

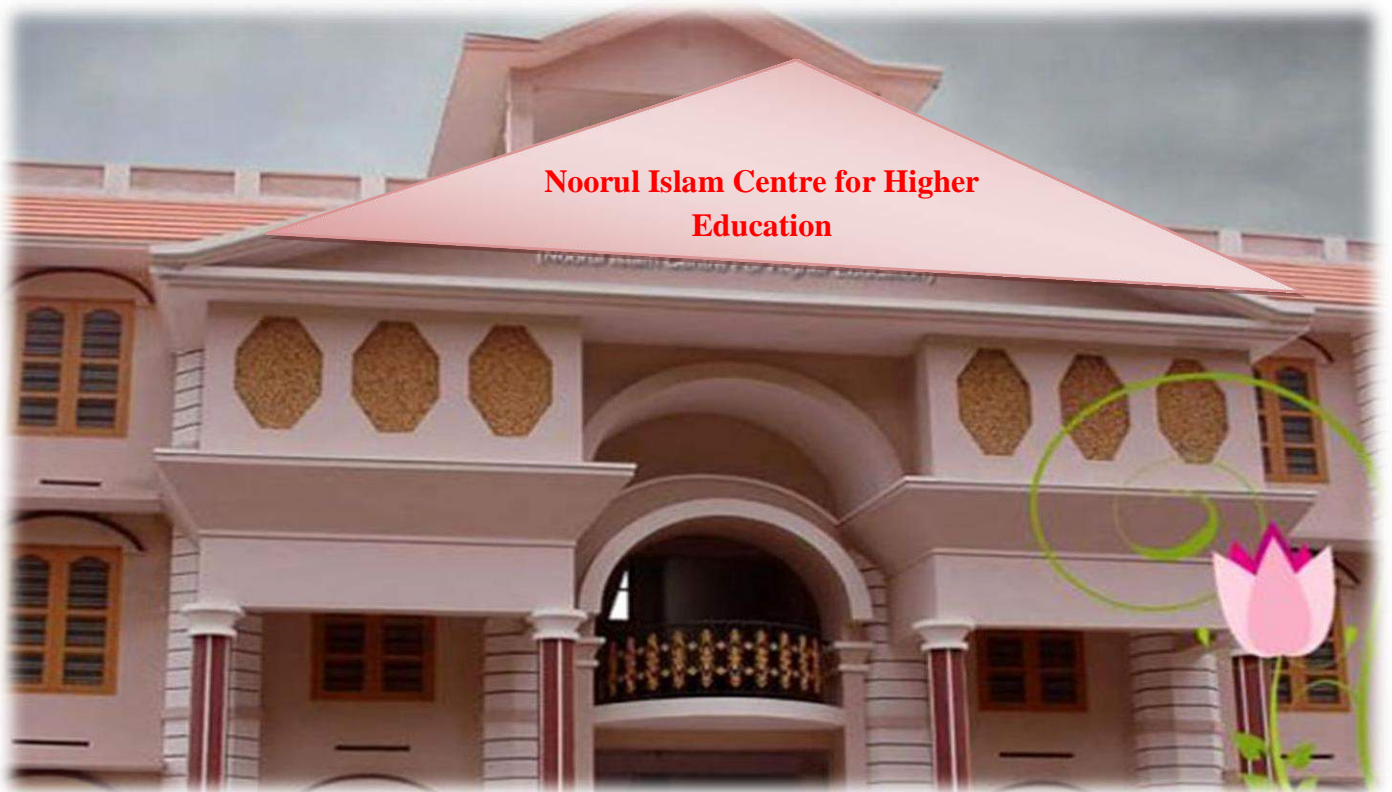


NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

(Deemed to be University under section 3 of the UGC Act 1956)

Accredited by NAAC with "A" Grade

Kumaracoil-629 180, Thuckalay, Kanyakumari District, Tamil Nadu, India



ANNUAL REPORT 2016-2017



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OUR VISION

To be recognized by the Government and society at large as an institution able to deliver excellence with relevance in the field of higher education and research focusing on the needs of the nation in tune with the technological revolution to cope up with the knowledge explosion and global competence.

OUR MISSION

To develop the Institution as a centre of excellence, keeping pace with advances in the field, so as to provide quality higher education to the students and instill in them high enlightened individuals in the frontier areas of science and Technology.

OUR QUALITY POLICY

We offer value added professional education and promote intensive and innovative research with emphasis on a continual improvement in all our service.

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INTRODUCTION

Noorul Islam Centre for Higher Education (NICHE) was started in 1989 as an Engineering College with two Departments and eighty students. In 2006 considering its research potential Anna University, Chennai has recognised Mechanical, EEE, Management and Mathematics departments as Research Centres. On 8th December 2008 NICHE was declared as a Deemed to be University by MHRD, Government of India. NICHE achieved the feat of obtaining 'A' Grade NAAC assessment with a CGPA of 3.06 in 2015. In 2016 National Institutional Ranking Frame Work (NIRF) has awarded 75th rank in the University stream and 66th rank category among Engineering Institutions. In 2016 NIRF ranking NICHE was placed in 150- 200 rank among Universities. The NBA- AICTE has accredited all the eligible courses in 2010. NICHE is an ISO9001:2000 certified Institution, Ministry of Science and Technology has approved NICHE as a Scientific and Industrial Research Organisation (SIRO) in 2008. NICHE has been selected as the best University for educational and social commitments in rural areas by the Planning Commission in India and ASSOCHAM India in 2014, Faculty of Management Studies of NICHE has been declared as the best, B School in the Southern States of India. IBM has recognised the institution as a Centre of excellence. Under the student satellite programme, NICHE has developed and launched NIUSAT on 23rd June 2017 from Sriharikota through PSLV-38 with the help of ISRO and the same has been functioning successfully and maintaining communication with the ground station.

NICHE is a current member of International Association of Universities (IAU) and Association of Indian Universities (AIU). It is also a member of the National Academic Depository and a member of the National Digital Library.

Our Pro-Chancellor Shri. M.S. Faizal Khan was one among the four participants and only one from India to speak on "Second Sustainable Energy for All Forum" in the united Nations Head Quarters in New York, USA on 18-21 May 2015

and shared his experiences in setting up the Asia's first Green Cardiac Catheterization labs at NIMS Medicity powered by a hybrid in-house power project comprising of 220 KW solar power plant and vertical wind turbine.

As of now NICHE has 10 faculties, 22 departments offering 23 UG programmes, 20 PG programmes, 8 M.Phil Programmes in Engineering, Arts and Science, Management and Health Sciences. and Ph.D. Programmes in all the disciplines. When it was a college its students have bagged as many as 34 University ranks including 14 First ranks, 10 Second ranks and 10 Third ranks in the composite Anna University Chennai, apart from achieving more than 90% results in all disciplines during the five years 2005-2009. In 2006-2007. NICE had many firsts to its credits. To Cite a few, NICE was the First Private Engineering College in South India to get Internet Connectivity via Satellite Link through National Informatics Center (NIC), Government of India in 1998. First Private Engineering College in South India with Multi Point Video Conferencing Facility. NICHE students from our campus interacted with Dr.A.P.J. Abdul Kalam who was at Anna University Campus, Chennai, at that time. Later in 2010 he visited our campus and interacted with our students. The Ministry of Science & Technology approved NICE as a SIRO (Scientific and Industrial Research Organization). Having established as a high quality technical education provider over two decades and in its quest for more academic freedom and flexibility.

NICHE stood first among 226 Engineering Colleges in the centralised placements organized by Anna University Chennai. Further NICE was ranked as 19th among 226 affiliated Engineering Colleges of Anna University, Chennai.

The infrastructural facilities of Noorul Islam Centre for Higher Education (NICHE) include a vast expanse of land of 47 acres, about 5 lakh sq.ft. of RCC built up area, 13 Blocks of student hostels (9 for Gents and 4 for Ladies) 4 Canteens, 1 Gymnasium, Sports facilities like Foot-Ball/Cricket ground, Basket Ball/Volley Ball

Courts, Swimming Pool etc., 1000 Computers and internet connectivity (ISDN&VSAT) anywhere, anytime inside the university premises. The campus has been connected with 1 GBPS National Knowledge Network (NKN) connectivity under the National Mission on Education, Government of India. NICHE campus and Hostels premises are *Wifi* enabled. Two hundred and seventy three faculty members are on rolls with the faculty students ratio of 1:11.

The UGC's guidelines have been followed in *toto* in framing the Regulations for the Doctoral Programme of NICHE. 516 scholars are pursuing their research under 118 guides. NICHE has a h index of 26 with 2873 publications and 3375 citations. Five patents have been awarded and 40 patents have been filed and Rs. 243 lakhs worth of projects are operational. Three Departments of NICHE are regularly bringing out three journals of international repute. NICHE has entered into MoUs with 6 leading universities NICHE has also inked MOUs with several industrial organisations like IBM - recognizing this University as a centre for software excellence, Infosys - for Campus Connect Programme, Tata Consultancy services (TCS) - for add-on training, Information Communication Technology Academy of Tamil Nadu (ICTACT) - for skill development.

Our University's 6th Convocation was held on 31st August 2016. In which totally 784 graduates were awarded degrees of this 480 were undergraduates, 142 were post graduates, 111 were M.Phils and 30 were Ph.Ds. On that day Honoris Causa (D.Litt) was awarded to Mr. O. Rajagopal for his services to the poor and downtrodden.

Our University has been offering 100 of MOOC and NPTEL courses and 47 students have registered so far.

Till date ten statutory meetings and 51 conferences / Seminars / Workshops were held. On 30-7-2016 Alumni meeting was conducted. NIUSAT a nano Satellite developed at a cost of around Rs. 5 cores was handed over to the ISRO for testing

by his Excellency the Governor of Kerala Mr. P. Sathasivam on 8-10-2016 at a function held in Thiruvananthapuram, and the same was launched on 23rd June 2017.

The Controller of examinations has published the odd semester results on 22-2-2017 in record time in spite of many interruptions in the schedule. Three International conferences were organised by EIE, CSE and Physics departments.

NIUSAT expo was conducted to various school students from 28-9-2016 to 1-10-2016; lots of students from Kanyakumari District have visited us and seen the satellite demonstration. Vigilance Awareness Day, and the Constitutional Days were observed and oaths were administered on 03-10-2016 and on 26-11-2016 respectively. Training on VISAKA was given to the faculty members on 21-12-2016.

A delegation from Maldives has visited our University on 3-1-2017 seeking education collaborations.

Swacch Bharath Clean India day was observed on 3-2-2017 on that day all our Students, Staff and Faculty Members have cleaned up the Police Station, ADSP Office, General Hospital, RDO Office, Taluk Office, Padmanabhapuram Palace and Court Premises in Thuckalay which was appreciated by the officers concerned and the General Public. Eight of our Faculty Members have obtained their Ph.D. Degrees from our other Universities.

Placement @ NICHE :

Our University has an enviable placement record. During the Academic year 16-17, thirty nine Companies have conducted campus interviews and 1846 students have attended the interviews. 252 eligible candidate have received 558 job offers, whereby making offer per eligible student, ratio as 2.26 and with a salary range of Rs. 1.8 to 3.2 lakhs p.a. As a corporate social responsibility 155 job offers were obtained by NICHE to outside the university students.

Research and Development :

As on April 2017, Fourteen Research Projects were completed and eight funded projects were in operation funded to the tune of Rs. 148.95 lakhs. Further two applications for new projects were forwarded to the funding agency.

Since the 9th Academic Council meeting two BOM meetings were held, Third Planning and Monitoring Board Meeting was held on 11-5-2017. NISWA day was celebrated on 28-1-2017.

Admissions for 2017-18 academic year is encouraging, like last year Mechanical, Civil and Bio- medical branches were popular in UG Courses, M.B.A. is popular among PG courses.

As on April 2017, 264 Teaching staff members were there, of whom 115 were Ph.D. holders and 50 of them were pursuing Ph.Ds. During the academic year 2017-18, NICHE has started B.Sc., perfusion technology, B.Sc. Renal Dialysis Technology, B.Sc. Cardiac Care Technology, B.Sc. Forensic Science, B.Sc. Audiology & Speech and Language Pathology, B.Sc. Human Genetics and Molecular Biology and B.Sc (Honors) in Aircraft Maintenance Engineering.

The **Department of Aeronautical Engineering** has organised a national level technical symposium, "AVIATORS 2K16" exposing the students about the employment opportunities in the field of Aeronautical Engineering, and an one day seminar was conducted named 'The scope of Aeronautical Engineers in Airline Industries. One day workshop on ANSYS Workbench was organised to mould the students in the field of Aircraft Components and design. "AVIATORS '17" was held on on April 2017. AERA 2017 the department association function was conducted in April 2017. One pre-final student has presented a paper in the International Conference ICROMEK'17". Twenty research papers were published by the faculty members. Two Industrial Visits were organised on 21-3-2017 and 30-3-2017. Four

final year students have undergone industrial training programme in HAL Bangalore. Six pre-final year students have attended QUADCOPTER training programme organised in association with IIT Bombay. Girl students have won third prize in weight lifting competition. A Blood Donation Camp was organised in January 2017.

Mr. Saji Soundara Raj, Associate Professor, has attended 'International conference on fascinating advancements in Mechanical Engineering, held at Mepco Schlenk Engineering College, Sivakasi and attended a workshop on Composite Materials at Government College of Engineering, Tirunelveli.

Dr. R.C. Metha has Published 6 papers and 3 Conference Proceedings and contributed one Chapter in a book and delivered Key Note address in the International conference on Applied Mathematics, Modeling and Statistics held in Beijing, China.

Mr. S. Robin Divahar, acted as a Chair Person in the 'International Conference on Sustainable Developments in Science, Engineering, Technology and Humanities', at PSN Engineering College, Tirunelveli.

Mr. I.J. Rohith who has joined this year as Assistant Professor has secured Gold medal in the P.G. programme 2016. Eight of our passed out students have got admission to pursue Masters Degrees in various reputed foreign universities in Germany, Canada and U.K. this year.

The **Department of Aerospace Engineering** students have participated in eight co-curricular events. Mrs. Beena Balakrishnan of S7 has won third prize in weight lifting Competition. The department has achieved 100% results in S8 examination.

Dr.Karthikeyan has published a paper in Asian Journal of Research in Social Sciences and Humanities and has joined as an Editorial Board Member in A R Research Publication & Conference World for the period of 2016 to 2017 and as a Reviewer in Research Script Journal for the period of 01.10.2016 to 30.09.2017 and

Dr.Karthikeyan has worked as a Technical Committee Member for International Conference on Micro Electronics and Telecommunication Engineering, SRM University, Delhi NCR Campus, Ghaziabad, he has also worked as an Advisory committee member for 2nd international conference on innovative trends in engineering research (ICITER-2016), sponsored by Novateur Publication, Pune, Maharashtra, India. He is further working as a scientific committee member for Seven international conferences conducted / to be conducted in abroad.

The **Department of Automobile Engineering** has organised a National Workshop on “3D Printing of Automobile Components” on 13th February 2017 in collaboration with CADD Centre Nagercoil On 21st February 2017 a skill development programme titled as “Doing Master Degree in Germany” was conducted. P. Pradeep has completed his Ph.D. Viva on 15th December 2016. The Department organized a NATIONAL LEVEL TECHNICAL SYMPOSIUM - VENTURA 2K17 on 10th APRIL-2017. Mr.Pradeep P, Assistant Professor, was awarded Ph.D.

The Department of Biomedical Engineering faculty members have published two research papers and three papers are under review by peer reviewed journals. On 28-3-2017 second national conference on Recent Advances in Engineering, Science Technology was organised by the department. Dr. I. Sowmy was awarded Ph.D. on 27-3-2017, by our university. Dr.M. Murugan attended CIFT training in “Application of Medicated feed in aquaculture at ICAR- Central Institute of Fisheries Education” Mumbai. The department faculty members have published totally 18 papers in peer reviewed and Scopus indexed journals and Dr. M. Murugan has attended an International conference in Andrew’s College, Uttar Pradesh. **Tincy K. Mariam** S8 student of Biomedical Engineering was one of the 100 students selected to witness as the Prime Minister’s Guest, the 68th Republic Day Parade held on 26th January 2017. **Mr.Ajinmoan** S6 of Biomedical Engineering was awarded the

Best Blood Donor award. **Ms. Leenita Christofer** S8 student Biomedical Engineering Department has won second place in National Youth Level talk Competition conducted by ICTAT. **S. Shehanas** S8 student Biomedical Engineering won first prize in the Inter college Weight lifting competition, held on October 25th & 26th. **S. Thahany** S8 student Biomedical Engineering was runner up. **Thahany S & Shahana Shihab** S8 students Biomedical Engineering have published a paper in the International Journal of advance research in science & Engineering.

The **Department of Chemistry** has conducted DST INSPIRE INTERNSHIP Science Camp during 4th to 8th October 2016 at a cost of Rs. 9.75 lakhs completely sponsored by DST, Hundreds of Students from Kanyakumari District have participated. National Science Day was Celebrated on 28-2-2017. Twelve articles were published in international Journals by the faculty members. Two Ph.Ds were awarded. Ms. R.R. Krishna Jyothi was awarded DST INSPIRE Fellowship for 5 years and an Extramural Project II was submitted to CSIR New Delhi for Rs.20 Lakhs. The department has submitted FIST proposal to DST on 5-6-2017 for an amount of Rs. 3 crores.

The Department of Civil Engineering has organised a National level Technical Symposium TECNICO 2K17 on 1st March 2017. The faculty members have published 5 research papers in Scopus indexed international journals. 25 final year students were placed in various core and other companies. Mr. Gopala Krishnan has completed the viva voce exam for Ph.D on 24th May 2017. The department has secured 100 % pass in UG and 90 % Pass in M.E. Programme.

The **Department of Computer Science and Engineering** has organised an International Conference on Novel Issues and Challenges in Science & Engineering (NICSE'16) on July 28th and 29th of 2016. Eleven Research Colloquiums were conducted Dr.S. Vinila Jinny and Dr. A.Anitha, Assistant Professor were awarded Ph.Ds. A two days workshop on Internet of Things was conducted on 5th and 6th

April 2017. A seminar on Research Trends in Data Mining was conducted on 3rd April 2017. Six 6th semester students have participated in Smart India Hackathon 2017 in Oriental University Madhya Pradesh on April 1st & 2nd 2017.

The **Department of Computer Applications** has conducted 8 research colloquiums. A Technical symposium was conducted in which 112 students from 12 different colleges participated. The Faculty Members of the department have published 181 papers in reputed journals and the pass percentage during May 2016 examinations was 100. Further the department has conducted a seminar on Interview skills on 6-3-2017. Alumni meet was conducted for 2005 passed out batch on 7-5-2017. Three research colloquiums were conducted. During the period nine research papers were published. Dr.M. Victor Jose was awarded Ph.D. on 1-3-2017. Dr.J.R. Jeba delivered an invited talk at the National Conference on Computer Science and Research. In April 2017 examinations the department has secured 100 % pass. Seven S4 M.C.A. students won first prize in MIME Competitions conducted by Rohini College on 17th and 18th May 2017 . Nine S4 M.C.A. Students won first prize in Technical Quiz, Web designing competitions, conducted by Venkateshwara college, Coimbatore on 7th April 2017.

The **Department of Electrical And Electronics Engineering** faculty members have published nine papers in Scopus indexed International Journals. Eleven Research Colloquiums were conducted. The Head of the Department, Dr. J. Arul Linsely has completed Ph.D degree on 11/11/2016. He acted as a judge in the Tech –Fest 2017, held at St. Xavier’s Catholic College of Engineering on 08-02-2017. Dr K. Muthuvel was a resource person in the National Conference on Recent Trends in Engineering & Technology (NACTET) held at Trinity College of Engineering, Paravachambalam, Thiruvananthapuram, Kerala on 20/02/2017. Mr.Anaanta Sankar of S8 Department of Electrical and Electronics Engineering was certified by Swiss Learning Institute for the completion of project Management

Course. Vennila presented the topic of “Optimization problems in power systems” in the Research Colloquium conducted on 24-03-2017. Mr. V.A.Tibbie Pon Symon presented the topic “Hybrid renewable energy systems” in the Research Colloquium conducted on 21-04-2017. Ms. V.S. Bindhu presented the topic “Smart Grid” in the Research Colloquium conducted on 24-05-2017. Dr.H.Vennila acted as a judge in paper presentation contest organised by ECE department, in collaboration with the IEEE students chapter. Seventy five percent of the department students were placed in reputed companies. Overall pass percentage of the students is eighty five in April 2017 University Exams. One of the department students Mustafa secured valid GATE score.

The **Department of Electronics and Communication Engineering** has conducted a two day Workshop on Lab View Programming Environment on 2nd and 3rd September 2016 sponsored by IEEE Circuits. Four research papers were published by the faculty members. Mr. Arul Linsely, Mr. R.S. Ganesh. Ms. G. Dhanya, Ms. M. Mary Synthuja Jani Preetha, and Ms. S. Amala Shanthy have been awarded Ph.Ds. Out going batch has scored 100% results. IEI Students chapter has conducted a poster presentation on 15th March 2017 and a career guidance programme on 30th May 2017. Technical Extravaganza was conducted by IEEE students branch on 4th April 2017. The Sixteenth National Technical Symposium Avenir-2K17 was conducted on 7th April 2017. Four of the faculty members were awarded Ph.Ds, 15 research papers were published in International Journals.

The **Department of Electronics and Instrumentation Engineering** faculty members have presented two papers in the International Conference, and published 5 papers in Scopus indexed International Journals. 11 Research Colloquiums were conducted. Dr. S. S. Kumar acted as a Doctoral Committee Member for scholars in Anna University, Chennai. An International Conference on “Control, Instrumentation, Communication and Computational Technologies” (ICCICCT-2016) was held on 16th

and 17th December 2016. The Conference focused on the three C's - Computer, Communication and Control with respect to Instrumentation and other emerging technologies. The conference was technically co-sponsored by IEEE India Solid State Circuits Society Chapter. Mr. R. Sarath, Assistant Professor, Dept. of EIE presented his topic "Secret Key sharing in Networks using classical cryptography based Quantum Stratagem Approach" in the Research Colloquium conducted on 25-03-2017. Mr. D.Jackson presented his topic "Development of New Surgical Techniques" in the Research Colloquium conducted on 26-04-2017. Ms. S. Binu Sathiya presented her topic "Skin Lesion Detection Using Fuzzy C-Means Segmentation" in the Research Colloquium conducted on 19-05-2017. Dr. S. S. Kumar acted as a Doctoral Committee member of Anna University, Chennai. The pass percentage of the final year B.E. students is 100% in April 2017 University Examinations.

The **Department of Marine Engineering** Celebrated Maritime day on 5th April 2016 and conducted various events such as Technical Symposium, quiz, sports & culturals. Three cadets out of eleven got placed in Shipping Companies such as *MARINE EQUIPMENT LIMITED, DUBAI & SOUTHERN OFFSHORE Ltd., KUWAIT*. Cadets were taken to Andaman in **M.V. NANCOWRY** Ship from 15-11-2015 to 28-11-2015, during their voyage cadets were trained in the various Machineries & Deck Equipments in the ship. The Department has celebrated Maritime day on 5th April 2017. All Passed out Cadets have been placed in leading MNC Shipping Companies. An on voyage training was provided in M.V. Harshavardhana ship from 18-2-2017 to 28-12-2016 on a trip to Andaman. Many of the cadets have won prizes in Quiz, Seminar, Sports organised by other Institutes.

The **Department of Civil Engineering** Faculty members have published 9 papers in International Journals. TECHRUIT, Chennai organised a free online

assessment test for the final year students in the month of July 2016 in which a total number of 42 students have appeared. A ten days software training programme named 'Building Information Modeling' was conducted for all the students in the month of August 2016. Mr. A. Nadeshnan, final year student from the department of Civil Engineering was selected for the regional round of CADD Centre training services, Nagercoil which has also organized a competitive exam "Engineeria" in the month of October 2016. The department produced 75 % results for the B.E programme and 90% for the M. E programme in May 2016 Examinations.. Two of the passed out students got admission to pursue a Masters Degree in foreign universities at Canada and London.

The **Department of English** has conducted seven Research Colloquiums and Dr. M. Abilasha, Assistant Professor was awarded Ph.D. Degree. Dr. M. Ilankumaran and P. Deepa have published a research paper on Teaching Poetry. Ms. Nimmy Alex won 1st Prize in Verse Writing Competition and N. Monisha and Nimmy Alex won 3rd Prize in Literary Quiz in the Hindfest 2017 a University level Inter- Collegiate Literary Festival, organised by S.T. Hindu College, Nagercoil. Further the department has organized a National Seminar on New Trends in English Language and Literature - NASTELL-2017 - on 6th April 2017, in which 166 papers were selected and published in the Proceedings of the National Seminar and 65 faculty, researchers and students presented their papers. Three Research Colloquiums were conducted, Nimmy Alex, II Year M. A. English, won I Prize in Verse Writing. Nimmy Alex and N. Monisha, II Year M. A. English, bagged III Prize in Quiz in the Inter-Collegiate Literary Competition – Hindfest-2017 organised by S. T. Hindu College, Nagercoil. 12 research papers were published by staff members in National and International Journals, and Conference and Seminar Proceedings. 40 research papers were published by the M. Phil. scholars and another 37 papers

by M. A. English students in the Proceedings of the National Seminar on New Trends in English Language and Literature - NASTELL-2017.

The Department of Management Studies, has organised a national level management meet “XPRESSIONS 2017” on 28th March 2017. The events held on XPRESSIONS 2017 were Paper presentation, Best Project Team, Business Quiz, Photography, Creativity, Leadership and Treasure Hunt. A seminar for MBA students was conducted on 09 March 2017, on the theme of “How to succeed in life”.

The **Department of Mathematics** has conducted under Graduate Mathematics Quiz Competition, 25 teams from 18 different colleges participated. Two of their staff members have acted as resource persons for ‘LaTex’ Workshop and one has acted as a Doctoral Committee member in Anna University. Twelve Staff members and 25 students have attended various seminars and workshops. 10 Colloquiums were conducted and 15 research papers were published. Sixteen M.Phil. Degrees and four Ph.D. Degrees were awarded. The pass percentage was 100%. in May 2016 examinations. One Staff member served as a DC Member of Anna University and Two Staff Members served as Resource persons for LaTex workshop conducted by M.S. University. In April 2017 University Examinations, the department has attained 100 percent pass. 12 Staff members and 25 Students have attended Various seminars and workshops. On 14-2-2017 Intercollegiate Quiz competition was conducted and 25 teams from 18 colleges participated. Dr.R.Binthiya and Dr.J. Arul Singh and M.Phil Scholar Alin Sheba Mathew have cleared NET/ SET Examinations.

The **Department of Nano Technology** has organised a workshop on Lab view programming during 2-3rd September 2016. Eight Research Colloquiums were conducted and 26 research papers were published by the Faculty members and Scholars. 5 M.Phils and one Ph.D. Degree were awarded.

Mr.S.Gopalakrishnan attended a winter school at JACASR, Bangalore. Dr.P.K. Praseetha attended a refresher course on IIS Bangalore during 16-29

January 2017. Further she had attended the Indo-UK workshop on clean water held in Abdur Rahman University, Chennai during 8-10th August 2016. She had also acted as a convener and delivered a lecture in the International Conference ENFOSE, held in Sree Ayyappa College, Nagercoil.

Ms. S. Jeniffa S8 was selected for doing her major project in ARCI, Hyderabad. **Ms. S. Aparna** S4 was selected for doing her project in NAL Bangalore. **Mr. E.S. Anooj** has presented a paper in the International Conference organised by ICMR. New Delhi 23-25th January 2017. **Ms.Sana Fathima and Aparna** of Nanotechnology, Department have presented a paper in the International Conference held in Mahatma Gandhi University, Kerala. The Department has organised a Guest Lecture on 23-2-2017 on Space Elevator Program, NASA, delivered by Mr.Mithun Krishna. Ms. Sana Fathima T.K. has secured 85th rank in GATE 2017 Examinations.

The **Department of Information Technology** submitted two projects for Smart Hackathon'17 Digital Programming Competition launched by MHRD Ministry. The students of the Information Technology Department got placed in reputed organizations like VDart Software Services and Ivana Softech. Outgoing batches of students have secured 92.3% results. The faculty members have 10 publications in international journals and 12 in international conferences. Three of them are the members of Doctoral Committees for other universities. The staff members have taken part as resource persons, guests of honor and as conference chair. Dr. R. S. Shaji is an Associate Editor in chief for two reputed journals. Few of them are also members in the editorial boards and review committees of reputed journals. One of the faculty members, Dr. T. Brindha, has completed her Ph.D during September 2016.

Dr. S. Palanikumar has attended three faculty development programmes on "Digital Signal and Image Processing", "Web Designing and Scripting" and

“Database Design and Programming with SQL”. Totally eight research colloquiums have been conducted. The department students got placed in reputed organisations like VDart Software Services and Ivana Softech. IT department students secured 100% pass percentage. To enrich the programming knowledge and to provide a vibrant opportunity for students in the recruitment phase, a national level workshop on Advanced Java Phase - I was conducted on 16th and 17th of March 2017.

The **Department of Physics** organised an International Conference entitled “International Conference on Integration of STEM education and mental health” from 20-24 June 2016 for five days. . All the accepted papers of the special session on “Advances in Applied Sciences” of the international conference on STEM Education and Mental Health ICISEM16 were published in the Journal of Applied Science and Engineering Methodologies. The department has produced one M.Phil. and one Ph.D during the period. The Faculty members of the department have published 5 articles in Scopus indexed journals and one paper in non-Scopus journal. Dr. B. Bindhu and Dr. R. Ganapathi Raman completed a one month (20 Sept 2016 to 20 Nov 2016) online course on Learning Physics through Simple Experiments organised by IIT, Kanpur. Dr. B. Bindhu and Ms. Gopika received the best poster presentation award in the National Conference on Materials Science and Technology organized by Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram. Three of our faculty members and two research scholars participated in two days workshop on ‘LaTeX’ held in our University. The department has produced 100 % results for the M.Sc. programme and 85.5% for the Engineering Physics course of Ist B.E/B.Tech. Three of the Ph.D scholars actively participated in various conferences and presented their work. Eight research colloquiums have been conducted by the department. The department organised a one day Seminar on Recent Trends in Physics on 10th March 2017. Paper presentation and Quiz competitions were organised for the PG and UG students. Dr. Theivasanthi, Faculty

of Physics, Kalasalingam University visited the department and interacted with the students. Two of the M.Phil. scholars, Ms. P. Asha and Ms. R. Renisha, underwent industrial training for a period of two months at CBPST, Kochi. They also presented their work at a national level meet HEAM Scientist 2017, University of Kerala, Trivandrum on 16th & 17th March 2017. Two of our II-M.Sc. students Ms. Ajeesha and Mr. Sasikanth won first and second prizes in the paper presentation competition and Ms. Shani of 1st M.Sc. class won first prize in the poster presentation competition organised by IEEE students chapter of our university. Physics faculty members attended various conferences and seminars. The department has produced 100 percent results for the M. Phil. And M.Sc. programmes and 65 percent for the Engineering Physics course and 88% pass for the physics lab course of 1st year B.E/B.Tech. Three research colloquium meetings were conducted in the department. Two research articles after peer review have been accepted for publication.

The Department of Software Engineering HOD Mr. J. P. Jayan, attended the TECHNOTHIRST-17, a national level technical symposium as a resource person. The faculty members have attended 4 International, 2 National Conferences, 5 Workshops and 3 National Seminars. They have published 38 research papers in Various Journals. M.Phil Computer Science scholars have attended 3 International Conferences 2 National conferences, 2 workshops and 2 national seminars in and out of the university.

Mr. Abington Durai, Mr. Ajay Joyal, Mr. Y. Prakash, Mr. Girish Kishore, Mr. Johny and Mr. Shekin from IV Year M.Sc. Software Engineering had participated in Inter University Cultural Festival 2017 at Alagappa University, Karaikudai from 10 March 2017 to 12 March 2017.

Mr. Muhammed Muthas, Mr. Malik Aubaid, Mr. Syed Shabeer, Mr. Edelbert Emmanuel, Mr. Girish Kishore, Mr. Akil Sastha and Mr. Jittle jose from IV Year M.Sc.

Software Engineering had won FIRST Prize in Treasure hunt – MCA Feast 2017 organised by CSI Institute of technology, Thovalai on 9th March 2017.

Further we take this opportunity to thank the Chancellor Dr. A.P. Majeed Khan for his encouragement in all the endeavours.

AUTHORITIES OF NICHE

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1. Dr.R.Perumalsamy,
Vice-Chancellor.
2. Dr. N. Chandrashekhar,
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1. Dr. A.P. Majeed Khan,
President, NICHE Society.
2. Shri. M.S. Faizal Khan,
Vice – President, NICHE Society.
3. Dr. A.E. Muthunayagam,
Advisor.
4. Dr.R. Perumalsamy,
Vice- Chancellor.
5. Dr.N. Chandrashekhar,
Pro Vice-Chancellor.
6. Dr.P.Thirumalvalavan,
Registrar.
7. Dr.V. Umayorubhagan,
Controller of examinations.
8. Dr. K. A. Janardhanan,
Director, HRM.
9. Dr.A. Shajin Nargunam,
Director, Academic Affairs.
10. Dr. M. Dev Anand,
Director, Research.
11. Prof. J. Charles,
Director, Students Affairs.
12. Prof. M. Sivathanu Pillai,
Director, Industry Institute Interaction.
13. Dr.M.L. Narayanan,
Director, Grievance Cell.
14. Dr.J. Amar Pratap Singh,
Director, Administration & Computing Centre.
15. Dr. R. Mathusoothana S. Kumar,
Director, Entrance Examination.
16. Dr.B. Krishnan,
Director, Admission & First Year B.E., B.Tech Programmes.
17. Dr. C. Retnam Nadar,
Dean, Students Welfare.
18. Mr. S. Mohana Das,
Director, Marine Engineering.
19. Dr. M.K. Jaya Kumar,
Additional Controller of Examinations.
20. Dr. M. Ilankumaran,
I Year Co-ordinator.
21. Dr.G. Ramadas,
Public Relations Officer.

DEANS OF FACULTIES

Sl.No.	Faculty	Name of the Dean
1.	Dean – Faculty of Computer Science	Dr. M.K. Jeyakumar
2.	Dean – Faculty of computer & Information Engineering	Dr. A. Shajin Nargunam
3.	Dean – Faculty of Mechanical Engineering	Dr. R. Rajesh
4.	Dean Faculty of Electrical & Electronics Engineering	Dr. R.S. Vinod Kumar
5.	Dean – Faculty of Civil Engineering	Dr. V. Narayana Nair
6.	Dean – Faculty of Science and Humanities	Dr. M. Immaculate Mary
7.	Dean- Faculty of Management Studies	Dr.K.A. Janardhanan
8.	Dean – Faculty of Aeronautical and Space Technology	Dr. R.C. Mehta
9.	Dean – Faculty of Technology	Dr. J. Jaya Kumari
10.	Dean – Faculty of Marine Engineering	Prof. S. Mohan Das

Departments of NICHE

Sl. No.	Name of the Department	Courses Offered
1.	Aeronautical Engineering	B.E., Aeronautical Engg. M.E. Aeronautical Engg. Ph.D.
2.	Aerospace Engineering	B.E. Aerospace Engg. B.E. Aircraft Maintenance Engg.
3.	Automobile Engineering	B.E. Automobile Engg., Ph.D.
4.	Biomedical Engineering	B.E. Biomedical Engg
5.	Chemistry	M.Sc. Chemistry M.Phil., Chemistry, Ph.D.
6.	Civil Engineering	B.E. Civil Engg. M.E. Structural Engg. Ph.D.
7.	Computer Applications	M.C.A., Ph.D.
8.	Computer Science & Engineering	B.E. Computer Science & Engg. M.E. Computer Science & Engg. Ph.D.
9.	Electrical & Electronics Engineering	B.E. Electrical & Electronics Engg. M.E. Applied Electronics, Ph.D.
10.	Electronics & Communication Engineering	B.E. Electronics & Communication Engg. M.E. Communication Systems, Ph.D.
11.	Electronics & Instrumentation Engineering	B.E. Electronics & Instrumentation Engg. M.E., Control & Instrumentation ,Engg. Ph.D.
12.	English	M.A. English M.Phil., English, Ph.D.
13.	Information Technology	B.Tech. Information Technology M.E. Software Engg. M.E. Cyber Security., Ph.D.
14.	Management Studies	B.Com., BBA.,M.B.A., M.B.A.-HRM M.Phil. Management , Ph.D.
15.	Marine Engineering	B.E. Marine Engg.
16.	Mathematics	M.Sc. Mathematics, M.Phil., Mathematics, Ph.D.
17.	Mechanical Engineering	B.E. Mechanical Engg. B.Tech. Fire Technology and Safety Engg. ME. Computer Integrated Manufacturing., M.E Thermal Engineering., Ph.D
18.	Nanotechnology	B.Tech. Nanotechnology M.Tech. Nanotechnology M.Phil., Biotechnology., Ph.D.
19.	Physics	M.Sc. Physics M.Phil., Physics, Ph.D.
20.	Software Engineering	M.Sc. Software Engg. (5 years) M.Phil., Computer Science Ph.D.

NAME OF THE DEPARTMENT: AERONAUTICAL ENGINEERING

1. Department Details:

Name of the School	Aeronautical and Space Technology
Name of the HOD, Phone No. and E-mail ID	R Ajith Raj 9047417188 ajithraj006@gmail.com
Year of Establishment	2004 –2005
Telephone Number	9486856105
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. R.C. Mehta	B.E., M.S., Ph.D.,	Professor	Aerodynamics, CFD	10	33	drakhab.mehta@gmail.com ,
2	Prof. S.Robin Divahar	B.E., M.E., (Ph.D.)	Asso. Prof.	Thermal Engineering	17		srobinn@yahoo.com
3	Dr. T. Annil Kumar	B.E., M.E., Ph.D.	Asso. Prof.	Composites	15		annilkumartngl@gmail.com
4	Prof. J. Saji Soundara Raj	B.E., M.E., M.E.,	Asso. Prof.	Structures	24		sajisoundararaj@yahoo.com
5	Mr. R.R. Neela Rajan	B.E., M.E., (Ph.D.)	Asst. Prof.	Propulsion	12		neelarajan2012@gmail.com
6	Mr. R. Ajth Raj	B.E., M.Tech., (Ph.D.)	Asst. Prof.	Aerodynamics	4.5		ajithraj006@gmail.com
7	Mr. Inayathullah J	B.E., M.E.,	Asst. Prof.	Flight Dynamics	3		j.inayathullah@gmail.com
8	Mr. K. Anton Savio Lewis	B.E., M.E., (Ph.D.)	Asst. Prof.	Propulsion	6		kaslewise@gmail.com
9	Mr. I. J. Rohith	B.E., M.E., (Ph.D.)	Asst. Prof.	Aerodynamics	1.5		ijrohith1992@gmail.com
10	Mr. V. Antony Vincent	A.M.Ae.S.I., M.E., A.M.I.E., (Ph.D.)	Asst. Prof.	Composites	10		vantonyaero79@gmail.com
11	Mr. S.S.Pon Sudhir Sajan	B.E., M.E., (Ph.D.)	Asst. Prof.	Composites	6		sssajanaero89@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr. R.C. Mehta		10	2	99	5	369								
2	Mr. Rohith I J			2	14										
3	Mr. Ajith Raj			2	2										
4	Mr. Neela Rajan R R			5	7										

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Mr. Saji Soundararaj J	Government College of Engineering, Tirunelveli	Micro modeling concepts in Composites	24.10.2016
2	Mr . Anton Savio Lewise K	International Conference on Renewable Energy and Materials For Sustainability	A Review of Friction Stir Welding of Aluminium Alloys	Nov. 2016
3	Mr. I J Rohith	Workshop on Research Methodology		13 to 21 Dec 2016
4	Mr. Neela Rajan	IRETM	Performance & Emission Characteristics of Transesterified Jatropha Biodiesel Engine	28 th April 2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Mr.Radha Krishnan, Director	Maintenance Jet.Airways Ltd. Mumbai	India	One hour	To give a career guidance to students
2	Dr.T.Ramesh Deputy General Manager	Cryo test facilities, IPRC- Mahendragiri	India	3 hour session	To attend and act as a chief guest on a technical symposium

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Mr.J.Saji Soundara Raj	AVIATORS 2K17 (Technical Symposium)	NATIONAL	One day
2	Mr.R.Ajith Raj	MIG welding training programme	N/A	One day
3	Mr.I.J Rohith	Orientation Program on satellite Technology	NATIONAL	Two days

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	Dr. R.C. Mehta	Effect of geometrical parameters of reentry capsule over flowfield at high speed flow	Advances in Aircraft and Spacecraft Science		2017	
		Analysis of payload compartment venting of satellite launch vehicle	Advances in Aircraft and Spacecraft Science		2017	

2.	Rohith I J	Inverse kinematics solution of a five joint robot using MRAN algorithm	International Journal of Control Theory and Applications – ISSN 0974-5572		2017	
		Advanced machining performance study on hardened steel en 31: A differential evaluation approach	Journal of Chemical and Pharmaceutical Sciences – ISSN 2349-8552		2016	
		Development and experimental analysis of magneto rheological fluid based suspension model	Journal of Chemical and Pharmaceutical Sciences - ISSN 2349-8552		2016	
		Study and analysis of a cryogenic pressure vessel design for the storage of liquefied natural gas	Journal of Chemical and Pharmaceutical Sciences -		2016	
		Processing and characterization of aluminium based activated carbon composite made by enhanced stir die casting method	Journal of Chemical and Pharmaceutical Sciences -		2016	
3.	Mr. R R Neela Rajan	Analysis of Microstructural, Corrosion and Mechanical Properties of Aluminium Titanium Diboride Particles (Al-TiB ₂) Reinforced Metal Matrix Composites (MMCs)	Indian Journal of Science and Technology		2016	
		Experimental Study of Performance and Emission Characteristics of Transesterified Jatropha Biodiesel engine	International Journal of Mechanical Engineering and Technology		2017	
		Experimental wear study between	International Journal of Mechanical and			

		piston ring and cylinder liner pair using Jatropha oil as lubricating oil	Production Engineering Research and Development		2017	
		Multi Response Characteristics optimization of WEDM parameters for AA7075 composited by Response Surface Grey Relative Analysis	International Journal of Mechanical Engineering and Technology		2017	
		Mathematical Model Development for Viscosity of Transesterified Jatropha Oil using Box - Behnken method	International Journal of Mechanical and Production Engineering Research and Development		2017	
4	Ajith Raj	Mechanical strength prediction of TIG welded stainless steel 304 using grey RSM	International Journal of Mechanical Engineering and Technology		2017	

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	Dr. R.C Mehta	Image processing Algorithm for fringe analysis in photo elasticity	2017		
	Mr. Rohith I.J Mr. Ajith Raj R	Drag reduction in aircraft wing by inducing surface roughness	2017		
	Mr. Ajith Raj R Mr. Rohith I.J	Aircraft winglet modification to reduce vertical stabilizer length	2017		
	Mr. Rohith I.J	NIUSAT; A nano Satellite	2017		
	Dr. R.C Mehta	Image processing Algorithm for fringe analysis in photo elasticity	2017		

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
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1			
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11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total I	Community												Existing Students, Strength						Pass Percentage of outgoing batch		
		F	M		O C	BC		BCM		MBC/DNC		SC		SCA		ST	II		III		IV				
						M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F		M	F
1	UG Programme	6	16	22	5	4	5	1	6	1	-	-	-	-	-	-	-	-	8	4	12	3	20	3	86.95
2	PG Courses	2	1	3	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
3	M.Phil. Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Ph.D Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Diploma / PG Diploma/ Certificate Courses (if any)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		8	17	25	5	4	6	3	6	1	-	-	-	-	-	-	-	-	8	4	12	3	20	3	-

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E Aeronautical Engineering	Indian	Kerala	9	4	13
2	M.E Aeronautical Engineering	Indian	Kerala	1	1	2

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
1	B.E	20								

13. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	U.G.		P.G.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	3	-					150,000
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
Total		3	-					150,000

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1	B.E	16	7	21	9	12	7	12	8	15	6	15	7	23	12	23	20
2	M.E	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator : J.Saji Soundara Raj			
Phone/Mobile Number : 9443692761	e-mail: sajisoundararaj@yahoo.com		
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	16	1
2	Number of Placements obtained through Campus Interview	1	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	4:5	1:3

18. Outstanding achievements by the Faculty Members: |

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Syed Abdul Khadar	Selected for short service commission	INDIAN NAVY

20. Department Meeting Held : Programme Committee, Course Committee etc. BOS

S.No	Name	Date	
1.	Course Committee Programme Committee Etc.	05-08-2016	Programme Committee
		08-08-2016	Programme Committee
		09-08-2016	Programme Committee
		05-09-2016	Programme Committee
		06-09-2016	Programme Committee
		07-09-2016	Programme Committee
		08-09-2016	Programme Committee
		02-11-2016	Programme Committee
		03-11-2016	Programme Committee
		04-11-2016	Programme Committee
		16-11-2016	Programme Committee
		01-02-2017	Programme Committee
		02-02-2017	Programme Committee
		06-02-2017	Programme Committee
		07-02-2017	Programme Committee
		27-07-2017	Programme Committee
		28-07-2017	Programme Committee
		31-07-2017	Programme Committee
		01-08-2016	Course Committee
		08-08-2016	Course Committee
		19-09-2016	Course Committee
		23-09-2016	Course Committee
		02-02-2017	Course Committee
		07-02-2017	Course Committee
		02-03-2017	Course Committee
		08-03-2017	Course Committee
		17-04-2017	Course Committee
19-04-2017	Course Committee		

21. Infrastructure and Research facilities available (Please specify equipments more than two lakhs only):

S. No.	Name of the Lab	Name of the Equipments/Computer/Software /Others	Qty	Purpose Research/Practical
	Aircraft Structures & Repair Lab	MIG MAG C02 welding machine	1	Research / Practical
	Aircraft Structures & Repair Lab	SMT Universal Radial Drilling Machine	1	Practical
	Aircraft Structures & Repair Lab	Pushpak VT-DLT	1	Practical
	Aircraft Structures & Repair Lab	Diffused Polariscope	1	Research / Practical
	Aero Engines Lab	Avon Aero Engine	1	
	Aircraft Structures & Repair Lab	Ultrasonic Flaw Detector	1	Research / Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available		7	No. of titles available	
2	Books added during the year 2015		8	No. of CDs and Digital Books available	
3	No. of Indian Journals/ Magazines		9	No. of Foreign Magazines/Journals	
4	No. of data bases available		10	No. of Online Journals	
5	Average No. of students visiting the Library per day		11	Average No. of books Issued per day	
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches:

Research Title	Period
NIUSAT	01/05/2012 to 23/06/2017

25. Consultancies: -**26. No. of NET/SET/GATE/CSIR Qualified students: 1****27. MOUs signed: Nil****28. Innovations and Best Practices: 1. NIUSAT Nano-Satellite Project (April 2012 to June2017)**

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	0.36
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	1.2
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	0.27
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	0.2
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	0.03
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students ()	17.24
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	0.3
2.4	Constructed area per student	Total constructed area / Total number of students (14650/53)	276
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted ()	1.13
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members ()	4.8
3.3	Gender Ratio	Total number of female students / Total number of male students ()	
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	0
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	0.28
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	0
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	0.86
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	500000
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	50000
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	0.09
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	0.25
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	17:53
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

NAME OF THE DEPARTMENT: Aircraft Maintenance

1. Department Details :

Name of the School	Aeronautical Engineering
Name of the HOD, Phone No. and E-mail ID	Prof. Chanan Lal Ojha
Year of Establishment	2013
Telephone Number	9497852738
Website / E mail	Chamanlal.ojha@gmail.com
Special Status : (if any)	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	J.Benita	M.E	A.P	Commn	11		beni.bless@gmail.com , 9944378884
2	S.Hari Kumar	M.E.	Instructor	Applied electronics	4		Jas6508@gmail.com , 9894479897
3	Arvind Singh	AME	Instructor		4		singh.arvind7395@yahoo.com 9655497828

3. Faculty Members Achievements /Performance: Nil

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D.
1	J.Benita					1	1								

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc. Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				

b) **Foreign Faculty/Expert visit to the Department: Nil**

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. **Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. : Nil**

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. **Details of Seminars, Conferences and Refresher courses Organised : Nil**

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period

8. **Publication of Research Papers at the State/National/International Levels: Nil**

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)

9. **Details of patents applied/registered: Ni**

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. **Publications of Books/Monographs: Nil**

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2015-16		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch				
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST	II			III		IV	
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F	M	F	M
	UG Programme		11														10		3		9		85%	
	PG Courses																							
	M.Phil. Programme																							
	Ph.D Programme																							
	Diploma / PG Diploma/ Certificate Courses (if any)																							
	Total																							

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E., Aircraft Maintenance Engineering	Indian	Kerala	17		17
2	B.E., Aircraft Maintenance Engineering	Nepal	-	1		1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
1		6								

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					
2					

15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1	AME			5	2	4	2	3	1	9	2	9	7	7	5	7	7

17. Placement Details:

Name of the Placement co-ordinator : K.samuel			
Phone/Mobile Number :	8122228778 e-mail:		
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	1	
2	Number of Placements obtained through Campus Interview	1	
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0.11	

18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Mohammed Azar	CAR	DGCA

20. Department Meeting Held :

Programme Committee, Course Committee etc. BOS

S.No	Name	Date
1.	Course Committee Programme Committee	27-07-2017, 25-01-2017, 15-04-2017
2	BOS	25-05-2017

21. Infrastructure and Research facilities available (Please specify equipments

more than Two Lakhs Only) : Nil

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	514	7	No. of titles available	356
2	Books added during the year 2015	3	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/ Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	6	11	Average No. of books Issued per day	2
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	10 Mbps	12	Availability of Language Lab	No

24. Information and Communication Technology Resources: Nil

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	S Nilpecifications	Nos.

24. Collaborative Researches : Nil

25. Consultancies : Nil

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed :Nil

28. Innovations and Best Practices : Nil

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	1
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	0.66
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	-
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	-
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	-
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	-
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	0.36
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	23.36
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	0.18
2.4	Constructed area per student	Total constructed area / Total number of students ()	122 Sq.Ft
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	7.33
3.3	Gender Ratio	Total number of female students / Total number of male students ()	0/22
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	0/22
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	0.77
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	0.045
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	0.85
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	-
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	-
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	-
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	Nil
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	0.11
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	-

NAME OF THE DEPARTMENT: AEROSPACE ENGINEERING

1. Department Details :

Name of the School	Aerospace Engineering
Name of the HOD, Phone No. and E-mail ID	Prof. Chamanlal Ojha, +919497852738 chamanlal.ojha@gmail.com
Year of Establishment	2009
Telephone Number	-
Website / E mail	http://www.niuniv.com/aerospace.html

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Prof. Chamanlal Ojha	B.Sc Engg(Aero) M.E(Aerospace)	Professor & HoD	Aerospace	8	37	chamanlal.ojha@gmail.com +919497852738
2	Dr. M.S.Aldrin Sugin	B.E. M.E, M.Phil, MBA, Ph.D	Associate Professor & HoD i/c	Aerospace	10	-	aldrin_sugin@Rediffmail.com 9894084608
3	Mr.G,Diju Samuel	B.E. M.E, (Ph.D)	Assistant.P rofessor	Aero nautical	5	-	dijusams@gmail.com 9994441656
4	Mr.G.Ramanan	B.E. M.E, (Ph.D)	Assistant Professor	Aero nautical	5	-	gramanan1987@gmail.com 9965418124
5	Mr.S.Muthu Sherin	B.Tech, M.E, (Ph.D)	Assistant. Professor	Aero nautical	4	-	sherin@sify.com 9894562191
6	Mr.K.Samuel	B.E. M.E, (Ph.D)	Assistant. Professor	Avionics	4	-	sam.profl@gmail.com 8122228778
7	Dr.Karthikeyan. L.M	B.E. M.E, Ph.D	Assistant. Professor	Aero nautical	6	1	Lmkarthikeyan@yahoo.in 9865547716

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph. D.
1	Dr.Aldrin Sugin	1	1	1	5	-	18	135	135	-	-	-	-	-	-

2	Mr.Diju Samuel	2	2	5	10	2	9	135	135	-	-	-	-	-	-
3	Mr.Raman an	2	2	5	11	3	15	155	135	-	-	-	-	-	-
4	Mr.Muthus herin	-	-	-	-	-	-	135	135	-	-	-	-	-	-
5	Mr.Samuel	-	-	-	3	-	-	135	135	-	-	-	-	-	-
6	Dr.L.M.Kar thikeyan	-	2	-	16	-	7	135	135	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Mr.Diju samuel	International Conference on Engineering Materials and Processes ICEMAP 2017	Prediction of mechanical properties in friction stir welded Aluminum hybrid composites using artificial neural network (ANN)	Jul 2016 to Jun 2017
2	Mr.Diju samuel	International Conference on Renewable Energy & Materials for Sustainability	Production of Aluminium Metal Matrix Composite (AL6061-PAC) by Stir Casting Technique	Jul 2016 to Jun 2017

b) Foreign Faculty/Expert visit to the Department: Nil

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.Karthikeyan.L.M	International Scientific Committee Member	ICAIME 2017	19 th International Conference on Advances in Industrial and Manufacturing Engineering	Miami, USA, March 9-10, 2017

2	Dr.Karthikeyan.L.M	International Scientific Committee Member	ICMAME 2016	18 th International Conference on Mechanical, Aeronautical and Manufacturing Engineering	Tokio, Japan, September 5-6, 2016
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7. Details of Seminars, Conferences and Refresher courses Organised : Nil

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Dr.Aldrin sugin	Fabrication and characterization of aluminium 7075-flyash metal matrix composite with analytical verification on application to aircraft wings	International Journal of Innovative studies in sciences and engineering technology, ISSN: 2455-4863	Vol 3 issue 5	2017	pp 48
2	Mr.Diju samuel	Optimization of friction stir weld parameters using response surface method for hybrid non ferrous composites	International Journal of mechanical engineering and technology, ISSN: 0976-6340	Vol 8 issue 5	2017	912-923
3	Mr.Ramanan	Multi response prediction of machining process parameters using artificial neural network	International Journal of mechanical engineering and technology, ISSN: 0976-6340	Vol 8, issue 5	2017	866-876
4	Mr.Ramanan	Neural Network Prediction and Analysis of Material Removal Process during Wire Cut Electrical Discharge Machining	REST Journal on emerging trends in Modelling & Manufacturing, ISSN: 2455-4537	Vol 3, issue 1	2017	7-11
5	Mr.Ramanan	Response Surface Modeling and Grey Relative Analysis to Optimize the Wire Edm Machining Parameters with Multiple Response Characteristics	International Journal of Control Theory and Applications, ISSN : 0974-5572	Vol 10	2017	243-253

6	Mr.Raman an	Influence of activated carbon particles on microstructure and thermal analysis of AA7075 metal matrix composites	Rasayan Journal of Chemistry, ISSN: 0974-1496	Vol 10, issue 2	2017	375-384
7	Mr.Diju samuel	Effect of Process Parameters on the Microstructure and Mechanical Properties of Al6061/Powdered Activated Carbon Metal Matrix Composite	International Journal of Control Theory and Applications, ISSN : 0974-5572	Vol 10	2017	285-295
8	Mr.Diju samuel	Optimization of friction stir weld parameters using response surface method for hybrid non ferrous composites	International Journal of mechanical engineering and technology, ISSN: 0976-6340	Vol 8, issue 5	2017	912-923
9	Mr.Diju samuel	Multi-objective optimization of friction stir welded dissimilar aluminium composites using grey analysis	International Journal of Applied Engineering Research, ISSN: 0973-4562	Vol 12, issue 7	2017	279-1289

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs: Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch				
		F	M		O C	BC		BCM		MBC/DNC		SC		SCA		ST	II		III		IV			
						M	F	M	F	M	F	M	F	M	F		M	F	M		F	M	F	
						M	F	M	F	M	F	M	F	M	F		M	F	M		F	M	F	M
UG Programme	3	4	7	-	-	4	3	-	-	-	-	-	-	-	-	-	5	5	4	3	7	7	92.3	
PG Courses																								
M.Phil. Programme																								
Ph.D Programme																								
Diploma / PG Diploma/ Certificate Courses (if any)																								
Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E Aerospace Engineering	Indian	Kerala	3	4	7

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	09	Male	Nil	Male	Nil	Nil	Nil	Male	Nil	Nil	Nil
2	Female	15	Female	Nil	Female	Nil	Nil	Nil	Female	Nil	Nil	Nil

14. Fellowships Awarded (National/International) Faculty/Students Stipend

awarded : Nil

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1	B.E.	10	07	10	08	08	02	08	03	14	10	14	09	26	20	26	26

17. Placement Details:

Name of the Placement co-ordinator : K.Samuel			
Phone/Mobile Number : +918122228778 e-mail: sam.profl@gmail.com			
Number of Placement Programmes: 1			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	2	5

2	Number of Placements obtained through Campus Interview	2	5
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0.5	0.31

18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Rozna Manzoor	Selected in satellite launching program on 11 th Mar 2017	AK-EDUSAT
2	Thahira Thasnim	Selected in satellite launching program on 11 th Mar 2017	AK-EDUSAT
3	Asbin leo	Selected in satellite launching program on 11 th Mar 2017	AK-EDUSAT
4	Amal John	Selected in satellite launching program on 11 th Mar 2017	AK-EDUSAT
5	Mohammed Harun Babu.R	Participated from 22 nd Dec 2016 16 th to Jan 2017	GIS & Remote Sensing Workshop, Trivandrum
6	Abirami.R	Participation as a delegate from 3 rd Nov 2016 to 5 th Nov 2016	NDT Conference, IISc

20. Department Meeting Held : Programme Committee, Course Committee etc. BOS

S.No	Name	Date	Vanue / Hall N
1	Board of Studies Meeting	07.02.2017	T 103
2	1 st Programme Committee Meeting (odd sem)	25.07.2016	T 103
3	2 nd Programme Committee Meeting (odd sem)	29.08.2016	T 103
4	1 st Programme Committee Meeting (even sem)	27.02.2017	T 103
5	2 nd Programme Committee Meeting (even sem)	12.04.2017	T 103
6	1 st class committee meeting for S3 student (odd sem)	25.07.2016	T 102
7	1 st class committee meeting for S5 student (odd sem)	26.07.2016	T 202
8	1 st class committee meeting for S7 student(odd sem)	27.07.2016	T 201
9	2 nd class committee meeting for S3 student (odd sem)	27.08.2016	T 102
10	2 nd class committee meeting for S5 student (odd sem)	27.09.2016	T 202
11	2 nd class committee meeting for S7 student (odd sem)	29.08.2016	T 201
12	1 st class committee meeting for S4 student (even sem)	25.01.2017	T 102
13	1 st class committee meeting for S6 student (even sem)	25.01.2017	T 202

14	1 st class committee meeting for S8 student (even sem)	10.02.2017	T 201
15	2 nd class committee meeting for S4 student (even sem)	27.03.2017	T 102
16	2 nd class committee meeting for S6 student (even sem)	23.03.2017	T 202
17	2 nd class committee meeting for S8 student (even sem)	29.03.2017	T 201
18	3 rd class committee meeting for S4 student (even sem)	24.04.2017	T 102
19	3 rd class committee meeting for S6 student (even sem)	20.04.2017	T 202
20	3 rd class committee meeting for S8 student (even sem)	20.04.2017	T 201
21	1 st Staff Meeting	11.08.2016	T 103
22	2 nd Staff Meeting	11.01.2017	T 103
23	3 rd Staff Meeting	08.03.2017	T 103
24	4 th Staff Meeting	05.04.2017	T 103

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Computational Fluid Dynamics Lab	The CFD lab consists of a 40 Node Linux OS based Cluster. The basic unit is a Xeon GHz Quad pro processor and a ten such units make up the total system and one of these units constitutes as the main server. At present ANSYS 12 CFD Version has been installed	-	The CFD Lab serves as a basic computational Platform for Design, Research and Educational activities

22. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	657	7	No. of titles available	294
2	Books added during the year 2015	4	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/ Magazines	14	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	1	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	WiFi connecting to all	12	Availability of Language Lab	No

23. Information and Communication Technology

Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Levono - Pentium (R) Dual-core CPU E5700 @ 3.00GHz, RAM 2GB	1	7	Network	-	1
2	Laptops	Levono - Pentium 1.9 GHz Processor, 500 GB HDD, 2 GB RAM	1	8	Fax	-	0
3	Printer	-	0	9	Smart Class	With smart board interacted board and projector ceiling mount	1
4	LCD Projector	Epson Multi media Projector with lens, Remote, Power cable, VGA, Bag, Adopter cable, EPSON CD ROM	1	10	Software/ Data base	ANSYS, FLUENT, MATLAB	1
5	Net Connection Wi-Fi: Wired:	-	1	11	Others	ANUJA PA Amplifier, wireless micro phone and wall speakers	1
6	Scanner	-	0				

29. Collaborative Researches : Nil

30. Consultancies : Nil

31. No. of NET/SET/GATE/CSIR Qualified students: Nil

32. MOUs signed : Nil

33. Innovations and Best Practices : Green India, Swath Bharath, Voters campaign

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (1/7)	0.14
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (9/7)	1.28
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (2/7)	0.28
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (0/7)	0.00
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (2/7)	0.28
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (0/7)	0.00
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (2/52)	0.04
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (657/52)	12.63
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (30/52)	0.57
2.4	Constructed area per student	Total constructed area / Total number of students (1676m ² /52)	32.23
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1.00
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	7.43
3.3	Gender Ratio	Total number of female students / Total number of male students (27/25)	1.08
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (0/10)	0.00
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (8/10)	0.8
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (0/10)	0.00
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (24/26)	0.92
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	1,07,000
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	72,000
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (0/52)	0.00
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (3/3)	1.00
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted (3/52)	0.06
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (7/26)	0.26
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students (0/26)	0.00

NAME OF THE DEPARTMENT: AUTOMOBILE ENGINEERING

1. Department Details :

Name of the School	Mechanical Engg
Name of the HOD, Phone No. and E-mail ID	Dr. J.Edwin Raja Dhas; 9443607104;edwinrajadhas@rediffmail.com
Year of Establishment	2009
Telephone Number	
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.Edwin Raja Dhas	M.E.,Ph.D.	Professor & Head	Intelligent Manufacturing	13.3Yrs		edwinrajadhas@rediffmail.com 9443607104
2	Dr.M.Edwin Sahayaraj	M.E.,Ph.D.	Associate Professor	Coating	14.4Yrs		ebishauon@yahoo.com 9443734994
3	Dr.Stanly Jones Retnam	M.E.,Ph.D., MBA.	Associate Professor	Manufacturing/ Composite materials	10.8Yrs		er.stanlybjones@yahoo.co.in/ 9443791408
4	Mr.A.K.Darwins	M.E.,(Ph.D)	Assistant Professor	Manufacturing	14.4Yrs		akdarwins@gmail.com 9487657885
5	Mr.K.S.Karthik	M.E.,(Ph.D)	Assistant Professor	Automotive Design	6.4Yrs		karthik.ks18@gmail.com 9787009454
6	Mr.B.V.Subhananandh	M.E	Assistant Professor	CAD Design	6.3Yrs		bvanandh@yahoo.com/ 9597336365
7	Dr.Pradeep	M.E.,Ph.D	Assistant Professor	Manufacturing/ of nano - composites	11.1Yrs		pspradeep2006@rediffmail.com / 9488333753

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr.Edwin Raja Dhas		4		3		12		-		-		-		7

2	Dr.M.Edwin Sahayaraj		2.4		3		3		-		-		-		1
3	Dr.Stanly Jones Retnam		3		3		2		-		-		-		1
4	Dr.Pradeep		2		3		4		-		-		-		1

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. J.Edwin Raja Dhas	National Conference on Robotics and Automobile (NCRAE,17) -Bharath Institute of Higher Education and Research Chennai	Prediction of weld quality using soft computing technique	18-August-2017
2	Dr.Pradeep	National Conference on Robotics and Automobile (NCRAE,17) -Bharath Institute of Higher Education and Research Chennai	Comparison of mechanical properties for hybrid palm reinforced polymer composite	18-August-2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. M. Edwin Sahayaraj. M	Judge for Technical festival			St. Xaviers Catholic College of Engineering, 08.02.2017
2	Dr. J.Edwin Raja Dhas	Chair Person for Technical Symposium			Bethlahem Institute of Engineering. 27.9.17
3		Judge for International Conference			Rohini College of Engineering and Technology, 14,15 Feb2017

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Dr. Edwin Raja Dhas	VENTURA2K17		10 th April of 2017
2	Dr.M.Edwin Sahayaraj	VENTURA2K17		10 th April of 2017
3	Dr.Stanly Jones Retnam	VENTURA2K17		10 th April of 2017
4	Dr.Pradeep	VENTURA2K17		10 th April of 2017

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	Dr.Edwin Raja Dhas	Optimization of Friction Stir Weld Parameters Using Response Surface Method for Hybrid Non Ferrous Composites.	International Journal of Mechanical Engineering and Technology	Volume 8, Issue 5	2017	pp. 912–923
2.		Multi-Objective Optimization of friction stir welded dissimilar aluminum composites using grey analysis	International Journal of Applied Engineering Research ISSN 0973-4562	Volume 12, Number 7	2017	pp. 1279-1289
3.		Influence of activated carbon particles on microstructure and thermal analysis of AA7075 metal matrix composites	Rasayan Journal of Chemistry 10(2), 375 - 384 ISSN: 0974-1496	Vol. 10 , No. 2	2017	375-384
4.		Design optimization of	International Journal of	Volume 8,		pp. 810–810

		surface roughness by turning process using response surface methodology and grey relational analysis	Mechanical Engineering and Technology	Issue 8,		
5.		Finite element structural analysis of connecting rod of AA7075-TiC composite using ANSYS,	International Journal of , Mechanical Engineering and Technology	Volume 8, Issue 7,		pp. 1102–1110
6.	Dr.Stanly Jones Retnam	Mechanical Characterization on Woven Bidirectional Natural Fiber Reinforced Polymer Composites	International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE)	Volume 3 Issue 9	2017	PP: 134 – 136

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2015-16		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch				
		F	M		O C	BC		BCM		MBC/DNC		SC		SCA		ST	II		III		IV			
						M	F	M	F	M	F	M	F	M	F		M	F	M			F	M	F
	UG Programme		32	32	1	1					1													64.5 %
	PG Courses		5	5	3	1					1													100 %
	M.Phil. Programme																							
	Ph.D Programme																							
	Diploma / PG Diploma/ Certificate Courses (if any)																							
	Total				4	4					2													

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass

17. Placement Details:

Name of the Placement co-ordinator :			
Phone/Mobile Number :		e-mail:	
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed		
2	Number of Placements obtained through Campus Interview		
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		

18. Outstanding achievements by the Faculty Members: |

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1			
2			

20. Department Meeting Held:

Programme Committee, Course Committee etc. BOS

S.No	Name	Date

1.	Course Committee Programme Committee Etc.		
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21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	808	7	No. of titles available	318
2	Books added during the year 2015	226	8	No. of CDs and Digital Books available	25
3	No. of Indian Journals/ Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	15	11	Average No. of books Issued per day	2
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches:

25. Consultancies:

26. No. of NET/SET/GATE/CSIR Qualified students:

27. MOUs signed:

28. Innovations and Best Practices:

29. Others

Sl.NO	Name	Title of the Program	Duration
1.	Dr.P. Pradeep	Ansys Work Bench (work Shop)	10/26/2016
2.	Mr. K.S. Karthik	Ansys Work Bench (work Shop)	10/26/2016
3.	Dr Edwin sahaya raj	Ansys Work Bench (work Shop)	10/26/2016
4.	Dr.B.Stanly Jones Retnam	Ansys work Bench(Workshop)	26-10-2016
5.	Mr. K.S. Karthik	Rapid Prototyping Using 3D Printer (Work Shop)	2/13/2017
6.	Dr. A.K. Darwins	Rapid Prototyping Using 3D Printer (Work Shop)	2/13/2017
7.	Dr Edwin Raja Dhas	Rapid Prototyping Using 3D Printer (Work Shop)	2/13/2017
8.	Dr.B.Stanly Jones Retnam	Rapid Prototyping Using 3D printer(Workshop)	13-02-2017

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	0.714
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	0.714
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	0.28
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	0.14
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	0.14
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	0.14
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	0.09
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	9.39
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	0.32
2.4	Constructed area per student	Total constructed area / Total number of students ()	2458 f/student
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1.25
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	12.28
3.3	Gender Ratio	Total number of female students / Total number of male students ()	-
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	0.55
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	0.8
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	-
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	0.72
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars/Total No. of scholars' in the department ()	-
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	0.03
4.2	Ratio of placements to students	Total no. of Placements / Total no. of outgoing students ()	0.88
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of outgoing Students ()	-

NAME OF THE DEPARTMENT: CIVIL

1. Department Details:

Name of the School	Civil Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. Y. Stalin Jose, 9486856129, stalinjosecivil@gmail.com
Year of Establishment	2006
Telephone Number	9486856129
Website / E mail	civniu@gmail.com
Special Status : (if any)	Nil

2. Details of Faculty Members:

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. V. Narayanan Nair	M.Sc, Ph.D	Professor & Dean	Geology	47	34	
2	Dr. Y. Stalin Jose	M.E, Ph.D	Associate Professor	Structural Engg	10	-	Stalinjosecivil@gmail.com & 9486530715
3	Dr. M. BeenaMol	M.E, Ph.D	Associate Professor	Structural Engg	7	1	beena.civil@gmail.com & 9578930932
4	Mr. D. Allwin	M.E	Assistant Professor	Hydrology & water Resource Engg	7.7	-	winniu@ymail.com & 9842136552
5	Ms. N. Alex Dorwina	M.E	Assistant Professor	Hydrology & water Resource Engg	7.2	-	alex85dorwina@yahoo.co.in & 9442271710
6	Mr. R. MuthuUthayan	M.E	Assistant Professor	Construction Management	5.4	-	muthuuthayan@gmail.com &9894981986
7	Ms. B. Soniya	M.E	Assistant Professor	Soil Mechanics & Foundation Engg	4.8	-	soniya.sheeba@yahoo.com & 9443506612
8	Mr. S. Mathan Kumar	M.E	Assistant Professor	Environmental Engg	4.4	-	mathankumar.lingam@gmail.com & 7598289166
9	Ms. J. Shalini	M.E, (Ph.D)	Assistant Professor	Structural Engg	4.4	-	shalinijaba@gmail.com & 9488477343
10	Ms. R. Roselin	M.Tech, (Ph.D)	Assistant Professor	Structural Engg	8.4	-	rose_civil@yahoo.co.in & 8903706756

11	Mr. S. Sunil Kumar	M.E	Assistant Professor	Structural Engg	4.4	-	sskme1986@gmail.com & 9003353631
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3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1.	Dr. V. Narayanan Nair	-	-	-	8	-	-		0.68	-	-	-	-	-	-
2.	Dr. Y. Stalin Jose	-	-	1	3	-	-		0.67	-	-	-	-	-	6
3.	Dr. M. BeenaMol	4	4	2	14	1	116		0.72	-	-	-	-	-	1
4.	Mr. D. Allwin	-	-	3	11	-	-		0.68	-	-	-	-	-	-
5.	Ms. N. Alex Dorwina	-	-	-	-	-	-		0.66	-	-	-	-	-	-
6.	Mr. R. MuthuUthayan	-	-	-	1	-	-		0.65	-	-	-	-	-	-
7.	Ms. B. Soniya	-	-	-	-	-	-		0.65	-	-	-	-	-	-
8.	Mr. S. Mathan Kumar	-	-	-	1	-	-		0.67	-	-	-	-	-	-
9.	Ms. J. Shalini	-	-	-	-	-	-		0.68	-	-	-	-	-	-
10.	Ms. R. Roselin	-	-	-	-	-	-		0.68	-	-	-	-	-	-
11.	Mr. S. Sunil Kumar	-	-	-	-	-	-		0.68	-	-	-	-	-	-

4. Research Schemes/Projects undertaken:

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil					
2						

5. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Nil			
2				

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil				

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
	Nil			

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	D. Allwin and Madhavi Ganesan	Delineation Of Permeable Zone For Effective Desilting Of Irrigation Tank To Enhance The Recharge Capacity	Pollution Research	36/1	2017/3	77-80
2.	Dominic Piug, Beena Mo I, Mohanalin, Prabavathy, Jordina	A Novel Wavelet Seismic Denoising Method Using Type II Fuzzy	Applied Soft Computing	48	2016	507-521

3.	MohanalinBee naMol,Prabava thy	Fuzzy Threshold Based Wavelet Processing Of Random Time Series And Highly Noisy Accelerograms	Asian Journal of Civil Engineering (BHRC)	17/ 8	2016	1131 - 1150
4.	D. Allwin and MadhaviGanes an	Partial Desilting Of Irrigation Tank To Enrich Recharge Capacity	European Journal of Engineering Research and Science	1/ 1	2016/8	64-69
5.	D. Allwin and Y. Stalin Jose	Analytic Hierarchy Process For Prioritize The Wrapping Materials Of Corrosion Damaged Beams	Journal of Innovative Research and Solutions	2/ 2	2016/7	201-208

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	Nil				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolmen t during 2016-17		Tota l	Community												Existing Students, Strength						Pass Percen tage of out going batch		
		F	M		O C	BC		BCM		MBC/ DNC		SC		SCA		ST	II		III		IV				
						M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F		M	F
1	UG Programme	6	65	71	6	2	3	3	2	-	-	1	1	1	-	-	-	-	4	4	6	1	7	1	82%
2	PG Courses	3	6	9	-	2	4	3	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	100 %
	M.Phil. Programme																								
3	Ph.DProgra mme	2	5	7	2	5																			

1.	B.E/ Civil Engin eering	68	18	63	16	51	13	51	28	73	28	73	22	95	41	94	94
2.	M.E/ Struct ural Engin eering	9	6	9	9	4	4	4	4	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator: Mr. D. Allwin			
Phone/Mobile Number : 9842136552e-mail:win8039@gmail.com			
Number of Placement Programmes:5			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	27	5
2	Number of Placements obtained through Campus Interview	27	5
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0.35	0.28

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Nil		

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Nil		
2			

20. Department Meeting Held : Programme Committee, Course Committee etc. BOS

S.No	Name	Date
1.	Programme Committee	23/07/2016, 26/10/2016, 25/01/2017, 07/04/2017
2.	BOS	08/02/2017, 17/05/2017

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1.	Structural Engineering Laboratory	Loading Frame		Research

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	689	7	No. of titles available	670
2	Books added during the year 2016	-	8	No. of CDs and Digital Books Available	30
3	No. of Indian Journals/Magazines	115	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	24
5	Average No. of students visiting the Library per day	6	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer		2	7	Network		2
2	Laptops		1	8	Fax		-
3	Printer		2	9	Smart Class		1
4	LCD Projector		2	10	Software/ Data base		-
5	Net Connection Wi-Fi: Wired:		-	11	Others		-
6	Scanner		1				

25. Collaborative Researches: Nil

26. Consultancies: Nil

27. No. of NET/SET/GATE/CSIR Qualified students: Nil

28. MOUs signed: Nil

29. Innovations and Best Practices: Nil

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff(2/11)	0.18
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (5/11)	0.45
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	-
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	-
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	-
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (21/11)	1.91
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (2/232)	0.008
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (689/232)	2.97
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted	1.6
2.4	Constructed area per student	Total constructed area / Total number of students (10000/232)	43.10
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (124/80)	1.55
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (232/11)	21.09
3.3	Gender Ratio	Total number of female students / Total number of male students (40/192)	0.21
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (116/232)	0.5
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (260/568)	0.46
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (45/232)	0.19
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post-Doctoral scholars'/Total No. of scholars' in the department (3/29)	0.1
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (32/95)	0.34
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students (20/95)	0.21

NAME OF THE DEPARTMENT: Biomedical Sciences & Technology

1. Department Details :

Name of the School	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION
Name of the HOD, Phone No. and E-mail ID	Dr.M.Murugan
Year of Establishment	2009
Telephone Number	9486856110
Website / E mail	muruganbt@niuniv.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.Nagendra Prasad	Ph.D	Professor	Cytogenetics and Ethnobotany	40	35	bioprasad@gmail.com , 9994174942
2	Dr.M.Murugan	Ph.D	Associate Professor & HOD	Molecular genetics			muruganbt@niuniv.com 9486856110
3	Dr.S.Albert Jerome	Ph.D	Associate Professor	Biomedical signal processing and Instrumentation	15	7	albert_s@rediffmail.com , 9894214933
4	Dr.I.Sowmy	Ph.D	Assistant Professor	Wireless Communication	11.4	-	sowmymni@yahoo.com 9994703309
5	Ms.V.Femi	M.Tech.	Assistant Professor	BioMEMS, medical Optics	7	-	femivm87@gmail.com 9789527971
6	Mr.S.G.Saju Simon	M.Tech.	Assistant Professor	Biomedical Instrumentation	4	-	sajusimon.nta@gmail.com , 9946215178
7	Ms.R.S.Saranya	M.E	Assistant Professor	Biomedical Instrumentation	1	-	Sansaranya15@gmail.com 8870365509
8	Ms.Lisha Daniel	M.E	Assistant Professor	Bio sensors	1.4	-	lishacmi@gmail.com 7639241642

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1.	V.Femi	National Conference on 'Recent Innovations in Healthcare Technologies'	Low cost Arduino based heart rate monitoring system	10-04-2017
2.	Lisha Daniel	National Conference on Recent Advances in Engineering, Science and Technology	Participated	28-03-2017
3.	R.S.Saranya	National Conference on Recent Advances in Engineering, Science and Technology	Participated	28-03-2017
4.	V.Femi	National Conference on Recent Advances in Engineering, Science and Technology	Participated	28-03-2017
5.	Dr.I.Sowmy	National Conference on Recent Advances in Engineering, Science and Technology	Participated	28-03-2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	Saju simon S.G, ShahanaShihab, Thahan y. S	Bio-artificial liver	International Journals of Advances researches in science and engineering, 2319 – 8354	5,8	2016	182 – 189
2.	SajuSimon. S.G, Athira S. A, Anushanand .J	DNA – nanorobots for active drug delivery	International Journals of Advances researches in science and engineering, ISSN 2319 – 8354	6,4	2017	37- 42
3.	SajuSimon. S.G, Keerthana. K.S, Shehanas. S	Hearing impaired alerter	International Journals of Advanced Technology in engineering and Science, ISSN 2348 – 7550	5,4	2017	649- 656
4.	SajuSimon. S.G, AdheenaDelip, Josfin. V. Joy	Heart attack analysis using smart phone	International Journals of Advances researches in science and engineering, ISSN 2319 – 8354	6,6	2017	281 – 258

5.	S. AmalaShanthi, C. Helen Sulochana and S. Albert Jerome	Image denoising using bilateral filter in subsampled pyramid and nonsubsampled directional filter bank	Journal of Intelligent & Fuzzy Systems, 1064-1246/1875-8967	31,1	2016	237-247
6.	I.Sowmy, J.Jeyakumari	An Efficient Radon Mapped Discrete Wavelet transform based algorithm for MC-CDMA System	International Journal of Enterprise Network Management, ISSN online: 1748-1260	8,2	2017	55-65
7.	KR Beularani, SK Sundar, M Murugan	Study the Diversity of Root Associated Microorganisms of Medicinal Plant <i>Alpinia galangal</i>	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 0975-8585	7,3	2016	1270-1274
8.	Subramonian S, Segin Chandran, Murugan M, Murugan T	Study of Bacterial Dominance and its Occurrence Frequency in Dental Plaque Sample	International Journal of Pharmaceutical and Clinical Research, 0975 1556	8,6	2016	548-550
9.	Aldous Jenin G, Michael Babu M, Murugan M, Murugan T	Isolation and Identification of Chitinase Producing Native Fungi from Saltpan of Puthalam, Kanyakumari District, Tamil Nadu, India	Journal of Applied Biology & Biotechnology, 2347-212X	4,3	2016	1-5
10.	Starlet Priya F, Renu A, Murugan M	Isolation, Production of Novel Enzyme: Amylase from <i>Penicillium</i> Sp.	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 0975-8585	7,4	2016	490-495
		And It's Cytotoxic Studies	83			

11.	Murugan T, Murugan M, Albino Wins J	Screening, Production and Antibacterial Potential of Biosurfactant from <i>Bacillus subtilis</i> Isolated from Oil Contaminated Soil	International Journal of Pharmaceutic al Sciences Review and Research, 0976 – 044X	38,2	2016	115-118
12.	Anupa M P, Chinju S, Murugan M	Qualitative Phytochemical Screening and <i>In vitro</i> Antioxidant Activity of <i>Hybanthus enneaspermus</i>	International Journal of Pharmacogn osy and Phytochemic al Research, 0975-4873	8,6	2016	1046-1049
13.	J.R. Abima shazhni1, A. Renu and M. Murugan	Phytochemical Screening and <i>In vitro</i> Antimicrobial Activity of Ornamental Plant <i>Anthurium andraeanum</i>	Journal of Pharmaceutic al Science & Research, 0975-1459	8,7	2016	668-670
14.	S. Subramonia n, Segin Chandra, M. Murugan and T. Murugan	Assessment of antibacterial efficacy of different tooth pastes on dental caries bacteria	Rasayan Journal of Chemistry, 0976-0083	9,3	2016	335-339
15.	Abima Shazhni J R, Renu A, Murugan M	Phytochemical Investigation and Antimicrobial Activity Study of Ornamental Plant <i>Caladium x hortulanum</i>	International Journal of Pharmacogn osy and Phytochemic al Research, 0975-4873	8,7	2016	1223-1226
16.	S.Sahaya Sathish, A.Vimala, A.Kanaga , M.Murugan	Antioxidant and Antimicrobial Studies on Biosynthesized Silver Nanoparticles using <i>Bryum medianum</i> mitt. A Bryophyte From Kolli Hills, Eastern Ghats of Tamilnadu, India	Journal of Pharmaceutic al Science & Research, 0975-1459 84	8,8	2016	704-709

17.	Starlet Priya F, Renu A, Murugan M	Isolation and Production of Amylase from <i>Aspergillus niger</i> using jackfruit seed as substrate	International Journal of Pharmaceutical Sciences Review and Research, 0976 – 044X	40,2	2016	65-67
18.	Abima Shazhni J R, Renu A, Murugan M	Phytochemical Investigation and Antimicrobial Activity Study of Ornamental Plant Caladium x hortulanum	International Journal of Pharmacognosy and Phytochemical Research, 0975-4873	8,7	2016	1223-1226
19.	T.Murugan, M. Murugan, J. Albino Wins	Screening, Production and Antibacterial Potential of Biosurfactant from Bacillus subtilis Isolated from Oil Contaminated Soil	International Journal of Pharmaceutical Sciences Review and Research, 0976 – 044X	38,2	2016	115-118
20.	J.R. Abima shazhni, A. Renu and M. Murugan	Phytochemical Screening and In vitro Antimicrobial Activity of Ornamental Plant Anthurium andraeanum	Journal of Pharmaceutical Sciences and Research, 0975-1459	8,7	2016	668-670
21.	S.Sahaya Sathish, A.Vimala, A.Kanaga , M.Murugan	Antioxidant and Antimicrobial Studies on Biosynthesized Silver Nanoparticles using Bryum medianum mitt. A Bryophyte From Kolli Hills, Eastern Ghats Of Tamilnadu, India	Journal of Pharmaceutical Sciences and Research, 0975-1459	8,8	2016	704-709
22.	S. Subramonia n, Segin Chandran, M. Murugan and T. Murugan	Assessment of antibacterial efficacy of different tooth pastes on dental caries bacteria	Rasayan Journal of chemistry, 0974-1496	9,3	2016	335-339

23.	M.Arunachalam, P.Sivakumar, M.Murugan	Descriptions of five new species of Neolissochilus Rainboth, 1985 (Cypriniformes: Cyprinidae) from streams/rivers of the Western Ghats, peninsular India	FishTaxa, 2458-942X	2,1	2017	1-27
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9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2015-2016		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch				
		F	M		O	C	BC		BCM		MBC/DNC		SC		SCA		ST	II			III		IV	
							M	F	M	F	M	F	M	F	M	F		M	F		M	F	M	F
	UG Programme																	20	15	12	26	51	12	
	PG Courses																							
	M.Phil. Programme																							
	Ph.D Programme																							
	Diploma / PG Diploma/ Certificate Courses (if any)																							
	Total																							

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	B.E Biomedical Engineering(II,III and IV Year)	Indian	Kerala	29	45	74

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
									1	

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s
1	B.E Biom edical Engin eerin g	51	28	47	28	35	09	34	09	38	22	38	36	17	12	17	17

17. Placement Details:

Name of the Placement co-ordinator : Mr.S.G.Saju Simon			
Phone/Mobile Number :9946215178e-mail:sajusimon.nta@gmail.com			
Number of Placement Programmes:8			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	2	5
2	Number of Placements obtained through Campus Interview	3	6
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	5:5	11:12

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Tincy K Mariam,S8 BME	Witnessed Republic Day Parade-2017 in PM Box	Govt. of India
2	Leneta Christopher, S8 BME	ICTACT-Youth Talk(National finale) Runner, 24 august 2016	ICT Academy,Tamil Nadu
3	Shehanas S, S8 BME	Intercollege Weight lifting competition(State level), First Prize, NICHE, Oct 25 th &26 th , 2016	Sports development authority of Tamil Nadu
4	Leneta Christopher, Tincy.K.Mariam, Lavina Joseph,Minsiya.K.A,S.Tahany, S8 BME	Group Dance-Regional - 1st prize	Sree Ayappa College for Women,Kanyakumari

**20. Department Meeting Held :
Programme Committee, Course Committee etc. BOS**

S.No	Name	Date	
1.	First Programme Committee(Odd Semester)	14-07-2016	
2.	Second Programme Committee(Odd Semester)	29-08-2016	
3.	First Programme Committee(Even Semester))	10-02-2017	
4.	Second Programme Committee(Even Semester)	15-03-2017	
5.	Third Programme Committee(Even Semester)	07-04-2017	
6.	First Staff Meeting(Odd Semester)	19-08-2016	
7.	Second Staff Meeting (Odd Semester)	03-10-2016	
8.	Third Staff Meeting (Odd Semester)	23-11-2016	
9.	Fourth Staff Meeting (Odd Semester)	05-12-2016	

10.	First Staff Meeting(Even Semester)	03-01-2017	
11.	Second Staff Meeting(Even Semester)	14-03-2017	
12.	BOS	02-02-2017	
13.	BOS	17-05-2017	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
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22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Blood donation camp		27-07-2016	Government District HeadQuarters Hospital, Thuckalay
2	Swaach Bharath		03-02-2017	Thuckalay
3	Dengue awareness camp		17-04-2017	PuliyoorKurichi

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Ms.V.Femi

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	622	7	No. of titles available	30
2	Books added during the year 2015	-	8	No. of CDs and Digital Books Available	-
3	No. of Indian Journals/ Magazines	5	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches :

25. Consultancies :

26. No. of NET/SET/GATE/CSIR Qualified students: 1

27. MOUs signed :

28. Innovations and Best Practices : Strong Advisory Board, Corporate

Advisory Board(CAB),

Socially Relevant Rural Health Screening Camps

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff()	
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	
3.3	Gender Ratio	Total number of female students / Total number of male students ()	
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

NAME OF THE DEPARTMENT:COMPUTER SCIENCE AND ENGINEERING

1. Department Details :

Name of the School	Faculty of Information and Computer Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. Julia Punitha Malar Dhas 9486856118, hodcse@niuniv.com
Year of Establishment	1989
Telephone Number	9486856118
Website / E mail	hodcse@niuniv.com
Special Status : (if any)	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1.	Dr.N.Chandrasekhar	B.E., Ph.D.	PVC	Cloud Computing	37 Yrs	25 Yrs	drncshekhar60@yahoo.com 9486856103
2.	Dr. ShajinNargunam .A	M.C.A, M.E, Ph.D (NITC)	Dean, Prof. & Dir (Acad.)	Wireless networks, Cloud Computing & Network Security	22.3 Yrs	14.9 Yrs	shajin@niuniv.com 9488347699
3.	Dr. Julia Punitha Malar Dhas	B.E, M.E, Ph.D	Prof. & Head	Wireless networks	17.9	11.9	julaps113@yahoo.com 9442759814
4.	Dr.J.AmarPratap Singh	B.E, M.E, Ph.D	Director (Admin) , Professor	Mobile Computing, Wireless Communication , Computer networks	20.3 Yrs	14.9 Yrs	japsindia@yahoo.com 9486856111 9443391343
5.	Dr. R.Chitra	B.E, M.E, Ph.D	Associate Professor	Data mining &soft computing	14.9 Yrs	6.9	chitrajegan5@gmail.com 9443841910

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
6.	Dr. R.Kalaiselvi	B.E., M.E., Ph.D	Associate Professor	Cloud Computing & Network Security	17.3 Yrs	10.9 Yrs	kalaiselvir32@gmail.com 9444859352
7.	Dr.S. Vinila Jinny	B.E., M.E., Ph.D	Associate Professor	Data Science	11.9 Yrs	7Yrs	vinijini@gmail.com 9489283126
8.	Dr. C.P. Maheswaran	B.E., M.E., Ph.D.	Associate Professor & HOD	Wireless Networks, Mobile Computing	11.3 Yrs	6.9Y	maheswaran_ncp@yahoo.co.in 9894472239
9.	Dr. R. SujiPramila	B.E, M.Tech, Ph.D	Associate Professor	Wireless networks	12.7 Yrs	7	sujisymon@gmail.com 9894980636
10.	Dr. J.E. Judith	B.E, M.E, Ph.D	Associate Professor	Big Data Analytics	13Yrs	7	judithjegan@gmail.com 9443130175
11.	Ms. Sinciya P.O	B.Tech, M.E, Ph.D	Assistant Professor	Deep learning	9.7 Yrs	5.2yrs	sinciyapo@gmail.com 7598221021
12.	Mrs. G. Venifa Mini	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing	11.3 Yrs	7	venifamini@yahoo.co.in 9442634526

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
13.	Ms. I. BerinJeba Jingle	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing	5Yrs		9865031182
14.	Ms. B.S.DeepaPriya	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing	6.4 Yrs		9486663388
15.	Dr. P. Venkadesh	B.E, M.E, Ph.D	Assistant Professor	Network Security	14.4 Yrs	5yrs	pvenkadesh2002@gmail.com 9994433554
16.	Ms. A.M. AnushaBamini	B.E, M.E, Ph.D	Assistant Professor	Cloud Computing, Image Processing	7.2 Yrs	4.9yrs	anushabamini@gmail.com 9677399710

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr.N.Chandrashekar														
2	Dr. ShajinNargunam.A	1	2	2	27	4	50			-	-				
3	Dr. Julia Punitha Malar	1	2	2	29	4	35			-	-	-	-	-	-

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
4	Dr.J.AmarPratap Singh	1	2	1	12	5	15			-	-	-	-	-	-
5	Dr. R.Chitra	-	-	1	3	1	2			-	-	-	-	-	-
6	Dr. R.Kalaiselvi	-	-	2	12	3	27			-	-	-	-	-	-
7	Dr.S. Vinila Jinny	-	-	-	3	1	2			-	-	-	-	-	-
8	Dr. C.P. Maheswaran	-	-	1	12	1	2			-	-	-	-	-	-
9	Dr. R. SujiPramila	-	-	6	10	9	33			-	-	-	-	-	-
10	Dr. J.E. Judith	-	-	3	3	18	18			-	-	-	-	-	-
11	Ms. Sinciya P.O	-	-	-	-	-	-			-	-	-	-	-	-
12	Dr. A.Anitha	-	-	5	9	2	7			-	-	-	-	-	-
13	Mrs. G. Venifa Mini	-	-	-	-	-	-			-	-	-	-	-	-
14	Ms. I. BerinJeba Jingle	-	-	-	-	-	-			-	-	-	-	-	-
15	Ms. B.S.Deepa Priya	-	-	-	-	-	-			-	-	-	-	-	-
16	Dr. P. Venkadesh	-	-	1	7	1	2			-	-	-	-	-	-

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
17	Ms. A.M. Anusha Bamini	-	-	-	1	-	-	-	-	-	-	-	-	-	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
-	-	-	-	-	-	-

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc. -

Sl. No.	Name of the Faculty	Congress/Conference/Seminar/Workshop and Venue	Title of the paper	Period
1	J. Anitha, Jeseela, J.E. Judith	International Conference on Energy Efficient Technologies for Sustainability	Efficient Overlay-Based Parallel Data Mining Architecture	2016
2	SujiPramila, R.	IEEE International Conference on IoT and its Applications	An analysis of routing protocols in manets and Internet of things	2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
-	-	-	-	-	-

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
-	-	-	-	-	-

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/Workshop/Symposia, etc. Organized	State/National/International Level	Period
1.	Dr.JuliaPunit ha Malar	International Conference on Novel Issues and Challenges in	International Level	28/07/2016 &

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
	Dhas	Science and Engineering (NICSE'16)		29/07/2016
2.	Dr.JuliaPunit ha Malar Dhas	Technical Workshop on "Latest Web Technologies"	State Level	05/10/2016
3.	Dr.JuliaPunit ha Malar Dhas	Seminar on "How to prepare Bank Exams"	State Level	16/02/2017
4.	Dr.JuliaPunit ha Malar Dhas	National Level Technical Symposium "TECHLIGA 2K17"	National Level	23/03/2017
5.	Dr.JuliaPunit ha Malar Dhas	Seminar on "Data Mining"	State Level	03/04/2017
6.	Dr.JuliaPunit ha Malar Dhas	Workshop on " Internet of Things"	State Level	05/04/2017 & 06/04/2017

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Sarath R, ShajinNargun am A	An efficient implementation of BB84 quantum key distribution protocol	Journal of Chemical and Pharmaceutical Sciences 0974-2115		2016	
2	Cherian R, ShajinNargun am A	Distributed agent-based detection system using PSO and neural network for MANET	International Journal of Mobile Network Design and Innovation 1744-2869		2016	
3	Wilson, B., Dhas, J.P.M.	Evaluation of Iron content in SWI brain images based on GLCM features	International Journal of Control Theory and Applications 0974-5572		2016	

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
4	Jeba, S.J, Julia Punitha Malar Dhas	A Rate adaptation algorithm for IEEE802.11 wireless networks for commercial applications	Journal of Chemical and Pharmaceutical Sciences 0974-2115	Volume 9 Issue 4	2016	1904-1912
5	Dheeba, J., Amar Pratap Singh, J., Albert Singh, N.	A CAD system for mammographic image analysis using wavelet neural network	International Journal of Control Theory and Applications 0974-5572		2016	
6	Seenivasagam, V., Chitra, R.	Myocardial infarction detection using intelligent algorithms	Neural Network World 1210-0552		2016	
7	J. Dheeba	ITF scheduling scheme for wireless sensor networks	International Journal of Control Theory and Applications 0974-5572		2016	
8	J. Dheeba	Detection of microaneurysms in diabetic fundus images using preprocessing techniques	International Journal of Control Theory and Applications 0974-5572		2016	
9	Maheswaran, C.P., Helen Sulochana, C.	An efficient approach to allocating service in integrated cellular networks	International Journal of Applied Engineering Research 0973-4562	Volume 11, Issue 8	2016	pp 5440-5445
10	Pramila R, Nargunam A	Enhancing security in real time patient monitoring	International Journal of Enterprise Network Management 1748-1260	Vol.7, Issue.3	2016	223–236

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
11	Anitha, A., Jayakumari, J.	A guaranteed time and rate control method for improving QoS in WLAN	American Journal of Applied Sciences 1546-9239		2016	
12	Anitha, A., Jayakumari, J.	Rate adaptation schemes in WLANs	International Journal of Enterprise Network Management 1748-1252	Volume 7 Issue 1	2016	
13	Venkadesh, P., Dhas, J.P.M., Divya, S.V.	A technique for transmitting secret message using secret matrix in SCTP	International Journal of Enterprise Network Management 1748-1252	Volume 7 Issue 1	2016	1-12

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
-	-	-	-	-	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
-	-	-	-	-

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community														Existing Students, Strength						Pass % of outgoing batch
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III		IV		
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	UG Programme	15	65	80	1	-	14	4	11	5	33	6	6	-	-	-	-	-	25	5	24	6	24	7	90
2.	PG Courses	8	2	10	-	-	-	-	-	3	2	5	-	-	-	-	-	-	8	2	-	-	-	-	100
3.	M.Phil. Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.	Ph.D Programme	7	5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.	Diploma / PG Diploma/ Certificate Courses (if any)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		30	72	102	1	-	14	4	11	8	35	11	6	-	-	-	-	-	33	7	24	6	24	7	-

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	B.E. CSE	Indian	Kerala	64	7	71
2.	M.E. CSE	Indian	Kerala	2	7	9

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.			
		Total		Total	FT	PT	Total		FT	PT	Total
1.	1.	26	-	-	-	-	-	-	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	-	-	-	-	NIL

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	-	-	-	-	NIL
2	B.C.M.(State)	-	-	-	-	-	-	NIL
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	NIL
4	SC/SCA/ST(National)	-	-	-	-	-	-	NIL
5	SC/SCA/ST(State)	-	-	-	-	-	-	NIL
6	First Generation Free Education	-	-	-	-	-	-	NIL
7	Loan Scholarship	-	-	-	-	-	-	NIL
8	Others (Specify the name of the scholarship)	-	-	-	-	-	-	NIL
	Total	-	-	-	-	-	-	NIL

16 . Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
1.	B.E	24	07	17	05	17	07	17	12	30	16	29	14	31	21	29	26

17. Placement Details:

Name of the Placement co-ordinator : P.Venkadesh			
Phone/Mobile Number : 9994433554 e-mail: pvenkadesh2002@gmail.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	5	4
2	Number of Placements obtained through Campus Interview	5	4

3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	31%
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18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	NIL	NIL	NIL

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Sreethumol S, S4 CSE	Chess, Second place	NICHE
2	Sreethumol S, S4 CSE	Kabaddi, Second place	NICHE
3	Sreethumol S, S4 CSE	Throw Ball, Second place	NICHE
4	Sreethumol S, S4 CSE	State level Inter University Kabaddi, Participated	M.S. University
5	Farzana Thazneem,S4 CSE	Throw Ball, First place	NICHE
6	FarzanaThazneem, S4 CSE	Kabaddi, First place	NICHE
7	Kiran T Raj, S6 CSE	Hackathon 2017, Participated	Oriental University, MP
8	Akhil P, S6 CSE	Hackathon 2017, Participated	Oriental University, MP
9	Abin Abraham Godwin, S6 CSE	Hackathon 2017, Participated	Oriental University, MP
10	Manaskumar Das, S6 CSE	Hackathon 2017, Participated	Oriental University, MP
11	Muthu Kumar P, S6 CSE	Hackathon 2017, Participated	Oriental University, MP

20. Department Meeting Held :

Programme Committee, Course Committee etc. BOS:

S.No	Name	Date	Date
1.	Course Committee, Programme CommitteeEtc.	23/9/2016	23/1/2017
		22/9/2016	25/1/2017
1	Internal BOS Meeting	8-2-2017	-
2	External BOS Meeting	5-6-2017	-

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
-	-	-	-	-

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Swachh Bharat Abhiyan		03-02-2017	Police station, Thuckalay

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1140	7	No. of titles available	150
2	Books added during the year 2015	78	8	No. of CDs and Digital Books available	75
3	No. of Indian Journals/ Magazines	7	9	No. of Foreign Magazines/Journals	7
4	No. of data bases available	0	10	No. of Online Journals	0
5	Average No. of students visiting the Library per day	2	11	Average No. of books Issued per day	-
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	Nil	12	Availability of Language Lab	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.
1	Laptop	Lenovo Laptop, Intel pentium 3805U 1.9 GHz processor 2 GB RAM	1
2	Infocus IN104 Digital Projector	DLP Technology, 2500 lumens, 24*7 operation	1
2	Hitashistar Board	Screen Size: 1573*1800mm Star Board Dimension: 1793*1220*77.5 Ultrasonic frequency 40 KHz	1
4	speaker	Audio solution, Abuja speaker	2
5	Aver Vision Camera	3.2 Mega Pixel Camera, 16* Zoom, 24 fps Video frame, HD 720P resolution	1

24. Collaborative Researches :

NIL

25. Consultancies :

NIL

26. No. of NET/SET/GATE/CSIR Qualified students:

NIL

27. MOUs signed :

NIL

28. Innovations and Best Practices : NIL

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (2/17)	0.1
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (11/17)	1:0.6
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (11/17)	11:17
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (6/17)	1:0.4
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (-)	-
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (-)	-
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (125/80)	1.5
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	1:13
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (64/80)	4:5
2.4	Constructed area per student	Total constructed area / Total number of students (-/80)	-
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (50/30)	5:3
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (80/17)	1:5
3.3	Gender Ratio	Total number of female students / Total number of male students (11/69)	11:69
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (-)	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (71/80)	88.7
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (-)	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam	90%

		(26/29)	
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll (1.02 Lakhs * 29)/29	1.02Lakhs
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (26/80)	1:0.3
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (12/44)	12:44
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted (-)	-
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	31%
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	-

NAME OF THE DEPARTMENT: ELECTRICAL AND ELECTRONICS ENGINEERING

1. Department Details :

Name of the School	Electrical and Electronics Engineering
Name of the HOD, Phone No. and E-mail ID	Dr.J.Arul Linsely
Year of Establishment	1993
Telephone Number	04651 257495
Website / E mail	www.niueee.in

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Ms.F.Shamila	BSc. Engg, MSC Engg (By Research)	Professor	Power System	33Y 2 M		9037552800 shamisalim@yahoo.com
2	Dr.J.Arul Linsely	B.E(ECE), M.E, Ph.D	Assistant Professor/HOD	Applied Electronics	18Y 8 M		9486856130 arullinsely@gmail.com
3	Dr.P.Sujatha Therese	B.E(EEE), M.E, PhD	Associate Professor	Process Control & Instrumentation	15Y 11M		9443165780 psujathatherese@yahoo.in
4	Dr.M.Mary Synthia Regis Prabha	B.E (EEE) M.Tech, Ph.D	Associate Professor	Power Electronics and Drives	15Y 2M		9940877270 regisprabha@gmail.com
5	Dr.H.Vennila	B.E (EEE) M.E, Ph.D	Assistant Professor	Power System	15Y 4M		9994273837 vennilarajesh@yahoo.co.in
6	Dr.M.P.Flower Queen	B.E (EEE) M.E, Ph.D	Assistant Professor	Applied Electronics	16Y 4M		9486680636 flower_aurther@rediffmail.com
7	Ms.S.Anitha Janet Mary	B.E (EEE) M.E	Assistant Professor	Applied Electronics	14Y 7M		9524633365 ani27_simon@yahoo.com
8	Mr.Tibbie Pon Symon	B.Tech (EEE) M.E	Assistant Professor	Power Electronics	11Y 6M		7598283003 tibbiesymon@gmail.com
9	Ms.Bindhu V.S	B.E (EIE) M.E	Assistant Professor	Power Electronics	8 Y		9629209153 bindhuvs2003@gmail.com

10	Dr.K.Muthuvel	B.E (EEE) M.E, Ph.D	Assistant Professor	Electronics and Control	14Y 9M	9444146936 er.muthuvel@gmail.com
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3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1.	Ms.F.Shamila		-				-				-		-		-
2.	Dr.J.Arul Linsely		-				-				-		-		-
3.	Dr.P.Sujatha Therese		-				-				-		-		-
4.	Dr.M.Mary Synthia Regis Prabha		1				3				-		-		-
5.	Dr.H.Vennila		2				7				-		-		-
6.	Dr.M.P.Flow er Queen		-				-				-		-		-
7.	Ms.S.Anitha Janet Mary		1				2				-		-		-
8.	Mr.Tibbie Pon Symon		1				1				-		-		-
9.	Ms.V.S.Bin dhu		-				-				-		-		-
10.	Dr.K.Muthu vel		2				8				-		-		-
11.	Dr.X.Felix Joseph		2				9				-		-		-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Nil					

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
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1	H.Vennila	International Conference on Electronics, Communication and Aerospace Technology- RVS Technical Campus, Coimbatore.	Hybrid wind solar system for Efficient Power Generation	20,21,22 April 2017
2	Tibbie Pon Symon.V.A	International conference on interdisciplinary research in engineering, technology and management (ICIRETM)	A New Approach for the Reduction of Distribution Losses in Smart Grid	28 th and 29 th April 2017
3	Tibbie Pon Symon.V.A	International conference on interdisciplinary research in engineering, technology and management (ICIRETM)	Shunt Feedback method of Power Consumption Measurement for Microcontroller-Based Applications	28 th and 29 th April 2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.L.Ramesh	Guest lecturer	-	Energy Audit	NICHE/09-09-16
2	Mr. Ajith Ashok	Guest lecturer	-	PLC&SCADA	NICHE/28-03-17

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
		Nil		

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
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1	Ms.F. Shamila	Shunt Feedback method of Power Consumption Measurement for Microcontroller-Based Applications	International conference on interdisciplinary research in engineering, technology and management (ICIRETM)	1	8	
2.	Dr.J.Arul Linsely	Shunt Feedback method of	International conference on	1	8	
		Power Consumption Measurement for Microcontroller-Based Applications	interdisciplinary research in engineering, technology and management (ICIRETM)			
3.	Dr.H.Vennila	<p>Combined Economic and Emission dispatch with valve point effect using moth flame optimization algorithm</p> <p>Power quality improvement in distributed generation using custom power devices</p> <p>Improvement of power quality in Microgrids using predictive controller</p>	<p>International Journal of Mechanical Engineering</p> <p>International journal of Enterprise Network Management</p> <p>International Journal of Intelligent systems Technologies and Applications</p>	Paper accepted		

4.	Dr.M.P.Flower Queen	Epileptic Seizure Detection In EEG Using Improved Entropy Control And Stabilization Of An Inverted Pendulum Using Ga Based Controller	International Journal Of Advanced Research In Management, Architecture, Technology And Engineering International Journal of Mechanical Engineering and Technology	Vol. 3, Special 8	Issue 1, 8	February 2017. 748-756 2017
5.	Mr.Tibbie Pon Symon	Uncertainty-Aware Of Scheduling Unused Power in Grids To Reduce The Loss In Distribution System – A Review	Australian Journal of Basic and Applied Sciences	Volume 8, , ,	Issue 8	pp. 748–756 August 2017
6.		Improving Efficiency of Power Systems by Demand Side Management Method	International Journal of Electrical and Computer Engineering (IJECE)	2	8	2017, pp100-106
7.		Scheduling Unused Power in Grids by PSO to Reduce the Loss in Distribution System	International Journal of Control Theory and Applications	2	8	2017, Pp 1-9
8.		Control and Optimization of the Smart Grid by using Particle Swarm Optimization (PSO): To Reduce the Distribution Losses	International Journal of Engineering and Technology (IJET)	8	8	2017, pp 2931 - 36

		Reduction of Distribution Losses in Smart Grid Infrastructure by an Optimization Technique	International journal of mechanical engineering and technology(IJ MET)	2	4	2017, pp 857-865
		A New Approach for the Reduction of Distribution Losses in Smart Grid	International journal of mechanical engineering and technology(IJ MET)	8	8	2017
		Shunt Feedback method of Power Consumption Measurement for Microcontroller-Based Applications	International journal of mechanical engineering and technology(IJ MET)	8	8	2017
9.	Ms.S.Anitha Janet Mary	An Optimization Tuning Method for Multivariable PID Controller Using SA Algorithm for a MIMO Nonlinear System	<i>International Journal of Control Theory and Application</i>	10	(27),	pp. 261-268
10.	Ms.S.Anitha Janet Mary	Optimization of PID Controller for a Nonlinear MIMO System and Comparative Performance Analysis	<i>International Journal of Mechanical Engineering & Technology</i>	Volume 08,	Issue 6	
11.	Ms.V.S.Bindhu	A survey on control and communication of smart Micro grid	International journal of science and Technology	10	6	

12.	Dr.K.Muthuve I	Multi Objective congestion management in a Deregulated power system ith hybridMOPSO Algorithm with Facts devices	IJCTA	Paper Accepte d		
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9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	Nil				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength						Pass Percentage of outgoing batch		
		F	M		O C	BC	BCM	MBC/DNC		SC		SCA		ST	II		III		IV						
								M	F	M	F	M	F		M	F	M	F	M	F	M	F		M	F
	UG Programme	3	25	28	6	-	1	-	4	3	1	-	1	-	-	-	-	-	4	1	9	-	1	2	73%
	PG Courses	3	-	3	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%
	M.Phil. Programme																								
	Ph.D Programme																								
	Diploma / PG Diploma/ Certificate Courses (if any)																								
	Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

1	B.E /EEE	INDIAN	Kerala	17	3	20
2	M.E/Applied Electronics	INDIAN	Kerala	-	3	3

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	9	Male	1	Male				Male		-	
2	Female	2	Female	2	Female				Female	1	-	1

14. Fellowships Awarded (National/International) Faculty/Students Stipend

awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NICHE	RA	-	2	2

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	nil						
2	B.C.M.(State)	nil						
3	M.B.C./D.N.C.(State)	nil						
4	SC/SCA/ST(National)	nil						
5	SC/SCA/ST(State)	nil						
6	First Generation Free Education	nil						
7	Loan Scholarship	nil						
8	Others (Specify the name of the scholarship)	nil						
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App. 10	Pas -	App. 6	Pass 1	App. 10	Pas 8	App. 9	Pas 8	App. 15	Pas 10	App. 14	Pass 10	App. 15	Pas 11	App. 14	Pas 14

17. Placement Details:

Name of the Placement co-ordinator : Dr.K.Muthuvel			
Phone/Mobile Number : 9444146936 e-mail: er.muthuvel@gmail.com			
Number of Placement Programmes: 1			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	8	1
2	Number of Placements obtained through Campus Interview	8	1
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	61.5	50

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	J.Arul Linsely	Ph.D Awarded	NICHE
2	F.Shamila	Nil	
3	P.Sujatha Therese	Nil	
4	D.M.Mary Synthia Regis Prabha	Nil	
5	H.Vennila	Nil	
6	M.P.Flower Queen	Nil	
7	V.A.Tibbie Pon Simon	PhD Thesis Submitted	NICHE
8	S.Anitha Janet Mary	PhD Synopsis submitted	NICHE
9	V.S.Bindhu	Nil	
10	K.Muthu Vel	Nil	

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	M.V.Sreejith	Published a paper in Scopus indexed journal	International Journal of Mechanical Engineering and Technology
2	Aiswarya Lakshmi Sasidharan Nair	Published a paper in Scopus indexed	IEEE Digital Library
3	Aswathy Suresh	Published a paper in Scopus indexed journal	International Journal of Mechanical Engineering and Technology

**20. Department Meeting Held :
Programme Committee, Course Committee etc. BOS**

S.No	Name	Date	Venue
1.	Course Committee Programme Committee Etc.	5-08-16,27-08-16, 19-10-16 22-1-17,13-02-17, 18-3-17 13-7-16,22-8-16,23- 8-16 14-2-17,8-3-17,16- 3-17	
2.	BOS	11 th BOS- 06/02/2017 12 th BOS- 27/05/2017	EEE Smart Room

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
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		Nil		
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22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1009	7	No. of titles available	1009
2	Books added during the year 2015	123	8	No. of CDs and Digital Books available	15
3	No. of Indian Journals/ Magazines	15	9	No. of Foreign Magazines/Journals	Nil
4	No. of data bases available	4	10	No. of Online Journals	Nil
5	Average No. of students visiting the Library per day	10	11	Average No. of books Issued per day	10
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	Nil	12	Availability of Language Lab	No

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
	nil						

24. Collaborative Researches : Providing technical support for 130 KW solar plant at NIMS

Hospital

25. Consultancies : Continuous maintenance of 10KW solar electric plant at marine boys hostel of

NIU Campus

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices : NIL

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (2/10)	0.2
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (13/10)	1.3
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (3/10)	0.3
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (0/10)	0
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (5/10)	0.5
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (0/10)	0
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (41/31)	1.32
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1009/31)	32.54
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted(9/31)	0.29
2.4	Constructed area per student	Total constructed area / Total number of students (2550/31)	82.25
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (7/7)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (31/10)	3.1
3.3	Gender Ratio	Total number of female students / Total number of male students (6/31)	0.19
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (0/31)	nil
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (23/31)	0.74
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (0/31)	nil
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (11/15)	0.733
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	Rs.143000
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships (217000/31)	Rs.7000
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (18/31)	0.58
3.11	Research scholars' ratio	Total No. of M.Phil /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (32 /6)	5.3
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted (1/60)	0.016
4.2	Ratio of placements to students	Total no. of Placements / Total no. of outgoing students (9/15)	0.6
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of outgoing Students (5/15)	0.33

NAME OF THE DEPARTMENT: ELECTRONICS AND COMMUNICATION ENGINEERING

1. Department Details:

Name of the School	Faculty of Electrical and Electronics Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. J.Jayakumari, 9442408881, hellojayakumari@rediffmail.com
Year of Establishment	1989
Telephone Number	9442408881
Website / E mail	hellojayakumari@rediffmail.com

2. Details of Faculty Members:

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					teaching	Research	
1	Dr.J.JayaKumari	B.E,M.Tech,Ph.D	Professor & Head	Communication Systems	22	12	jayakumari@niuniv.com
2	Dr. R. S. Vinod Kumar	B.E,M.S, M.E, Ph.D	Associate Professor	Image Processing	24.4	12	rsvinodkumar@niuniv.com 9489823500
3	Dr. N. Santhi	B.E,M.E, Ph.D	Associate Professor	Image Processing	26.7	12	santhi@niuniv.com 9486085019
4	Dr. S. Amala Shanthi	B.E,M.E, Ph.D	Associate Professor	Image Processing	22.9	12	amalashanthi@niuniv.com 7598446730
5	Dr.G. Arockia Selva Saroja	B.E,M.E, Ph.D	Associate Professor	Image Processing & Adhoc networks	18.6	12	arockiaselvasaraja@niuniv.com 9443693268
6	Mr.T. Gopalakrishnan	B.E,M.E, Ph.D	Assistant Professor	Image Processing			gopalakrishnan@niuniv.com 9443508904
7	Dr. M. Sucharitha	B.E,M.E, Ph.D	Assistant Professor	Image Processing	14.10	6	sucharitha@niuniv.com
8	Ms. K. Chandrakala	B.E,M.E, Ph.D	Assistant Professor	Wireless Communication	9	2	chandrakala@niuniv.com 9600336295
9	Mrs.D. Shahi	B.E,M.E, Ph.D	Assistant Professor	Image Processing	10.6	1	shahi@niuniv.com 9487720557

10.	Dr. M. Mary Synthuja Jain Preetha	B.E,M.E, Ph.D	Assistant Professor	Image Processi ng	11	7	marysynthujainpreetha@niuniv.com 9940877271
11	Ms. M. Sony	B.E,M.E, Ph.D	Assistant Professor	Image Processi ng	8.6	1	sony@niuniv.com 9442059775
12	Dr. N. Subash	B.E,M.E, Ph.D	Assistant Professor	Image Processi ng	10.4	7	subash@niuniv.com 9486954777
13	Dr. S.V.Divya	B.E,M.E, Ph.D	Assistant Professor	Data Mining			divya@niuniv.com
14	Mr. K.P.Rajesh	B.E,M.E, Ph.D	Assistant Professor	Wireless Commu nication	6	6	rajesh@niuniv.com 9994188808
15	Dr. K.S.Vijula Grace	B.E,M.E, Ph.D	Assistant Professor	VLSI &Embee ded System	19.2	10	vijulagrace@niuniv.com 9789328789

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publication		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr.J.Jayakumari		5	14	40		82					4	8		10
2	Dr.N.Santhi		2	5	15		4	226	399						8
3	Dr.R.S.Vinod kumar		1		6		6	157	415						8
4	Dr.Amala Shanthi		1	1	7		2	159	326						1
5	Dr.G.Arockia Selva Saroja		1	1	5		6	177	334						
6	Prof.T.Gopalakrishnan		4		3		53	140	258						
7	Prof.M.Mary Synthuja Jain Preetha		2	3	7		53	163	323						4
8	M.Sony							153	184						
9	Dr.N.Subash		1		3		1	140	270						

10	Dr.M.Sucharitha		2	7	14		6	170	284						4
11	Rajesh.K.P							140	170						
12	Dr.K.S.Vijula Grace		1		5		1	143	325						4
13	Mrs.D. Shahi							140	166.5						
14	Mrs. K. Chandrakala							140	170						

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. N.Santhi	National Conference on Recent Trends and Developments in Mechanical Engineering	PCI Based Data Acquisition System using MATLAB	2016
3	Dr. J.Jayakumari	<u>Proceedings of 2016 Online International Conference on Green Engineering and Technologies, IC-GET 2016</u>	VLSI implementation of efficient coder for deep space communication	2016
4	Dr. G.Arockia Selva Saroja	IEEE International Conference on Green Engineering & Technologies	An efficient fuzzy map rule based FSO communication through turbulent atmosphere	2017
5	M. Mary Synthuja Jain Preetha	International Conference on Emerging Technological Trends (ICETT)	International Conference on Emerging Technological Trends (ICETT)	2016

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
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1	Er.Vijayakumaran Nair, General Manager (Rtd.)	BSNL	India	02.03.16	Guest- Symposium
2	Dr.S. Rajaram,, Associate Professor /	Thiyagarajar college of Engineering	India	18.03.16	Guest Lecture
	ECE,	Madurai			
3	Dr.T.Shanmuganathan. Associate Professor / ECE	Pondichery University, Pondichery	India	18.03.16	Guest Lecture
4	Ajish Ashok , Project Engineer	IPCS Automation	India	28.03.17	Guest Lecture
5	Mr. R.Prakash, Scientist,	CDAC, Trivandram	India	07.04.17	Guest- Symposium
6	Dr.. R. Malmathanraj, AP/ECE,	National Institute of Technology, Trichy	India	18.09.17	Guest Lecture
7	D. Hariharan , Associate Professor / ECE,	Thiyagarajar college of Engineering, Madurai	India	04.11.17	Guest Lecture

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1.	Dr. N. Santhi	Technical Reviewers	International Conference on Advances in Engineering and Applied Sciences		NICHE ,16 .12.2016 & 17 .12.2016
2.	Dr. S. Amala Shanthi	Technical Reviewers	IEEE international conference on control instrumentation communication and computational technologies		NICHE ,16 .12.2016 & 17 .12.2016
3.	Dr. N. Santhi	Technical chair person	IEEE international conference on control instrumentation communication and computational technologies		NICHE ,16 .12.2016 & 17 .12.2016
4.	Dr. R. S. Vinod Kumar	Technical chair person	IEEE international conference on control instrumentation communication and computational technologies		NICHE ,16 .12.2016 & 17 .12.2016
5.	Dr. R. S. Vinod Kumar	Technical Reviewers	IEEE international conference on control instrumentation communication and computational technologies		NICHE ,16 .12.2016 & 17 .12.2016

6.	Dr. N. Santhi	Technical chair person	International conference on Technical Innovations in Electrical, Electronics, Computer and Communications		NICHE 31.03.2017
7.	Dr. N. Santhi	Technical chair person	IEEE Student Branch STB-60881-Technical Extravaganza		NICHE ,04.04.17
8.	Dr. K. S. Vijula Grace	Technical chair person	IEEE Student Branch STB-60881-Technical Extravaganza		NICHE .04.04.17
9.	Dr. G. Arockia Selva Saroja	Technical chair person	IEEE Student Branch STB-60881 Technical Extravaganza		NICHE , 04.04.17

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1.	ECE Dept. Staff members	Workshop on Lab VIEW Programming	National Level	02.09.16 & 03.09.16
2.	ECE Dept. Staff members	16 th National Technical Symposium AVENIR-2K17	National Level	07.03.17
3.	ECE Dept. Staff members	Seminar on Digital Circuits and Design	-	18.09.17

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page (pp)
1	Dr.J.Jayakumari	Modified Texture based Intensity and Orientation constraint based region growing segmentation of 2D MR Brain Tumor Images	The international Arab journal of Information Technology	Vol. 13 No. 64	2016	

2	Dr.J.Jayakumari	A Brain abnormality detection and tissue segmentation technique by using Dual Mode Classifier	The international Arab journal of Information Technology	Vol. 13 No. 64	2016	
3	Dr.J.Jayakumari	FPGA implementation of Concatenated LT and LDPC coder for deep space Applications	Far East Journal of Electronics and Communications -ISSN 0973-7006	Vol. 17 No. 2	2017	409-422
4	Dr.J.Jayakumari	Distributed document clustering analysis based on a hybrid method	Chinna Communications-IEEE explorer ISSN 1673-5447	Vol 14 issue 2	2017	131-142
5	Dr.J.Jayakumari	Improved OFDM based speech scrambler for next generation mobile systems	Research Journal of Applied Sciences pISSN : 1815-932x eISSN : 1993-6079	Vol. 11 No. 5	2016	224-228
6	Dr.J.Jayakumari	An efficient radon mapped discrete wavelet transformbased algorithm for MC-CDMA system	International Journal of Enterprise Network Management p- ISSN: 1748-1252 e-ISSN: 1748-1260	Vol. 8 No. 2	2016	155-165
7	Dr.N.Santhi	A survey of control based remote sensing image	International journal of control theory and application ISSN 0974-5572	Vol 10 No: 27	2017	

8	Dr.N.Sanathi	Review of Dissimilar Techniques in the Platform of Content Based Image Retrieval Process	International Journal of Control Theory and Applications ISSN 0974-5572	Vol. 10, No.31	2017	405-418
9	Dr.N.Sanathi	Literature survey of various type of surface defect detection	International journal of control theory and application ISSN 0974-5572	Vol 10 NO: 27	2017	
10	Dr,M.Sucharitha	Automated intelligent high range lightening system	International journal of control theory and application ISSN 0974-5572	Vol 10 NO: 26	2017	

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community										Existing Students, Strength			Pass Percentage of outgoing batch						
		F	M		OC	BC	BCM	MBC/DNC	SC	SCA	ST	II	III	IV										
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		

UG Programme	04	10	14	-	2	-	3	1	5	1	2	-	-	-	-	-	-	12	2	8	3	9	6	91
PG Courses	01	-	01	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1						100
M.Phil. Programme																								
Ph.D Programme	06	03	09	-	1	3	4	-	1	-	-	-	-	-	-	-	-							
Diploma / PG Diploma/ Certificate Courses (if any)																								
Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	UG Programme	Indian	Kerala	3	2	5
2	P.G programme	Indian	Kerala	-	1	1
2	Ph.D Programme	Indian	Kerala	2	1	3

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
	B.E (ECE)	21	M.E	3				-	7	7

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	DST Inspire	JRF	-	2	2
2	Maulana Azad minority scholarship	JRF	1	1	2

15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	-	-	-	-	
2	B.C.M.(State)	-	-	-	-	-	-	
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	
4	SC/SCA/ST(National)	-	-	-	-	-	-	

5	SC/SCA/ST(State)	-	-	-	-	-	-	-	-
6	First Generation Free Education	-	-	-	-	-	-	-	-
7	Loan Scholarship	-	-	-	-	-	-	-	-
8	Others (Specify the name of the scholarship)	-	-	-	-	-	-	-	-
Total									

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1	B.E	12	06	14	5	10	03	10	07	15	10	15	11	23	17	23	21

17. Placement Details:

Name of the Placement co-ordinator : N.Subash			
Phone/Mobile Number : 9486954777		e-mail: kaavya19@ymail.com	
Number of Placement Programmes: 6			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	7	5
2	Number of Placements obtained through Campus Interview	7	5
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0.778	0.834

18. Outstanding achievements by the Faculty Members: I

S. No.	Name of the Faculty	Achievements	Agency
1	Dr.R.S.Vinod Kumar	Best Teacher award	SICT

19. Outstanding achievements by Students: Nil

S. No.	Name of the Student	Achievements	Agency
1			
2			

20. Department Meeting Held:

Programme Committee, Course Committee, etc.

S.No	Name	Date	
		2016-2017 (ODD)	2016-2017 (EVEN)
1	Programme Committe	20-07-2016	11-01-2017
		07-09-2016	30-03-2017
		19-10-2016	05-04-2017

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
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1	DSP LAB	ORCAD SOFTWARE	5 USER	PRACTICAL
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22. Extension activities carried out:

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Arduino UNO for Projects(Electronics Club)	S7 Students	4-11-2017	DSP Lab
2	Work With Circuits(Electronics Club)	S5 Students	27-9-2017	IC Lab
3	Digital Circuits using Digital ICs(Electronics Club)	S3 Students	18-9-2017	IC Lab

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1175	7	No. of titles available	
2	Books added during the year 2015		8	No. of CDs and Digital Books available	59
3	No. of Indian Journals/ Magazines	59	9	No. of Foreign Magazines/Journals	28
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	6	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 Mbps	12	Availability of Language Lab	13

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	LCD projector	SONY EPSON	1 1				

25. Collaborative Researches: Nil

26. Consultancies:

Sl.No	Name of the Organization	Name of Staff	Nature of work
	getting Benefited	providing Service	

27. No. of NET/SET/GATE/CSIR Qualified students: Nil

28. MOUs signed: Nil

29. Innovations and Best Practices:

INNOVATIONS

- Developed modules for NIUSAT
- Blended learning using ICT facility

- Webinars

BEST PRACTICES

- Student branch activities of Professional Bodies (IEEE &IEI)
- Electronics Club
- Co-curricular and extra curricular activities

SI.NO	Name	Title of the Program	Duration
1.	Dr.R.S.Vinod Kumar	Workshop on LABVIEW programming environment	02-09-2016 to 03- 09 - 2016
2.	Dr.K.S.Vijula Grace	Workshop on LABVIEW programming environment	02-09-2016 to 03-09-2016

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	0.2
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	0.67
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	0.27
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	3
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	0.27
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	0
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	0.5
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	1175/52=22.6
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	15/52=0.28
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	11/11
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	52/15=3.47
3.3	Gender Ratio	Total number of female students / Total number of male students ()	21/31=0.68
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	0
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	6/15=0.4
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	0
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	0.91
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	20/52=0.38
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	100
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	0.13

NAME OF THE DEPARTMENT: ELECTRONICS & INSTRUMENTATION ENGINEERING

1. Department Details :

Name of the School	Electronics & Instrumentation Engineering
Name of the HOD, Phone No. and E-mail ID	Dr. S. S. Kumar, 9789546665, kumarss@live.com
Year of Establishment	1997
Telephone Number	
Website / E mail	www.niueie.com/info@niueie.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.S.S.Kumar	M.E.Ph.D	Assoc. Professor	Applied Electronics	13	10	kumarss@live.com , 9789546665
2	R.Manju	M.E(Ph.D)	AP	Applied Electronics	10	8	manjuria.7@gmail.com , 9994104539
3	R.Sarath	M.E(.Ph.D)	AP	Applied Electronics	09	7	sarathraveendran@gmail.com/9443791259
4	D.Jackson	M.E	AP	Applied Electronics	14	10	niujackson@gmail.com ,
5	Dr. V. Amsaveni	M.E. Ph.D	AP	Applied Electronics	12	10	amsa@ymail.com , 9790653295
6	S. Felix Stephen	M.E (Ph.D)	A.P	Control & Instrumentation	9	7	felixstephensfs@ymail.com , 9486117668
7	S. BinuSathiya	M.E(.Ph.D)	AP	Applied Electronics	9	5	Katrina.sati@gmail.com ,
8	D.Menaka	M.E (PhD)	AP	Applied Electronics	11.6	8	menakaberita@gmail.com
9	J.NavisThinagar	M.E	AP	Control & Instrumentation	5.4	3	navis.thinagar@gmail.com 9962557742

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
	S.S.Kumar	8	8	9	278	132	173	250							8
	R.Manju	1	1			5	5	160							
	R.Sarath	2	2	1		3	6	160							
	D.Jackson							150							
	V. Amsaveni	1	1			5	9	150							
	S. Felix Stephen			3				195							
	S. BinuSathiya	1	1			10	14	150							
	D.Menaka	2	2	1		7	7	185							
	J.NavisThinagar							150							

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						

5. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	S. Felix Stephen	International Conference on Novel Issues and Challenges in Science and Engineering'16	Regulation of Voltage using STATCOM with Adaptive PI control	28 th and 29 th July 2016
2	D. Menaka	International Conference on Novel Issues and Challenges in Science and Engineering'16	Modified RVM based Land Cover Classification of Multispectral Satellite Images	28 th and 29 th July 2016
3	S. Felix Stephen	International Conference on Interdisciplinary Research in Engineering, Technology and Management	Voltage regulation using PI control of STATCOM with Firefly Algorithm	28 th and 29 th April 2017

b) **Foreign Faculty/Expert visit to the Department:**

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Dr. Salmah Karman, Professor	University of Malaysia	Malaysia	16 th and 17 th December 2016	International Conference

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	D.Jackson	Guest Lecture	Symposium	Recent Development in Electrical Engineering	7-9-2016 Kamaraj Polytechnic College, Pazhavilai
2	Dr.S.S. Kumar	Chair	International Conference	NICSE'16	Dept of CSE, NICHE, 29 th July 2016
		Chair	International Conference	ICIRETM 16	Dept. of MBA, NICHE, 28 th and 29 th April 2017

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Dr.S.S.Kumar	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
2	R.Manju	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
3	R.Sarath	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
4	D.Jackson	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016

5	Dr. V. Amsaveni	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
6	S. Felix Stephen	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
7	S. Binu Sathiya	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
8	D.Menaka	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016
9	J.Navis Thinagar	International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 2016	International	16 th and 17 th Dec 2016

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	S.S. Kumar, Ezhil E. Nithila	Lung cancer diagnosis from CT images using CAD system: a review	International Journal of Biomedical Engineering and Technology / 1752-6418	Volume 21, Issue 4	2016	311-321
2.	S.S. Kumar, M. Anisha, M. Benisha	Recognition and eradication of prime artefact from the abdominal electrocardiogram	International Journal of Biomedical Engineering and Technology / 1752-6418	Volume 20, Issue 4	2016	312-329
3.	Devi Devapal, S. S. Kumar	Comparison Of Transform Domain Based SAR Despeckling Techniques	Indian Journal Of Science and Technology, ISSN : 0974-6846	Vol 9(13),	2016	001-006

4.	S.S. Kumar, Ezhil E. Nithila	Segmentation of lung nodule in CT data using active contour model and Fuzzy C-mean clustering	Alexandria Engineering Journal	Volume 55, Issue 3	2016	2583–2588
5.	S. Felix Stephen, Dr. I. Jacob Raglend	A Review on PI control of STATCOM for voltage regulation	Journal of Chemical and Pharmaceutical Sciences / 0974-2115	Volume 9 Issue 1	2016	334-340
6.	Nithila EE, Kumar SS	Automatic detection of solitary pulmonary nodules using swarm intelligence optimized neural networks on CT images	Engineering science and technology, an international journal ISSN: 2215-0986	1;20(3):1	2017	192-202
7.	Devi Devapal, S.S.Kumar, Christy Jojy	A Novel Approach Of Despeckling SAR Images Using Nonlocal Means Filtering	Journal of Indian Society Of Remote Sensing, ISSN : ISSN 0255-660X	June 2017, Vol 45, Issue 3	2017	443-450
8.	Anisha M, Kumar S.S, Benisha M	Separation of Fetal ECG from Composite Abdominal ECG	International Journal of Pure and Applied Mathematics, ISSN online:1314-3395, ISSN print: 1311-8080		2017	
9.	Anisha M, Kumar S.S, Benisha M	A Novel Classification Approach to Detect the Presence of Fetal Cardiac Anomaly From Fetal Electrocardiogram	International Journal of Biomedical Engineering and Technology, ISSN online: 1752-6426, ISSN print: 1752-6418		2017	
10	S. Felix Stephen, Dr. I. Jacob Raglend	Regulation of Voltage using STATCOM with Adaptive PI control	International Journal of Control Theory & Applications	Volume 10 Issue 27	2017	305-316
11	S. Felix Stephen, Dr. I. Jacob Raglend	Voltage regulation using PI control of STATCOM with Firefly Algorithm	International Journal of Mechanical Engineering & Technology	Volume 8 Issue 8	2017	766-776
12	Menaka.D, Padma Suresh.L	Modified RVM based Land Cover Classification of Multispectral Satellite Images	International Journal of Control Theory & Applications	Vol.10, Issue 3	2017	139-147

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2015-16		Total	Community												Existing Students, Strength						Pass Percentage of outgoing batch	
		F	M		OC	BC		BCM		BC/DNC		SC		SCA		ST		II		III		IV		
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F
1	UG Programme	4	36	40	1	3	3			1	1							8	2	2	1	2	7	100%
2	PG Courses		8	8		8												1						-
	M.Phil. Programme																							
	Ph.D Programme	1		1																				
	Diploma / PG Diploma/ Certificate Courses (if any)																							
	Total	5	44	49	1	4	3			1	1							9	2	2	1	2	7	

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.E. (EIE)	Indian	Kerala	27	-	27
2	M.E (C&I)	Indian	Kerala	6	-	6

3	Ph.(EIE)	Indian	Kerala	1	1
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13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	7	Male	-	Male				Male		1	
2	Female		Female		Female				Female		1	

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s
1	B.E – EIE	-	-	13	02	11	09	12	04	22	07	21	06	07	03	07	07
2	M.E – CIE	07	04	06	04	--	--	01	01	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator: : J.NavisThinagar			
Phone/Mobile Number :9962557742	e-mail:navis.thinagar@gmail.com		
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	7	-
2	Number of Placements obtained through Campus Interview	7	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	100%	-

18. Outstanding achievements by the Faculty Members:|

S. No.	Name of the Faculty	Achievements	Agency
1	Dr. S. S. Kumar	Outstanding Reviewer	The Editors of COMPUTERS AND ELECTRICAL ENGINEERING, Elsevier

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			

**20. Department Meeting Held :
Programe Committee, Course Committee etc. BOS**

S.No	Name	Date	
1.	Programme Committee BOS Department Meeting	27/10/17,11/9/17,28/7/17 06/05/16,07/02/17 19/05/2016, 18/7/2016, 21/10/2016, 3/1/2017, 28/3/2017, 17/5/2017	

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	100 % voting awareness programme	Public	12 th April 2016	Marunthukottai
2	Swaatch Bharat Programme	Office	3 rd Feb 2017	Thaluk Office
3	Human Chain programme		21 st July 2016	National Highway 47

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1130	7	No. of titles available	15
2	Books added during the year 2015	130	8	No. of CDs and Digital Books available	10
3	No. of Indian Journals/ Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	10	11	Average No. of books Issued per day	5

6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	No
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24. Information and Communication Technology Resources:

S.N o.	Name of the Equipment	Specifications	Nos.	S.N o.	Name of the Equipment	Specifications	Nos.
1	Computer	Pentium Dual Core	4	7	Network	Ethernet	6
		Pentium D	15				
		Lenovo I3	3				
2	Laptops	Pentium Dual Core	1	8	Fax		-
3	Printer		-	9	Smart Class		1
4	LCD Projector		1	10	Software/ Data base		-
5	Net Connection Wi-Fi: Wired:	Wired	6	11	Others		
6	Scanner		-				

24. Collaborative Researches :

25. Consultancies :

26. No. of NET/SET/GATE/CSIR Qualified students:

27. MOUs signed :

28. Innovations and Best Practices :

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff(1/9)	0.11
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (12/9)	1.33
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (3/9)	0.33
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (9/9)	1
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (21/56)	0.4
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1130/49)	23.06
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1.12
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (49/9)	5.44
3.3	Gender Ratio	Total number of female students / Total number of male students (5/44)	0.11
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	0.612
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (7/7)	1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	0.11
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (7/7)	1
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

NAME OF THE DEPARTMENT: INFORMATION TECHNOLOGY

1. Department Details :

Name of the School	Faculty of Information and Computer Engineering	
Name of the HOD, Phone No. and E-mail ID	Dr.R.Mathusoothana S. Kumar	
Year of Establishment	1998	
Telephone Number	9486856119	
Website / E mail	rmssk@niuniv.com	
Special Status : (if any)	AICTE Approved	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualifi-cation	Designa tion	Special isation	Experience in years		E-mail ID &Phone/Cell Phone No.
					Teaching	Research	
1	Mr.Subramoni a lyer	B.Sc.,M.Sc.,L. L.B	Professor	Cyber Forensi cs and Securit y	4 Years	-	Arsiyer1951@gmail.com 9447575576
2	Dr.R.Mathuso othana.S.Kum ar	B.E.,M.E.,Ph. D	Associat e Professo r & Head	Image Proces sing	20.10 Years	10 Year s	rmsskdhuja@gmail.com 9486856119
3	Dr.S.Maria Celestin Vigila	B.E.,M.E.,Ph. D	Associate Professor	Data Securit y	20.10 Years	8 Year s	celesleon@yahoo.com 9442150033
4	Dr.N.Sugitha	B.E.,M.E.,Ph. D	Associate Professor	Image Proces sing	16.6	1.2 Year s	sugi_vi@yahoo.com 9442077420
5	Dr.S.Palaniku mar	B.E.,M.E.,Ph. D	Associate Professor	Digital Image and Signal Proces sing	15 Years	8 Year s	palanikumarcsc@yahoo.com 9445522700
6	Dr.V.Mary Amala Bai	B.E.,M.E.,Ph. D	Assistant Professor	Data Mining	14.1 Years	2 Year	mamalas@gmail.com 7502869501
7	Ms.Y.Jeyashe ela	B.E.,M.E.,(Ph. D)	Assistant Professor	Image Proces sing	10.11 Years	-	minisheela@ymail.com 9566424865

8	Dr.T.Brindha	B.E.,M.E.,Ph. D	Assistant Professor	Cloud Security	9 Years	1 Year	brindhahere@yahoo.com 9677508835
9	Ms.M.B.Jeya Lekshmi	B.E.,M.E.,(Ph. D)	Assistant Professor	Cloud Security	9 Years	-	mbjaya2k5@gmail.com 9486795892
10	Dr.K.Siva Sankar	B.E.,M.E.,Ph. D., MBA	Assistant Professor	System Software	8 Years		kasiva80@gmail.com , 944222
11	Ms.T.V.Sindia	B.Tech.,M.Tec h., (Ph.D)	Assistant Professor	Cloud Security	8 Years	-	sindiatv@gmail.com 9442332616
12	Ms.Arya Sreedhar	B.Tech.,M.E	Assistant Professor	Cyber Security		-	aryasreedhar2008@gmail.com 9995333792

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1.	Subramoniaiyer	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2.	R.Mathusothana S. Kumar	1	3	2	8	6	13	98		-	-	-	-	-	06
3.	S. Maria Celestin Vigila	04	04	02	13	35	35	97		Nil	01	Nil	Nil	01	06
4.	N.Sugitha	2	-	-	2	5	5	58		-	-	-	-	01	05
5.	S.Palanikumar	1	6	2	25	14	114	98	-	-	-	-	-	-	5
6.	V. Mary Amala Bai	2	2	1	4	10	10	81		-	-	-	-	-	3
7.	Y.Jeyashe	-	01	-	02	-	03	65	-	-	-	-	-	-	-

	ela							.2 7							
8.	T. Brindha	1	1	4	5	0	6	20 0	349	-	-	-	-	-	-
9.	M.B. Jayaleksh mi	-	1	1	2	-	4	58 .8							
10.	K.SivaSan kar	2	2	5	28	8	8	78	-	-	-	-	-	-	-
11.	T. V. Sindia	ni l	nil	2	3			57		Ni l		Nil		Nil	nil
12.	Ms.Arya Sreedhar	Ni l	Nil	Ni l	Nil	Ni l	Nil	Nil	Nil	Ni l	Nil	Nil	Nil	Nil	Nil

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Dr. R.Mathusoot hana S. Kumar	DST	Fund for Improvement of S&T Infrastructure			Proposal Submitted (May 2017)

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.R.MathuSoothana.S.Kumar	International Conference on Computing Technologies (ICONCT)	Fault Detection Method for Steam Boiler Tube Leakage in Thermal Power Stations using Data Mining	March 2017
		International Conference on Computing Technologies (ICONCT)	Detection of Degenerative Lumbar IVD by Fusing Connected Component Algorithm	March 2017

			and Region Growing Approach	
2	Dr.S.Maria Celestin Vigila	International Conference on Innovations in Information Embedded and Communication Systems	A Varied Approach to Attribute Based Access Model for Secure Storage in Cloud	March 2017
		International Conference on Computing Technologies (ICONCT)	Continuous Feature Selection Approaches for Identifying Highly Expressed Genes	March 2017
		International Conference on Computing Technologies (ICONCT)	Machine Learning based Classifiers for Detecting Intrusion	March 2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	--	--	--	--	--
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
		Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies	NICHE, 16 th & 17 th December 2016.

1.	Dr.R.Mathusoothana.S. Kumar	Conference Chair	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th & 17 th December 2016.
				International	Mepco Schlenk
		Technical Reviewer	International Conference	Conference on Computing Technologies.	Engg.College, 16 th & 17 th March 2017.
		Technical Reviewer	International Conference	International Conference on Intelligent Computing, Instrumentation and Control Technologies.	Vimal Jyothi Engg.College, 6 th & 7 th July 2017.
2	Dr.R.S.Shaji	Chair Person	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies	NICHE, 16 th & 17 th December, 2016
		Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies	NICHE, 16 th & 17 th December, 2016
		Resource Person	Invited Lecture	Recent Trends in Network Security	College of Engineering Kidangoor, Kerala, March, 2017.
				Network Security for Internet of Things	Pioneer Kumarasamy College of Arts and Science, Nagercoil, January 2017.
3.	Dr.S.Maria Celestin Vigila	Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th & 17 th December 2016.
		Conference Chair	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th & 17 th December 2016.

		Technical Reviewer	International Conference	International Conference on Computing Technologies.	Mepco Schlenk Engg.College, 16 th &17 th March 2017.
		Technical Reviewer	International Conference	International Conference on Intelligent Computing, Instrumentation and Control Technologies.	Vimal Jyothi Engg.College, 6 th &7 th July 2017.
4	Dr.N.Sugitha	Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
		Conference Chair	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
5.	Dr.S.PalaniKumar	Conference Chair	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
		Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
		Technical Reviewer	International Conference	International Conference on Big Data and Cloud Computing (ICBDCC2017),	KarunyaUniversity, Karunya Nagar, Coimbatore.1 st and 2 nd April 2017.
		Resource Person	Seminar	Ethical Hacking	Noorul Islam College of Arts and Science, Kumaracoil, Thuckalay,K.K..Dist .,629180. 06-02-2017

		Judge	Symposium	TECH FEST 2017	St.Xaviers Catholic College of Engineering, Chunkankadai.8 th Febraury,2017
		Resource Person	Workshop	ADVANCED JAVA PHASE I	Department of IT, Noorul Islam Centre for Higher Education, Kumaracoil. March 16 th and 17 th 2017
6.	Dr.V.Mary Amala Bai	Technical Reviewer	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
		Conference Chair	International Conference	International Conference on Control Instrumentation, Communication and Computational Technologies.	NICHE, 16 th &17 th December 2016.
7.	Ms.Y.Jeya Sheela	Resource Person	Invited lecture	Data Structures	Cape Institute of Technology, 28 th Sept 2016

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/Workshop/Symposia, etc. Organized	State/National/International Level	Period
1	Dr.R.Mathusoothana S Kumar	Workshop on Latest Web Technologies	National	05.10.16
2	Dr.S.Palanikumar	Workshop on Advanced JAVA Phase-I	National	16.03.17 - 17.03.17

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
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1	Mohamed Shameem P, Nimmy Johnson, SHAJI R.S and Arun E	An effective resource management in cloud computing	International Journal of communication networks and distributed systems, ISSN online: 1754-3924		2017	
2	Brindha.T and R.S.SHAJI	An Efficient Framework for Providing Secured Transaction of Data in Cloud Environment	Indian Journal of Science and Technology, ISSN: 0974-5645		2016	
3	Sabarish K and R.S.SHAJI	DAM Alerts” EM-Powering Farmers with Irrigation Information and Flood Alerts	Indian Journal of Science and Technology, ISSN: 0974-5645		2016	
4	Brindha.T and R.S.SHAJI	A secure transaction of cloud data using conditional source trust attribute encryption mechanism	Soft Computing, ISSN online: 1433-7479		July 2016	
5	R S Shaji	An Analytical Implementation of Queue based scheduling model for Body Area Network signals	Advances in wireless and mobile communication ISSN 0973-6972		2017	
6	R S Shaji	A High Recognition System for Providing Security To The Fingerprint Template	International journal of advanced research trends in engineering and technology ISSN: 2394-3785		2017	

7	Leena Silvester and Mathusoothana S Kumar	Efficient Identification Of Desiccated Lumbar IVD from MRI	Emerging Technologies In Networking And Security (ETNS): IIOAB Journal, ISSN No.: 0976-3104	Vol. 7 (9)	August 2016	Pp. 26 – 33
8	Arun, Mathusoothana S. Kumar and Bijukumar	A Novel Algorithm for Shadow Detection and Reconstruction in High-Resolution Satellite Images	Emerging Technologies in Networking and Security (ETNS): IIOAB Journal ISSN No.: 0976-3104	Vol. 7 (9)	August 2016	Pp. 40 - 46
9	C. Anitha and R. Mathusoothana S. Kumar	A Critical Review on Low Light Video Enhancement	International Journal of Recent Engineering Research and Development, ISSN No.: 2455- 8761	Vol. 2(4)	April 2017	pp. 98-103
10	J. Jeiya Shivaani and R. Mathusoothana S. Kumar	Automatic Detection of Vehicle Number Plate Using Intelligent Template Matching	International Journal of Control Theory and Applications, ISSN No. 0974-5572	Vol. 10(27)	May 2017	pp. 133-139
11	Sammy F. and Maria Celestin Vigila, S	A Survey on CIA Triad for Cloud Storage Services	International Journal of Control Theory and Applications, ISSN No. 0974-5572	Vol.9, No.14	2016	pp.6701-6709
12	Joneston Dhas J.L., Maria Celestin Vigila, S. and Ezhil Star C.	A Framework on Security and Privacy-Preserving for Storage of Health Information Using Big Data	International Journal of Control Theory and Applications, ISSN No. 0974-5572	Vol.10, No.03	2017	pp. 91-100

13	Gopalakrishnan T, Rajeesh J, Palanikumar S, and Narasimhan K	Automated analysis of Histopathology images for cancer diagnosis – A review	Research Journal of Pharmaceutical, Biological and Chemical Sciences, ISSN-0975-8585	Vol. 8, No. 1	2017	pp. 1381 - 1386
14	V. Mary Amala Bai and D. Manimegalai	Analysis of feature selection measures for text categorization	International Journal of Enterprise Network Management	Vol. 8, No. 1	2017	pp. 45-60
15	Brindha.T and R.S.Shaji	A Secure Transaction of Cloud Data using Conditional Source Trust Attributes Encryption Mechanism	Soft Computing, , ISSN: 1432-7643		2016	
16	M.B.Jayalekshmi, Dr.S.H.Krishnaveni	TSS – Twin Layered Security Scheme for Cloud Storage to Preserve Data Integrity	International Journal of Intelligent Engineering and Systems, ISSN No. 2185-3118	Vol.10, No.3	2017	
17	K. Siva Sankar and Venish	HIDE - Heuristics Based Inline Data Deduplication for Cloud Storage	Transylvania n Review, ISSN: 1221-1249	Vol.24, No.7	2016	pp.974-981
18	Vadivu Vijayaraghavan and Dr.K.Siva Sankar	SuVa Security Framework for Cloud Migration	International Journal of Control Theory and Applications, ISSN No. 0974-5572	Vol.10	2017	
19	T.V. Sindia and Julia Punitha Malar Dhas	SDN Based DDoS Attack Detection and Mitigation in Cloud	International Journal of Control Theory and Applications, ISSN No. 0974-5572	Vol.10, No. 3	2017	pp. 39-47

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
Nil					

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Dr. K.Siva Sankar Ms. M.B.Jayalekshmi Ms. T.V.Sindia	Computing and Programming, pp. 1-198 ISBN: 978-9384295-07-3	R.K.Publishers, India	2017

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch					
		F	M		O C	BC	BCM		MBC/DNC		SC		SCA		ST	II		III			IV				
							M	F	M	F	M	F	M	F		M	F	M	F			M	F	M	F
	UG Programme	0	4	4	0	0	3	0	1	0	0	0	0	0	0	0	0	0	2	0	6	1	4	4	71.4
	PG Courses	Nil	Nil																						
	M.Phil. Programme	Nil	Nil																						
	Ph.D Programme	Nil	Nil																						
	Diploma / PG Diploma/ Certificate Courses (if any)	Nil	Nil																						
	Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
Nil						

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
Nil												

14. Fellowships Awarded (National/International) Faculty/Students Stipend

awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	Nil				
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)		1					25000
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total	0	1	0	0	0	0	25000

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s
1.	B.Tech IT	4	3	3	3	2	0	2	0	7	1	7	5	8	7	7	6

17. Placement Details:

Name of the Placement co-ordinator : Ms. T.V. Sindia			
Phone/Mobile Number : 9442332616e-mail:sindiatv@gmail.com			
Number of Placement Programmes:1			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	2	3
2	Number of Placements obtained through Campus Interview	3	nil
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	3/4	3/4

18. Outstanding achievements by the Faculty Members: |

S. No.	Name of the Faculty	Achievements	Agency
1	Dr. R.Mathusoothana S. Kumar	Scopus publication	
2	Dr. S. Maria Celestin Vigila	Scopus publication	
3	Dr. N. Sugitha	Scopus publication	
4	Dr. S. Palanikumar	Scopus publication	
5	Dr. K. Sivasankar	Scopus publication	

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Auston Ajith	Participation in grand finale of SMART INDIA HACKATHON '17	New Delhi Institute of Management
2	Abilash Nair	Participation in grand finale of SMART INDIA HACKATHON '17	New Delhi Institute of Management
3	Shrinav Sunil	Participation in grand finale of SMART INDIA HACKATHON '17	New Delhi Institute of Management

**20. Department Meeting Held :
Programme Committee, Course Committee etc. BOS**

S.No	Name	Date
1	Department Meeting	13-7-2016
2		30-8-2016
3		30-9-2016
4		27-10-2016
5		30-11-2016
6		05-01-2017
7		27-02-2017
8		30-3-2017
9		28-4-2017

S.No	Name	Date	
1.	Programme Committee (UG)	23/08/2016	I meeting
		04/10/2016	II meeting
		09/11/2016	III meeting
2	Class Committee –S3 IT (UG)	18/08/2016	I meeting
		27/09/2016	II meeting
		08/11/2016	III meeting
3	Class Committee –S5 IT (UG)	20/08/2016	I meeting
		05/10/2016	II meeting
		11/11/2016	III meeting
4	Class Committee –S7 IT (UG)	17/08/2016	I meeting
		14/10/2016	II meeting
		10/11/2016	III meeting

Course Committee			
5	IT1217- Fundamentals of Data Structures and Algorithms	05/08/2016	I meeting
		01/09/2016	II meeting
		20/10/2016	III meeting
6	MS1202 -Professional and Business Ethics	11/08/2016	I meeting
		09/09/2016	II meeting
		25/10/2016	III meeting
7	CS1101 - Fundamentals of Computing and Programming	16/08/2016	I meeting
		14/10/2016	II meeting
		09/11/2016	III meeting

BOS

S.No	Name	Date	
1.	XI –BOS Meeting	07/02/2017	Finalizing examiners panel for theo and Practical examinations
			Finalizing subject list for question paper setting
			Analyzing previous semester question papers.
			Analyzing the queries raised in clas committee/ program committee meetings regarding curriculum, syllabus and question papers.
			Revision of curriculum structure for B.E/B.Tech and M.E/M.Tech programmes
			Inclusion of NCC as an intramural course and other related matters.
2	XII – BOS Meeting	29/05/2017	Finalizing curriculum for B.Tech IT
			Finalizing curriculum and syllabus for M.E.cyber security and M.E. Software Engineering

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/ Others	Quantity	Purpose Research/Practical
1	IT Lab I	Computer	71	Practical and Research
2	IT Lab II	Computer	36	Practical
3	Cyber Security Lab	Computer	10	Practical
4	Cyber Security Lab	Software (Netforce suite, CDR Analyser, Sim Xtractor, Cyber Check, Mobile Check, WinLiFT, Truelmager)	15	Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Swachh Bharath Mission	Thaluk Office	Feb 3 rd 2017	Thaluk Office, Thuckalay
2	Seminar on E-Waste Processing	Staff members and students	11-7-2017	Smart Room, Dept. of IT, NICHE

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1177	7	No. of titles available	75
2	Books added during the year 2015	04	8	No. of CDs and Digital Books available	50
3	No. of Indian Journals/ Magazines	4	9	No. of Foreign Magazines/Journals	1
4	No. of data bases available	5	10	No. of Online Journals	Nil
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	5
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)	1 Gbps	12	Availability of Language Lab	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	Pentium 4 Pentium D2 Lenova I3	39 63 05	7	Network	Wired LAN	2
2	Laptops	Lenovo B5080 i3/2GB/500GB HDD/15.6"	1	8	Fax	Nil	Nil
3	Printer	Dot matrix Inkjet	1 7	9	Smart Class	LCD Projector, Star Board Ahuja Speaker Amplifier Studio Master Collar mic Han held mic	1 1 1 1 1 1
		HCL	1			Netforce suite, CDR Analyser,	1 1

4	LCD Projector	Epson Sony	1 1	10	Software/ Data base	Sim Xtractor, Cyber Check, Mobile Check, WinLiFT, Truelmager	5 2 2 3 1
5	Net Connection Wi-Fi: Wired:	wired	107	11	Others	Nil	Nil
6	Scanner	HP	1				

24. Collaborative Researches : Nil

25. Consultancies :

Sl.No	client	Nature of work	Amount	Year
1	Vithul Engineering 85B/11,S.M.Puram, 3 rd Cross Street, Tuticorin-628003	Billing software for powder coating systems	7,500	2016-17

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices :

Innovations:

- Incorporation of industry based curriculum.
- Research based projects are given to students, both for UG and PG.
- Creative and case study based assignments are given to students.
- Students are made to participate in unique initiatives like *Smart India Hackathon*, to identify innovations using digital technology for solving the challenges.
- Students are made to present papers in conferences and publish papers in reputed journals.

Best Practices:

- Lab equipped with LCD monitors in place of CRT monitors.
- Special coaching for slow learners.
- Usage of information and communication technologies (ICT) in teaching and learning processes.
- Daily attendance is posted in centralized software and defaulters warned periodically.

29. Others

Sl.NO	Name	Title of the Program	Duration
1.	Dr.Maria Celestin Vigila	Advanced Java Phase-I (Workshop)	16/03/2017 to 17/03/2017
2.	Dr.N.Sugitha	Advanced Java Phase-I (Workshop)	16/03/2017 to

			17/03/2017
3.	Dr.T.Brindha	Advanced Java Phase-I (Workshop)	16/03/2017 to 17/03/2017
4.	Ms.M.B.Jayalekshmi	Advanced Java Phase-I (Workshop)	16/03/2017 to 17/03/2017
5.	Ms.T.Sindia	Advanced Java Phase-I (Workshop)	16/03/2017 to 17/03/2017
6.	Dr.S.Palanikumar	Web Designing & Scripting	14/11/2016 to 18/11/2016
7.	Dr.S.Palanikumar	Database Design and Programming with SQL(FDP)	2/12/2016

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (2/12)	1:6
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (19/12)	1.6 :1
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (30/12)	2.5 : 1
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (1/12)	1:12
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (11/12)	11 : 12
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	Nil
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (107/17)	6.3 : 1
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1134/17)	66.7 : 1
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (2/17)	1 : 8.5
2.4	Constructed area per student	Total constructed area / Total number of students (1272.30 meter sq. ft / 210)	5.30 meter sq.feet
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (8/4)	2:1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (17/12)	17:12
3.3	Gender Ratio	Total number of female students / Total number of male students (5/12)	5:12
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (0/17)	0:17
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (3/17)	3:17
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (0/17)	0:17
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (0/2+2/7+5/7=7/14)	1:2
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	3,95,648
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships 25000/1	25,000
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (10/17)	10 : 17
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (171/ 0)	171 : 0
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2016 – 2017	Number of dropouts / Number of students admitted (0/17)	0:17
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (6/7)	6:7
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students (7/7)	1:1

NAME OF THE DEPARTMENT: MARINE ENGINEERING

1. Department Details:

Name of the School	Marine Engineering
Name of the HOD, Phone No. and E-mail ID	S. John Leon, 9443606221, sjohnleon@gmail.com
Year of Establishment	2008
Telephone Number	04651-256944
Website / E mail	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Prof. S. Mohana Das	B.E. (Mech) MEO Class-I (M)	Professor	Marine	37		mohandas2010@ymail.com & 9443845461
2	Prof. S. John Leon	M.E.	Associate Professor	Thermal	24.5		sjohnleon@gmail.com&9442256106
3	Prof. J. Jesin Jude Leonard	B.E. (Mech) MEO Class-I (M)	Assistant Professor	Marine Auxiliary Machines	15.8		jesinjude.leonard@gmail.com & 9442644908
4	Prof. R. Venugopala Pillai	Graduated from Indian Navy MEO Class-I (M)	Assistant Professor	Marine IC Engines	50		surveyvvp@gmail.com & 9567590624
5	Prof. Captain S. Vijayan Pillai	MBA (Marketing) Foreign going Master Mariner	Assistant Professor	Navigation	35		svpillai8@gmail.com & 09447873514
6	Prof. V. K. Jebasingh	Ph.D.,	Assistant Professor	Renewable Energy	7	2.5	jebasingh.vk@gmail.com & 94488500504

7	Prof. K. S Jai Aultrin	Ph.D.,	Assistant Professor	Manufacturing Engineering	8.5	2	aultrin2010@gmail.com & 7598236159
8	Prof. A. K Ratheesh	M.E.	Assistant Professor	Thermal	10.6		akrathe@yahoo.com & 9600277105
9	Prof. U. N. Neela Prasad	M.Tech.	Assistant Professor	Naval Architecture	6.5		prasadmariner77@yahoo.com & 9994564994
10	Prof. N. Devabalan Nair	Graduated from Indian Navy	Assistant Professor	Radar Controlling	42.4		
11	Mr. P. Raghuvaran	Graduated from Indian Navy	Instructor	Radar Plotting	27.7		raghuvaran.para swaran@gmail.com & 9442303347
12	Mr. Jenish Thomas	B.E. (Marine), Class-IV	Assistant Professor	Marine	1.5		9442953213
13	Mr. C. Anito Jerome	B.E. (Marine), Class-IV	Assistant Professor	Marine	1.5		9791356776
14	Mr. Vishnu	M.Tech.	Assistant Professor	Naval Architecture	0.6		vishnush1990@gmail.com & 9746925009

3. Faculty Members Achievements /Performance:

S. No	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Prof. V. K. Jebasingh	16-17	2		--						--		--		1
2	Prof. K. S Jai Aultrin	16-17	2		1						--		--		2

4. Research Schemes/Projects undertaken:

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	

1	Nil
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5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Nil	Nil	Nil	Nil
2				

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc.:

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Nil				

7. Details of Seminars, Conferences and Refresher courses Organized:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
	Nil			

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	K.S. Jai Aultrin	Multi Response Prediction of Machining Process Parameters Using Artificial Neural Network.	International Journal of Mechanical Engineering and Technology, ISSN: 0976-6359	Volume 8, Issue 5,	May 2017	Pages 866-876

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	Nil				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Nil			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength			Pass Percentage of outgoing batch					
		F	M		O	C	BC		BCM		MBC/DNC		SC		SCA		ST	II			III		IV		
							M	F	M	F	M	F	M	F	M	F		M	F		M	F		M	F
	UG Programme	--	8	8	2	5			1								-						100		
	PG Courses	NA																							
	M.Phil. Programme																								
	Ph.D Programme																								
	Diploma / PG Diploma/ Certificate Courses (if any)																								
	Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	BE- Marine	Indian	Rajasthan	2	---	2
2	BE- Marine	Indian	Bihar	1	---	1
3	BE- Marine	Indian	Kerala	1	---	1
4	BE- Marine	Indian	Uttar Pradesh	1	---	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
1	7	7	Nil		Nil			Nil		

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	

1	Nil			
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15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pa ss	App	Pa ss
1	BE	8	7	8	4	21	16	21	16	11	6	11	7	7	7	7	7

17. Placement Details:

Name of the Placement co-ordinator : K. S Jai Aultrin			
Phone/Mobile Number : 7598236159		e-mail: staridirf@yahoo.com	
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	3	1
2	Number of Placements obtained through Campus Interview	Nil	
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	3/5	1/1

18. Outstanding achievements by the Faculty Members: Nil

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students: Nil

S. No.	Name of the Student	Achievements	Agency
1			

20. Department Meeting Held:

Programme Committee, Course Committee etc. BOS

S.No	Name	Date
1	Programme Committee First (Odd)	18-07-2016

2	Programme Committee Second(Odd)	03-09-2016	
3	Programme Committee Third(Odd)	26-10-2016	
4	Programme Committee First (Even)	27-01-2017	
5	Programme Committee Second (Even)	01-03-2017	
6	Programme Committee Third (Even)	20-04-2017	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
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22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	815	7	No. of titles available	24
2	Books added during the year 2015	50	8	No. of CDs and Digital Books available	70
3	No. of Indian Journals/ Magazines	405	9	No. of Foreign Magazines/Journals	NIL
4	No. of data bases available	NIL	10	No. of Online Journals	NIL
5	Average No. of students visiting the Library per day	08	11	Average No. of books Issued per day	02
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	NIL	12	Availability of Language Lab	NIL

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches : Nil

25. Consultancies : Nil

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices :

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (4/14)	1/3.5
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	1/14
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	Nil
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	Nil
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	Nil
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	Nil
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	Nil
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	354/52
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (8/8)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/14)	52/14
3.3	Gender Ratio	Total number of female students / Total number of male students (0/52)	0/52
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (0/8)	0/8
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (5/8)	5/8
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (0/8)	0/8
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (7/7)	1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	Nil
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	Nil
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	Nil
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	Nil
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	Nil

NAME OF THE DEPARTMENT: FACULTY OF MANAGEMENT STUDIES

1. Department Details:

Name of the School	FACULTY OF MANAGEMENT STUDIES
Name of the HOD, Phone No. and E-mail ID	Dr. D. Kinslin
Year of Establishment	1993-1994
Telephone Number	04651-251996
Website / E mail	nicedoms@yahoo.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. K. A. Janardhanan	MBA, Ph.D (Mg) M.Phil., Ph.D(P.A)	Professor , Dean, Director - HRM	HRM, Disaster Management	26	7	kajanardhanan@yahoo.com , 9443128025
2.	Prof. M. Sivathanu Pillai	M.Com	Professor	Skills Development	50		sivathanup@yahoo.co.in. 9489435702
3.	Dr. M. Wilson	M.Com, MBA M.Phil ., Ph.D	Professor	Marketing	26	15	mw.sccngl@gmail.com 9443401730
4.	Dr. B. Chadrachoodan Nair	M. B. A, Ph.D	Director	Operations	35	20	chandrachoodan.nair@yahoo.co.in 9447062231
5.	Dr. D.Kinslin	M.Com ,, MBA M.Phil ., Ph.D	Associate .Prof, HOD, Deputy Dir-HRM	Marketing, HRM	15	8	dkinslin@gmail.com 9442075559
6.	Dr. A. Merlin Thanga Joy	MBA M.Phil.,Ph.D	Assistant Professor	Finance, Marketing	13	7	Merlinsn08@gmail.com 9566603087
7.	Dr. R Radhika	MA., MBA M.Phil.,Ph.D	Assistant Professor	HRM	08	10	rdhujaasourash@gmail.com 9486941177
8.	Mr. V.P. Velmurugan	M.Com ., MBA., BL	Assistant Professor	Finance	7.10		Vpv_harini@yahoo.com 9443211048

9.	Dr. M. Sulipher	M. B. A, Ph. D	Assistant Professor	Marketing	10	2	sulipherms@yahoo.com 9940401020
10.	Mr. Shibin Tad M.C	MBA, MPhil	Assistant Professor	HRM	2	1.8	shibintad@gmail.com 9442040601
11.	Mr. Fenin Samuel	MBA, MPhil	Assistant Professor	Marketing, operations	1	1	feninsml@gmail.com 9486865382
12.	Mr. Deekshith	MBA	Assistant Professor	Marketing	1	1	Dichi28@gmail.com 8148642903
13.	Mrs. Kavitha Rani. R	MBA, MPhil	Assistant Professor	Marketing, HRM	3 M		Kavithar480@gmail.com 8300069008
14.	Ms. Rajeshwari. M	MBA, MPhil	Assistant Professor	Marketing, HRM	-		Mrajeshwari917@gmail.com 9500725152
15.	Mrs. Sahaya Beula	MBA, M. Com, MPhil	Assistant Professor	Finance, HRM	02		beulawarance@gmail.com 9952451977
16.	Mr. Raja Suthan. T	MBA, M. Com, MPhil	Assistant Professor	Finance, HRM	6 M		Thangasuthan.tr@gmail.com 9965887704

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publication		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D.
1.	Dr. K. A. Janardhanan			13	65					1	1	1	1	9	1
2.	Dr. D. Kinslin			21	62					1	1			22	6
3.	Dr. M. Wilson									1	1			110	10
4.	Dr. A. Merlin Thanga Joy			4	26			-	857					15	2
5.	Dr. R. Radhika			6	18			195.5	924.5	1	1			15	1
6.	Dr. M. Suliapher									1	1			1	-
7.	Dr. V. P. Velmurugan			2	3			200	1377.50						
8.	Shibin Tad. M.C				7			104							
9.	Mr. Deekshith			1	2			101							

10.	Mr. S. Fenin Samuel			1			104							
11.	Mrs. Kavitha Rani			2										
12.	Ms. Rajeswari, M		1	2										
13.	Mrs. Sahaya Beula		1	2										
14.	Mr. Raja Suthan. S			3										

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. K.A. Janardhanan	An outlook on Implementation of GST and its impact on Indian Economy”	Noorul Islam University	28,29 April 2017
2	Dr. D. Kinslin	Satisfaction at Work Place of Women Teachers in Professional colleges of Kerala	IIT Delhi	July 14 -15, 2017
3	Dr. D. Kinslin	Dual Role Performance of Women Teachers in Professional colleges of Kerala	IIT Delhi	July 14 -15, 2017
4	Dr.D. Kinslin	ELAIR Model for Better Empowerment and Work Life Balance of Women Faculty in Medical Profession in Kerala	IIM-Ahmedabad	Dec 10-11, 2016
5	Dr.D. Kinslin	A Study on Work Life Balance of Teachers in Engineering colleges in Kerala	Navraj Academy for Managerial Excellence, Taj Vivanta, Coimbatore	August 13, 2016
6	Dr. A. Merlin Thanga Joy	“Perception of Households on E-waste Management in Tamil Nadu”,	The Institution of Electronics and Tele Communication Engineers (IETE), Hyderabad	3 rd September 2017.

7	Dr. A. Merlin Thanga Joy	Issues and Challenges in Services Marketing Faced by KTDC Group of Hotels in Kerala	The Institution of Electronics and Tele Communication Engineers (IETE), Hyderabad	24 th June, 2017
8	Dr. A. Merlin Thanga Joy	E – Waste Management Practices of Households in Tamil Nadu	Primax Foundation organized at Malaysia	7 th June 2017
9	Dr. R.Radhika	Effectual Traffic Management to Reduce and Rectify Road Accidents in Kanyakumari district.	Noorul Islam University	28,29 April 2017
10	Dr. V P Velmurugan	An outlook on Implementation of GST and its impact on Indian Economy”	Noorul Islam University	28,29 April 2017

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Dr. Muhammed Z. Mamun, Professor, Institute of Business Administration,	University of Daka, Bangladesh	Bangladesh	28 th and 29 th April 2017	International Conference
2	Prof. Manirafasha Cedrick	University of Rwanda, Rwanda	Rwanda	28 th and 29 th April 2017	International Conference
3	Prof. K. Ahishakiye Jackson	University of Rwanda, Rwanda	Rwanda	28 th and 29 th April 2017	International Conference
4	Prof. Sibomana Eric	Catholic University of Rwanda, Rwanda	Rwanda	28 th and 29 th April 2017	International Conference
5	Dr. Mayeen Uddin Khandaker	University of Malaya Kuala Lumpur	Malaysia	28 th and 29 th April 2017	International Conference

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/Workshop/Symposia, etc. Organized	State/National/International Level	Period
	Dr. K. A. Janardhanan	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. D. Kinslin	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. B. Chandra Chooda Nair	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. V. P. Velmurugan	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. R. Radhika	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. M. Sulaipher	ICIRETM – 2017	International	28 th and 29 th April 2017
	Mr. M. C. Shubin Tad	ICIRETM – 2017	International	28 th and 29 th April 2017
	Mr. Deekshith	ICIRETM – 2017	International	28 th and 29 th April 2017
	Mr. Fenin Samuel	ICIRETM – 2017	International	28 th and 29 th April 2017
	Dr. M. Wilson	UNICAEVNTO - 2017	National	Feb - 2017
	Mrs. Kavitha Rani. R	UNICAEVNTO - 2017	National	Feb - 2017
	Ms. Rajeshwari. M	UNICAEVNTO - 2017	National	Feb - 2017
	Mrs. Sahaya Beula	UNICAEVNTO - 2017	National	Feb - 2017
	Mr. Raja Suthan. T	UNICAEVNTO - 2017	National	Feb - 2017

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.		"India Needs a Change in Approach towards Disaster Management"	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		Planning and Control Systems: A framework for analysis in Food Supply Chain Management	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	

Dr. K.A. Janardhanan	An analytical study of green supply chain Management	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
	A Study on Construction Workers Cultural View towards Safety Environment	Journal of Chemical and Pharmaceutical Sciences	Vol. (9),	Oct - 2016	
	Prediction of Quality Response by AWJM Process for Aluminum 6061 Alloy using ANN	Journal of Chemical and Pharmaceutical Sciences	Vol. (9),	Jan - 2016	
	Design Modelling and study of Magneto rheological Dampers Suspension System	Journal of Chemical and Pharmaceutical Sciences	Vol. (9),	Jan - 2016	
	Study on Communication Practices among Team members in project Management Organizations	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Oct - 2016	
	"India Needs a Change in Approach towards Disaster Management"	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
	Planning and Control Systems: A framework for analysis in Food Supply Chain Management	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	

		An analytical study of green supply chain Management	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
2.	Dr. D. Kinslin	A study on the factors for intermediary dependence among decorative paint customers exploring the impact significance	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		A study explaining brand experience among decorative paint customers	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		A study among decorative paint customers on factors influencing preference of decorative paint brands	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		Problems and challenges of decorative paint customers in paint brand preference: A study among decorative paint customers of Kerala	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	

		Brand experience as an antecedent to brand preference: A study among decorative paint customers of Kerala	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		A Study on Impact of Work Life Balance on Retention of Women Teachers in Management Colleges in Kerala	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972 – 7302	2017	
		A Study on Work Life Balance of Women Employees at ULCCS Ltd, Kozhikode,	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972-7302	2017	
		A Study on	International	Volume	2017	
		Work Life Balance of Women Employees at ULCCS Ltd, Kozhikode,	Journal of Applied Business and Economic Research	15 Issue (6), 2017, ISSN: 0972-7302		
		Work Life Balance Of Employees At Hindustan Lever Limited, Trivandrum	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972-7302	2017	
		A Study on entrepreneurial leadership skills and Human Resource Management in Small and medium Tourism Enterprises	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972-7302	2017	

		A Study on Work Life Balance of Teachers in Engineering Colleges in Kerela	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		A Study on Construction Workers Cultural View towards Safety Environment	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		Impact of shift Work on Employees in BPO Companies	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		A Study on Digital Marketing and its Impact	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		Attitude of Consumer towards handloom products with Special reference to Trivandrum	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		Prediction of Quality Response by AWJM Process for Aluminum 6061 Alloy using ANN	Journal of Chemical and Pharmaceutical Sciences	Vol. (9)	Jan - 2016	
		Design Modelling and study of Magneto rheological Dampers Suspension System	Journal of Chemical and Pharmaceutical Sciences	Vol. (9),	Jan - 2016	

		Study on Communication Practices among Team members in project Management Organizations	Journal of Chemical and Pharmaceutical Sciences	Vol. (9),	Oct - 2016	
	Dr. A. Merlin Thanga Joy	“Perception of Households on E-waste Management in Tamil Nadu”,	International Journal of Engineering, Technology, Science and Research	Volume 4, Issue 9, September 2017, ISSN 2394-3386		
3.	Dr. A. Merlin Thanga Joy	E – Waste Management Practices of Households in Tamil Nadu	Primax International Journal of Commerce and Management Research	Volume No. 5, Issue No. 1, , PP 65 – 71.”	April – June 2017	
		Issues and Challenges in Services Marketing faced by KTDC Group of Hotels in Kerala	International Journal of Engineering, Technology, Management and Applied Sciences	June 2017, ISSN 2349-4476	2017	
		Satisfaction of Rural Consumers Toward FMCG in Rural Tamilnadu	Global Journal for Research Analysis	Vol. (5), Sep-2016	Sep- 2016	
4.	Dr. R. Radhika	A study on green human resource practices in IT sector with special reference to technopark,	Journal of Chemical and Pharmaceutical Sciences	Volume 9, Issue I , April 2016,P. 396-401	April 2016	

		Role of leaders for boosting morale of employees in IT sector with special reference to technopark, Trivandrum	Journal of Chemical and Pharmaceutical Sciences	Volume 9, Issue 1, P.418-423	April 2016	
		Problems of fish marketing-with special reference to kanya kumari district	Journal of Chemical and Pharmaceutical Sciences	Volume 9, Issue 1, P.430-433	April 2016	
		An overview of Information Technology Industry in India	Journal of Chemical and Pharmaceutical Sciences	Volume 9 Issue 4,	Oct-Dec.2016	
		Competency Management as a strategy for Performance Appraisal	Journal of Chemical and Pharmaceutical Sciences	Volume 9 Issue 4	Oct-Dec.2016	
		Marine Fisheries in Tamilnadu – An Overview	Journal of Chemical and Pharmaceutical Sciences	Volume 9 Issue 4	Oct-Dec.2016	
5.	Dr. V. P. Velmurugan	Sales Leadership in New Car Dealerships in Thiruvananthapuram District”	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972-7302	2017	
		Customers Satisfaction towards Online Shopping in Nagercoil Taluk”	International Journal of Applied Business and Economic Research	Volume 15 Issue (6), 2017, ISSN: 0972-7302	2017	
6.	Mrs. Sahaya Beula	Quality Work life of Handloom Weavers in K. K. Dist	Institute of management development and research	XXXIII.N O.3	2016	127-134

7	Ms. Rajeshwari. M	The Relationship Between The Major Factors and Employee Attrition in IT Sector A Special Reference to Techno park Trivandrum	Journal of Chemical and Pharmaceutical Sciences (JCPS)	Volume 9, (4)	2016	1913 –1915
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9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
1	Dr. K.A. Janardhanan	Innovative SCM Model for Agro Products	19-10-2015	5595/CHE/2015	-
2	Dr. K.A. Janardhanan	Development Radiotherapy Gadget – Contour Plotter	19-10-2015	5008/CHE/2015	-
3	Dr. K.A. Janardhanan	Development Radiotherapy Gadget – Beam Direction	19-10-2015	5785/CHE/2015	-

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	Dr. K. A. Janardhanan	Coastal Housing & Resettlement under Tsunami Rehabilitation Programme	Government of Kerala	2015
2	Dr. K. A. Janardhanan	Introduction to Research Methods	NIU Publications	2014
3	Dr. M. Wilson	Advanced Accountancy Volume II	Scitech Publications India PVT Ltd	2011
4	Dr. M. Wilson	Accounting for Management	Scitech Publications India PVT Ltd	2010
5	Dr. M. Wilson	Advanced Accountancy Volume I	Scitech Publications India PVT Ltd	2009
6	Dr. M. Wilson	Management Accounting	Himalaya Publishing house, Bangalore	2008
7	Dr. M. Wilson	Cost Accounting	Himalaya Publishing house, Bangalore	2007
8	Dr. M. Wilson	Business mathematics	Himalaya Publishing house, Bangalore	2006
9	Dr. M. Wilson	Business Statistics	Himalaya Publishing House, Bangalore	2000

10	Dr. M. Wilson	Principles of Management	Peacock Publishers, Nagercoil	1990
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11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2015-16		Total I	Community												Existing Students, Strength						Pass Percentage of outgoing batch		
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III			IV	
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
1	BBA	04	28	32	7	-	10	3	10	1	-	-	1	-	-	-	-								
2	B. Com	03	04	07	-	-	32	1	-	-	1	-	-	-	-	-	-								
3	MBA	11	40	51	13	17	9	-	-	-	-	-	1	-	-	-	-								
4	M.Phil. Programme	05	03	08	-	-	15	-	-	-	-	2	-	-	-	-	-								
5	Ph.D Programme	02	06	-	-	-	-	1	-	-	-	-	-	-	-	-	-								
	Total	23	75	98	20	11	49	11	1	-	1	3	1	-	-	-	-								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
	BBA	8	MBA		6	-	5	5	6	11

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							

3	M.B.C./D.N.C.(State)																
4	SC/SCA/ST(National)																
5	SC/SCA/ST(State)																
6	First Generation Free Education																
7	Loan Scholarship																
8	Others (Specify the name of the scholarship)																
	Total																

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1	BBA	31	3	26	2	19	4	18	08	08	05	8	8				
2	B.Co m	6	3	6	3												
3	MBA	53	9	47	20	63	23	63	53								

17. Placement Details:

Name of the Placement co-ordinator : Deekshith			
Phone/Mobile Number : 8148642903		e-mail: dichi28@gmail.com	
Number of Placement Programmes: 3			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed		
2	Number of Placements obtained through Campus Interview	28	5
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	54	46

18. Outstanding achievements by the Faculty Members: |

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1			
2			

20. Department Meeting Held :

Programme Committee, Course Committee etc. BOS

S.No	Name	Date
1.	I Programme Committee - S1 M. Phil	21.09.2016
2	II Programme Committee - S1 M. Phil	28.10.2016
3	III Programme Committee - S1 M. Phil	02.12.2016
4	I Programme Committee – S2 M. Phil	28.02.2017

5	II Programme Committee – S2 M. Phil	31.03.2017
6	III Programme Committee – S2 M. Phil	12.05.2017
7	I Programme Committee – S1 MBA	20.09.2016
8	II Programme Committee – S1 MBA	24.10.2016
9	III Programme Committee – S1 MBA	28.11.2016
10	I Programme Committee – S2 MBA	27.02.2017
11	II Programme Committee – S2 MBA	03.04.2017
12	III Programme Committee – S2 MBA	08.05.2017
13	I Programme Committee – S3 MBA	19.08.2016
14	II Programme Committee – S3 MBA	20.09.2016
15	III Programme Committee – S3 MBA	27.10.2016
16	I Programme Committee – S4 MBA	11.04.2017
17	II Programme Committee – S4 MBA	24.03.2017
18	III Programme Committee – S4 MBA	20.04.2017
19	Programme Committee – BBA	26.10.2016
20	Programme Committee – BBA	24.02.2017

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1362	7	No. of titles available	
2	Books added during the year 2015		8	No. of CDs and Digital Books Available	45
3	No. of Indian Journals/ Magazines	18	9	No. of Foreign Magazines/Journals	16
4	No. of data bases available		10	No. of Online Journals	
5	Average No. of students visiting the Library per day		11	Average No. of books Issued per day	
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches :

25. Consultancies :

26. No. of NET/SET/GATE/CSIR Qualified students:

27. MOUs signed :

28. Innovations and Best Practices :

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff()	
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (193/16)	12.06
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (42/16)	2.62
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (2/16)	0.12
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	6.8
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	7.42
3.3	Gender Ratio	Total number of female students / Total number of male students ()	
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

NAME OF THE DEPARTMENT: COMPUTER APPLICATIONS

1. Department Details :

Name of the School	Department of Computer Applications
Name of the HOD, Phone No. and E-mail ID	Dr.J.R.Jeba , Mobile : 9442653616 Email : jrjeba@rediffmail.com
Year of Establishment	1994
Telephone Number	-
Website / E mail	Email : mcaniu2010@gmail.com

2. Details of Faculty Members :

S. No	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.M.K.JeyaKumar	MCA., M. Tech., Ph.D	Professor	Networking	24.3	12	jeyakumarmk@yahoo.com
2	Dr.J.R.Jeba	M.C.A., M.Phil, Ph.D	Associate Professor & HOD	Data Mining	20	7	jrjeba@rediffmail.com
3	Dr.M.Victor Jose	M.E, Ph.D	Associate Professor	Cloud Computing	19.3	6	mvictorjose@yahoo.com
4	Prof.S.Beulah	M.C.A., M.Phil,(Ph.D)	Associate Professor	Grid Computing	18.9	2	stephenbeulah@rediffmail.com
5	Dr.R.V.Siva Balan	M.C.A., M.Phil, Ph.D	Associate Professor	Software Engineering	10.10	9	rvsivan@gmail.com
6	Dr.U.Kumaran	M.E, Ph.D	Assistant Professor	Networking	14.5	3	kumaran.u@rediffmail.com
7	Dr.A.C.Subhajini	M.S., M.Phil, Ph.D	Assistant Professor	Neural Networks	13.3	6	acsubhajini@yahoo.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr.M.K.JeyaKumar	3		14	77	18					1	4	7	1	7
2	Dr.J.R.Jeba			10	13						11			1	6

3	Dr.M.Victor Jose	2		1	12	1				1			1	5
4	Prof.S.Beulah			1	2					3				
5	Dr.R.V.Siva Balan	3			27	3					2	2	1	8
6	Dr.U.Kumaran	1		2	5	3							1	
7	Dr.A.C.Subhajini	2		2	8	1				3			1	5

4.. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				
2				

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.J.R.Jeba	External Expert	Doctoral Committee Meeting	-	Manonmaniam Sundaranar University, Tirunelveli 10.08.2017

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period

8. Publication of Research Papers at the State/National/International Levels:

Attached Annexure -I

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Program / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength			Pass Percentage of out going batch					
		F	M		OC	BC	BCM		MBC/DNC		SC	SCA		ST	II		III		IV						
							M	F	M	F		M	F		M	F	M	F			M	F			
	UG Programme	-	-																						
	PG Courses(MCA)	16	16	32	6	-	9	10	3		3			1											94%
	M.Phil. Programme																								
	Ph.D Programme	6	1	7		2	1	4																	
	Diploma / PG Diploma/ Certificate Courses (if any)																								
	Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	MCA	Indian	Tamil Nadu	19	29	48
			Kerala	8	1	9

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
1			MCA	32					2	2

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss

17. Placement Details:

Name of the Placement co-ordinator : Dr.R.V.SivaBalan			
Phone/Mobile Number : 9944071041 e-mail: rvsivan@gmail.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female

1	Number of Students Placed	4	6
2	Number of Placements obtained through Campus Interview	4	6
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	31%	

18. Outstanding achievements by the Faculty Members: I

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1			
2			

**20. Department Meeting Held :
Programme Committee, Course Committee etc. BOS**

S.No	Name	Date	
1.	Course Committee Programme Committee Etc.	Course Committee : 17.11.2016 Programme committee : 07.09.2016,05.10.2016, 03.11.2016,23.02.2017,21.03.2017, 27.04.2017	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Equipment	Specifi- cations	Nos.	S. No.	Name of the Equipment	Specifi- cations	Nos.
1	Computer	Pentium Core2-Duo	74	7	Network		79
		Pentium-D	3				
		Pentium III	1				
		Linux Server	1				
2	Laptops		1	8	Fax		-
3	Printer		5	9	Smart Class		1
4	LCD Projector		1	10	Software/ Data base		
5	Net Connection Wi-Fi: Wired:		79	11	Others		
6	Scanner		-				

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Prof.S.Beulah

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1051	7	No. of titles available	
2	Books added during the year 2016	451	8	No. of CDs and Digital Books available	
3	No. of Indian Journals/ Magazines	-	9	No. of Foreign Magazines/Journals	
4	No. of data bases available	-	10	No. of Online Journals	
5	Average No. of students visiting the Library per day	12	11	Average No. of books Issued per day	2
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)		12	Availability of Language Lab	

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.

24. Collaborative Researches :

Nil

25. Consultancies : Nil

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices :

29. Others:

SI.NO	Name	Title of the Program	Duration
1.	S. Beulah	Three days FDP on Data Center Virtualization fundamentals by ICTACT	19-01-2017 to 21-01-2017

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ()	
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (354/52)	
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	
3.3	Gender Ratio	Total number of female students / Total number of male students ()	
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	

NAME OF THE DEPARTMENT: MECHANICAL ENGINEERING

1. Department Details :

Name of the School	Noorul Islam Centre for Higher Education
Name of the HOD, Phone No. and E-mail ID	Dr.N.Abilash,9442538863, niceabi@rediffmail.com
Year of Establishment	1996
Telephone Number	9486856128
Website / E mail	www.niumechanical.com/niu.mech@yahoo.com
Special Status : (if any)	NAAC Accredited "A" Grade

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1.	Dr.N.Chandrashekar	Ph.D	Professor & PVC of NIU	Applied Mechanics	35	7	drncshekhar60@yahoo.com 9486856103
2.	Dr.M.DevAnand	ME, MBA, Ph.D	Professor & Director (Research)	Intelligent Robotics	15	13	anandpmt@hotmail.com 9486758653
3.	Dr.G.M. Joselin Herbert	ME, Ph.D	Professor	Thermal Engineering	17	11	joselindev@yahoo.com 9442381611
4.	Dr.R.Rajesh	ME, Ph.D	Professor & Head	Manufacturing	20	10	rajesh1576@yahoo.com 9894434131
5.	Dr.N.Ramasamy	ME, Ph.D	Professor	Engg. Design	31	7	nramasamy2002@yahoo.com 9486085018
6.	Dr.N.Abilash	ME,Ph.D	Associate Professor	CIM	11	8	niceabi@rediffmail.com 9442538863
7.	Dr.R.Rajesh	ME,Ph.D	Associate Professor	Manufacturing Engineering	10	7	rajesh200345@yahoo.com 9488882073
8.	Dr.K.S.JaiAultrin	ME,Ph.D	Associate Professor	Manufacturing Engineering	9	7	aultrin2010@gmail.com 7598236159
9.	Mr.S.Raja	ME	Assistant Professor	CIM	11	5	srajame@rediffmail.com 9442177584
10.	Mr.S.JenkinsHexleyDhas	ME	Assistant Professor	Machine Design	16	7	jenkinsdhas@yahoo.com 9486059241

11.	Mr.P.Jerold Jose	ME	Assistant Professor	Welding technology	8	5	jeroldjose@yahoo.co.in 9003989637
12.	Mr.R.RameshPalappan	M.E	Assistant Professor	Energy engineering & Management, Thermal Power Engg	17	5	rrpalappan@gmail.com 9486011477
13.	Mr.A.K.Ratheesh	ME	Assistant Professor	Thermal Engg.	11	5	ratheeshudhaya@gmail.com 9600277105
14.	Mr.A.Unni Krishnan	ME	Assistant Professor	Thermal Engineering	16	5	unnikrishnan230575@gmail.com 9486270797
15.	Mr.S.SelvanNambai	ME	Assistant Professor	Manufacturing Technology	11	5	selvannambai78@yahoo.com 9578739365
16.	Mr.S.G.Nataraj	ME	Assistant Professor	CAD/CAM	9	5	nataauc23@gmail.com 9994224646
17.	Mr.R.Reji Kumar	ME	Assistant Professor	MANUFACTURING	11	4	rejikumar-r@yahoo.com 9442031633
18.	Dr.M.Satheesh	ME, Ph.D	Assistant Professor	Welding	15	5	satheeshmechengg@gmail.com 9943757627
19.	Mr.K.Eqbert	ME	Assistant Professor	CAD	4	3	eqbertmicheal@gmail.com 8300104776
20.	Mr.K.Vijay	ME	Assistant Professor	CAD	8	3	vijaykvdev@gmail.com 9994111221
21.	Mr.T.JudsonDurai	ME	Assistant Professor	Manufacturing Engineering	8	4	judsondurai@yahoo.in 9962708310
22.	Mr.M.Aniber Benin	ME	Assistant Professor	Manufacturing Engineering	3	3	benin.m@gmail.com 9442500004
23.	Mr.S.Subash	ME	Assistant Professor	CAD/CAM	5	2	subashmail12@gmail.com 9486864170

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D

1	Dr.N.Chandrashekhar				35									5
2	Dr.M.Dev Anand	5	5	22	73		90					8	4	12
3	Dr.G.M. JoselinHerbert	5	5	6	26		492						1	3
4	Dr.R.Rajesh	6	6	22	73		120						1	12
5	Dr.N.Ramasa my			3	8									
6	Dr.N.Abilash	3	3		11		54							3
7	Dr.R.Rajesh	2	2	6	15		18							2
8	Dr.K.S.Jai Aultrin	1	1	4	11									
9	Mr.S.Raja				5									
10	Mr.S.Jenkins HexleyDhas			1	3									
11	Mr.P.Jerold Jose			1	5									
12	Mr.R.RameshPalappan			1	3									
13	Mr.A.K.Ratheesh			1	3									
14	Mr.A.Unnikrishnan		1	2	6		22							
15	Mr.S.Selvan Nambi			1	6									
16	Mr.S.G.Nataraj				1									
17	Mr.R.Reji Kumar				2									
18	Dr.M.Satheesh		3		14		24							8
19	Mr.K.Eqbert				1									
20	Mr.K.Vijay													
21	Mr.T.Judson Durai				2									
22	Mr.M.Aniber Benin				3									
23	Mr.S.Subash				4									

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	

1	Dr. R.RAJESH	ICSSR	A Study OF 3PL in India In 2014	Oct-2015	Apr-2017	3,50,000

5. a) **Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.**

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.R.Rajesh	MLRITM,Hyderabad,Telangana	Predicting the deposition efficiency of plasma sprayed alumina coatings on AZ31B magnesium alloy by response surface methodology Algorithm	Oct 10,2016
2	Dr.R.Rajesh	National Institute of Technology,Trichy.	The Analysis of Wear resistance of Condenser Tube material (Titanium)	March 31, April 1,2017
3	Dr.R.Rajesh	National Institute of Technology,Trichy.	Statistical Analysis of Optimisation of Wear Behaviour of Boron Carbide Reinforced Steel Matrix Composites using Response Surface Methodology	March 31, April 1,2017
4	Dr.R.Rajesh	Noorul Islam University,Kumaracoil,	Fabrication of stainless steel with Boron Carbide	October, 20,21,2016
5	Dr.R.Rajesh	St.Xaviers College of Engineering	Optimization of production of transesterifiedJatropha curcas oil using Response Surface Methodology	2016
6	Dr.R.Rajesh	SDSC SHAR ISRO, Sriharikota	Optimization of viscosity of transesterifiedJatropha curcas oil using Response Surface Methodology	2016
7	Dr.R.Rajesh	St.Xaviers College of Engineering	Development of decision support system for measuring performance in hospitals	2016
8	Dr.N.Ramasamy	St.Xaviers College of Engineering	Development of decision support system for measuring performance in hospitals	2016
9	Mr.M.Aniber Benin	ICREMS-2016	A Concise review on damage detection and repair in composite material	20 th & 21 st October-2016

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Mr.Ananthan Scientist	NPCIL	INDIA	11-07-2016	Orientation Programe

2	Dr.R.S.Shawanth Training Superintendent	NPCIL	INDIA	22-09-2016	FAME Inaguration
3	Mr.Ananthan Scientist	NPCIL	INDIA	22-09-2016	FAME Inaguration
4.	Dr.S.AnilLal,Professor	College of Engineering	INDIA	24-09-2016	Guest Lecture
5	Padmashree.M.Chandrad athan Scientific Advisor to Chief Minister of Kerala Formar Director	NSSC	INDIA	20-10-2016	ICREMS- 2016
6	ShriR.S.Sundar Site Director Outstanding Scientist	NPCIL	INDIA	2020-10- 2016	ICREMS- 2016
7	Dr.Nattachote	Rajamangala University of Technology	Thailand	20-10-2016	ICREMS- 2016
8	Dr.P.A.Manoharan Technical officer	DRDO	INDIA	20-10-2016	ICREMS- 2016
9	A.Darwin Jose Raja Vice Chairman	IEEE SSIT	INDIA	20-10-2016	ICREMS- 2016
10	Dr.K.Ganesh Knowledge Expert	McKinsey&Compan y	INDIA	20-10-2016	ICREMS- 2016
11	ShriR.Mathiyarasu Scientific Officer G-grade	IGCAR	INDIA	01-02-2017	State level intercollegiat e quiz competition
12	Dr.R.Sarangapani Scientific Officer F-grade	IGCAR	INDIA	01-02-2017	State level intercollegiat e quiz competition
13	Dr.Annalekshmi Scientific Officer G-grade	IGCAR	INDIA	01-02-2017	State level intercollegiat e quiz competition

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr.Joselin Herbert	Member	Interview	P.hD	NIU/July 2017
2	Dr.Joselin Herbert	Chairperson	Paper Presentation	ICREMS	2016

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Dr.M.Satheesh	Orientation Programme	State	11-07- 2016

2	Mr.S.Raja	Guest lecture on values of values	State	19-07-2016
3	Dr.M.Satheesh Mr.RameshPalappan	FAME inaguration	State	22-09-2016
4	Mr.S.SelvanNambi Mr.RameshPalappan	Guest lecture on Recent Advances in Energy conversation technologies	State	24-09-2016
5	Dr.Rajesh	ICREMS-2016	International	20-10-2016
6	Dr.M.Satheesh	Guest lecture on Best in class and next generation business- with context of Renewable concept	State	20-10-2016
7	Dr.Rajesh	State level inter collegiate Quiz competition-2017	State	01-02-2017
8	Dr.Rajesh	Mecharnic 2K17	National	17-02-2017 & 18-02-2017
9	Mr.S.Raja	Skill development programme under skill India scheme	National	10-04-2017
10	A.Unni Krishnan	One day orientation programme	State	24-08-2017
11	Dr.R.Rajesh Mr.RameshPalappan	FAME Inaguration	State	22-09-2017

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1.	K. S. Jai Aultrin and M. DevAnand	Multi-objective optimization of abrasive water jet machining of aluminium 6061 alloy by grey relational analysis	Journal of Chemical and Pharmaceutical Sciences		2016	410-417

2.	K. S. Jai Aultrin and M. DevAnand	Application of fuzzy logic approach for prediction of machining parameters by AWJM process on aluminium 6061 Alloy	Journal of Chemical and Pharmaceutic al Sciences		2016	383-391
3.	DevAnand	Application of regression analysis and taguchi method for prognosticatio n and optimization of EDM process	International Journal of Control Theory and Applications		2016	3181-3191
4.	DevAnand	Robot fault diagnosis using a novel high speed double-tail comparator	Journal of Chemical and Pharmaceutic al Sciences		2016	360-362.
5.	DevAnand	Design and crack analysis of pressure vessel saddles using finite element method	Indian Journal of Science and Technology		2016	
6.	DevAnand	Inverse kinematics solution of a five joint robot using TD and distributed TDN network	International Journal of Control Theory and Applications		2016	3159-3179.
7.	DevAnand	Effect of process parameters on mechanical properties and modeling of pulsed TIG welding of Inconel 718 alloy	International Journal of Control Theory and Applications		2016	3373-3389

8.	DevAnand	Processing and characterization of aluminium based activated carbon composite made by enhanced stir die casting method	Journal of Chemical and Pharmaceutical Sciences		2016	356-359
9.	DevAnand	Inverse kinematics solution of a five joint robot using MRAN algorithm	International Journal of Control Theory and Applications		2016	3211-3229
10.	DevAnand	Prediction of quality response by AWJM process for aluminium 6061 alloy using ANN	Journal of Chemical and Pharmaceutical Sciences		2016	341-346.
11.	DevAnand	Advanced machining performance study on hardened steel en 31: A particle swarm optimization approach	Journal of Chemical and Pharmaceutical Sciences		2016	447-455
12.	DevAnand	Inverse kinematics solution of a five joint robot using narx algorithm	Journal of Chemical and Pharmaceutical Sciences		2016	2677-2687
13.	DevAnand	Design, modelling and study of magnetorheological dampers in suspension system	Journal of Chemical and Pharmaceutical Sciences		2016	347-350

14.	DevAnand	Advanced machining performance study on hardened steel en 31: A differential evaluation approach	Journal of Chemical and Pharmaceutical Sciences		2016	456-461
15.	DevAnand	Fibre reinforced plastic material with aluminum filling used for ship superstructure	Journal of Chemical and Pharmaceutical Sciences		2016	351-355.
16.	DevAnand	Development and experimental analysis of magneto rheological fluid based suspension model	Journal of Chemical and Pharmaceutical Sciences		2016	462-464
17.	DevAnand	Solution for a five link industrial robot manipulator inverse kinematics using intelligent prediction response method art. no. 90570	Indian Journal of Science and Technology		2016	
18.	DevAnand	ANFIS-based surface roughness prediction model for EDM of aluminium-based composite material	International Journal of Enterprise Network Management		2016	pp. 365-381

19.	DevAnand	Experimental investigation on friction stir welding process using anfis model	IJMET		2017	PP.886 – 895
20.	DevAnand	Inverse kinematics solution of a five joint robot using recurrent neural network algorithm	IJMET		2017	PP. 941 – 958
21.	DevAnand	Investigation and modeling on dynamic failure mode-i type crack	IJMET		2017	PP.896 – 911
		transitions in pressure vessel geometry				
22.	DevAnand	prediction of EDM Process Parameters For AISI 1020 Steel Using RSM, GRA AND ANN	IJMET		2017	PP. 924 – 940
23.	Ramasamy.N Dr. R. Rajesh Pugazhendhi. S Ganesh.K	Development of a Hybrid BSC-AHP Model for Institutions in Higher Education,	International Journal of Enterprise Network Management	7 (1)	2016	pp. 13-26

24.	Dr. R. Rajesh	Analysis of microstructural, corrosion and mechanical properties of aluminium titanium diboride particles (Al-TiB ₂) reinforced metal matrix composites (MMCs)	International Journal of Science and Technology	9 (43),	2016	pp. 13-26
25.	Dr. R. Rajesh	Structural equation modelling for analyzing relationship between IEQMS criteria and performance of engineering institutions,	International Journal of Enterprise Network Management	7 (2)	2016	85-96
26.	Dr. R. Rajesh	A Study on The Abrasion Resistance, Compressive Strength And Hardness Of Banana-Fibre Reinforced Natural Rubber Composites	International Journal of Advanced Research in Engineering and Technology	7 (3)	2016	42-55

27.	Dr. R. Rajesh	The Tribological and Compressive Behavior of Natural Rubber Composites Reinforced with Surface Modified Banana Fibers	Asian Journal of Applied Sciences	4 (6)	2016	1349-1358
28.	Dr. R. Rajesh	QPN and Cloud Computing for promoting E-Learning and Flexible Education System: An Analytical study	International Journal on Research Issues in Engineering and Technology	6 (4)	2016	288-298
29.	Dr. R. Rajesh	A Conceptual Model for Achieving Business Excellence in Indian Manufacturing Industry	International Journal of Enterprise Network Management	7 (4)	2016	314-321
30.	Dr. R. Rajesh	Model of ITQM Practice in Management Education Stakeholders Perspective	International Journal of Enterprise Network Management	6 (3)	2016	207-222
31.	Dr. R. Rajesh	Green Computing for Eco Enriched	Journal of Biotechnology Research	2 (6)	2016	44-48

		Information Services and Systems: Environmental & Bio Informatics Perspective				
32	Gopakumar, R R.Rajesh	Development and characterization of eco-friendly sisal fiber-natural rubber latex composites	International Journal of Mechanical and Production Engineering Research and Development	7(4)		57-64
33	M.M.Siva Rajesh,R., Pugazhendhi, S Sivapragash,M	Effect of Microstructure and Hardness Properties of Al2011 Based Composites for Titanium Dioxide using Stir Casting Method	International Journal of Mechanical and Production Engineering Research and Development	7(2)	2017	187-200
34	R.Neelarajan R. Rajesh &Ramanan. G	Mathematical Model Development For Viscosity of Transesterified Jatropha Oil Using Box - Behnken Method	International Journal of Mechanical and Production Engineering Research and Development	7(4)	2017	361-370
35	Gopakumar, R R.Rajesh	Effect of fiber volume fraction on the abrasive resistance, compressive strength and hardness of banana fiber-natural rubber composites	International Journal of Mechanical Engineering and Technology	8(7)	2017	157-166
36	R.Neelarajan R.Rajesh	Experimental wear study between piston ring and cylinder liner pair using	International Journal of Mechanical and Production Engineering		2017	

		Jatropha oil as lubricating oil	Research and Development			
37	R.Neelarajan R.Rajesh	Experimental study on performance and emission characteristics of transesterified Jatropha biodiesel engine	, International Journal of Mechanical Engineering and Technology	8(5)	2017	974-986
38	Siva,M.M Rajesh,R	Tensile and SEM behaviour of stir casting AL-2011/TIB2 particulate composites	, International Journal of Mechanical Engineering and Technology	8(8)	2017	830-839
39	Kim J.Seelan Rajesh, R., Pugazhendhi, S, Liji,R.F	RSM and ANOVA: An Approach for Selection of Process Parameters of Edm of Aluminium Titanium Diboride (Al-Tib ₂)	International Journal of Civil Engineering and Technology,	8(6)	2017	241-250
40	Gopakumar,R Rajesh, R.	<u>A Study on the Influence of Fibre Content on the Mechanical Properties of Natural Rubber Composites Reinforced with Banana Fibres Subjected to Various Surface Modifications</u>	International Journal of Civil Engineering and Technology,	8(6)	2017	186-195
41	Anandhan Rajesh, R.	Evaluation through quality function deployment and analytic hierarchy process for	International Journal of Enterprise Network Management,	8(2)	2017	180-197

		selecting the tube material in heat exchangers at nuclear power plants				
42	Kim J.Seelan Rajesh,R Liji,R.F	Optimization of EDM parameters using RSM and grey relational analysis for Aluminium Titanium Diboride (AL-TIB2) ,	International Journal of Mechanical Engineering and Technology	8(5)	2017	1022-1033
43	Medha. R Elayidom, Abhishek A.S, Akhil Mohan, AbhijithVijayakumar, R. Rajesh, N. Balakrishnan, D. Thirumalaikumarasamy	Fabrication of Stainless Steel Matrix Composites Containing up to 15%Boron Carbide	International Journal of Advanced Chemical Science and Applications	5(1)	2017	1748-1260
44	Medha. R. Elayidom R. Rajesh, H.Vennila, N. Balakrishnan	Wear Parameter Optimisation using Firefly Algorithm	National Journal of Image Processing	7(1)	2017	88-96
45.	Mr.A.Unni Krishnan	Quantifying environmental performance of biomass Energy	Renewable and Sustainable Energy Reviews		2016	292–308
46.	Mr.S.Subash	A review on extraction of bamboo fibres and its properties,	International Journal of Advanced Chemical Science and Applications 2347-7601	Vol. 5-issue2,	2017	22-27
47	M.DevAnand, R.Rajesh,K.A. Janardhanan , I.J. Rohit	Fibre Reinforced Plastic Material with Aluminum	Journal of Chemical and Pharmaceutical Sciences	9(2)	2016	933-941

		Filling Used for Ship Superstructure				
48	R.Rajesh,M.D evAnand	Modeling and Analysis of MRR and SR in EDM of AISI 1020 through RSM	Journal of Chemical and Pharmaceutical Sciences	9(1)	2016	369-377
49	R.Rajesh,M.D evAnand	A Survey on Current Research Trends in Electro Discharge Machining and Their Performances on MRR, TWR and SR	Journal of Chemical and Pharmaceutical Sciences	9(2)	2016	903-918
50	Xavier Irudhya Raj Y,DevAnand M , Rajesh R , Rojith IJ	Advanced Machining Performance Study on Hardened Steel EN 31: A Particle Swarm Optimization Approach	Journal of Chemical and Pharmaceutical Sciences	9(1)	2016	447-455
51	R.Rajesh,M.D evAnand,P,E. RajaSherin	ANFIS-based surface roughness prediction model for EDM of aluminium-based composite material	Int. J. Enterprise Network Management	7(4)	2016	365-381

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
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1	Mr. K. Eqbert DharanSankar	New Generation Power Plant	08/05/2015	4292/CHE/2014/9040/	pending
2	Dr. N. Chandra Shekar	Hydraulic Sun Tracker	19/08/2015	-	pending

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	-	-	-	-

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Program / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength						Pass Percent age of out going batch		
		F	M		OC		BC		BCM		MB C/ DNC		SC		SCA		ST		II		III			IV	
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
	UG Programme	-	155	155	5	-	2	-	6	-	7	-	6	-	-	-	-	12	-	15	-	17	-	77	
	PG Courses	-	3	3			1		1															100	
	M.Phil. Programme																								
	Ph.D Programme		5		2		3																		
	Diploma / PG Diploma / Certificate Courses (if any)																								
	Total				5		2		6		7		6					12		15		17			
					7		6		6									0		4		6			

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	BE Mech	Indian	Kerala	104	-	104
2	ME Thermal	Indian	Kerala	1	-	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.			
		Total		Total	FT	PT	Total	FT	PT	Total	
1		120		2						6	6

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	-	-	-	-	-
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total	-	-	-	-	-	-	-

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App	Pas	App	Pas	App	Pas	App	Pas	App	Pas	App	Pas	App	Pas	App	Pas
	B.E(Mech)	155	110	155	103	120	64	120	66	154	84	154	80	176	122	176	136

17. Placement Details:

Name of the Placement co-ordinator: K.Eqbert			
Phone/Mobile Number :e-mail:91830010477 / egbertmicheal@gmail.com			
Number of Placement Programmes:-			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	55	1
2	Number of Placements obtained through Campus Interview	55	1
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	62%	100%

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	Dr.R.Rajesh	Best Teacher Award	Vallalarperavai,NGL
2	Prof.R.RameshPalappan	Excellent Professional Achievement Award	Society of Professional Engineers India

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	Medha R Elayidom	Project Competition	Tamilnadu State Level Competition Neyveli, Tamilnadu
2	SharoneSaheer Rosina	HEAM Scientist Award 2017,	Kerala University, Trivandrum.
3	Ajay Vaisakh T.S	Paper presentation	National Level Conference on Mechanical Engineering at Sri VellappallyNatesan College of Engineering, Kollam, Kerala
4	Mr.ArjunGirish	Project Competition	Tamilnadu Skill development Corporation – University college, Nagercoil, Kanyakumari
5	Mr. Aswin P	Project Competition	Tamilnadu Skill development Corporation – University college
6	Mr. Basim M D	Project Competition	Tamilnadu Skill development Corporation – University college
7	Ananthakrishnan A J,	First Prize in Paper Presentation Second Prize in Quiz	Stella Marys College of Engineering
8	Ajay Vaisakh T.S	First Prize in Paper Presentation First Prize in Quiz	Stella Marys College of Engineering
9	Ananthakrishnan A J,	First Prize in Paper Presentation First Prize in Quiz	VV College of Engineering
10	Ajay Vaisakh T.S	First Prize in Paper Presentation First Prize in Quiz	VV College of Engineering
11	Ananthakrishnan A J,	Third Prize in Quiz	Kerala University
12	Ajay Vaisakh T.S	Third Prize in Quiz	Kerala University
13	Akhil J S	Participated in National Level Computer Design Competition	CADD Centre, Kollam
14	Arun U	A+ in Computerized Accountancy (Tally 2.0)	GTEC, Trivandrum

20. Department Meeting Held : Programe Committee, Course Committee etc. BOS

S.No	Name	Date	Remarks
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	Course Committee Programme Committee Etc.		
1.	Board of studies meeting	06.06.2017	Revising the curriculum and syllabus
2.	Board of studies meeting	15.02.2017	curriculum and syllabus
3.	Board of studies meeting	17.05.2016	Revising the curriculum and syllabus
4.	Third Program Committee meeting for B.E mech	26.10.2017	
5.	Second Program Committee meeting for B. mech	11.09.2017	
6.	First Program Committee meeting for B.E mech	28.07.2017	
7.	Second Program Committee meeting for B. mech	13.02.2017	
8.	First Program Committee meeting for B.E mech	11.01.2017	
9.	Second Program Committee meeting for B. mech	26.09.2016	
10.	Third Program Committee meeting for B.E mech	03.11.2016	
11.	First Program Committee meeting for B.E mech	11.08.2016	
12.	First Program Committee meeting for M.E CIM	28.08.2017	
13.	First Program Committee meeting for M.E Thermal	29.07.2017	
14.	Third Program Committee meeting for M.E Thermal	09.11.2017	
15.	Third Course Committee meeting	24.10.2017	ME1212-Heat and mass transfer
16.	Second Course Committee meeting	25.09.2017	ME1212-Heat and mass transfer
17.	First Course Committee meeting	05.07.2017	ME1212-Heat and mass transfer
18.	Third Course Committee meeting	20.10.2017	ME 1203-Kinematics of Machinery
19.	Third Course Committee meeting	05.10.2017	Automobile engineering
20.	Second Course Committee meeting	23.08.2017	Automobile engineering
21.	First Course Committee meeting	04.07.2017	Automobile engineering
22.	Second Course Committee meeting	15.09.2017	Fluid Mechanics and Machinery
23.	Third Course Committee meeting	23.10.2017	Fluid Mechanics and Machinery
24.	Third Course Committee meeting	24.10.2017	Gas dynamics and Space propulsion
25.	Second Course Committee meeting	08.09.2017	Gas dynamics and Space propulsion
26.	First Course Committee meeting	31.07.2017	Gas dynamics and Space propulsion
27.	Second Course Committee meeting	20.08.2017	Non Destructive and Evaluation testing

28.	First Course Committee meeting	04.07.2017	Non Destructive and Evaluatio testing
29.	Third Course Committee meeting	23.10.2017	Engineering thermodynamics
30.	Second Course Committe meeting	21.08.2017	Engineering thermodynamics
31.	First Course Committee meeting	06.07.2017	Engineering thermodynamics
32.	First Course Committee meeting	03.07.2017	Mechatronics
33.	Second Course Committe meeting	22.08.2017	Mechatronics
34.	First Course Committee meeting	28.07.2017	Principles of Management
35.	First Course Committee meeting	06.07.2017	Kinematics of Machinery
36.	Second Course Committe meeting	22.08.2017	Kinematics of Machinery
37.	Second Course Committe meeting	20.08.2017	Machine design I
38.	First Course Committee meeting	04.07.2017	Machine design I
39.	First Course Committee meeting	03.07.2017	Engineering Materials and Metallurgy
40.	Second Course Committe meeting	22.08.2017	Engineering Materials and Metallurgy
41.	Third Class Committee meeting	26.10.2017	S3 ME THERMAL & CIM
42.	Second Class Committee meeting	21.09.2017	S3 ME THERMAL & CIM
43.	First Class Committee meeting	16.08.2017	S3 ME THERMAL & CIM
44.	Third Class Committee meeting	28.10.2017	S7 Mech B
45.	Second Class Committee meeting	20.09.2017	S7 Mech B
46.	First Class Committee meeting	11.08.2017	S7 Mech B
47.	First Class Committee meeting	15.07.2017	S7 Mech A
48.	Third Class Committee meeting	20.10.2017	S5 Mech B
49.	Second Class Committee meeting	13.09.2017	S5 Mech B
50.	First Class Committee meeting	10.08.2017	S5 Mech B
51.	Third Class Committee meeting	23.10.2017	S5 Mech A
52.	Second Class Committee meeting	15.09.2017	S5 Mech A
53.	First Class Committee meeting	09.08.2017	S5 Mech A
54.	Third Class Committee meeting	23.10.2017	S3 Mech C
55.	Second Class Committee meeting	15.09.2017	S3 Mech C
56.	First Class Committee meeting	25.07.2017	S3 Mech C
57.	Third Class Committee meeting	03.10.2017	S3 Mech B

58.	First Class Committee meeting	17.08.2017	S3 Mech B
59.	Second Class Committee meeting	15.09.2017	S3 Mech A
60.	First Class Committee meeting	16.08.2017	S3 Mech A

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
-	-	-	-	-

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	CATIA training course	50	Oct 2016	NIU
2	Auto CAD plant 3D	18	05.11.2016	NIU
3	Auto desk CFD 2015	30	19.10.2016	NIU
4	Simulation CFD 2016	30	18.03.2016	NIU
5	CATIA training course	40	March 2017	NIU
6	Inventor training course	40	Aug 2016	NIU
7	Inventor professional 2015	36	06.08.2016	NIU
8	CATIA training course	40	Mar 2017	NIU
9	Auto desk Fusion 360	45	20.09.2017	NIU
10	Inventor 2016	36	11.09.2017	NIU
11	Inventor training program	33	07.09.2017	NIU

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: M.Aniber Benin

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1251	7	No. of titles available	972
2	Books added during the year 2016-2017	06	8	No. of CDs and Digital Books Available	50
3	No. of Indian Journals/Magazines	02	9	No. of Foreign Magazines/Journals	NIL
4	No. of data bases available	NIL	10	No. of Online Journals	01
5	Average No. of students visiting the Library per day	20	11	Average No. of books Issued per day	02
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	2Mb ps	12	Availability of Language Lab	NO

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
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1	Computer		40	7	Network		
2	Laptops		1	8	Fax		
3	Printer		2	9	Smart Class	intel	1
4	LCD Projector		3	10	Software/ Data base		
5	Net Connection Wi-Fi: Wired:		40/2	11	Others		
6	Scanner						

24. Collaborative Researches :

25. Consultancies :

SI.No	Date	Party Name	Amount
1	20-06-2017	Shanmuga Foundry	Rs-20,000/-

26. No. of NET/SET/GATE/CSIR Qualified students:1

27. MOUs signed :

SI.No	Name of the Company/ Institution	Month & Year
1	KKM Soft Chennai	Feb 2017

28. Innovations and Best Practices :

a. Ideation and Innovation Club

b. Energy club

c. FAME

d. Placement Training

29. Others

SI.NO	Name	Title of the Program	Duration
1.	Prof.Eqbert	Optimization for engineering design	26-09-2016 - 01-10-2016
2.	Prof Vijay	Entrepreneurship awareness camp	11/11/2016
3.	Prof.Eqbert	NTPEL workshop	17-12-2016
4.	Prof.Eqbert	Introduction to linear finite element analysis	09-01-2017-13-01-2017
5.	Prof Vijay	Introduction to linear finite element analysis	09-01-2017-13-01-2017

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff()	0.48
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	1.74
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	0.2
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	0.29
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	0.22
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	0.04
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	0.2
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1251/450)	2.78
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	0.5
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (52/52)	1.75
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (52/7)	17.3
3.3	Gender Ratio	Total number of female students / Total number of male students ()	0.006
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	nil
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	0.56
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	NIL
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	0.82
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	0.3
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	0.9
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	0.05
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	0.72
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	0.3

NAME OF THE DEPARTMENT: SOFTWARE ENGINEERING

1. Department Details :

Name of the School	Computer Science
Name of the HOD, Phone No. and E-mail ID	J.P. Jayan, 9486856112, hodmsc@niuiv.com
Year of Establishment	2011
Telephone Number	04651 – 250566
Website / E mail	www.niu-se.in

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. C. Ratnam Nadar	Ph.D.	Professor	Statistics	43Y	16Y	9486856108
2	Dr. J. Charles	M.Sc. M.Tech, Ph.D	Associate Professor	Software Engineering	26Y	5 Y	9443518604 9486856107 jebapillaicharles@rediffmail.com
3	Mr. J. P. Jayan	M.C.A., M.Phil, (Ph.D)	Assistant Professor	Image Processing	12Y 3M	5 Y	9488081200 9486856112 04651 230359 jevanjp@gmail.com
4	Ms. J.E. Anusha Linta Kostka	B.E., M.B.A.	Assistant Professor	Wireless Technology	156Y 4M	--	9489618534 anu_kostaka@hotmail.com
5	Mr. V.G. Ranjith	M.Sc., M.Tech., (Ph.D.)	Assistant Professor	Image Processing	15Y 3M	--	9994272962 ranjithvgnair@gmail.com
6	Ms. C.R. Sheela Kumari	M.C.A., M.Phil.	Assistant Professor	Image Processing	17Y 3M	5Y	9790291255 Sheelaabi31@yahoo.com
7	Ms. S. Jerine	M.Sc., M.Phil, (Ph.D.)	Assistant Professor	Network Security	12Y 3M	5 Y	9486007267 ssjerine@gmail.com
8	Ms. Melbin J. Reena	M.Sc., M.Phil., M.Tech., (Ph.D)	Assistant Professor	Big Data Analytics	12Y 3M	5 Y	9443449528 mjreena82@gmail.com
9	Ms. M. Merlin Johnsy	M.C.A., M.Phil	Assistant Professor	Algorithms	13Y 7M	5 Y	9487249456 johnsykumar@yahoo.co.in
10	Ms. V. Alan Gowri Phivin	M.C.A., M.Phil, (Ph.D.)	Assistant Professor	Data Mining	12Y 9M	5 Y	9442130260 alanshaney@gmail.com

11	Ms. R.I. Heaven Rose	M.Sc.,M.Phil. I. (Ph.D.)	Assistant Professor	Data Mining	10Y 10M	5 Y	9965406285 heajeysa@yahoo.com
12	Mr. Anup J. Johnson	M.Sc., M.Phil., (Ph.D)	Assistant Professor	Cloud Computing	10Y 4M	5Y	9443450302 anupjohnson@yahoo.com
13	Mr. P.V. Samuel Blessed Nayagam	M.Sc., M.Phil., (Ph.D)	Assistant Professor	Cloud Computing	10Y 1M	5 Y	9443693861 Samblessed05@yahoo.co.in
14	Ms. C.V. Muthu Priya	M.Sc., M.E.	Assistant Professor	Networking	9Y 3M	--	9443386305 mpriyacv@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D
1	Dr. C. Ratnam Nadar	0	0	0	0	0	0	170	350	0	0	0	0	0	0
2	Dr. J. Charles	0	0	1	1	0	0	180	380	0	2	0	0	1	0
3	Mr. J. P. Jayan	1	1	4	11	4	4	140	320	5	18	0	0	5	0
4	Ms. J.E. Anusha Linta Kostka	0	0	0	0	0	0	150	300	0	0	0	0	0	0
5	Mr. V.G. Ranjith	0	0	0	3	0	0	140	310	0	0	0	0	0	0
6	Ms. C.R. Sheela Kumari	0	0	3	7	0	0	150	290	5	15	0	0	4	0
7	Ms. S. Jerine	0	0	4	11	0	0	125	305	5	14	0	0	4	0
8	Ms. Melbin J. Reena	0	0	3	7	0	0	130	300	3	12	0	0	3	0
9	Ms. M. Merlin Johnsy	0	0	2	5	0	0	149	298	5	15	0	0	3	0
10	Ms. V. Alan Gowri Phivin	0	0	4	8	0	0	150	300	4	13	0	0	3	0
11	Ms. R.I. Heaven Rose	0	0	3	7	0	0	150	300	4	14	0	0	3	0

12	Mr. Anup J. Johnson	0	0	1	5	0	0	130	280	6	16	0	0	3	0
13	Mr. P.V.	0	0	2	4	0	0	125	275	5	15	0	0	2	0
	Samuel Blessed Nayagam														
14	Ms. C.V. Muthu Priya	0	0	0	0	0	0	139	280	0	0	0	0	0	0

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	NIL					

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Mr. J. P. Jayan	International Conference on Interdisciplinary Research in Engineering Technology and management	Performance and quality analysis of nutrition from vegetables	28 April 2017, NICHE
2	Mr. J. P. Jayan	International Conference on Interdisciplinary Research in Engineering Technology and management	An efficient video encryption algorithm for scalable video coding	28 April 2017, NICHE
3	Mr. J. P. Jayan	International Conference on Interdisciplinary Research in Engineering Technology and management	Shadow detection and reconstruction in satellite images via morphological filtering and thresholding method	28 April 2017, NICHE
4	Mr. J. P. Jayan	International Conference on Interdisciplinary Research in Engineering Technology and management	A contrast image enhancement using automatic image restoration modeling	28 April 2017, NICHE
5	Mr. J. P. Jayan	International Conference on Interdisciplinary Research in Engineering Technology and management	A machine learning approach on license plates detection using principal visual word	28 April 2017, NICHE

6	Ms. C.R. Sheela Kumari	International Conference on Interdisciplinary Research in Engineering Technology and management	Automatic white blood cell cancer detection in blood using microscopic images	28 April 2017, NICHE
7	Ms. C.R. Sheela Kumari	International Conference on Interdisciplinary Research in Engineering Technology and management	Fingerprint matching using texture and minutiae based descriptor	28 April 2017, NICHE
8	Ms. C.R. Sheela Kumari	International Conference on Interdisciplinary Research in Engineering Technology and management	Analysis of wound in insulin insufficient patient using image process techniques	28 April 2017, NICHE
9	Ms. C.R. Sheela Kumari	International Conference on Interdisciplinary Research in Engineering Technology and management	Segmentation of magnetic resonance images for abnormality detection in brain	28 April 2017, NICHE
10	Ms. S. Jerine	International Conference on Interdisciplinary Research in Engineering Technology and management	Using blind source separation algorithm tracking multitarget in wireless sensor network	28 April 2017, NICHE
11	Ms. S. Jerine	International Conference on Interdisciplinary Research in Engineering Technology and management	Load balanced clustering and dual data uploading for mobile data gathering in wireless sensor networks	28 April 2017, NICHE
12	Ms. S. Jerine	International Conference on Interdisciplinary Research in Engineering Technology and management	Resistant against shoulder surfing attack using a technique pass matrix	28 April 2017, NICHE
13	Ms. S. Jerine	IJCTA - International Journal of control theory and application	Dos Attacks detection in clustered wireless sensor networks using signature based authentication	17 April 2017, NICHE

14	Ms. Melbin J. Reena	International Conference on Interdisciplinary Research in Engineering Technology and management	Health related questions for disease inference using deep Learning model	28 April 2017, NICHE
15	Ms. Melbin J. Reena	International Conference on Interdisciplinary Research in Engineering Technology and management	Efficient traffic-aware partition and aggregation in map reduce using distributed algorithm	28 April 2017, NICHE
16	Ms. Melbin J. Reena	International Conference on Interdisciplinary Research in Engineering Technology and management	Extracting medical health records in a graph based approach for disease diagnosis	28 April 2017, NICHE
17	Ms. M. Merlin Johnsy	International Conference on Interdisciplinary Research in Engineering Technology and management	Efficient communication in underwater acoustic sensor networks	28 April 2017, NICHE
18	Ms. M. Merlin Johnsy	International Conference on Interdisciplinary Research in Engineering Technology and management	Hole detection and healing using modified sensor deployment algorithm	28 April 2017, NICHE
19	Ms. V. Alan Gowri Phivin	IJCTA - International Journal of control theory and application	A Flexible Algorithm for conversion of RGB Image to Gray Image using MATLAB	17 April 2017, NICHE
20	Ms. V. Alan Gowri Phivin	International Conference on Interdisciplinary Research in Engineering Technology and management	Television visual effect protection through extended data mining with object detection censoring	28 April 2017, NICHE
21	Ms. V. Alan Gowri Phivin	International Conference on Interdisciplinary Research in Engineering Technology and management	Local ternary co-occurrence patterns: a new feature description MRI and CT image retrieval	28 April 2017, NICHE

22	Ms. V. Alan Gowri Phivin	International Conference on Interdisciplinary Research in Engineering Technology and management	Image clustering using multichannel decoded local binary pattern	28 April 2017, NICHE
23	Ms. R.I. Heaven Rose	IJCTA - International Journal of control theory and application	Improving Feature selection through global discretization for content based image retrieval and classification	17 April 2017, NICHE
24	Ms. R.I. Heaven Rose	International Conference on Interdisciplinary Research in Engineering Technology and management	An efficient method to analyze lung disorders on smokers and nonsmokers	28 April 2017, NICHE
25	Ms. R.I. Heaven Rose	International Conference on Interdisciplinary Research in Engineering Technology and management	Improved neural network algorithm for classification of pesticide toxin	28 April 2017, NICHE
26	Mr. Anup J. Johnson	International Conference on Interdisciplinary Research in Engineering Technology and management	Storm alert system in WSN using cloud computing	28 April 2017, NICHE
27	Mr. P.V. Samuel Blessed Nayagam	International Conference on Interdisciplinary Research in Engineering Technology and management	Cryptography and steganography combining using chaos algorithm for data hiding	28 April 2017, NICHE
28	Mr. P.V. Samuel Blessed Nayagam	International Conference on Interdisciplinary Research in Engineering Technology and management	Mona - providing security with dynamic ownership management in multi cloud storage	28 April 2017, NICHE

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Nil				

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
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1	Mr. J. P. Jayan	Chief Guest	Republic Day Celebration	Social Activities	LMS Boys Higher Secondary School, Marthandam. 26 January 2017
2	Mr. J. P. Jayan	Chief Guest	National level symposium	Advanced computing	Noorul Islam College of Arts and Science, Kumaracoil, Kanyakumari Dt. 08-02-2017
3	Mr. J. P. Jayan	Resource Person	Technothirst-17	Smart phones and mobile technology	Nanjil catholic college of arts and science, Kalliyakavillai, Kanyakumari Dt. &21-02-2017

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Melbin J. Reena	SEBEX' 16 EPICANO	National Level	07 October 2016

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	Mr. J. P. Jayan	Performance and quality analysis of nutrition from vegetables	Journal of Emerging and Technology 0973-2993	12,2	2017	28 - 32
2	Mr. J. P. Jayan	An efficient video encryption algorithm for scalable video coding	Journal of Emerging and Technology 0973-2993	12,2	2017	33 – 40
3	Mr. J. P. Jayan	Shadow detection and reconstruction in satellite images via morphological filtering and thresholding method	Journal of Emerging and Technology 0973-2993	12,2	2017	41 – 54
4	Mr. J. P. Jayan	A contrast image enhancement using automatic image restoration modeling	Journal of Emerging and Technology 0973-2993	12,2	2017	71 – 77

5	Ms. C.R. Sheela Kumari	Fingerprint matching using texture and minutiae based descriptor	Journal of Emerging and Technology 0973-2993	12,2	2017	19 - 27
6	Ms. C.R. Sheela Kumari	Analysis of wound in insulin insufficient patient using image process techniques	Journal of Emerging and Technology 0973-2993	12,2	2017	78 - 83
7	Ms. C.R. Sheela Kumari	Segmentation of magnetic resonance images for abnormality detection in brain	Journal of Emerging and Technology 0973-2993	12,2	2017	88 - 92
8	Ms. S. Jerine	Using blind source separation algorithm tracking multitarget in wireless sensor network	Journal of Emerging and Technology 0973-2993	12 , 2	2017	1 - 4
9	Ms. S. Jerine	Load balanced clustering and dual data uploading for mobile data gathering in wireless sensor networks	Journal of Emerging and Technology 0973-2993	12 , 2	2017	15-18
10	Ms. S. Jerine	Resistant against shoulder surfing attack using a technique pass matrix	Journal of Emerging and Technology 0973-2993	12 , 2	2017	19-22
11	Ms. S. Jerine	Dos Attacks detection in clustered wireless sensor networks using signature based authentication	International Journal of control theory and application	10,27	2017	119-125

12	Ms. Melbin J. Reena	Health related questions for disease inference using deep Learning model	Journal of Emerging and Technology 0973-2993	12 , 2	2017	5-9
13	Ms. Melbin J. Reena	Efficient traffic-aware partition and aggregation in map reduce using distributed algorithm	Journal of Emerging and Technology 0973-2993	12 , 2	2017	10-15
14	Ms. Melbin J. Reena	Extracting medical health records in a graph based approach for disease diagnosis	Journal of Emerging and Technology 0973-2993	12 , 2	2017	23-28
15	Ms.M. Merlin Johnsy	Efficient communication in underwater acoustic sensor networks	Journal of Emerging and Technology 0973-2993	12 , 2	2017	61-66
16	Ms.M. Merlin Johnsy	Hole detection and healing using modified sensor deployment algorithm	Journal of Emerging and Technology 0973-2993	12 , 2	2017	50-54
17	Ms.V. Alan Gowri Phivin	A Flexible Algorithm for conversion of RGB Image to Gray Image using MATLAB	International Journal of control theory and application 0974-5572	10,27	2017	153-161
18	Ms.V. Alan Gowri Phivin	Television visual effect protection through extended data mining with object detection censoring	Journal of Emerging and Technology 0973-2993	12 , 2	2017	60-65
19	Ms.V. Alan Gowri Phivin	Local ternary co-occurrence patterns: a new feature description MRI and CT image retrieval	Journal of Emerging and Technology 0973-2993	12 , 2	2017	38-42

20	Ms.V. Alan Gowri Phivin	Image clustering using multichannel decoded local binary pattern	Journal of Emerging and Technology 0973-2993	12 , 2	2017	31-37
21	Ms.R.I.Heaven Rose	Improving Feature selection through global discretization for content based image retrieval and classification	International Journal of control theory and application 0974-5572	10,27	2017	153-161
22	Ms.R.I.Heaven Rose	Improved neural network algorithm for classification of pesticide toxin	Journal of Emerging and Technology 0973-2993	12 , 2	2017	38-42
23	Ms.R.I.Heaven Rose	An efficient method to analyze lung disorders on smokers and nonsmokers	Journal of Emerging and Technology 0973-2993	12 , 2	2017	31-37
24	Mr.Anup J. Johnson	Storm alert system in WSN using cloud computing	Journal of Emerging and Technology 0973-2993	12 , 2	2017	6-10
25	Mr. P. V. Samuel Blessed Nayagam	Cryptography and steganography combining using chaos algorithm for data hiding	Journal of Emerging and Technology 0973-2993	12 , 2	2017	78-80
26	Mr.P.V.Samuel Blessed Nayagam	Mona - providing security with dynamic ownership management in multi cloud storage	Journal of Emerging and Technology 0973-2993	12 , 2	2017	81-85

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	NIL				

10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
	NIL			

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength					Pass Percentage of outgoing batch					
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III		IV		V		
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F	M	F	M	F
1	UG Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	PG Courses	5	6	11	3	1	3	4										4	4	10	5	15	4	19	6	80	
3	M.Phil. Programme	26	4	30	1	2	3	23					0	1				-	-	-	-	-	-			100	
4	Ph.D Programme	1	1	2	0	1	1	0																		100	
5	Diploma / PG Diploma/ Certificate Courses (if any)																										
6	Total	32	11	43	4	4	7	27					0	1				4	4	10	5	15	4	19	6		

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
	M. Sc. Software Engineering	Indian	Kerala	01	-	01

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total	FT	PT	Total	FT	PT	Total		
1	Male	-	Male	14	Male	04	-	4	Male	-	1	1
2	Female	-	Female	6	Female	26	-	26	Female	-	-	-

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NIL				
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	-	-	-	-	-
2	B.C.M.(State)	-	-	-	-	-	-	-
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	-
4	SC/SCA/ST(National)	-	-	-	-	-	-	-
5	SC/SCA/ST(State)	-	-	-	-	-	-	-
6	First Generation Free Education	-	-	-	-	-	-	-
7	Loan Scholarship	-	-	-	-	-	-	-

8	Others (Specify the name of the scholarship)	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8		S9		S10	
		App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s	App	Pas s
1	M.S c. SE	13	06	11	02	8	5	8	5	16	08	15	07	19	17	19	14	25	21	25	20
2	M.P hil CS	30	30	30	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator : Mr. Anup J. Johnson			
Phone/Mobile Number : 9443450302		e-mail: anupjohnson@yahoo.com	
Number of Placement Programmes: 4			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	12	4
2	Number of Placements obtained through Campus Interview	0	0
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	63%	66%

18. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1	NIL		

19. Outstanding achievements by Students:

S. No.	Name of the Student	Achievements	Agency
1	Malik Aubaid	Participating Smart India Hackathon, 2017	New Delhi Institute of Management, Govt. of India
2	Abington R Durai	Participating Smart India Hackathon, 2017	New Delhi Institute of Management, Govt. of India

20. Department Meeting Held: Programme Committee, Course Committee etc. BOS

S.No	Name	Dates
1	Board of Studies	06-02-2017, 27-05-2017
2	Programme Committee(2016- 2017 ODD)	09-08-2016, 20-09-2016, 17-10-2016
3	Programme Committee(2016- 2017 EVEN)	23-02-2017, 30-03-2017, 05-05-2017
4	Department Meeting	23-07-2016, 17-10-2016, 03-01-2017 19-05-2017
5	Class Committee (2016-2017 ODD)	08-08-2016, 06-09-2016, 05-10-2016

6	Class Committee (2016-2017 EVEN)	12-01-2017, 15-02-2017, 03-04-2017
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21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1.	Software Lab 1	Computer	34	Practical
2.	Software Lab 2	Computer	28	Research
3.	Software Lab 2	Epson LCD Projector	1	Research

22. Extension activities carried out:

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Nil			
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	934	7	No. of titles available	113
2	Books added during the year 2015	331	8	No. of CDs and Digital Books available	42
3	No. of Indian Journals/Magazines	--	9	No. of Foreign Magazines/Journals	--
4	No. of data bases available	--	10	No. of Online Journals	--
5	Average No. of students visiting the Library per day	09	11	Average No. of books Issued per day	02
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 Mbps	12	Availability of Language Lab	Nil

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer	PDC Ci3	18 10	7	Network	-	10
2	Laptops	-	00	8	Fax	-	00
3	Printer	-	01	9	Smart Class	-	00
4	LCD Projector	EPSON EBX 02	01	10	Software/ Data base	-	03
5	Net Connection Wi-Fi: Wired:	D – Link	10 10	11	Others	-	
6	Scanner	-	00				

24. Collaborative Researches: Nil

25. Consultancies: Nil

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed: Nil

28. Innovations and Best Practices:

- Guided Lecture
- Usage of Visual aids in Teaching
- Improved Teaching based on student feed back
- Guest Lectures

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (03/14)	1: 5
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (26/14)	2 : 1
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (44/14)	3 : 1
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (NIL)	NIL
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (2/14)	1:7
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (NIL)	NIL
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (18/108)	1:9
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (934/108)	8:1
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (24/24)	1:1
2.4	Constructed area per student	Total constructed area / Total number of students (5000 sq.ft / 118)	42 : 1
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (108/108)	1:1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (108/14)	7:1
3.3	Gender Ratio	Total number of female students / Total number of male students (50/58)	1:1
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (Nil)	NIL
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (26/108)	1:4
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (NIL)	NIL
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (20/25)	1:1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll (43,000x108/108)	43000:1
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships (NIL)	NIL
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (NIL)	NIL
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (30/30)	1:1
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted (3/108)	1:36
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (16 /20)	1:1
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students (NIL)	NIL

NAME OF THE DEPARTMENT: NANOTECHNOLOGY

1. Department Details :

Name of the School	Faculty of Technology
Name of the HOD, Phone No. and E-mail ID	Dr. P.K. Praseetha, 9486855091, crkpkp@gmail.com
Year of Establishment	2009
Telephone Number	
Website / E mail	nanohod@niuniv.com
Special Status : (if any)	

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr. S. Balamurugan	M.Sc., Ph.D	Associate Professor	Material Science	5.5 yrs		scandium.chemistry@gmail.com
2	Dr. Praseetha. P. K.	M.Sc., Ph.D	Assoc. Prof. & Head	Biotechnology	10.5 yrs		crkpkp@gmail.com
3	Mrs. T. K. Sreeja	M.E, Ph.D	Assistant professor	Communication Systems	7yrs		sreejaeng07@gmail.com
4	Mrs. O. Jeba Shiney	M. E	Assistant professor	Digital Communication and Network Engineering	10 yrs		jebashiney@gmail.com
5	Mr. R. S. Rimal Isaac	M.Tech, Ph.D	Assistant professor	Biotechnology	8yrs		rimalisaac@gmail.com
6	Dr. M. Prabu	M.Sc., Ph.D	Assistant Professor	Material Science	3yrs		mprabhuaps@gmail.com

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publication		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil	Ph.D.
	Dr. S. Balamurugan		12		95		516					1	1		

Dr. Praseetha. P. K.		4		56		80	288.	288.	3	18	2	4		11
Mrs. T. K. Sreeja		3		6										
Ms. O. Jeba Shiney		-		5										
Mr. R. S. Rimal Isaac	-	5	-	17	2	78	125	127.	-	-	-	-	-	-
Dr. M. Prabu		4		10		42								

4.. Research Schemes/Projects undertaken :NIL

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						

5. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Praseetha P.K	International conference on Reproductive Health with emphasis on strategies for Infertility assisted reproduction and Family Planning (ISSRF) organized by Indian council of Medical Research, New Delhi	Evaluation of the Zinc Ferrite Nanoparticles for Bio-applications	23 rd – 25 th January 2017
2	Praseetha P.K	International Conference on Environmental Sustainability for food security. SreeAyyappa College for Women, Nagercoil.	Silica based hybrid scaffold for bone regeneration	22 nd - 24 th Sep. 2016
3	Praseetha P.K	International Conference on Nanomedicine and Tissue engineering (ICNT), Mahatma Gandhi University, Kerala.	Agricultural waste derived silk silica nanocomposite for bone regeneration	12 th -14 th August. 2016
4	Praseetha P.K	Indo- UK workshop on Clean water through advanced and affordable materials - Newton Fund, British Council and Royal Society of Chemistry, Chennai	Nanoscale metal oxide doping improves photo catalytic and antimicrobial properties of g-C ₃ N ₄	8-10 August. 2016

			nanosheets for water purification applications	
5	Praseetha P.K	Conference on Emerging Materials, Indian Institute of Sciences, CEMAT-	Synthesis and characterization of lanthanum modified PZT (52/48) powders for MEMS applications	18 th -19 th July. 2016

b) Foreign Faculty/Expert visit to the Department: NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. R.S.Rimal Isaac	Guest Speaker	Colloquium	Biosensors in medicine	Dr. G.R. Damodaran College of Science 27/01/2017
2	Praseetha P.K	Plenary lecture	International Conference	Application of nanoparticles in waste water treatment for a clean environment	SreeAyyappa College for Women, Nagercoil, 22 nd - 24 th Sep. 2016
3	Praseetha P.K	Invited talk	National Conference	Graphenebasednanomaterials for Biomedical Applications	A.V.V.M Sri Pushpam College, Poondi, Thanjavur, 4-5 March 2017

7. Details of Seminars, Conferences and Refresher courses Organised:

S. No.	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1	Workshop on LABVIEW programming environment	State Level	2,3 rd sep 2016

7. Publication of Research Papers at the State/National/International Levels:

S I. N o	First Author Name	Other Author Details	Title of Paper	Journ al Name/ Publis hers	Ye ar ise	Vo lu me	Issue/N umber	Pa ge s	p- ISS N/ Eiss n
1	B. C. Bright lin	S. Balamurugan	Design and Simulation of Multi Band Microstrip Antenna for X Band and Ku Band Applications Using Nano Barium Hexa- ferrite, BaFe ₁₂ O ₁₉	Adv. Sci. Eng. Med.	20 16	8		52 1 - 52 5	216 4- 662 7
2	B. C. Bright lin	S. Balamurugan	The effect of post annealing treatment on the citrate sol-gel derived nanocrystalline BaFe ₁₂ O ₁₉ powder: structural, morphological, optical and magnetic properties	Appl. Nanos ci.	20 16	6		11 99 - 12 10	219 0- 551 7
3	S. Bala muru gan	A. J. Linda Philip, and R. S. Vidya	A versatile combustion synthesis and properties of Nickel Oxide (NiO) Nanoparticles	J. Super cond. Nov. Magn.	20 16	29		22 07 - 22 12	155 7- 193 9
4	S. Bala muru gan	S. V. Sreenija	Studies on Monoclinic Zirconia (ZrO ₂) Powder Heat Treated with NaCl Flux and Its NIR Reflective Pigment Application	Adv. Sci. Eng. Med.	20 16	8		22 2- 22 7	216 4- 662 7

5	S. Balamurugan	M. Anto Godwin, B. C. Brightlin, K. Mahitha Shri, and N. Palanisami	Impact of Annealing Temperature on As-milled Perovskite Manganite, BaMnO ₃ Powder	Adv. Sci. Eng. Med.	2016	8		31-35	2164-6627
6	S. Balamurugan	K. Dheebikha, and T. S. Gokul Raja	Nanocrystalline Gd ₂ Ti ₂ O ₇ Pyrochlore Material for NIR Reflective Pigment Application: Micro-Structural and Optical Studies	J. Nanosci. Nanotechnol.	2016	16		677-688	1533-4880
7	M. Prabu	I. B. Shameem Banu, S. Gobalakrishnan and P. K. Praseetha	Structural studies and electrical properties of PZT (52/48) electroceramics synthesized by sol-gel route	J. Mater. Sci. Mater. Electron.	2016	27	5	5351-5356	0957-4522/1573-482X
8	M. Prabu	R. Jeniffa, S. Gobalakrishnan, P. K. Praseetha and T. Arun	Dielectric Properties of Lanthanum Doped Pb(Zr _{0.52} Ti _{0.48})O ₃ Ferroelectric Nonoceramics	Nanosci. Nanotechnol. Lett.	2016	8	7	723-728	1941-4900/1941-4919
9	Athifa Mariyam	Praseetha P K, Rimal Isaac R S	Phytochemical Profile and Pharmacognostic Properties of Adhatoda Species: A Review	Advanced Science, Engineering and Medicine	2016	8	9	669-675	ISSN: 2164-6627 (print); EISN: 2164-6635 (online)

10	Pavya T	Praseetha P K, Rimal Isaac R S	Green Synthesis of Gold Nanoparticles Using Plant Sources for Cancer Therapy: A Review	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2016	7	5	472-480	0975-8585
11	Raziya Fathima	Praseetha P K, Rimal Isaac R S	Microbial Degradation of Plastic Waste: A Review	Journal of Pharmaceutical, Chemical and Biological Sciences	2016	4	2	231-242	ISSN: 2348-7658
12	Sumathi Lema C	Praseetha P K, Rimal Isaac R S	Biopolymer from Natural Rubber and Starch: A Review	American Journal of Pharm Tech Research	2016	6	4	28-40	2249-3387
13	Rimal Isaac R S	Praseetha P K	Zinc(II) Ion Selective Electrodes	International Journal of Pharmaceutical Sciences Review and Research	2016	38	1	41-50	0976-044X

14	Rimal Isaac R S	Praseetha P K	Artificial Neural Network Optimization of a Carbon Paste Electrode for the Detection of Zinc Ions	Nano Biome dicine and Engin eering	20 16	8	1	47 – 53	ISS N 215 0- 557 8
15	Ravic handran K	Chidhamb aram N., Gobalakris hnan S	Copper and Graphene activated ZnO nanoparticles for enhanced photocatalytic and antibacterial activities. Journal of Physics and Chemistry of Solids	Journ al of Physics and Chemi stry of Solids	20 16	93		82 – 90	002 2- 369 7
16	Ravic handran K	Nithiyadevi K, Gobalakris hnan S, Swaminat han K, Sakthivel B	Enhancement of photocatalytic efficiency of ZnO nanoparticles through Ag + graphene addition	Materi als Techn ology	20 16	31	14	86 5- 87 1	175 3- 555 7
17	Ravic handran K	Chidhamb aram N, Arun T, Velmathi N, Gobalakris hnan S	Realizing cost-effective ZnO: Sr nanoparticles@graphene nanosheets for improved photocatalytic and antibacterial activities	RSC Advan ces	20 16	6		67 57 5- 67 58 5	204 6- 206 9
18	Prase etha P.K	Anooj ES, Pavithra KH, Danieking sley J	Biodiversity survey on Medicinal and Ornamental plants in VIT University	Intern ational Journ al of Scienti fic & Engin eering Resea rch	20 16	7	10	18 81 - 18 98	ISS N 222 9- 551 8

19	Praseetha P.K	S.T. Gopukumar, Sana Fathima T.K., Princy Alexander, Vinotha Alex	Evaluation of Antioxidant Properties of Silver Nanoparticle Embedded Medicinal Patch	Nanomedicine and Nanotechnology	2016	1			ISS N: 215 7-743 9
20	Praseetha P.K	Princy Alexander, Sana Fathima T.K., Jeniffa R	Scaffolds Used for Bone Tissue Regeneration: Review. Research Journal of Pharmaceutical, Biological and Chemical Sciences	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2016	7	5	1624 - 1636	ISS N 097 5-858 5
21	Praseetha P.K	M. Anto Godwin and P. Parthiban	Preparation and characterization of thin g-C ₃ N ₄ nanosheet: special attention to photocatalytic activity under ultraviolet light	Advanced Science Engineering and Medicine	2016	8	10	790-795	ISS N: 216 4-662 7
22	Praseetha P.K	Princy Alexander, M. Jainambo	Silica Coated Liposomes for Drug Delivery towards Breast Cancer Cells	Rasayan Journal of Chemistry	2016	9	3	300-308	ISS N: 097 4-149 6
23	Praseetha P.K	Pratheeba, Lathika So masundaram, G. Sakthivel	Plant based indian traditional medicine for neurodegenerative diseases - a novel approach to treat Alzheimer	Int J Pharm Bio Sci	2016	7	4	83 - 92	ISS N 097 5-629 9

24	Praseetha P.K	Princy Alexander	Synthesis & Characterization of Silk/Surface Modified Silica Nanocomposites Using Sol - Gel Technique for Bone Applications	Int. J. Pharm. Sci. Rev. Res	2016	38	2	252-255	0976-044X
25	Praseetha P.K	Shafeeqbusthan	Analysis of water purification efficiency of graphene sand nanocomposite-	International Journal of Engineering Research in Africa	2016	24		17-25	1663-4144
26	Praseetha P.K	Shana N. Shah, M. Murugan, S. T. Gopukumar	A comparative study of two selected Ocimum species with relevance to phytochemical, antimicrobial and molecular isolation	Journal of Chemical and Pharmaceutical Research	2016	8	3	1014-1020	0975-7384
27	Praseetha P.K	Jainamboom	Potential of Liposome-incorporated Antimicrobial drugs for treatment in clinically important bacterial strains	Journal of Chemical and Pharmaceutical Research	2016	8	2	668-677	0975-7384
28	Praseetha P.K	Bindhu B*, Sharu BK, Gopika MS	Molybdenum disulfide nanoflakes through Li-AHA assisted exfoliation in aqueous medium	RSC Advances	2016	6		22026-22033	2046-2069

29	Praseetha P.K	Swathy J.S., SakthivelG	Targeted therapy for breast cancer cells by herbal drug formulations of iron oxide nanoparticles	Asian J. of pharm a. and cli n. Res	2016	9	1	347-353	Online ISSN N-2455-3891, Print ISSN N-0974-2441
30	Praseetha P.K	DhevahiElumalei, Jainambo Meera, BalamuruganSanthalingam, Arvind Srinivasan	Furoquinolones Resistant Escherichia Coli A uropathogen needs- urgent monitoring and surveillance: A pilot study between 2014 to 2016	World journal of pharmaceutical and medical research	2016	2	6	187-190	ISS N:2455-3301
31	Praseetha P.K	Sumayya P.A., Gopukumar S.T., MuruganM	Estimation of phytochemical, antimicrobial and molecular comparison of fruit extracts of Garcinia cambogia and Tamarindus indica	Res. J. of pharm a. Chem. & Bio. Sci.	2016	7	1	1256-1263	0975-8585
32	B. C. Brightlin	S. Balamurugan	The effect of different alkali metal chloride fluxes on the phase formation and properties of Sr-based hexaferrite, SrFe ₁₂ O ₁₉ materials	J. Mater. Sci: Mater. Electron.	2017	28		11907-11914	0957-4522

33	S. Balamurugan	R. Ragasree, T. K. Sana Fathima, and B. C. Brightlin	Novel Single Step Combustion Synthesis of Nanocrystalline MgFe ₂ O ₄ Materials Using Hexamethylenetetramine as a Fuel: Properties and Features	J. Super cond. Nov. Magn.	20 17	30		22 11 - 22 18	1557 - 1939
34	B. C. Brightlin	S. Balamurugan, and T. Arun	Micro-structural and magnetic features of SrFe ₁₂ O ₁₉ materials synthesized from different fuels by sol-gel auto combustion method	J. Super cond. Nov. Magn.	20 17	30		14 27 - 14 37	1557 - 1939
35	S. Aparna	S. Balamurugan, T.K. Sana Fathima, S.V. Sreenija, and N. Palanisami	Structural Characterization of High Energy Ball Milled Nanocrystalline Vanadium (V) Oxide (V ₂ O ₅) Powder	Adv. Sci. Eng. Med.	20 17	9		18 8- 19 4	2164 - 6627
36	T. K. Sana Fathima	S. Balamurugan, and T. S. Gokul Raja	Attempts to Stabilize the Zn _{1-x} Sn _x O Series by Mechano-Thermal Route	Adv. Sci. Eng. Med.	20 17	9		10 5- 11 4	2164 - 6627
37	T. K. Sreeja	B. C. Brightlin, S. Balamurugan, J. Jayakumari	Multiband layered patch antenna using nanoengineered dielectric substrate, BaFe ₁₂ O ₁₉	Adv. Sci. Eng. Med.	20 17	9		91 - 97	216 4- 662 7
38	B. C. Brightlin	S. Balamurugan	Magnetic, Micro-Structural, and Optical Properties of Hexa-Ferrite, BaFe ₁₂ O ₁₉ Materials Synthesized by Salt Flux Assisted Method	J. Super cond. Nov. Magn.	20 17	30		21 5 - 22 5	155 7- 193 9

39	P.K. Praseetha	E.S. Anooj, S.J. Sreelekshmi, S.T. Gopukumar	Evaluation of the Zinc Ferrite Nano particles for Bio-applications	Int. J. Pharm. Sci. Rev.	2017	46	1	22 - 26	ISS N: 0976-044X
40	P.K. Praseetha	Anooj E.S., S.T. Gopukumar	Synthesis and Characterization of carbon based nanostructures from natural sources	J. Global Trends Pharm	2017	8	3	4268 - 4277	Issn : 1943-023X
41	P.K. Praseetha	Princy Alexander, Maria Celestin Vijila	Cytotoxicity, genotoxicity and cell adhesion study of electrospun silk/surface modified nanosilica composite for bone regeneration applications	Int J Pharma Bio Sci	2017	8	3	366-372	ISS N 0975-6299
42	P.K. Praseetha	AkhilaRajan, S.T. Gopukumar	Chitosan nanoparticles for drug delivery – A mini review	J. Global Trends Pharm Sci	2017	8	3	4181 - 4190	ISS N 2230-7346
43	Praseetha P.K	M. Jainamboos, S.T. Gopukumar	Improving the clinical efficacy of drugs by liposomes against resistant bacteria (MDR bacteria) – an in vitro study	Int J Pharma Bio Sci	2017	8	3	42 - 57	ISS N 0975-6299
44	Praseetha P.K	Sharmistha Dutta Choudhury, Jiddhu M. Chethodil, Poojan Milan Gharat	pH-Elicited Luminescence Functionalities of Carbon Dots: Mechanistic Insights	J. Phys. Chem. Lett.,	2017	8	7	1389 - 1395	1948 - 7185

45	Praseetha P.K	Jainamboom	Screening of Methicillin Resistant Staphylococcus aureus Isolates by Different Advanced Techniques in Hospital Settings, Research Journal of Pharmaceutical, Biological and Chemical Sciences	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2017	8	2	2716-2725	ISSN 0975-8585
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9. Details of patents applied/registered: NIL

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs: NIL

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. No.	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community											Existing Students, Strength						Pass Percentage of outgoing batch			
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III		IV		
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F	M	F
	UG Programme	4	2	6																					
	PG Courses	2	1	3																					
	M.Phil. Programme																								
	Ph.D Programme																								
	Diploma / PG Diploma / Certificate Courses (if any)																								
	Total																								

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1	B.Tech/ NT	Indian	Kerala	1		1
2	M.Tech/ NT	Indian	Kerala		1	1

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	male	1	male		male				male	1		1
	female	2	female	1	female				female		2	2

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NICHE PhD Fellowship		2		2
2					

15. Scholarships Awarded: NIL

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pass	App.	Pass	App.	Pas s	App.	Pa ss	App.	Pa ss
1	B. Tech	-	-	-	-	5	5	5	5	4	4	4	4	3	3	3	3

17. Placement Details:

Name of the Placement co-ordinator : Dr. M. Prabu			
Phone/Mobile Number : 9943373209 e-mail: mprabuaps@gmail.com			
Number of Placement Programmes: 1			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	Nil	1

2	Number of Placements obtained through Campus Interview	Nil	1
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	0/2	1/2

18. Outstanding achievements by the Faculty Members: NIL

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	T.K Sana Fathima	85 th rank in GATE exam	
2			

20. Department Meeting Held :
Programe Committee, Course Committee etc. BOS

S.No	Name	Date
1.	Course Committee Programme Committee Etc.	Conducted twice in a semester

21. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) :

Sl. No	Name of the lab	Name of the equipment	Quantity	Purpose
1	Nano Characterization Laboratory	Atomic Force Microscope, XE-70, Park System, Korea	one	Research as well as Practical
2		Electro Chemical Work Station, CHI Instruments 604 D, USA	one	Research as well as Practical
3		Particle Size Analyser, CPS Instruments DC 12000, USA	one	Research as well as Practical
4		FTIR, Bruker, Alpha T, Germany	one	Research as well as Practical
5		TGDTA, SIINT 6300, Japan	one	Research as well as Practical
6		Ball Mill, PM 100, Germany	one	Research as well as Practical
7		Elga Ultra-Pure Water, Pure lab Q7, UK	one	Research as well as Practical
8		UV-Vis Spectrophotometer, Systronics, 2202, India	one	Research as well as Practical
9		Surface Area Analyzer, Smart Instruments SS-9, India	one	Research as well as Practical
10	Nano Applications & Research Laboratory	Tubular Furnace	one	Research

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Cleanliness Drive	Govt Office	03/02/2017	ADSP Office
2	Dengue Awareness Programme	Natives of Thuckalay	13/11/2017	Kumarakoil

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	449	7	No. of titles available	376
2	Books added during the year 2016	-	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/ Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available		10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	0.5	11	Average No. of books Issued per day	0.2
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	100 Mbps	12	Availability of Language Lab	No

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifi-ations	Nos.	S. No.	Name of the Equipment	Specifi-ations	Nos.
1	Computer		-	7	Network		
2	Laptops		1	8	Fax		
3	Printer		2	9	Smart Class		1
4	LCD Projector		1	10	Software/ Data base		
5	Net Connection Wi-Fi: Wired:			11	Others		

24. Collaborative Researches :

25. Consultancies :

The Nanocharacterizations laboratory involved in testing, analysis of nanomaterials for the students, faculties, scholars from various institutions and industry.

1	July-2016	13,900
2	August-2016	4,050
3	September-2016	1,400
4	October-2016	600

5	November-2016	10,150
6	December-2016	150
7	January-2017	1,550
8	February -2017	2,275
9	March- 2017	5,800
10	April-2017	10,820
11	May-2017	400
Total Amount Generated in 2015-16		51095

26. No. of NET/SET/GATE/CSIR Qualified students:1

27. MOUs signed : NIL

28. Innovations and Best Practices :

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff()	2/6
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ()	45/6
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	45/6
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	1/6
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	1/6
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	-
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	10/25
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students	449/25
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	20/25
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted	25/25
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members	25/6
3.3	Gender Ratio	Total number of female students / Total number of male students ()	17/8
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	2/25
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ()	4/4
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	11/25
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	7
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted ()	-
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ()	1/4
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	3/4

NAME OF THE DEPARTMENT: ENGLISH

1. Department Details :

Name of the School	Faculty of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Prof. A. Khaleel Rahuman , 9486840283 , 9486507559, khaleelniu@gmail.com
Year of Establishment	1989
Telephone Number	9486840283 , 9486507559
Website / E mail	Nil

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1.	Dr. M. L. Narayanan	M.A., M. Phil., Ph.D., D.Lings.	Prof.	Indian Writing in English	41	5	rush to ml@yahoo.com
2.	Dr. B. Krishnan	M.A., M. Phil., Ph.D.	Prof.	British Literature	41	5	krishnan_b_ngl@yahoo.co.in
3.	Prof. A. Khaleel Rahuman	M.A., M. Phil.	Associate Prof. & HOD	American Literature - Postmodernism	23	10	khaleelniu@gmail.com 9486840283, 9486507559
4.	Dr. M. Ilankumaran	M.A., M. Phil., M.Com., MBA, Ph.D.	Associate Prof. & Research programme Coordinator	ELT	11	8	mikumaran@yahoo.com 9443482904
5.	Dr. R. Abilasha	M.A., M. Phil. Ph.D.	AP	ELT	10	6	abilashaeng@yahoo.com 9487082904
6.	Ms. P. Deepa	M.A., M. Phil.	AP	ELT	11	5	deepam_nice@rediffmail.com 9994850845
7.	Ms.V. S. Bindhu	M.A., M. Phil.	AP	Indian Writing in English	10	6	bindhuniu@gmail.com 9442364135
8.	Ms. J. Sheila	M.A., M. Phil., M.A., M.Sc.	AP	Canadian Literature	16	3	jsheilasofi@gmail.com 9445150802
9.	Dr. G. Anand Binod Singh	M.A., B.Ed., M. Phil.	AP	Indian Writing in English	10	3	Anand_gk79@yahoo.co.in

10.	Ms. M. Kohila	M.A., B.Ed., M. Phil.	AP	Indian Writing in English	10	2	Kohisatha2005@gmail.com 9488272334
11.	Mr. M. Rakesh Babu	M.A., B.Ed., M.Phil.	AP	Canadian Literature	08	5	rakeshbabukarthika@gmail.com 9543440488
12.	Dr. K.M. Arun	M.A., M. Phil., Ph.D.	AP	African- American Literature	04	5	kmarun98@gmail.com 9843680386
13.	Dr. R. Jinu	M.A., M. Phil., Ph.D.	AP	Subaltern Literature	13	4	jichelnu@gmail.com 9442079534
14.	Ms. T. Deebika Cranapu	M.A., M. Phil.	TA	Indian Writing in English	02	-	deebst2014@gmail.com 9500865626
15.	Ms. V. T. Parvathykutty	M. A., NET QUALIFIED	AP	-	-	-	parvathyvt@gmail.com 9562697612

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		ublication		Citation s		API		M.Phil. awarde d		Ph.D. awarded		Cumulati ve Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil.	Ph. D.
1.	Dr. M. L. Narayanan	-		03		-		-		03		-		03	-
2.	Dr. B. Krishnan	-		04		-		-		04		-		04	-
3.	Prof. A. Khaleel Rahuman	-		03		-		110		03		-		03	-
4.	Dr. M. Ilankumaran	h index:1		09		02		110		06		01		06	01
5.	Dr. R. Abilasha	h index:1		06		02		110		05		-		05	-
6.	Ms. P. Deepa	-		07		-		100		05		-		05	-
7.	Ms. V. S. Bindhu	-		05		-		100		05		-		05	-
8.	Ms. J. Sheil	-		08		-		90		-		-		-	-
9.	Ms. M. Kohila	-		09		-		90		-		-		-	-
10.	Mr. M. Rakesh Babu	-		08		-		100		-		-		-	-

11.	Dr. K.M. Arun	-	05	-	90	06	-	06	-
12.	Dr. R. Jinu	-	05	-	100	05	-	05	-
13.	Ms. T. Deebika Cranapu	-	05	-	90	-	-	-	-
14.	Ms. V. T. Parvathykutty	-	08	-	90	-	-	-	-

4. Research Schemes/Projects undertaken: NIL

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1.	NIL		NIL	NIL	NIL	NIL
2.						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1.	Dr. M. Ilankumaran	Auxilium College (Autonomous) Vellore, Tamilnadu,	Teaching Poetry – An Innovative Method of Developing Speaking Skills in English	17 th Feb, 2017

b) Foreign Faculty/Expert visit to the Department: NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1.	NIL	NIL	NIL	NIL	NIL
2.					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1.	Dr. M. Ilankumaran	Resource Person	Literary Association for B.A. English Students	Be A Self-Developed One Forever	Vivekananda College of Arts & Science, Agastheeswaram, Kanyakumari District , April 2017

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
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1.	Prof. A. Khaleel Rahuman	Chairperson - National Seminar on English Language and Literature – NASTELL 2017	National Level	April 2017
2.	Dr. M. Ilankumaran	Convener - National Seminar on English Language and Literature – NASTELL 2017	National Level	April 2017
3.	Dr. R. Abilasha	Publication Chair - National Seminar on English Language and Literature – NASTELL 2017	National Level	April 2017
4.	Dr. R. Jinu	Co-Publication Chair - National Seminar on English Language and Literature – NASTELL 2017	National Level	April 2017

8. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page (pp)
1.	Dr. M. L. Narayanan	Friendship As An Antidote In Toni Morrison's <i>Sula</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.1- 3
		The Depiction of Dalits as The Deprived, Degraded, Downtrodden Leftovers of The Society in Sharankumar Limbale's <i>The Outcaste: Akkarmashi</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.39- 42
		Tribulations of Hunger in Bhabani Bhattacharya's <i>So Many Hungers!</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 64-67
2.	Dr. B. Krishnan	Multiculturalism in Khaled Hosseini's <i>The Kite Runner</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 8-11
		Struggles and Survival of An Immigrant in An Alien Land as Seen in Bharati Mukherjee's <i>Jasmine</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 43-46
		Racial Discrimination In Toni Morrison's <i>Song Of Solomon</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 68-72

		Patriarchal Tyranny In Chimamanda Nigozie Adichie's <i>Purple Hibiscus</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 95-98
3.	Prof. A. Khaleel Rahuman	A Study of Inscape as the Soul of Gerard Manley Hopkins's Poetry and Piety	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.106-110
		Cosmopsis in John Barth's <i>The End of the Road</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.50-53
		Advent of ICT in English Language Teaching and Second Language Learning	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 12-16
4.	Dr. M. Ilankumaran	Teaching Poetry – An Innovative Method of Developing Speaking Skills in English	International Journal of Multidisciplinary Researches ISSN: 2349-8634	Vol. 3 Special Issue: 6	Feb. 2017	pp. 5-7
		Role of Literature in Enhancing Speaking Skills – A Study	New Trends in English Language and Literature 978-93-84295-19-6	Vol.1 Issue:1	Apr. 2017	pp. 149-152
		Teaching Grammar as an Innovative Technique to Enhance Speaking Skills	New Trends in English Language and Literature 978-93-84295-19-6	Vol.1 Issue:1	Apr. 2017	pp. 192-194
		Second Language Acquisition through Developmental Speaking	New Trends in English Language and Literature 978-93-84295-19-6	Vol.1 Issue:1	Apr. 2017	pp. 204-206
		Challenges and Strategies of Teaching English as a Second Language: An Overview	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 4-7
		Andragogy in English Language Teaching	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 47-49

		Effective Methods to Promote Speaking Skills	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 89-92
		From Chalk And Talk To Click and Go – A Transformation	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 119-122
		Socio-Cultural Impact on English Language Learning	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 138-140
5.	Dr. R. Abilasha	Critical Thinking Through E-Learning in Call Sessions	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.32-34
		Web-Based Education Methods: And Approaches	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 73-75
		Heuristic Approach In English Language Teaching	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 99-101
		Virtual Classroom: Scope And Application	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.127-129
		Collaborative Learning In English Language Classrooms	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 141-143
		Search for Meaningful Life In Anita Desai's <i>The Village By The Sea</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 144-146
6.	Ms. P. Deepa	Teaching Poetry-An Innovative Method Of Developing Speaking Skills in English	Roots: International Journal of Multidisciplinary Researches ISSN: 2349-8684	Vol. 3 Special Issue: 6	Feb. 2017	pp. 5-7

		Role of Literature in Enhancing Speaking Skills - A Study	New Trends in English Language and Literature 978-93-84295-19-6	Vol.1 Issue:1	Apr. 2017	pp.149-152
		The Importance And The Purpose of Vocabulary in Enhancing Communication Skills	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 28-31
		Impact of the Enhanced Teaching Methodologies in English Language Teaching of Rural Students in Kanyakumari District	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.35-38
		Methods and Approaches to Develop the Language Proficiency of Tamil Medium Students At Tertiary Level	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.76-79
		Man and Nature Relationship in The Select Poems of Robert Frost	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.102-105
		Teaching Literature – Methods and Practices	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 130-133
7.	Ms. V. S. Bindhu	Socio-Political Reflections in Nayantara Sahgal's <i>Rich Like Us</i>	New Trends in English Language and Literature 978- 93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.17-20
		Overcoming of Racism In Sue Monk Kidd's <i>The Secret Life Of Bees</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.54-57
		Alienation as Community in Rohinton Mistry's <i>Family Matters</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.80-83
		The Lost Sodality In Catherine Chung's <i>Forgotten Country</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.123-126

		Socio-Political Reflections in Nayantara Sahgal's <i>Rich Like Us</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.17-20
8.	Ms. J. Sheila	A Study on Feminist Modernism in Margaret Laurence's <i>A Bird In The House</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.158-159
		Vitality of Family As An Institution In R. K. Narayan's <i>Swami And Friends</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.166-168
		George Orwell, A Political Visionary In <i>Animal Farm</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 172-175
			93-84295-19-6			
		Suffering And Survival In Kamala Markandaya's, <i>Nectar In A Sieve</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.191-193
		Social Propriety of Jane Austen's <i>Pride and Prejudice</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.204-206
		Gender Justice in Shashi Deshpande's <i>The Dark Holds No Terrors</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 215-217
		Pi's Religiosity In Yann Martel's <i>Life of Pi</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 226-227
		Victim of Pride: Hagar Shipley In Margaret Laurence's <i>The Stone Angel</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.245-24
9.	Ms. M. Kohila	Psychotic Violence of Dimple in Bharati Mukherjee's <i>Wife</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.1 Issue:1	Apr. 2017	pp. 174-177

		An Epic Struggle For Survival In Ernest Hemingway's <i>The Old Man And The Sea</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.153-154
		Traits of Senecan Revenge Tradition in John Webster's <i>The Duchess of Malfi</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 155-157
		Morality And Ethics In Arthur Miller's <i>All My Sons</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 176-178
		Stream of Consciousness Technique As A Tool In Virginia Woolf's <i>Mrs. Dalloway</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.194-
		Richard Brinsley Sheridan's <i>The Rivals</i> As	New Trends in English	Vol.2	Apr.	pp.220-222
		An Anti-Sentimental Comedy	Language and Literature 978-93-84295-19-6	Issue:1	2017	
		Tom Sawyer And Injun Joe As Manipulators In Mark Twain's <i>The Adventures of Tom Sawyer</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.223-225
		Women in Kamala Markandaya's <i>Nectar In A Seive</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.236-238
		Courtship And Marriage In Jane Austen's <i>Emma</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.239-240
10	Mr. M. Rakesh Babu	Retrospective Enrichment - A Study of Sharon Pollock <i>The Komagatha Maru Incident</i>	HIND LITT- A Literary Journal ISSN:2348-7003	Vol.1 Issue:1	Dec. 2016	pp.103-109
		Fear and Death in Ernest Hemingway's <i>A Farewell To Arms</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.151-152

		Portrayal of women's Psyche In Kamala Markandaya's <i>A Silence of Desire</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.160-162
		Domination of Occidents Over Orient In Chinua Achebe's <i>Arrow Of God</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.179-180
		Racism In Mark Twain's <i>The Adventures Of Huckleberry Finn</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.207-208
		Human Relationships in R. K. Narayan's <i>Swami and Friends</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.218-219
		Fantasy In Tennessee Williams' <i>A Streetcar Named Desire</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp. 228-230
		Girish Karnad's <i>Naga Mandala: A Feminist Perspective</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.248-250
11	Dr. K.M. Arun	Quest For Emancipation From The Patriarchal Proponent In Sefi Atta's <i>Everything Good Will Come</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.24-27
		Mysticism And Self-Identity In Yann Martel's <i>Life of Pi</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.58-60
		Exploring Nostalgic Sensation In Rohinton Mistry's <i>Such A Long Journey</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.84-87
		A Strange Daughter And A Hopeless Mother In Manju Kapur's <i>Difficult Daughters</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.111-115

		Magical Realism In Chitra Banerjee Divakaruni's <i>The Mistress of Spices</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.134-137
12	Dr. R. Jinu	Caste And Communal Conflict In Preethi Shenoy's <i>The One You Cannot Have</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.21-23
		Intoxication And Dipsomania In Paula Hawkins' <i>The Girl On The Train</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.61-63
		Conflict Of Cultures In Chitra Banerjee Divakaruni's <i>Oleander Girl</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.92-94
		Struggling For Existence In Kavery Nambisan's <i>The Story That Must Not Be Told</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.116-118
		On The Edge Of Ethicality: A Study Of Ravi Subramanian's <i>Bankrupt</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.147-150
13	Ms. T. Deebika Cranapu	Search For Identity And Self Evaluation of The Protagonist In Shashi Deshpande's <i>The Dark Holds No Terrors</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.180-182
		Caste And Religious Discrimination In Arundhati Roy's <i>The God Of Small Things</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.197-200
		Crisis Of Human Identity In Girish Karnad's <i>Hayavadana</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.209-211
		Self Affirmation In Shashi Deshpande's <i>Small Remedies</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.231-233

		Women's Issues in Virginia Woolf's Mrs. Dalloway	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.241-242
14	Ms. V. T. Parvathykutty	Treatment of Child Labour In Mulk Raj Anand's <i>Coolie</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.163-165
		Dualism In Oscar Wilde's <i>The Importance of Being Earnest</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.169-171
		Dynamics of Marginalization: Digging For Women In Wole Soyinka's <i>The Lion And The Jewel</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.183-185
		The Theme Of Freedom And Survival In Margaret Laurence's <i>The Stone Angel</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.186-187
		Inhuman Transactions Of Human Organs And Extinction Of Human Relationship In Manjula Padmanabhan's <i>Harvest</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.188-190
		Feminist Undercurrents In The Novel <i>Pride And Prejudice</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.201-203
		A Psychoanalytical Journey Into The Mindscapes of Macbeth And Lady Macbeth	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.212-214
		Modernism In Virginia Woolf's <i>Mrs. Dalloway</i>	New Trends in English Language and Literature 978-93-84295-19-6	Vol.2 Issue:1	Apr. 2017	pp.234-235

9. Details of patents applied/registered: NIL

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
	NIL	NIL	NIL	NIL	NIL

10. Publications of Books/Monographs: NIL

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1	NIL	NIL	NIL	NIL

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

Sl. No.	Name of the Course	Sanctioned Strength
1.	M. A. English	50
1.	M. Phil. English	40
2.	Ph.D. English (Full-Time and Part- Time)	12

For First Year B.E./B.Tech., BBA, B.Com. and M. Sc. - Software Engineering

Sl. No.	Name of the Course	Sanctioned Strength
1.	EG1101-Technical English -I	Nil
2.	EG1102-Technical English -II	Nil
3.	MS16E1- English-I	Nil
4.	MS16E2- English-II	Nil
5.	EG811-Communicative English -I	Nil
6.	EG812-Communicative English -II	Nil

For Second and Third Year B.E./B.Tech. , MCA and M.Sc. - Software Engineering

Sl. No.	Name of the Course	Sanctioned Strength
1.	EG251-Career Skills-I	Nil
2.	EG252-Career Skills-II	Nil
3.	EG253-Presentation Skills-I	Nil
4.	EG254-Presentation Skills-II	Nil

S. No.	Name of the Programme / Branch of Study	Enrolment during 2016-17		Total	Community												Existing Students' Strength			Pass Percentage of outgoing batch		
		M	F		OC	BC		BCM		MBC/DNC		SC		SCA		ST	II	III			IV	
						M	F	M	F	M	F	M	F	M	F			M	F			M
	UG Programme	NIL	NIL																			

1.	PG Courses M. A. ENGLISH	01	08	0 9	-	-	1	8	-	-	-	-	-	-	-	-	-	-	-	100%
2.	M.Phil. ENGLISH Programme	11	30	4 1	2	3	8	24	-	-	-	-	1	3	-	-	-	-	-	100%
3.	Ph.D. Programme	01	03	0 4																
	Diploma / PG Diploma/ Certificate Courses (if any)	NIL	NIL																	
	Total																			

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1.	M. Phil.	Indian	Kerala	NIL	02	02

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total
1.	NIL	NIL	M. A.	40	39	NIL	39	NIL	02	02

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded:

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	NIL	NIL	NIL	NIL	NIL
2					

15. Scholarships Awarded:

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)	-	-	01	-	-	-	8000/-
2	B.C.M.(State)	-	-	-	-	-	-	
3	M.B.C./D.N.C.(State)	-	-	-	-	-	-	
4	SC/SCA/ST(National)	-	-	-	-	-	-	
5	SC/SCA/ST(State)	-	-	-	-	-	-	
6	First Generation Free Education	-	-	-	-	-	-	
7	Loan Scholarship	-	-	-	-	-	-	

8	Others (Specify the name of the scholarship) Fee Concession	-	01	02	07	-	-	1,90000/-
	Total	-	-	01	-	-	-	1,98000/

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1.	M. A.	08	07	08	06	40	38	40	40	-	-	-	-	-	-	-	-
2.	M. Phil.	40	37	39	39	-	-	-	-	-	-	-	-	-	-	-	-

17. Placement Details:

Name of the Placement co-ordinator : NIL			
Phone/Mobile Number :		e-mail: NIL	
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	-	-
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	-	-

18. Outstanding achievements by the Faculty Members: NIL

S. No.	Name of the Faculty	Achievements	Agency

19. Outstanding achievements by Students: NIL

S. No.	Name of the Student	Achievements	Agency

20. Department Meeting Held : Programme Committee, Course Committee etc. BOS

S.No	Name	Date	
1.	Course Committee Programme Committee Etc.		
2.	BOS	08/02/2027 06/06/2017	Two times in a year

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) : NIL

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
		NIL		

22. Extension activities carried out: NIL

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	NIL	NIL	NIL	NIL
2				

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: **Dr. R. Abilasha , A.P.,**
Department of English

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1.	No. of books available	1047	7.	No. of titles available	950
2.	Books added during the year 2016	100	8.	No. of CDs and Digital Books available	46
3.	No. of Indian Journals/ Magazines	10	9.	No. of Foreign Magazines/Journals	-
4.	No. of data bases available	02	10.	No. of Online Journals	03
5.	Average No. of students visiting the Library per day	12	11.	Average No. of books Issued per day	12
6.	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	10 Mbps	12.	Availability of Language Lab	Yes

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1.	Computer		31	7.	Network		01
2.	Laptops		08	8.	Fax		NIL
3.	Printer		-	9.	Smart Class		01
4.	LCD Projector		01	10.	Software/ Data base		08
5.	Net Connection Wi-Fi: Wired:		01	11.	Others		NIL

24. Collaborative Researches : NIL

25. Consultancies : NIL

26. No. of NET/SET/GATE/CSIR Qualified students: 01

27. MOUs Signed: NIL

28. Innovations and Best Practices: Staff, scholars and students together publishing articles in national and international journals.

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (01/14)	.07:1
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (88/14)	6:1
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ()	-
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ()	-
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	-
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (80/14)	6:1
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (31/90)	.34:1
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1047/90)	11:1
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (02/52)	.03:1
2.4	Constructed area per student	Total constructed area / Total number of students ()	-
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (50/50)	1:1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (90/14)	6.4 :1
3.3	Gender Ratio	Total number of female students / Total number of male students (70/20)	3.5:1
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (02/50)	.04:1
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (79/79)	1:1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	-
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ()	-
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department (52/52)	1:1
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2016 – 2017	Number of dropouts / Number of students admitted (03/52)	.05:1
4.2	Ratio of placements to students	Total no. of Placements / Total no. of outgoing students ()	-
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	-

NAME OF THE DEPARTMENT: MATHEMATICS

1. Department Details :

Name of the School	Faculty of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Dr.M.Immaculate Mary, Phone No. : 9442006514 E-mail ID : imma_arul@yahoo.com
Year of Establishment	1989
Telephone Number	-
Website / E mail	nichemaths@yahoo.com

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.S.Ramachandran	M.Sc., Ph.D.	Prof.	Graph Theory	38Y	15Y	dr.s.ramachandran@gmail.com 04652250364
2	Dr.M.Immaculate Mary	M.Sc., M.Phil, B.Ed, Ph.D.	Prof. & HOD	Stochastic Processes	23 Y 11 M	9 Y	imma_arul@yahoo.com 04652-279857 9442006514
3	Dr.P.B.Sarasija	M.Sc., Ph.D.	Prof.	Graph Theory	22Y 5 M	11Y	sijavk@gmail.com 04651-236160 9443002541
4	Dr.T.M.Selvarajan	M.Sc., M.Phil, B.Ed, Ph.D.	Asst. Prof.	Graph Theory	22 Y 11 M	9Y	selvarajan_26@yahoo.co.in 9443844903 04651-252881
5	Dr.S.Kumaresan	M.Sc., M.Phil. Ph.D	Asst. Prof.		25Y 2M	7Y	suthanthiraabi@gmail.com 04651-250298 9443993893
6	Dr.K.Uma Samundesvari	M.Sc.,M.Phil, PGDCA, Ph.D.	Asst. Prof.	Graph Theory	18Y 9M	7Y	kus_krishna@yahoo.co.in 04652-275024 98940 71318
7	Dr.R.Binthiya	M.Sc., M.Phil,Ph.D	Asst. Prof.	Graph Theory	10Y 1M	7Y	binthiya_r@yahoo.co.in 04652-251836 9487820221
8	Dr.P.Nageswari	M.Sc.,M.Phil, PGDCA , Ph.D.	Asst. Prof.	Graph Theory	13Y 10M	7Y	nageswari.kanna06@gmail.com 04651-261115 9677318713

9	Dr.K.Uma	M.Sc.,B.Ed.	Asst. Prof.	Graph Theory	10Y	8Y	devi.uma30@gmail.com
	Devi	M.Phil,HDC A, Ph.D.					9487659151
10	Dr.D.Sheeba Singh	M.Sc., M.Phil, Ph.D.	Asst. Prof	Stochastic Processes	9Y 9M	7Y	dssheeba@gmail.com 9442606150
11	Dr. M.Sudha	M.Sc., M.Phil, _____ B.Ed., Ph.D.	Asst. Prof.	Graph Theory	9Y	5Y	sudha.jeyakumar@yahoo.in 04651253339 9486962339
12	Mr.G.Victor Jeya Chandra	M.Sc., M.Phil, B.Ed.	Asst. Prof.	-	10Y		victorjeyacg@gmail.com 9486757921
13	Mrs.P.Jeba Sheeja	M.Sc., M.Phil, B.Ed.	Asst. Prof.	Graph Theory	8Y 3M		petersheeja10@gmail.com 9655721162
14	Dr.J.John Arul Singh	M.Sc., M.Phil, Ph.D.	Asst. Prof.	Graph Theory	5Y 7M	9Y	arul_singh_maths@yahoo.com 9944509724

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M.Phil.	Ph.D.
1	Dr.S.Ramachandran	2	7	4	41	74	136			-	-	-	2	-	2
2	Dr.M.Immaculate Mary	-	-	2	11	-	-		375	1	5	1	1	5	1
3	Dr.P.B.Sarasija	1	4	5	34	37	62		624	1	5	1	4	5	4
4	Dr.T.M.Selvarajan	1	1	-	8	1	1		370	1	7	-	-	8	-
5	Dr.S.Kumaresan	-	-	-	3	-	-		240	-	1	-	-	1	-
6	Dr.K.Uma Samundesvari	1	2	3	8	3	6		366	1	5	-	-	5	-

7	Dr.R.Binthisya	-	2	1	7	14	23		336	1	5	-	-	5	-
8	Dr.P.Nageswari	-	2	-	4	2	2		230	1	3	-	-	3	-
9	Dr.K.Uma Devi	-	-	1	5	-	-		230	1	3	-	-	3	-
10	Dr.D.Sheeba Singh	-	-	2	6	-	-		256	-	1	-	-	1	-
11	Dr. M.Sudha	-	-	-	7	-	-		322.5	1	2	-	-	2	-
12	Mr.G.Victor Jeyachandra	-	-	-	-	-	-		205	-	1	-	-	1	-
13	Mrs.P.Jeba Sheeja	-	-	-	-	-	-		205	-	1	-	-	1	-
14	Dr.J.John Arul Singh	1	1	3	5	4	4		335	1	5	-	-	6	-

4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Dr. S.Ramachandran	DST-Govt of India	Characterization of Isomorphic graphs, Digraphs and Hyper graphs using vertex proper substructures.	06-06-2015	05-06-2018	Rs 23,58,000/-
2						

5. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc. - NIL

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1				
2				

b) Foreign Faculty/Expert visit to the Department: NIL

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr. S. Ramachandran	Resource Person	Seminar	-	07.10.2016
2	Dr.T.M.Selvarajan	Resource Person	Workshop	LaTeX	19.12.2016&20.12.2016 NICHE
3	Dr. K.Uma Samundesvari	Resource Person	Workshop	LaTeX	19.12.2016&20.12.2016 NICHE
4	Dr. R. Binthiya	Resource Person	Workshop	LaTeX	19.12.2016&20.12.2016 NICHE
5	Dr. J. John Arul Singh	Resource Person	Workshop	LaTeX	19.12.2016&20.12.2016 NICHE

7. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1.		Workshop on LaTeX		19.12.2016&20.12.2016

8. Publication of Research Papers at the State/National/International Levels: Nil

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)

9. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

10. Publications of Books/Monographs: Nil

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO.	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength				Pass Percentage of outgoing batch				
		F	M		OC	BC	BCM		MBC/DNC		SC		SCA		ST	II		III	IV						
							M	F	M	F	M	F	M	F		M	F		M	F		M	F	M	F
	UG Programme			-																					
1.	PG Courses	6	-	6	-		4			2						-	2	4							96%
2.	M.Phil. Programme	8	-	8	-	-	8																		100
3.	Ph.D Programme	1	-	1	-	1																			-
	Diploma / PG Diploma/ Certificate Courses (if any)																								
	Total	15		15	1		12			2							2	4							

12. Enrolment of Students from Overseas and other States: Nil

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.			
	Male	Total	Male	Total	FT	PT	Total	Male	FT	PT	Total
1	Male		Male					Male			
	Female		Female	23			8	Female			2

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded : Nil

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					

2				
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15. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
Total								

16. Performance of the Students :

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pas s	App.	Pa ss	App.	Pa ss
1	M.Sc.	6	6	6	6												

17. Placement Details:

Name of the Placement co-ordinator :			
Phone/Mobile Number :	e-mail:		
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	-	10
2	Number of Placements obtained through Campus Interview		-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		42%

18. Outstanding achievements by the Faculty Members: |

S. No.	Name of the Faculty	Achievements	Agency
1	Mr.G.Victor Jeya Chandra	Cleared SET Exam	Mother Theresa University

19. Outstanding achievements by Students :Nil

S. No.	Name of the Student	Achievements	Agency
1			

20. Department Meeting Held :

Programme Committee, Course Committee etc. BOS

S.No	Name	Date

1.	Course Committee Programme Committee Etc.	Odd Semester			Even Semester		
		1	2	3	1	2	3
	Course Committee						
	MA1101	10-08-201	30-09-2016	04-11-2016	-	-	-
	MA1201	18-07-201	19-08-2016	06-10-2016	-	-	-
	MA1102	-	-	-	03-02-201	06-03-2017	18-04-201
	MA1203	-	-	-	13-01-201	28-02-2017	04-04-201
	MA1204	-	-	-	09-01-201	17-02-2017	25-03-201
	Programme Committee	1	2	3	1	2	3
	I M.Sc	20-09-201	17-10-2016	16-10-2016	30-01-2017	20-02-2017	23-03-201
	II MSc	06-07-201	02-09-2016	03-11-2016	06-01-201	12-02-2017	21-02-201
	M.Phil	16-09-201	15-10-2016	21-11-2016	24-01-201	18-02-2017	02-05-201
	Class Committee	1	2	3	1	2	3
	I M.Sc	11-08-201	20-09-2016	09-11-2016	27-02-201	03-03-2017	20-04-201
	II M.Sc	12-07-201	22-09-2016	26-10-2016	08-01-201	22-02-2017	30-03-201
	M.Phil	19-09-201	05-10-2016	21-11-2016	31-01-201	22-03-2017	05-04-201

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Mathematics Literacy Program	Students of Std. V, VI & VII	17-10-2016	Govt. Middle School, Muttaikadu
2	Mathematics Literacy Program	Students of Std. I to Std.V	17-10-2016	Govt. Primary School, Muttaikadu
3	Swachh Bharat Abhiyan	Thuckalay Police station	03-02-2017	Thuckalay Police station

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	1025	7	No. of titles available	276
2	Books added during the year 2015	59	8	No. of CDs and Digital Books available	0
3	No. of Indian Journals/ Magazines	5	9	No. of Foreign Magazines/Journals	0

4	No. of data bases available	0	10	No. of Online Journals	24
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	4
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	0	12	Availability of Language Lab	Nil

24. Information and Communication Technology Resources: Nil

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer		2	7	Network		
2	Laptops		-	8	Fax		-
3	Printer		-	9	Smart Class	A214	1
4	LCD Projector		-	10	Software/ Data base		-
5	Net Connection Wi-Fi: Wired:		1	11	Others		-
6	Scanner		-				

24. Collaborative Researches : Nil

25. Consultancies : Nil

26. No. of NET/SET/GATE/CSIR Qualified students: 02

27. MOUs signed :Nil

28. Innovations and Best Practices :

29. Others

SI.NO	Name	Title of the Program	Duration
1.	Dr.M.Immaculate Mary	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
2.	Dr.P.B.Sarasija	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
3.	Dr. K.Uma Samundesvari	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
4.	Dr.R.Binithiya	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
5.	Mrs.P.Nageswari	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
6.	Mrs.K.Uma Devi	Two Day Workshop on Latex	19-12-2016 & 20-12-

			2016
7.	Mrs.M.Sudha	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
8.	Mr.G.Victor Jeya Chandra	Two Day Workshop on Latex	19-12-2016 & 20-12-2016
9.	Dr . John Arul Singh	Workshop on Latex	06-01-2017 & 07-01-2017
10.	Dr . John Arul Singh	Workshop on Latex	20-01-2017 & 21-01-2017
11.	Dr . John Arul Singh	Two Day Workshop on Latex	19-12-2016 & 20-12-2016

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff (1/14)	7%
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (21/14)	15%
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (1/14)	7%
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (1/14)	7%
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff (14/14)	1%
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members (1/17)	7%
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students (2/38)	5%
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (1025/38)	27
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ()	0
2.4	Constructed area per student	Total constructed area / Total number of students ()	
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (38/)	
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (38/14)	27%
3.3	Gender Ratio	Total number of female students / Total number of male students ()	-
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ()	-
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (31/32)	97%
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	-
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (2/6)	3.3%
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars/Total No. of scholars' in the department (8+6+0/14)	
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2015 – 2017	Number of dropouts / Number of students admitted (2/34)	6%
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (10/31)	3.2%
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	-

NAME OF THE DEPARTMENT:PHYSICS**1. Department Details :**

Name of the School	School of Science and Humanities
Name of the HOD, Phone No. and E-mail ID	Dr. B. Bindhu, 9486598942, 9500427092, bindhu.krishna80@gmail.com
Year of Establishment	1989
Telephone Number	-
Website / E mail	-

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID &Phone/Cel l Phone No.
					Teaching	Research	
1	Dr. B. Bindhu	M.Sc. M.Phil. Ph.D	Associate Professor and Head of the Department	Material science, 2D materials, Polymer Nanocomposites	13 yrs 5 months	9	bindhu.krishna80@gmail.com, 9486598942, 9500427092
2	C.Sagi Rani	M.Sc.,M.Phil., B.Ed.	Assistant Professor	Materials Science	8 yrs 6 months	6	Sagi_msu@yahoo.co.in 9750868394
3.	R.Geetha Kumari	M.Sc. M.Phil., B.Ed.	Assistant Professor	Nanomaterials, Spectroscopy	8	5	rgeethu.kumari@gmail.com 9865218352
4	N.Y.Sugirtha Suni	M.Sc., M.Phil., B.Ed.	Assistant Professor	Materials Science	8	4	sugirthasuni@yahoo.in
5	Dr. V. N.Meena Devi	M.Sc. Ph.D.	Assistant Professor	Bio-energy, Environmental physics	12 years 4 months	12 years 8 months	vndevi@gmail.com 9150235295
6	R. Ganapathi Raman	M.Sc., M.Phil., Ph.D	Assistant Professor	Crystal Growth, Nanomaterials, DFT	6 years 6 months	10	ganapathiraman83@gmail.com
7	Mrs. I. Mani Prabha	M.Sc., M.Phil., B.Ed.	Teaching Assistant	Material Science	9 months	-	prabhajinu@gmail.com

3. Research Schemes/Projects undertaken : Nil

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1						
2						
3						

4. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr. B. Bindhu	National Conference on Materials Science and Technology	Novel modifier assisted exfoliation of few layered MoS ₂ nanoflakes	July 12-14, 2016
		A national level meet of young scientists working in the field of hydrogen.	1.Preparation and characterization of Acrylonitrile Butadiene Styrene/Boron nitride composite 2.Preparation and characterization of Polylactic acid/Boron nitride composite	16 th &17 th March 2017
2	C.Sagi Rani	Two Day Workshop on La Tex		19 th to 20 th Dec 2016
3	N.Y.Sugirtha Suni	National conference on technologically advanced materials.		6 th Sep 2016
		Two Day Workshop on La Tex		19 th to 20 th Dec 2016.
4	R. Ganapathi Raman	Two Day Workshop on La Tex		19 th to 20 th Dec 2016.
		International conference on global advances in material for Energy,Engineering and Environmental sciences.		7 th March 2016
		National conference on Technologically advanced materials.		6 th Sep 2016

b) **Foreign Faculty/Expert visit to the Department:**

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	Dr.Abdul Haneefa.K	Nanavati Super Speciality Hospital, Mumbai	India	21 st April 2016	Interational conference
2	Mr.R.Midhun Krishna	Space Elevator Research Programme, NASA	USA	23 rd Feb 2017	Interational conference

5. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	Dr B Bindhu	Chief Guest Address	Onam celebration	Skill development	Holy Angels International Residential School, Nambali, 12.9.2016
		Judge for Project Expo	MECHCARNIC 2K17	Engineers turns ideas to reality	NICHE, Kumaracoil, 17 th & 18 th Feb-2017.
2	Dr.R. Ganapathi Raman	Chief Guest Address	National level Technical Symposium	"FLAIR 2017	J.P.College of Engineering, Ayikudi, 13-10-2017

6. Details of Seminars, Conferences and Refresher courses Organised :

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1.	Mrs. R. Geetha Kumari & Mrs. N.Y.Sugirtha Suni	One day Seminar on Recent trends in Physics-2017	National	10 th March 2017

7. Publication of Research Papers at the State/National/International Levels:

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	C. Sagi Rani, P. Athira and N. Joseph John	Investigations on tri manganese tetra oxide nano particles	Nanosystems : Physics, Chemistry, Mathematics	2, 3	2016	647-649

2	Sagi Rani C, N. Joseph John	Investigations on Solid State synthesized CdO-Mn ₃ O ₄ nanocomposites	Journal of Chemical and Pharmaceutic al Sciences, 0974-2115	9, 4	2016	2025-2029
3	Arockiasamy Ajaypraveenk umar .R, R.Ganapati Raman, S.Sebastin	Geometrical Structure, Vibrat ional Spectra, NLO, N BO, Electronic Transitions and Thermodynami cal Analysis of 5-Fluoro-2- Methylbenzoni trile.	Recent Trends in Material Science and Applications. Springer Proceedings in Physics.	189	2017	
4	Ratika .A, Guru Prasad .L, R.Gnapati Raman,	Growth and Characterizatio n of Pure and Urea doped Dimethylamine Picrate Single Crystal	Journal of Chemical and Pharmaceutic al Sciences	1	2017	21-26
5	R.Gnapati Raman, A, Gur u Prasad .L, K.Kannan	Computational Studies on 2- nitrophenyl acetic acid	Journal of Chemical and Pharmaceutic al Sciences	1	2017	74-77
6	R.Gnapati Raman, Arockiasamy, Ajaypraveenk umar	Experimental and theoretical spectroscopic investigations of 2-Bromo-4- methylbenzoni trile	Journal of Chemical and Pharmaceutic al Sciences	10	2017	1309-1316
7	R.Gnapati Raman, Arockiasamy, Ajaypraveenk umar	Synthesis, Spec troscopic (FT- IR, FT-Raman and UV) and computational studies on 2- Bromo-5- methylbenzoni trile	Journal of Chemical and Pharmaceutic al Sciences	10	2017	1-9

8. Details of patents applied/registered: NIL

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

9. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				
2				

10. Courses offered, Sanctioned Strength of Students and Enrolment details:

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total I	Community												Existing Students, Strength						Pass Percentage of out going batch		
		F	M		OC		BC		BCM		MBC/DNC		SC		SCA		ST		II		III			IV	
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
	UG Programme																								
	PG Courses	5		5		1					4														100
	M.Phil. Programme	6		6		1				4		1													100
	Ph.D Programme	2		2																					
	Diploma / PG Diploma/ Certificate Courses (if any)																								
	Total																								

- 1.M.Sc. Physics
2. M. Phil. Physics
3. Ph.D. Physics

11. Enrolment of Students from Overseas and other States: NIL

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1						
2						

12. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male	-	Male	4	Male				Male		-	
2	Female	-	Female	11	Female	5	-	5	Female	-	1	1

13. Fellowships Awarded (National/International) Faculty/Students:NIL

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					
2					

14. Scholarships Awarded:NIL

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

15. Placement Details:

Name of the Placement co-ordinator : Mrs. N. Y. Sugirtha Suni			
Phone/Mobile Number 9487746291 e-mail: sugirthasuni@yahoo.in			
Number of Placement Programmes			
S.No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed		5
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)	5/13	0.384

16. Outstanding achievements by the Faculty Members:- NIL

S. No.	Name of the Faculty	Achievements	Agency

17. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1	G.Shani	First prize in poster Presentation competition	Technical Extravaganza
2	Ajisha	First Prize in paper presentation	Technical Extravaganza
3	Sasikanth	Second Prize in paper presentation	Technical Extravaganza
4	R.Renisha	Presented Paper	Heam Scientist 2017
5	Asha	Presented Paper	Heam Scientist 2017

18. Infrastructure and Research facilities available (Please specify equipments more than TwoLakhs Only) : All equipments are less than 1 lakh

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1				

19. Extension activities carried out :

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1	Swachh Bharat Mission	Thuckalay Police Station	3/2/2017	Police Station, Thuckalay

20. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Mrs. N.Y.Sugirtha Suni

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	637	7	No. of titles available	
2	Books added during the year 2016	39	8	No. of CDs and Digital Books Available	5
3	No. of Indian Magazines/Journals	37	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	5	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)	-	12	Availability of Language Lab	No

21. Information and Communication Technology Resources:

S.No.	Name of the Equipment	Specifications	Nos.	S.No.	Name of the Equipment	Specifications	Nos.
1	Computer	00261-50000-00000-AA109, Intel Core i3 3220 CPU@3.3GHz , RAM- 8 GB , 64 bit Operating	2	7	Network		-

		system, & 00426- OEM- 8992662- 00497 Pentium(R) Dual-core CPU E5700 @3.00GHz , RAM 2GB, 32 bit OS				
2	Laptops	-	-	8	Fax	-
3	Printer	HP	1	9	Smart Class	1 (common smart class)
4	LCD Projector	-	-	10	Software/ Data base	1
5	Net Connection Wi-Fi: Wired:	Wi-Fi -1 Wired-1	2	11	Others	-
6	Scanner		-			

22. Collaborative Researches : NIL

23. Consultancies :NIL

24. No. of NET/SET/GATE/CSIR Qualified students: NIL

25. Others (Please Specify) :

SI.NO	Name	Title of the Program	Duration
1.	Dr.B. Bindhu	Learning Physics Through Simple Experiments	20-09-2016 to 20-11-2016
2.	Dr.R.Ganapathi Raman	Learning Physics Through Simple Experiments	20-09-2016 to 20-11-2016
3.	Dr.R.Ganapathi Raman	Two Day Workshop on LaTeX	19-12-2016 to 20-12-2016
4.	C. Sagi Rani	Two Day Workshop on LaTeX	19-12-2016 to 20-12-2016
5.	N.Y. Sugirtha Suni	Two Day Workshop on LaTeX	19-12-2016 to 20-12-2016
6.	Dr.R.Ganapathi Raman	Research Forum, National seminar on exploring the plethora of research	23-02-2017

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ($\frac{2}{6}$)	0.333
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ($\frac{7}{6}$)	1.16
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ($\frac{4}{6}$)	0.666
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ($\frac{1}{6}$)	0.66
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ($\frac{8}{6}$)	1.33
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ($\frac{0}{6}$)	0
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ($\frac{2}{26}$)	0.076
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students ($\frac{637}{26}$)	24.5
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (1/26)	0.038
2.4	Constructed area per student	Total constructed area / Total number of students ($\frac{365.38 \text{ m}^2}{13}$)	28.106m ²
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted ($\frac{12}{12}$)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members ($\frac{27}{6}$)	4.5
3.3	Gender Ratio	Total number of female students / Total number of male students ($\frac{22}{5}$)	4.4
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ($\frac{0}{12}$)	0
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ($\frac{1}{12}$)	0.083
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ($\frac{0}{12}$)	0
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ($\frac{20}{20}$)	1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll (1604880/12)	133740
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships ($\frac{0}{12}$)	0
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ($\frac{1}{12}$)	0.0833
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ($\frac{21}{21}$)	1
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2015 – 2017	Number of dropouts / Number of students admitted ($\frac{1}{27}$)	0.037
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ($\frac{5}{26}$)	0.192
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ($\frac{27}{27}$)	1

NAME OF THE DEPARTMENT: Chemistry**1. Department Details :**

Name of the School	Science & Humanities
Name of the HOD, Phone No. and E-mail ID	Dr. M. Sankaranarayana Pillai Mob:9442077787
Year of Establishment	1989
Telephone Number	-
Website / E mail	msankars@yahoo.com
Special Status : (if any)	-

2. Details of Faculty Members :

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Dr.M.Sankaranarayana Pillai	PhD	Professor	Inorganic Chemistry	36	30	9442077787 msankars@yahoo.com
2	Dr.Joseph	PhD	Associate Professor	Bioinorganic chemistry	8	8	9489486295 josephniche@gmail.com
3	Dr.S.Pushpa Latha	PhD	Asst. Professor	Inorganic chemistry	13	10	9442841376
4	Dr.M.Sirajul Muneera	PhD	Asst. Professor	Bioinorganic chemistry	10	7	9486084106 Sirajul.sms@gmail.com
5	Dr.T.M.Sharmila	PhD	Asst. Professor	Bioinorganic chemistry	9	6	9486089576 caalwinrs@gmail.com

3. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	Dr.Joseph	DST	Design and development of therapeutic substitute for existing anti Tuberculosis agents derived from copper complexes	2013	2016	25 lakhs

4. a) Participation of Faculty to present papers in Congresses / Conferences / Seminars/ Workshops, Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1	Dr.J. Joseph			

2				
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b) **Foreign Faculty/Expert visit to the Department: Nil**

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1					
2					

5. **Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. : Nil**

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1					
2					

6. **Details of Seminars, Conferences and Refresher courses Organised :**

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
1				
2				

7. **Publication of Research Papers at the State/National/International Levels:**

S. No.	Author(s)	Title of the paper	Journal with ISSN	Volume No. Issue No.	Year of Publication	Page(pp)
1	J Joseph, A Suman, K Nagashri, RS Joseyphus, N Balakrishnan	Synthesis, characterization and biological studies of copper complexes with 2-aminobenzimidazole derivatives	Journal of Molecular Structure	1137	2017	17-26

2	M Sirajul Muneera and J. Joseph	Design, synthesis, structural elucidation, pharmacological evaluation of metal complexes with pyrazoline derivatives	Journal of Photochemistry and Photobiology B: Biology	163	2016	57-68
3	Joseph J and Boomadevi Janaki G	Copper complexes bearing 2-aminobenzothiazole derivatives as potential antioxidant: Synthesis, characterization	Journal of Photochemistry and Photobiology B: Biology	163	2016	86-92
4	Sonia Mol Joseph, C Justin Dhanaraj, J Joseph, R Selwin Joseyphus	Synthesis, Spectral Characterization and Anticancer Studies of Some Metal (II) Complexes Derived from Imidazole-2-carboxaldehyde with 2-Amino-3-carboxyethyl-4...	Oriental Journal of Chemistry	33	2017	1477-1482
5	J Joseph, A Suman, N Balakrishnan	Design, synthesis, characterization and biological studies of copper (II) complexes with 2-aminobenzimidazole derivatives as biomimetic agents	Applied Organometallic Chemistry	31	2017	
6	J Joseph, GB Janaki, K Nagashri, RS Joseyphus	Antimicrobial, antioxidant and SOD activities of copper (II) complexes	Journal of Coordination	70	2017	242-260

		derived from 2-aminobenzothiazole derivatives	Chemistry			
7	J Joseph, K Nagashri, A Suman	Synthesis, characterization and pharmacological studies of copper complexes of flavone derivatives as potential anti-tuberculosis agents	Journal of Photochemistry and Photobiology B: Biology	162	2016	125-145
8	K Nagashri, J Joseph, CJ Dhanaraj	Pharmacological and spectral studies of synthetic biomimetic copper complexes derived from 3-hydroxyflavone derivatives as anti-inflammatory agents	Arabian Journal of Chemistry	9	2016	S548-S556
9	T M Sharmila and Joseph J	Synthesis, spectral characterization and catalytic activity of metal complexes with pyrazoline derivatives	RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES	8	2017	311-322

8. Details of patents applied/registered: Nil

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.

9. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year

1	M.Sirajul Muneera, T.M.Sharmila and T. Priyanka	Engineering Chemistry I	R K Publisher, Coimbatore	2017
2	S.Pushpa Latha, J.Joseph and V.L.Reena	Engineering Chemistry - II	R K Publisher, Coimbatore	2017

10. Courses offered, Sanctioned Strength of Students and Enrolment details:

	Sanctioned	Enrollment
M.Sc Chemistry		10
M.Phil Chemistry		03
Ph.D Chemistry		Nil

11. Enrolment of Students from Overseas and other States: Nil

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	
1						
2						

12. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.				
		Total		Total		FT	PT	Total		FT	PT	Total
1	Male		Male	1	Male	-			Male	-	1	02
2	Female		Female	9	Female	3			Female	1	-	13

13. Fellowships Awarded (National/International) Faculty/Students:

S. No	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1	DST	JRF	-	1	1
2					

14. Scholarships Awarded: Nil

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							

	Total						
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15. Placement Details:

Name of the Placement co-ordinator :		Dr. J. Joseph	
Phone/Mobile Number		9489486295; E-mail:josephniche@gmail.com	
Number of Placement Programmes			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed		
2	Number of Placements obtained through Campus Interview	-	-
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		

16. Outstanding achievements by the Faculty Members:

S. No.	Name of the Faculty	Achievements	Agency
1			
2			

17. Outstanding achievements by Students: Nil

S. No.	Name of the Student	Achievements	Agency
1			

18. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical
1	Res. lab	UV-Visble Spectrophotometer	1	Research
2		FT IR	1	Research
3		Electrochemical analyzer	1	Research
4		Gel documentation system	1	Research

19. Extension activities carried out : Nil

S. No.	Name of the Activity	Beneficiaries	Date	Venue
1				

20. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library:

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.
1	No. of books available	500	7	No. of titles available	200
2	Books added during the year 2017	75	8	No. of CDs and Digital Books available	10
3	No. of Indian Magazines/ Journals	50	9	No. of Foreign Magazines/ Journals	Nil

4	No. of data bases available	Nil	10	No. of Online Journals	
5	Average No. of students visiting the Library per day	40	11	Average No. of books Issued per day	10
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.,)		12	Availability of Language Lab	No

21. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1	Computer		1	7	Network		
2	Laptops		0	8	Fax		
3	Printer		0	9	Smart Class		S & H
4	LCD Projector		0	10	Software/Data base		-
5	Net Connection Wi-Fi: Wired:		1	11	Others		-
6	Scanner		0				

22. Collaborative Researches : Nil

23. Consultancies : Nil

24. No. of NET/SET/GATE/CSIR Qualified students: Nil

25. Others (Please Specify) :

KEY ACADEMIC RATIOS

S. No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff ($\frac{3}{6}$)	0.5
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members ($\frac{9}{6}$)	1.5
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members ($\frac{2}{6}$)	0.33
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members ($\frac{1}{6}$)	0.16
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ($\frac{1}{6}$)	0.16
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ($\frac{1}{6}$)	0.16
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ($\frac{1}{39}$)	0.02
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students ($\frac{550}{39}$)	14.10
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted ($\frac{8}{39}$)	0.20
2.4	Constructed area per student	Total constructed area / Total number of students ($\frac{300}{39}$)	7.69
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted ($\frac{18}{16}$)	1.3
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members ($\frac{39}{6}$)	6.5
3.3	Gender Ratio	Total number of female students / Total number of male students ($\frac{28}{39}$)	0.71
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted (Nil)	Nil
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted ($\frac{15}{39}$)	0.38
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted (Nil)	Nil
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam ($\frac{8}{8}$)	1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships ($\frac{1}{39}$)	0.02
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students ($\frac{20}{39}$)	0.51
3.11	Research scholars' ratio	Total No. of M.Phil. /Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ($\frac{10}{10}$)	1
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2015 – 2016	Number of dropouts / Number of students admitted ($\frac{0}{8}$)	0
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students ($\frac{6}{8}$)	0.7
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ($\frac{39}{39}$)	1

NAME OF THE DEPARTMENT:

1. Department Details: Fire and Safety

Name of the School	Mechanical Engineering
Name of the HOD, Phone No. and E-mail ID	I.James Dhinakaran Williams, niu.ftse@gmail.com
Year of Establishment	2011
Telephone Number	-
Website / E mail	www.niuniv.in

2. Details of Faculty Members:

S. No.	Name of the Faculty	Qualification	Designation	Specialisation	Experience in years		E-mail ID & Phone/Cell Phone No.
					Teaching	Research	
1	Prof.I.James Dhinakaran Williams Asso.Prof &Head/FTSE	M.E	Associate Professor & Head	CAD/CAM	13		ijdhinak@yahoo.co.in Mob. No: 9894824253
2	Dr.R.S.Ganesh Asso.Prof /FTSE	M.E; PhD	Associate Professor	Product Design	12		r_s_ganesh@rediffmail.com Mob. No: 9841107984
3	Dr.B. Bavanish Asst.Prof/FTSE	M.E; PhD	Assistant Professor	Energy engineering	11		dr.bbavanish@gmail.com Mob. No: 9488885995
4	Prof. R. Rajesh Asst.Prof /FTSE	B.E; M.Tech; PhD	Assistant Professor	Power Systems	6	3	rajeshknky@gmail.com Mob. No: 9944872621

3. Faculty Members Achievements /Performance:

S. No.	Name	h index		Publications		Citations		API		M.Phil. awarded		Ph.D. awarded		Cumulative Scholars	
		16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	16-17	Cumulative	M. Phil.	Ph.D.
1	I.James Dhinakaran Williams				3										
2	R.S.Ganesh					2									
3	B. Bavanish		1		4		9								

4	R. Rajesh	1	7	1									
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4.. Research Schemes/Projects undertaken :

S. No.	Name of the Principal Investigator	Funding Agency	Title of the Project	Duration		Amount Rs.
				From	To	
1	-	-	-	-	-	-
--	-	-	--	-	-	

5. a) Participation of Faculty to present papers in Congresses/Conferences/Seminars/ Workshops,Symposia, etc.

S. No.	Name of the Faculty	Congress/Conference/Seminar /Workshop and Venue	Title of the paper	Period
1.	R.S. Ganesh	International Conference on Engineering Technology and Science	A new Pilot Carrier Hybrid Channel Estimation using GA for 4G MIMO-OFDM System	30-03-2017 Namakkal
2.	Bavanish. B	National conference on Technology Innovation in Mechatronics, Energy and Intelligent Communication	Relevance of Damless power generation	2017
		National conference on Technology innovation in Mechatronics,Energy Management and Intelligent communication	Analysis Of Replacing Magnesium Over Aluminium In Industry	2017
		International Conference on Renewable Energy and Materials for Sustainability	Performance Evaluation of Vertical flow Helical Turbine suited for Perennial / Tidal sources	2016
3.	Rajesh Retnamony	ICCPCT -2016, Noorul Islam University, Kumaracoil,	Determine the Locational Marginal Price and Social welfare Maximization in a Deregulated Power system	2016

b) Foreign Faculty/Expert visit to the Department:

S. No.	Name & Designation	Institute	Country	Duration	Purpose
1	-	-	-	-	-
--	-	-	-	--	

6. Faculty acted as Chief Guest, Key note Speakers, Resource Person, Chair Person, External experts, etc. :

S. No.	Name of the Faculty	Role	Event	Title	Venue & Date
1	I. James Dhinakaran Williams	Chair Person	IEEE Conference	ICREMS-2016	NIU
2	Dr.B.Bavanish	Chair Person	IEEE Conference	ICREMS-2016	NIU

7. Details of Seminars, Conferences and Refresher courses Organized:

S. No.	Name of the Faculty	Congress/Conference/Seminar/ Workshop/Symposia, etc. Organized	State/National/ International Level	Period
-	-	-	-	-

8. Publication of Research Papers at the State/National/International Levels:

Sl. No.	First Author Name	Title of Paper	Journal Name/Publishers	Yearwise	Volume	Issue/Number	Pages	p-ISSN/ eISSN
1.	R.S. Ganesh	An Efficient Pilot Carrier Channel Estimation Using Genetic Algorithm in 4G MIMO-OFDM System	<i>ARPJ Journal of Engineering and Applied Sciences</i>	2016	11	9	5767-5772	1819-6608
		Performance Evaluation of DFT-based Channel Estimation in MIMO-OFDM System	<i>International Journal of Enterprise Network Management</i>	2016	7	2	142-151	748-1252

2.	Bavani sh. B	Relevance of Damless power generation	International Journal of Advanced Scientific Technologies , Engineering and Management Sciences	2017	3	1		2454- 356X
		Analysis Of Replacing Magnesi um Over Aluminiu m In Industry	International Journal of Advanced Scientific Technologies , Engineering and Management Sciences	2017	3	1		2454- 356X)
3.	Rajesh Retnam ony	Congestio n Managem ent Consideri ng Voltage Stability and Loss Minimizati on Using FACTS Devices	Journal of Chemical and Pharmaceuti cal Sciences	2016	9	1	465- 470	0974- 2115
		N-1 Continge ncy Analysis in a Congeste d Power System and Enhance the Voltage Stability Using FACTS Devices	International Journal of Control Theory and Applications	2016	9	6	119- 129	0974- 5572

		Multi-objective Congestion Management in a	International Journal of Control Theory and Applications	2017	10	3	49-61	0974-5572
		Deregulated Power System Using Hybrid MOPSO Algorithm with FACTS devices						

9. Details of patents applied/registered:

S.No.	Name of the Faculty	Title	Date of filling	Application No.	Sanctioned No.
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10. Publications of Books/Monographs:

S. No.	Author(s)	Name of the Book with ISBN	Publisher/Place	Year
1				

11. Courses offered, Sanctioned Strength of Students and Enrolment details:

B.Tech - Fire Technology and Safety Engineering

Sanctioned Strength- 60

1st year -15

2nd year -19

3rd year -14

4th year-19

S. NO	Name of the Programme / Branch of study	Enrolment during 2016-17		Total	Community												Existing Students, Strength						Pass Percentage of out going batch				
		F	M		OC	BC		BCM		MBC/DNC		SC		SCA		ST		II		III		IV					
						M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F			
	UG Programme	0	19	19	1	-	1	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PG Courses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	M.Phil. Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ph.D Programme	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diploma / PG Diploma/ Certificate Courses (if any)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																						

12. Enrolment of Students from Overseas and other States:

S. No.	Degree and Subject	Nationality	State	Number of Students		Total
				Male	Female	

13. P.G. and Research degrees awarded:

S. No	UG		P.G.		M. Phil.			Ph.D.		
		Total		Total	FT	PT	Total	FT	PT	Total

14. Fellowships Awarded (National/International) Faculty/Students Stipend awarded :

S. No.	Agency	Position (URF/JRF/SRF/RA/ others)	Number of Fellowships		Total
			M	F	
1					
2					

15. Scholarships Awarded: NO PG DEGREE

S. No.	Nature of Scholarship	P.G.		M.Phil.		Ph.D.		Total Amount Rs.
		M	F	M	F	M	F	
1	B.C.(State)							
2	B.C.M.(State)							
3	M.B.C./D.N.C.(State)							
4	SC/SCA/ST(National)							
5	SC/SCA/ST(State)							
6	First Generation Free Education							
7	Loan Scholarship							
8	Others (Specify the name of the scholarship)							
	Total							

16. Performance of the Students:

S. No	Course	S1		S2		S3		S4		S5		S6		S7		S8	
		App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass	App.	Pass
		19	14	19	14	14	10	14	10	19	12	19	13	09	09	09	09

17. Placement Details:

Name of the Placement co-ordinator : B.Bhavanish			
Phone/Mobile Number :e-mail: br.bbavanish@gmail.com			
Number of Placement Programmes:			
S. No.	Particulars	Numbers of students placed	
		Male	Female
1	Number of Students Placed	5	1
2	Number of Placements obtained through Campus Interview	5	1
3	Ratio of Placement to Students (Total no of Placement / Total no of Students)		

18. Outstanding achievements by the Faculty Members

S. No.	Name of the Faculty	Achievements	Agency
1			

19. Outstanding achievements by Students:

S.No.	Name of the Student	Achievements	Agency
1			
2			

20. Department Meeting Held : Programe Committee, Course Committee etc. BOS

S.No	Name	Date	
1.	Course Committee	NIL	
	Programme Committee	29.07.2016 12.09.2016 02.11.2016	
	Board Of studies	10.06.2016	

21. Infrastructure and Research facilities available (Please specify equipments more than Two Lakhs Only) :

S. No.	Name of the Lab	Name of the Equipments/Computer/Software/Others	Quantity	Purpose Research/Practical

22. Extension activities carried out:

S. No.	Name of the Activity	Beneficiaries	Date	Venue

23. Department Library/Learning Resources/ Information and Language Lab:

Name of the Librarian or Faculty in-charge of the Library: Mr.R.Rajesh

S. No.	Particulars	Nos.	S. No.	Particulars	Nos.

1	No. of books available	120	7	No. of titles available	70
2	Books added during the year 2015	53	8	No. of CDs and Digital Books available	-
3	No. of Indian Journals/Magazines	-	9	No. of Foreign Magazines/Journals	-
4	No. of data bases available	-	10	No. of Online Journals	-
5	Average No. of students visiting the Library per day	10	11	Average No. of books Issued per day	1
6	Availability of Internet (Specify the Capacity) (e.g. – 8 Mbps etc.)	-	12	Availability of Language Lab	-

24. Information and Communication Technology Resources:

S. No.	Name of the Equipment	Specifications	Nos.	S. No.	Name of the Equipment	Specifications	Nos.
1							

24. Collaborative Researches : Nil

25. Consultancies : Nil

26. No. of NET/SET/GATE/CSIR Qualified students: Nil

27. MOUs signed : Nil

28. Innovations and Best Practices : Nil

29. Others

SI.NO	Name	Title of the Program	Duration
1.	Dr.B.Bavanish	Entrepreneurship awareness camp	11/11/2016

KEY ACADEMIC RATIOS

S.No.	Particulars	Formula	Ratio
1	FACULTY RATIOS		
1.1	Non-Teaching staff to Teaching Faculty Members' Ratio	Total No. of Non-Teaching Staff / Total number of Teaching staff(1/4)	0.25
1.2	Ratio of publications per faculty	Total no. of publications / Total no. of Faculty members (15/4)	3.75
1.3	Ratio of Paper presentation to Faculty	Total no. of papers presented/ Total no. of Faculty members (22/4)	5.5
1.4	Ratio of Workshops, Seminars, Conference organized to Faculty	Total no. of Seminars etc, organized / Total no. of Faculty members (-)	-
1.5	Ratio of participation	No. of Faculty who attended the programmes / Total number of teaching staff ()	-
1.6	Ratio of Projects to Faculty	Total no. of Projects/Total no. of Faculty members ()	-
2	RESOURCE RATIOS		
2.1	Ratio of Computers per student	Total no. of Computers in the Department/ Total No. of Students ()	-
2.2	Ratio of Books to students	Total no. of Books / Total no. of Students (580/61)	9.01
2.3	Hostellers' Ratio	Total hostel inmates / Total students admitted (30/61)	0.5
2.4	Constructed area per student	Total constructed area / Total number of students (550/61)	9.01
3	STUDENT RATIOS		
3.1	Demand Ratio	Number of Students Applied / No. of Students Admitted (61/61)	1
3.2	Student Faculty Ratio	Total number of Students/Total No. of Faculty members (61/4)	15.25
3.3	Gender Ratio	Total number of female students / Total number of male students (1/61)	0.01
3.4	Percentage of differently abled students admitted	No. of differently abled students admitted / Total no. of students admitted ()	-
3.5	Percentage of students from other state	No. of other state students admitted / Total no. of students admitted (50/61)	0.81
3.6	Percentage of Foreign students admitted	No. of Foreign students admitted / Total no. of students admitted ()	-
3.7	Success Rate of Students	Total number of students passed / Total number of students appeared for final exam (9/9)	1
3.8	Cost of education per student	Total Expenditure / Total no. of Students on roll	-
3.9	Amount of scholarship per student	Total amount of scholarships / Total no. of Students getting scholarships	-
3.10	Ratio of students given remedial coaching	No. of students given remedial coaching / Total no. of Students (25/61)	0.4
3.11	Research scholars' ratio	Total No. of M.Phil./Ph.D./Post Doctoral scholars'/Total No. of scholars' in the department ()	-
4	OTHER ACADEMIC RATIOS		
4.1	Percentage of student dropouts in the academic year 2012 – 2014	Number of dropouts / Number of students admitted (2/61)	0.02
4.2	Ratio of placements to students	Total no. of Placements / Total no. of out going students (6/9)	0.6
4.3	Ratio of students given competitive / Civil service Examination coaching	No. of students given coaching / Total no. of out going Students ()	-

RESEARCH AND DEVELOPMENT CENTRE 2016-17

1. Centre Details :

Name	Research and Development Centre
Director's Name	Dr.M. Dev Anand
Phone No.	9486758653
Website/E-mail	anandpmt@hotmail.com

2. Board of Research and Development

3.

S.No.	Name	Designation
1.	Dr. R. Perumalsamy, Vice -Chancellor, NICHE.	Chairman
2.	Dr. N. Chandrasekhar, Pro-Vice Chancellor, NICHE	Member
3.	Dr. K. A. Janardhanan, Dean, Faculty of Management Studies, NICHE.	Member
4.	Dr. R.S. Vinod Kumar, Dean, Faculty of EEE, NICHE.	Member
5.	Dr. A. Shajin Nargunam, Dean, Faculty of ICE, NICHE	Member
6.	Dr. P. Nagendra Prasad, Dean, Faculty of Technology, NICHE.	Member
7.	Dr. V. Narayanan Nair, Dean, Faculty of Civil Engineering, NICHE.	Member
8.	Dr. M. K. Jeyakumar, Dean, Faculty of Computer Science, NICHE.	Member
9.	Dr. M. Immaculate Mary, Dean, Faculty of Humanities & Science, NICHE.	Member
10.	Prof. S. Mohana Das, Dean, Faculty of Marine Engineering, NICHE.	Member
11.	Padma Shri. Dr. N. Vedachalam, Distinguished Professor, Director-LPSC (Rtd.), VSSC, Trivandrum.	Member
12.	Dr. N. Periasamy, Professor, School of Chemistry, University of Hyderabad, Hyderabad.	Member
13.	Dr. T. J. Pandian, Emeritus Professor, School of Biological Sciences, M.K University, Madurai.	Member
14.	Dr. M. Lakshmanan, Profesor of Eminence & DST Ramanna Fellow, Centre for Nonlinear Dynamics, Bharathidasan University, Trichy.	Member
15.	Dr. A. Kannan, Professor & Head, Department of Information Science & Technology, Anna University, Chennai.	Member

16.	Dr. T. J. Apren, Head, R.F System and Development Division, VSSC, Thumba, Trivandrum - 695002	Member
17.	Dr. M. Dev Anand, Dean, Faculty of Mechanical Engineering, Director - Research, NICHE.	Member Secretary
18.	Dr. P. Thirumalvalavan, Registrar, NICHE	Invitee
19.	Dr. A. E. Muthunayagam, Advisor, NICHE	Invitee

Research Parameters :

	16-17	Cumulative
h index of NICHE		
Citations Index		
Publications (Scopus SCI etc.		
Impact Factor (SCI)		
UGC Approved Journals		
Impact Factors		
Obtained by others		

Maximum h index

Average Publication per Faculty :

3. List of Approved Guides

S.No.	Name	Faculty/ Dept.	Eligible no. Scholars		No. of Registered Scholars	
			M.Phil.	Ph.D	M.Phil.	Ph.D.

5. Research Facilities Available :2016-17

6. List of Ph.D.s Awarded :

S.No.	Name of the Scholar	Supervisor's Name	Faculty	Department	Title

7. Activities of the R & D

S.No.	Particulars	Dates
	Workshops	
	Seminar / Conferences, etc	

8. Details of the Fellowships obtained :

S.No.	Name	Department	Funding Agency	Amount of Fellowship

9. Details of the stipend Provided :

S.No.	Name	Department	Sponsor	Amount of Fellowship

10. Ph.D. Scholars Details Admitted during 2016-17 :

S.No.	Department	Full time		Part time	
		M	F	M	F
	Total				

11. Details of NET/SET/CSIR/ Qualified Students :

Sl. No.	Name of the Scholar	Department	Academic Year	Remarks
1.	Dharmapandian P	Chemistry	2011-12	GATE
2.	Lashma K	CSE	2011-12	GATE
3.	Sreekumar Pulakkazhy	CSE	2011-12	GATE
4.	Kavitha Lekshmi B. S	EEE	2011-12	GATE
5.	Rajesh A. V	EEE	2011-12	GATE
Total Number of NET Qualified Ph.D. Students – Nil; GATE: 05 Students				
6.	Dhanya J S	MS	2012-13	NET
7.	Parvathy V	English	2012-13	NET
8.	Sreejith S. Ampady	ECE	2012-13	GATE
9.	Deepa Berchmans	ECE	2012-13	GATE
10.	Priya P. Sajan	CA	2012-13	GATE
Total Number of NET Qualified Ph.D. Students - 02; GATE: 03 Students				
11.	Praveen K Wilson	CSE	2013-14	NET
12.	Zina Ravindran	ECE	2013-14	GATE
13.	Jessykutty M Jose	English	2013-14	NET
Total Number of NET Qualified Ph.D. Students - 02; GATE: 01 Students				
14.	Rakesh S	ECE	2014-15	NET
Total Number of NET Qualified Ph.D. Students - 01				
Academic Year 2015-16 – Nil				
Academic Year 2016-17 – Nil				
Academic Year 2017-18 – Nil				

13. Details of the Patents :

Sl. No.	Name & Designation of the Applicant	Title	Reference No	Remarks
1.	Dr. N. Chandrasekhar, Pro Vice Chancellor, Professor, Department of Mechanical Engineering, NICHE	Sun Tracker Device	251549	Granted
2.	Dr. A. E. Muthunayagam, Advisor, NICHE	A Process, System and Configuration for Desalinization of Sea Water	196396, (141/MAS/2003)	Granted

3.	Dr. A. E. Muthunayagam, Advisor, NICHE	Integrated Ocean Energy cum Desalination System for Ocean Waters	CHE/3547/2010	Granted
4.	Dr. M. Murugan, Associate Professor, BME, NICHE	Smart Food Feeder for Stroke/Coma/Elderly Bedridden Patients	5786/CHE/2015	Granted
5.	Dr. M. Murugan, Associate Professor, BME, NICHE	Hand Finger Operated System for Sound Production of Characters in Languages Useful for Speed	5787/CHE/2015	Granted
6.	Dr. N. Chandrasekhar, Pro Vice Chancellor, Professor, Department of Mechanical Engineering, NICHE	Hydraulic Sun Tracker (HST)	1662/CHE/2005	Published
7.	M. S. Faizal Khan, Pro Chancellor, NICHE	NIUSAT; A Nano Satellite	E-2/3329/2017- CHE	Examination
8.	Dr. R. C. Mehta, Department of Aeronautical Engineering, NICHE	Image Processing Algorithm for Fringe Analysis in Photo- elasticity	E-2/3332/2017- CHE	Examination
9.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Drill Jig for Spherical Objects	E-2/3327/2017- CHE	Examination
10.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Application of an Integrated RE/RP/CAD/CAM/ System for 3D Printing Process Materials for Robot ARM	E-2/3328/2017- CHE	Examination
11.	Mr. Rohith I. J, Assistant Professor, Department of Aeronautical Engineering, NICHE	Aircraft Winglet Modification to Reduce Vertical Stabilizer Length	E-2/3330/2017- CHE	Examination
12.	Mr. Rohith I. J, Assistant Professor, Department of Aeronautical Engineering, NICHE	Drag Reduction in Aircraft Wing by Inducing Surface Roughness	E-2/3331/2017- CHE	Examination
13.	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Satellite Based Wireless Sensor Networks for Environmental Monitoring Applications	5612/CHE/2015	Examination

14..	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Cloud Based Hybrid Processor Pool Architecture for Sustaining Green Computing	5613/CHE/2015	Examination
15.	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Mobile Assisted Automated Disaster Support System	5780/CHE/2015	Examination
16.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Abrasive, Magnetic Field and Ultrasonic Vibration Assisted Micro - AMP for Electro Chemical Machining	5610/CHE/2015	Examination
17.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget – Beam Direction	5608/CHE/2015	Examination
18.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Innovative Gasifier Design	5606/CHE/2015	Examination
19.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Modular Reconfiguration Safety Robot	5599/CHE/2015	Examination
20.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget – Contour Plotter	5591/CHE/2015	Examination
21.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Hybrid Wind Solar Domestic Power Supply System	5593/CHE/2015	Examination
22.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget- Styrofoam Cutter	5607/CHE/2015	Examination
23.	Dr. K.A. Janardhanan, Professor, Department of Management Studies, NICHE	Innovative SCM Model for Agro Products	5595/CHE/2015	Filling
24.	Dr. L. Padma Suresh, Professor, EEE, NICHE	Bacterial Foraging Based Tuned PI Controller for Buck - Boost Converter	5594/CHE/2015	Filling

25.	Dr. I. Jacob Raglend, Professor EEE, NICHE	Design of an X-Band Antenna Model for Radar Applications	5592/CHE/2015	Filling
26.	Dr. L. Padma Suresh, Professor, EEE, NICHE	Linear Quadratic Regulator and Sliding Mode Control to Control Pitch, Roll and Yaw of Air	5604/CHE/2015	Filling
27.	Dr. S. Gopalakrishnan , Assistant Professor, Department of Nano Technology & Dr. R. Ganapathi Raman, Assistant Professor of Physics	Enhancement of Graphene Oxide Photoluminescence BY Novel Bi-Layered Structure	5508/CHE/2015	Filling
28.	Mrs. Mohamed Sirajul Muneera, Assistant Professor Department of Chemistry, NICHE	Electro Fluorescent Properties of Copper Complex of Pyrazoline Derivatives	5783/CHE/2015	Filling
29.	Dr. R. S. Shaji, Professor, Department of IT, NICHE	Robust Defense Mechanism for Securing Cyber Physical System Components in Cyber Warfare	5781/CHE/2015	Filling
30.	Dr. Shajin Nargunam, Professor, Department of CSE, NICHE	Trusted Computing Based Security Architecture for Mobile Cloud Computing	5779/CHE/2015	Filling
31.	Mr. T.M. Sharmila, Assistant Professor Department of Chemistry, NICHE	Elective Fluorescent Property of Indole Substituted Pyrazoline Derivative	5804/CHE/2015	Filling
32.	Dr. R.S. Shaji, Professor, Department of IT, NICHE	An Optimized Image Forgery Detection Technique for Cyber Forensic Application	5782/CHE/2015	Filling

13. List of Ongoing Projects

S. No	Name of Principal Investigator	Department	Title of the Project	Name of the Funding Agency	Year	Sanctioned Order No.	Sanctioned Date	Amount Rs.

14. Research Papers Publication in the SCOPUS / SCI and UGC approved Journals Data Base in year 2016-17

S.No.	Title	Author(s)	Journal	Inspect Teacher

15. Consultancy :

S.No	Name of the Project	Sponsoring Agency	Amount of Sponsorship (Rs.)	Date of Award

Result Analysis for Passed out Batches –May-2016

Sl.No	Course	Total Strength	Appeared	No. of Pass	Pass Percentage
1.	B.E. Aeronautical Engineering	49	49	33	67.35
2.	B.E. Aerospace Engineering	11	11	10	90.91
3.	B.E Automobile Engineering	32	32	19	59.38
4.	B.E. Bio-medical Engineering	22	22	20	90.91
5.	B.E. Civil Engineering	88	88	61	69.32
6.	B.E. Computer Science & Engineering	50	50	42	84
7.	B.E. Electronics & Communication Engineering	63	63	49	77.78
8.	B.E Electrical & Electronics Engineering	34	34	28	82.35
9.	B.E Electronics & Instrumentation Engineering	21	21	20	95.24
10.	B.Tech. Information Technology	11	11	10	90.91
11.	B.E Mechanical Engineering	131	131	108	82.44
12.	B.Tech Nanotechnology	11	11	11	100
13.	B.Tech. Fire Technology and Safety Engineering	06	06	05	83.33
14.	B.E. Marine Engineering	06	06	06	100
15.	M.E Aeronautical Engineering	04	04	04	100
16.	M.E. Communication Systems	05	05	05	100
17.	M.E. Applied Electronics	02	02	02	100
18.	M.E. Computer Science & Engineering	02	02	02	100
19.	M.E Cyber Security	07	07	07	100
20.	M.E. Control & Instrumentation Engineering	03	03	03	100

21.	M.Tech. Nanotechnology	01	01	01	100
22.	M.E Automobile Engineering	02	02	02	100
23.	M.E. Biomedical Instrumentation Engineering	01	01	01	100
24.	M.E Thermal Engineering	04	04	04	100
25.	M.E Structural Engineering	09	09	09	100
26.	Master of Computer Applications	30	30	30	100
27.	Master of Business Administration	45	45	38	84.44
28.	M.Sc. Software Engineering	05	05	5	100
29.	M.Sc. Physics	05	05	5	100
30.	M.Sc. Chemistry	08	08	8	100
31.	M.Sc. Mathematics	02	02	02	100
32.	M.A English	11	11	11	100
33.	M.Phil English	34	34	30	88.24
34.	M. Phil. Physics	01	01	01	100
35.	M.Phil. Chemistry	04	04	04	100
36.	M. Phil. Biotechnology	05	05	05	100
37.	M. Phil. Mathematics	16	16	16	100
38.	M. Phil. Computer Science	43	43	40	93.02
39.	M. Phil. Management Studies	13	13	11	84.62
40.	Ph.D. in Computer Science and Engineering	-	-	05	-
41.	Ph.D. in Computer Science	-	-	03	-
42.	Ph.D. in Electrical and Electronics Engineering	-	-	04	-
43.	Ph.D. in Electronics and Instrumentation Engineering	-	-	02	-
44.	Ph.D. in Mechanical Engineering	-	-	04	-
45.	Ph.D. in Civil Engineering	-	-	01	-
46.	Ph.D. in Management Studies	-	-	02	-

47.	Ph.D. in Chemistry	-	-	05	-
48.	Ph.D. in Mathematics	-	-	01	-
49.	Ph.D. in Nanotechnology	-	-	01	-
50.	Ph.D. in English	-	-	02	-

Degree: B.E

Branch: Aeronautical Engineering

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112201005	Alsia S	8.95	First Class with Distinction	4003	1
2.	0112201013	Hari Krishnan R S	9.06	First Class with Distinction	3997	2
3.	0112201016	Jeya Lekshmi. C	8.93	First Class with Distinction	3950	3

Degree: B.E

Branch :Aerospace Engineering

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112202004	Ashly Jasmine R	9.27	First Class with Distinction	4147	1
2.	0112202005	Deepalakshmi P	8.85	First Class with Distinction	3843	2
3.	0112202011	Reuben Mathew Jacob	8.75	First Class with Distinction	3838	3

Degree: B.E

Branch :Electronics & Communication Engineering

Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112210057	Swathi Raj V S	9.61	First Class with Distinction	4131	1
2.	0112210017	Geethu T. Nair	9.50	First Class with Distinction	4081	2
3.	0112210025	Krishna Mohan	9.13	First Class with Distinction	3922	3
4.	0112210042	Reema S	9.06	First Class with Distinction	3870	4
5.	0112210019	Hridhya G Kurup	8.94	First Class with Distinction	3838	5

Degree: B.E Branch :Electrical & Electronics Engineering

Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112209007	Anjana Prathap	9.26	First Class with Distinction	3870	1
2.	0112209001	Abba	9.22	First Class with Distinction	3846	2
3.	0112209013	Jinu Bama J P	8.78	First Class with Distinction	3724	3

Degree: B.E Branch : Electronics & Instrumentation Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112211004	Anand M	8.60	<i>First Class with Distinction</i>	3811	1
2.	0112211012	Pretheesh Kumar U	8.43	<i>First Class</i>	3741	2
3.	0113311002	Anto Sahaya Jeser.C	8.49	<i>First Class</i>	3679	3

Degree: B.E Branch :Civil Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0113306008	Sreekumara Ganapathy. V.S	9.51	<i>First Class with Distinction</i>	4023	1
2.	0112206014	Archana V Nair	9.21	<i>First Class with Distinction</i>	3929	2
3.	0112206025	Fabitha S	9.20	<i>First Class with Distinction</i>	3904	3
4.	0113306005	Bichu. V. Panicker	9.01	<i>First Class with Distinction</i>	3787	4
5.	0112206028	Habeeba K	8.76	<i>First Class with Distinction</i>	3739	5
6.	0112206089	Ananda Narayanan U	8.72	<i>First Class with Distinction</i>	3723	6

Degree: B.E Branch :Mechanical Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112217021	Arun P S	9.27	<i>First Class with Distinction</i>	4137	1
2.	0112217019	Arumuga Siva G	9.02	<i>First Class with Distinction</i>	4081	2
3.	0112217105	Shemin S	9.08	<i>First Class with Distinction</i>	3956	3
4.	0112217015	Ansil Salim Mohamed	8.67	<i>First Class with Distinction</i>	3807	4
5.	0112217005	Ajmal R	8.50	<i>First Class with Distinction</i>	3790	5
6.	0112217038	Diyon Francis	8.63	<i>First Class with Distinction</i>	3782	6
7.	0112217041	Freddy Eldhose	8.51	<i>First Class with Distinction</i>	3768	7
8.	0112217056	Jeril Sunny	8.51	<i>First Class with Distinction</i>	3741	8
9.	0112217094	Saidali L I	8.23	<i>First Class</i>	3715	9
10.	0113317012	Shamnad M	8.39	<i>First Class</i>	3677	10
11.	0112217003	Abhilash K S	7.97	<i>First Class</i>	3675	11

Degree: B.E Branch :Computer Science & Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112208013	Arthi Krishna K	9.15	<i>First Class with Distinction</i>	4151	1
2.	0112208051	Reshmi Vijayan	8.99	<i>First Class with Distinction</i>	4026	2
3.	0112208037	Kowshick C M	8.72	<i>First Class with Distinction</i>	3985	3

4.	0112208050	Reshma Suresh	9.00	<i>First Class with Distinction</i>	3973	4
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Degree: B.Tech.

Branch :Information Technology Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112213016	Sindhuja D	9.21	<i>First Class with Distinction</i>	3813	1
2.	0112213014	Subha M P	8.48	<i>First Class</i>	3559	2
3.	0112213002	Abirami M I	8.03	<i>First Class</i>	3397	3

Degree: B.E

Branch :Automobile Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112203028	Sansal Khan A	8.84	<i>First Class with Distinction</i>	3939	1
2.	0112203002	Akhil Prasad	8.51	<i>First Class with Distinction</i>	3742	2
3.	0112203016	Gladson. D	7.43	<i>First Class</i>	3481	3

Degree: B.E

Branch :Biomedical Engineering Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112204006	Kukku J Nadh	9.39	<i>First Class with Distinction</i>	4332	1
2.	0112204016	Sabiya Shabnam R	9.27	<i>First Class with Distinction</i>	4304	2
3.	0112204005	Jesima Bhanu O A	9.20	<i>First Class with Distinction</i>	4231	3

Degree: B.Tech.

Branch : Nanotechnology

Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112218001	Anto Godwin M	9.28	<i>First Class with Distinction</i>	4021	1
2.	0112218004	Jincymol George	9.50	<i>First Class with Distinction</i>	3998	2
3.	0112218005	Josny Joy	9.03	<i>First Class with Distinction</i>	3764	3

Degree: B.E

Branch :Fire Technology & Safty Engg.

Month & Year of Pass:May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0112225004	Karthik Rajeev	8.56	<i>First Class with Distinction</i>	3768	1
2.	0112225005	Shivlal C	8.18	<i>First Class</i>	3699	2
3.	0112225003	Jeen Abraham A	7.44	<i>First Class</i>	3388	3

Rank List - May-2016**Degree: Master of Business Administration**

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114514021	Meenu Mohan	8.86	First Class with Distinction	2430	1
2.	0114514040	Shyni P	8.68	First Class with Distinction	2361	2
3.	0114514020	Manju Murali	8.42	First Class	2309	3
4.	0114514009	Benroyshan S	8.51	First Class with Distinction	2298	4

Degree: MCA**Branch :MCA**

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114307008	Dhanu Priya M S	9.39	First Class with Distinction	2091	1
2.	0114307014	Jamila Shafrina P	9.42	First Class with Distinction	2078	2
3.	0114307012	Indhu D	9.27	First Class with Distinction	2043	3

Degree: M.E**Branch :Aeronautical Engineering Month & Year of Pass: May-2016**

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114501002	Rohith I.J	10.00	First Class with Distinction	1947	1
2.	0114501001	Arshi S Babu	9.72	First Class with Distinction	1823	2
3.	0114501003	Vignesh V Nair	9.63	First Class with Distinction	1807	3

Degree: M.E**Branch :Communication Systems****Month & Year of Pass: May-2016**

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114510002	Dhanya V Nair	10.00	First Class with Distinction	1912	1
2.	0114510003	Jane Sofia J	9.84	First Class with Distinction	1868	2
3.	0114510005	Priyanka C S	9.74	First Class with Distinction	1849	3

Degree: M.E**Branch :Applied Electronics****Month & Year of Pass: May-2016**

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114509001	Kabeer S	9.36	First Class with Distinction	1761	1

2.	0114509002	Sylwestor Stallone V	7.75	First Class	1379	2
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Degree: M.E Branch : & Instrumentation Engineering Month & Year of Pass: May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114511001	Prasanth Krishnan	9.40	First Class with Distinction	1761	1
2.	0114511002	Shahid Siddhik P	9.14	First Class with Distinction	1741	2
3.	0114511003	Siddharth S Nair	8.88	First Class with Distinction	1688	3

Degree: M.E Branch : Automobile Engineering Month & Year of Pass: May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114503002	Jenu A.S	9.39	First Class with Distinction	1761	1
2.	0114503001	Gokul. P.S	9.38	First Class with Distinction	1744	2

Degree: M.E Branch :Structural Engineering Month & Year of Pass: May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114506003	Gokul Sankar N	9.76	First Class with Distinction	1840	1
2.	0114506007	Krishna Santhi	9.38	First Class with Distinction	1774	2
3.	0114506005	Kannan K Vijayan	9.38	First Class with Distinction	1752	3

Degree: M.Tech. Branch :Nano Technology Month & Year of Pass: May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114518001	Manikanda Nath N. T	8.78	First Class with Distinction	1624	1

Degree: M.E Branch :Thermal Engineering Month & Year of Pass: May-2016

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114522004	Visakh. S	9.30	First Class with Distinction	1710	1
2.	0114522003	Sanoj C S	9.10	First Class with Distinction	1680	2

3.	0114522002	Kiran Raj R	8.78	First Class with Distinction	1643	3
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Degree: M.E Branch :Computer Science & Engineering Month & Year of Pass: May-2016

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1.	0114508002	Jenila M	9.51	First Class with Distinction	1800	1
2.	0114508001	Anusha Lekshmi V S	8.76	First Class with Distinction	1679	2

Degree: M.E Branch :Cyber Security Month & Year of Pass: May-2016

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1.	0114531006	Sugirtha Jasmine. M	9.88	First Class with Distinction	1877	1
2.	0114531005	Saranya Raj C.T. R	9.39	First Class with Distinction	1769	2
3.	0114531007	Jubiya Rachel Joy	8.93	First Class with Distinction	1689	3

Degree: M.E Branch :Biomedical Engineering Month & Year of Pass: May-2016

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1	0114504001	Vyshakh Asokan	9.58	First Class with Distinction	1803	1

Degree: M.Sc Branch :Physics

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1.	0114720001	Asha P	8.80	First Class with Distinction	1652	1
2.	0114720002	Athira P	8.69	First Class with Distinction	1629	2
3.	0114720005	Lithiya Felcit A	8.28	First Class	1558	3

Degree: M.Sc Branch :Chemistry

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1.	0114705003	Priyanka A	8.73	Fist Class with Distinction	1476	1
2.	0114705001	Divya M	8.49	First Class	1445	2
3.	0114705002	Olga Maria Baby	7.93	First Class	1328	3

Degree: M.A Branch :English

Sl. No.	Reg. No.	Name	CGPA Obtained	Classification	Total Marks	Rank
1.	0114712005	Jayalakshmi Santosh	8.80	First Class with Distinction	1686	1

2.	0114712002	Betty Dainn P	7.88	First Class	1501	2
3.	0114712001	Abinaya R	7.99	First Class	1499	3

Degree: M.Sc

Branch :Mathematics

<i>Sl. No.</i>	<i>Reg. No.</i>	<i>Name</i>	<i>CGPA Obtained</i>	<i>Classification</i>	<i>Total Marks</i>	<i>Rank</i>
1.	0114716001	Divya S	9.03	First Class with Distinction	1648	1
2.	0114716002	Shalini C	8.57	First Class with Distinction	1558	2

LEARNING RESOURCE CENTRE (LIBRARY)

Name : LRC – LIBRARY
 Librarian : S. Lawyed Stephen
 Phone No. : 04651251336
 E-mail/ Website : nicelib@gmail.com

1. Resources Available:

1. Building : 1654.77 Sq
2. No. of Volumes : 77576
3. No. of Titles : 25932
4. Reference Books : 1928
5. News Papers : 11
6. Journals : 183
7. Theses : 115
8. Online Journals : 370
9. E -Books : 470
10. Back Volumes : 2771
11. CDs/ DVDs : 1665
12. Book Bank : 939
(SC/ST)
13. Additions Made : 2444
(16-17) :
14. Online Data Bases :
 1. IEEE
 2. ELSEVIER
 3. EMERALD
 4. DELNET

5. INFLIBNET
6. NDL (National Digital Library)

2. LRC LIBRARY USAGE DATA

1. No. of Members 2782
2. Average No. of Visits : 250-300
3. Usage of

IEEE	ELSEVIER	EMERALD	DELNET	INFLIBNET	NDL
1748	1489	873	356	682	1415

4. Average borrowers Per day : 100-125

3. Staff Details :

1. Assistant Librarians 02
2. Assistants 05
3. Helpers 02

DEPARTMENT OF PLACEMENT & TRAINING

Additional Requirement:

The assembly area and the training facility are all located in the same premises of Training & Placement Department. Because of this we find it difficult to conduct regular training programs and also briefing by the companies. During the summer period, the temperature in the training room is really unbearable because there is no reduction from heat as we are on the last floor of the library.

We have plans to conduct training programs regularly. In order for us to do this, we need to consider putting up a protection above the present floor, from excessive heat radiation.

Estimated cost of roofing is Rs. 5 Lakhs

