



NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

(Declared as Deemed-to-be-University under section 3 of U.G.C Act 1956)

Kumaracoil - 629180, Kanyakumari Dist., Tamilnadu

BOARD OF RESEARCH, DEVELOPMENT & CONSULTANCY (BRDC)

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RESEARCH FACILITIES

(1) Nano Material Characterization Lab:

- FTIR
- UV/Vis
- Particle Analyser
- Surface Area Analyser
- TG/DTA
- Electro Chemical Analyzer
- AFM

Contact Person : Dr.Venugopal, Professor, Dept of Nano Technology, NICHE

(2) Material Testing Lab:

- Computerized Tensile Testing Machine
- Computerized Compression Testing Machine
- Computerized Flexural Testing Machine
- Brinell, Vickers, Rockwell Hardness Testing Machine
- Fatigue Testing Machine
- Impact Testing Machine

Contact Person : The Head, Dept of Mechanical Engg., NICHE

(3) Material Processing Lab:

- Cold Compaction
- Hot Extrusion
- Muffle Furnace
- Vacuum Furnace

Contact Person: The Head, Dept of Mechanical Engg., NICHE

(4) Machining Lab:

- Conventional Lathe with Dynamometer
- Convectional Drilling with Dynamometer

Contact Person: The Head, Dept of Mechanical Engg., NICHE

(5) CFD Lab:

- ANSYS-FLUENT
- MAT LAB

Contact Person: The Head, Dept of Aerospace Engg., NICHE

(6) Electronics System Design Lab:

- IPM Based Power Module (3 HP)
Model: PEC16DSMO-1
- LPC 2378 "OEM" Development Board
- CAN Application Development
- Vi-Z RF Module with Vi-Z Battery Board
- IAR Embedded Work Bench for Arm-BL-Network
- LPC 2378 Development Board
- LPC 2648 Development Board for Porting uclinux
- ATMEL ARM9 Development Board
- Linux BSP Support for ARM 9 1
- GPS/GSM Development Board
- Embedded Work Server Development Kit
- IAR Embedded Work Bench for Arm
- J Link Debugger for ARM

- uC/Probe Real Time Monitoring Tool (1 User License) uC/OS-II, The Real Time Kernal
- MiPower Software
- DSO 100 MHz Multisignal Oscilloscope with Logic Analyzer
- TMS 320F 4071 Based DSP Controller
- TMS 320F 42074 DSP Code Composer Studio IDE
- Dual Spartan 3 Controller with Supporting Software

Contact Person: The Head, Dept of EEE., NICHE

(7) Microbiology Lab:

- UV/Vis
- Water Analyzer
- Microbial Analysis
- DND Cleavage Study
- Electrochemical Analyzer

Contact Person: Dr. Joseph, Dept of Chemistry, NICHE

(8) Structural Lab:

- Computerized Tensile Testing Machine
- Computerized Compression Testing Machine
- Computerized Flexural Testing Machine
- Brinell, Vickers, Rockwell Hardness Testing Machine

Contact Person : The Head, Dept of Civil Engg., NICHE

(9) Soil Lab :

- Sieve Shaker Apparatus
- Liquid Limit Apparatus
- Procter Compaction Test
- UCC Test

Contact Person : The Head, Dept of Civil Engg., NICHE

(10) Concrete Lab:

- Concrete Test
- Vicat Apparatus

Contact Person : The Head, Dept of Civil Engg., NICHE

(11) Environmental Lab:

- pH Meter with Accessories

Contact Person : The Head, Dept of Civil Engg., NICHE

(12) E-Resources:

- Scindirect
- IEEE
- ASME
- ASCE

Contact Person: The Librarian, NICHE