BRANCHES OF ENGINEERING

a) Undergraduate Programmes
   i) Chemical Engineering
   ii) Civil Engineering
   iii) Computer Science & Engineering
   iv) Electrical Engineering
   v) Electronics & Communication Engineering
   vi) Information Technology
   vii) Mechanical Engineering
   viii) Metallurgical & Materials Engineering

b) Postgraduate Programmes
   i) Communication & Information Technology
   ii) Electrical Power and Energy Systems
   iii) Geotech Engineering
   iv) Industrial Tribology and Maintenance Management
   v) Mechanical System Design
   vi) Structural Engineering
   vii) Transportation Engineering & Planning
   viii) Water Resources Engineering

c) M.Phil Programmes
   i) Physics
   ii) Chemistry
   iii) Mathematics
   iv) Social Science & Management

d) Ph. D Programmes
   i) All branches of Engineering
   ii) Physics
   iii) Chemistry
iv) Mathematics  
v) Social Science & Management

AREAS OF EXCELLENCE

a) Chemical Engineering  
   i) Process Engineering & Design  
   ii) Membrane synthesis & Characterization  
   iii) Membrane Separations  
   iv) Electro dialysis and Reverse Electro dialysis  
   v) Fuel Cells & Batteries  
   vi) Biochemical Engineering  
   vii) Computational Fluid Mechanics  
   viii) Nanotechnology Energy & Environment

b) Civil Engineering  
   i) Disaster Management which mainly include Floods, Earthquakes, Snow/ Avalanches and Landslides  
   ii) Sanitation and Waste Management  
   iii) Low Cost Housing satisfying regional requirements  
   iv) Water Resources Management  
   v) Sustainable Transportation which includes land use transport planning, intelligent Transport system & pavement Management

c) Computer Science & Engineering  
   i) System Design & Reconfigurable Computing  
   ii) Computer Networks

d) Electrical Engineering  
   i) Power system optimization, Energy System Planning & Modelling.  
   ii) Intelligent Control of Power system, Application of Energy Storage Devices to Power System.  
   iii) Wind Energy Conversion System.
iv) Power Quality, Flexible AC Transmission
v) Control System & Automation

e) Electronics & Communication Engineering
   i) Microelectronics & VLSI Design
   ii) Information Security
   iii) Image Processing & Forensics
   iv) Wireless Technologies
   v) Automatic Testing & Management

f) Information Technology
   i) Wireless Sensor Networks
   ii) Cloud Computing

h) Metallurgical & Materials Engineering
   i) Process Metallurgy & Materials Engineering
   ii) Mechanical Metallurgy, NDT and Foundry Engineering
   iii) Corrosion Engineering & Nano Materials
i) Chemistry
   i) Natural Product Chemistry
   ii) Water / Soil Chemistry in environmental studies
   iii) Photoadducts—Synthesis, Kinetics and Characterization
   iv) Organic Synthesis & Characterization

j) Physics
   i) Nanoscience
   ii) Nanostructured Coatings

k) Mathematics
   i) Sequence Spaces, Summability Theory
   ii) Wavelet Analysis
   iii) Complex Analysis

IN ADDITION TO THE ABOVE, A CENTRAL RESEARCH FACILITY (CRF) HAS RECENTLY BEEN ESTABLISHED AT N.I.T SRINAGAR, WHICH IS INTERDISCIPLINARY IN NATURE CATERING TO THE LOCAL/REGIONAL/NATIONAL NEEDS.