SCHOOL OF BASIC AND APPLIED SCIENCES

MINOR STREAMS
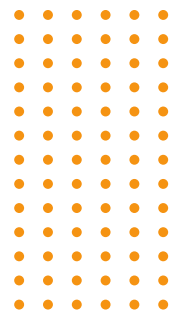
MINOR STREAMS

Nanoscience

I	Study of Materials
II	Elements of Nanosciences and Nanomaterials
III	Nanostructured Materials
IV	Crystallography
V	Crystallography Lab
VI	Synthesis of Nanomaterials-I
VII	Synthesis of Nanomaterials-II
VIII	Synthesis of Nanomaterials- Lab
IX	Characterisation Techniques of Nanomaterials

Artificial Intelligence & Machine Learning

I	Data Analytics using SQL
II	Data Analytics using R software
III	Python for Data Science
IV	Data Structures and Algorithms
V	Fundamentals of Artificial Intelligence
VI	Fundamentals of Machine Learning
VII	Neural Network and Deep Learning
VIII	Natural Language Processing and Generative AI

Environmental Science

I	Earth and Earth Surface Processes
II	Hydrology and Hydrogeology
III	Natural Resources Management and Sustainability
IV	Natural and Anthropogenic Hazards
V	Environment Legislation Policies and ESG's
VI	Waste Management
VII	Environmental Impact Assessment and Risk Assessment
VIII	SDG's and Climate Change

Data Sciences

I	Data Analytics Using SQL
II	Data Analytics Using R
III	Python for Data Science
IV	Data Preprocessing & Visualization Using Python
V	Time Series Analysis and Forecasting Using Python
VI	Fundamentals of Machine Learning
VII	Data Driven Applications
VIII	Project and Case Study