



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

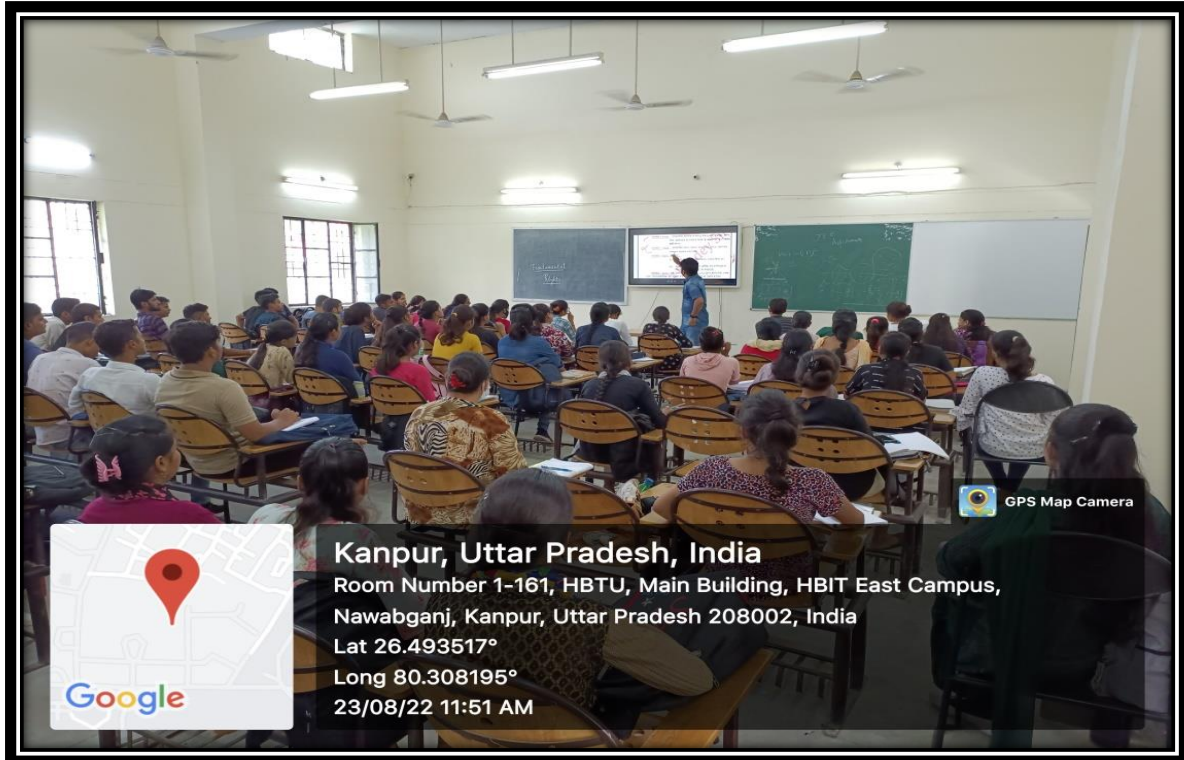
(Formerly Harcourt Butler Technological Institute, Kanpur)

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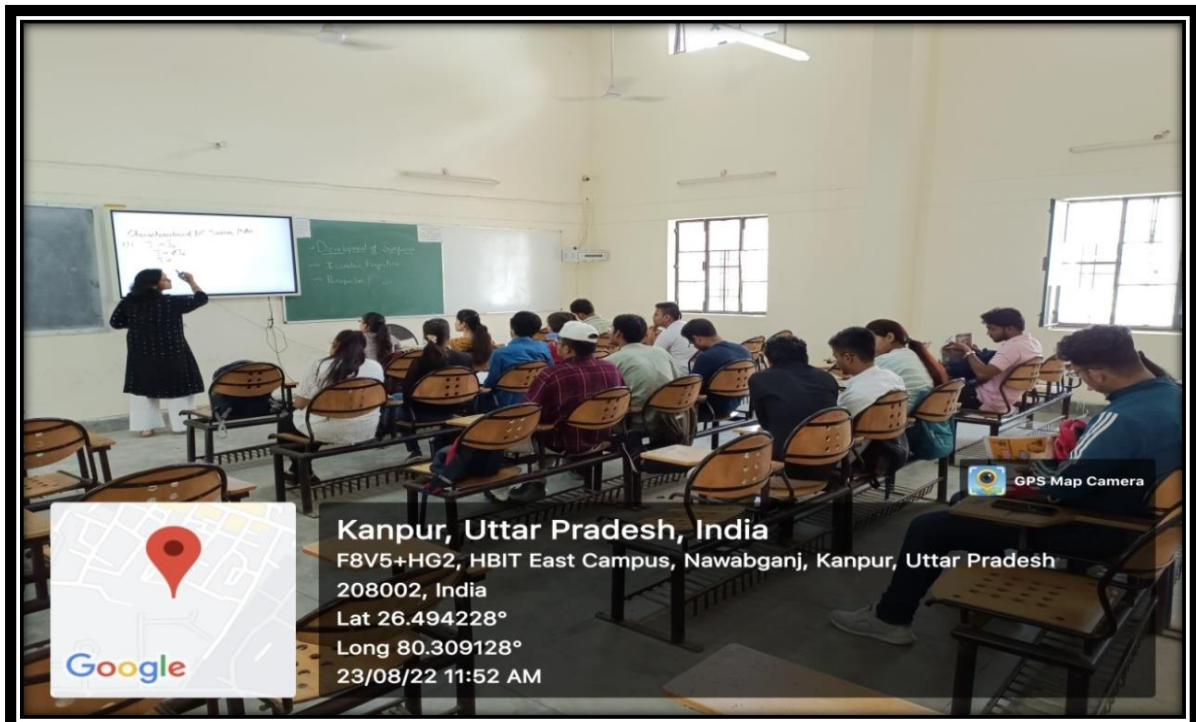
100 YEARS
1921 - 2021

4.1.1. Sample Geo Tagged Pictures of ICT Enabled Class Rooms & Laboratories

Room No- G 5



Room No- G 3



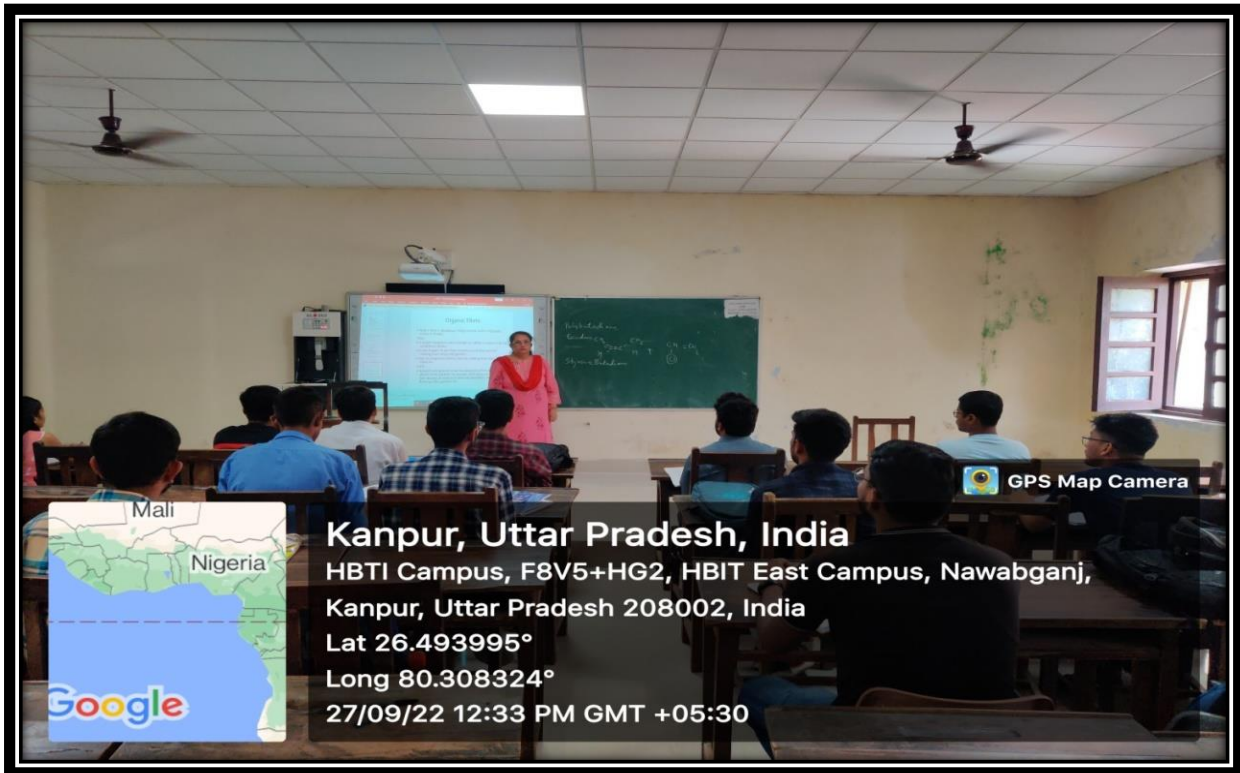
Food Technology Seminar Hall



Bio-Chemical Engineering, Seminar Hall



Plastic Technology Seminar Hall



Civil Engineering Lecture Hall



Civil Engineering Class Room-1



Oil Technology Seminar Hall & Room No. 202



Electrical Engineering Class Room-1



Electronics Engineering Class Room-2



Computer Science Engineering, Conference Room



Computer Science Engineering, Class Room-1



Oil Technology Department

Advance Surfactant Lab

Advance Surfactant Lab is utilized by students for performing their research work. This lab consists of various instruments such as UV-Vis spectrophotometer, Rotary Evaporator with Vacuum Controller & Diaphragm Vacuum pump, Multi- fuel Analyzer, FT- IR, Analytical Balance, Gloss-O- meter, Differential Scanning Calorimeter, Thermo gravimetric Analyzer System, SAFETEST -II Analyzer, Lovibond Tintometer, Gas Chromatograph, Rheometer, Hybrid SFC-HPLC, etc.



Plastic Technology Department

Polymer Processing Lab

This Lab is equipped with various Polymer Processing machines such as Injection molding, Rotational Molding, Compression Molding, Stretched Blow Molding, Blown Film Extruder, Twin Screw Extruder, Manual Blow Molding, Manual Injection Molding, Screw type Automatic Blow Molding, Vacuum Forming, Two Roll Mill, etc



UG Lab

Undergraduate Laboratory-I (UG LAB-I) is a facility used to carry out the practical exercises related to basic food chemistry and food analysis. The laboratory is equipped with the equipment and machinery required to perform proximate and basic food analysis. The major equipment available in laboratory is as follows:

- Hot Air Dryer
- Vacuum Dryer
- IR Moisture Meter
- Microwave
- Incubator
- Automatic Protein Estimation
- Fibra Plus, Socs Plus
- Muffle Furnace
- Stirrer
- Centrifuge
- Magnetic Stirrer
- Rotary Shaker
- Water Bath
- Deep Freezer
- Rotary Vacuum Evaporator
- Hot Plate
- Electronic Weighing Balance



Unit



Leather Technology Department

Physical Testing Lab

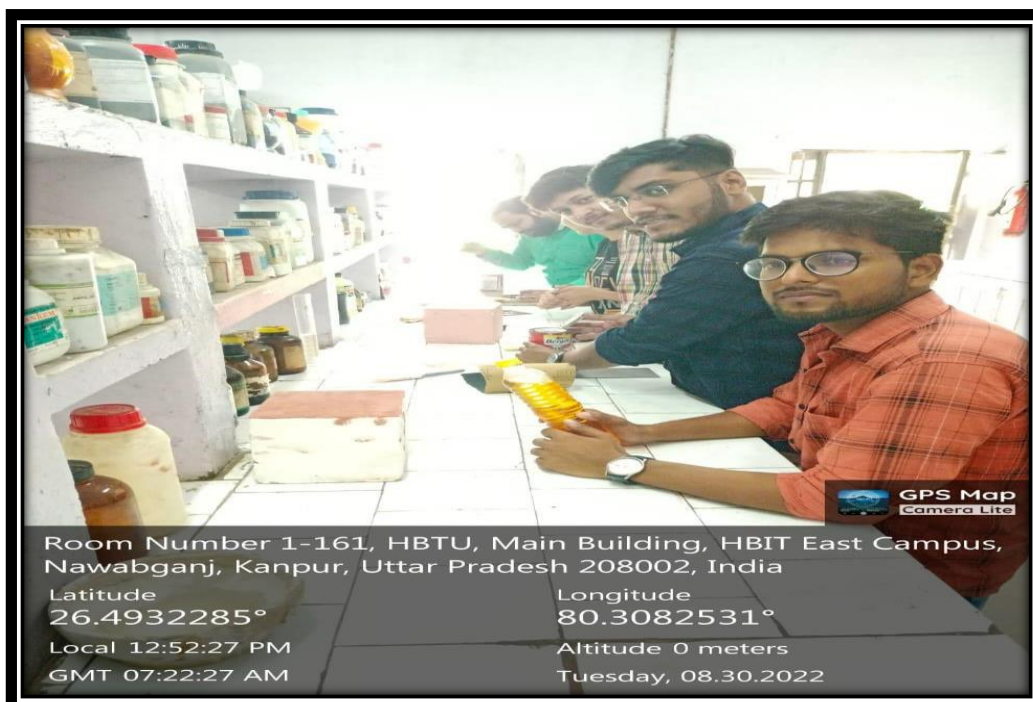
Tensile Tester, Water Proofness Tester, Flexing Machine, Abrasion Tester, Flexometer, Bursting Tester, Lastometer, Permeability Tester, Rub Proofness Tester, Sole Adhesion Tester, Heat Resistance Tester & Panetromter



Paint Technology Department

Lab-1: Testing & Evaluation Lab (UG – I)

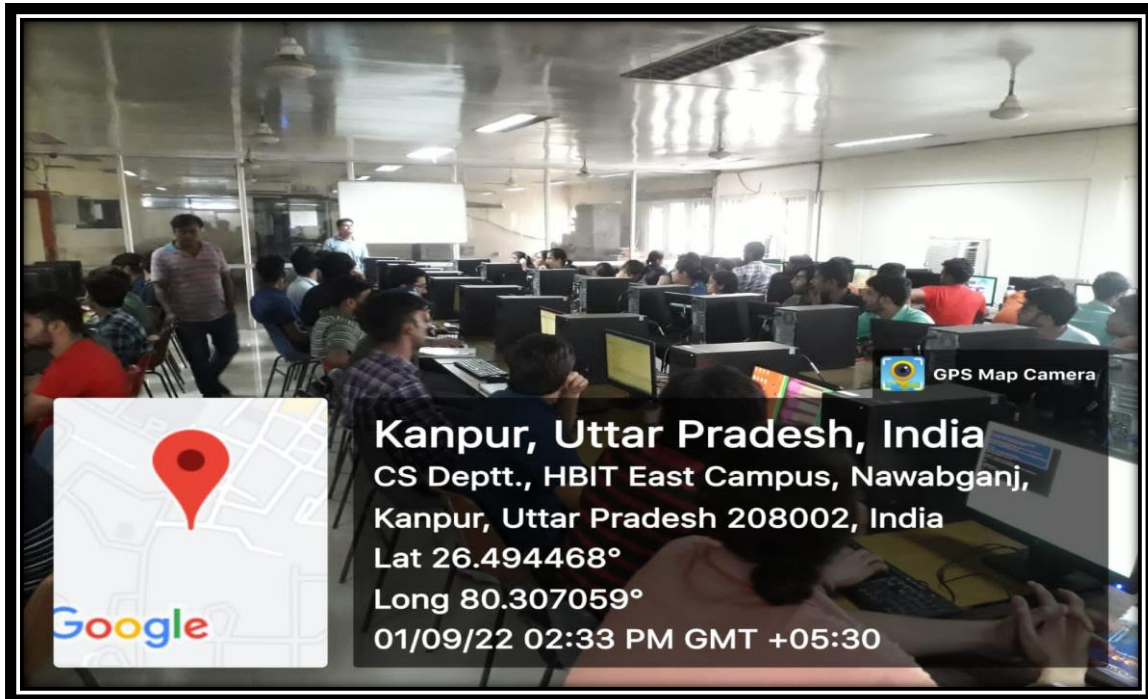
Practical Courses for B.Tech. students, based on Testing of Raw Materials like resins, pigments, oils etc., as well as Finished Products are conducted in UG Lab. Also students learn to prepare various kind of pigments, resins and paints in this lab. Lab is well-equipped with instruments used to carry out various tests on raw materials as well as paints.



Computer Science & Engineering Department

Lab-1 (DBMS Lab)

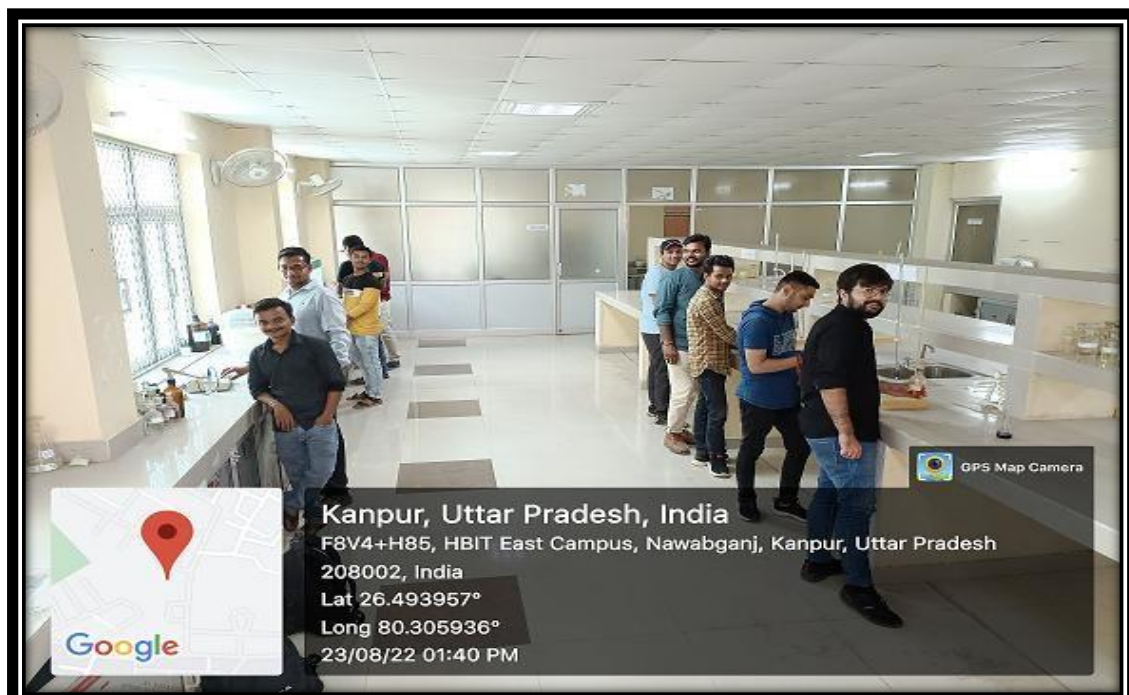
Desktop Systems (50): Desktop HP406G1, Intel (R) Core (TM) i7-4790, CPU 3.60 GHz, 4 GB DDR3 RAM, 500 GB HDD, 64-bit Operating System, X64 based processor, 18.5" LED Monitor, Window 8.1 Pro.



Civil Engineering Department

Environmental Engineering Lab

UV Double Beam Spectrophotometer, B.O.D Incubator, Air Sampler PM 2.5, Air Sampler PM 10, Air Sampler (Gaseous Pollutant), Jar Test Apparatus, Distillation Apparatus, DO Meter, Colony Counter



Mechanical Engineering Department

Manufacturing Science Laboratory



Electrical Engineering Department

Measurement Lab



Electronics Laboratory

This laboratory explores the design, construction, and debugging of analog electronic circuits, investigate the performance characteristics of semiconductor devices (diodes, BJTs and MOSFETs) and functional analog building blocks, including single stage amplifiers, op amps, small audio amplifier, filters. Lectures and laboratory projects of the course are devoted to the design, implementation of a project in an environment similar to that of engineering design in industry.



PCB Laboratory

This lab is fully equipped with hardware & software tools including transformer and coil winding machine. Single Sided PCB of Analog & Digital circuits can be designed in this Lab. In order to design Layout of complex circuits Express PCB software is available. A spin coater system is available to make a uniform & thin coating of chemicals on a glass epoxy sheet.

A dry film laminator facility is also available which is helpful in single sided PCB designing. Along with above facilities, all the basic facility for PCB designing is available in this Lab. The transformer winding facility is also available in this lab. This Lab is useful for faculty, staff and students for their research work / higher study & completion of project work.

