

CENTRAL INSTRUMENTATION FACILITY



About CIF

Babu Banarasi Das University (BBDU), Lucknow is one of the premier universities in the country which provides an appropriate environment for research in the various areas of science and technology. To strengthen the research activity among faculty/students/research scholars, the university has established a Central Instrumentation Facility (CIF) consisting of the latest and advanced analytical instruments. The state-of-the-art instrumentation facilities are regularly upgraded, and maintained by suitably trained and skilled technical staff. The analytical facilities of CIF are also extended to the students, researchers and faculty members of other Institutes and Organizations of the country. One of the primary objectives of this facility is to promote and strengthen collaborative R & D activities with other institutes and industries.

For any query, please send us an email at:
cif@bbdu.ac.in



Aggregate Impact Test Apparatus

Specification: Weight: 55 kg, Cylindrical Metal Measure: Dia. 75 mm,
Steel Tamping Rod: Dia. 10 mm, Length: 230 mm.

Application: To measure resistance of an aggregate to sudden shock or impact.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Kamal Nabh Tripathi

Email: kamalnt11@bbdu.ac.in

Mobile Number: 9696527150



Compression Testing Machine

Specification: 100 Ton capacity.

Application: For the determination of compressive strength of cubes, bricks, etc.

Location: LGF, Concrete Testing Lab, Civil Engineering.

Faculty Incharge: Kamal Nabh Tripathi

Email: kamalnt11@bbdu.ac.in

Mobile Number: 9696527150



Film Stripping Device

Specification: RPM: 100, Phase: 220 Volts, Frequency: 50 Hz.

Application: To determine adhesive capacity of bituminous material with aggregate particles.

Location: LGF, Transportation Engineering Lab, Civil Engineering

Faculty Incharge: Kamal Nabh Tripathi

Email: kamalnt11@bbdu.ac.in

Mobile Number: 9696527150



Electronic Weighing Machine

Specification: 0.001gram to 300 gram

Application: For weighing purpose

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Shailesh Vishwakarma

Email: hseliash@bbdu.ac.in

Mobile Number: 9559604636



Surface Roughness Tester

Specification: Resolution 0.01 micro meter to 0.04 micro meter.

Application: For roughness measurement.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Manoj Soni

Email: manojsoni0888@bbdu.ac.in

Mobile Number: 9044469298



Digital Storage Oscilloscope (RIGOL)

Specification: Bandwidth: DS1102E: 100 MHz, DS1052E: 50 MHz, DS1102D: 100 MHz, DS1052D: 50 MHz, Time delay between channel: 500 p second.

Application: Used to display the waveforms of signals, transducer test and measurement, electrical equipment design, medical equipment testing field, etc.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Amit Kumar Singh

Email: aksnsit06@bbdu.ac.in

Mobile Number: 7376250500

Function Generator 1MHz



Function Generator

Specification: Frequency Range: 0.1 Hz to 1 MHz in seven-decade steps variable control between steps.

Application: Provide different types of waveforms.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Ashawani Kumar

Email: ashwinikumar7@bbdu.ac.in

Mobile Number: 8543845587

Cathode Ray Oscilloscope 30MHz



Cathode Ray Oscilloscope

Specification: 30MHz (CRO Scientech-801), 140 mm rectangular tube with internal graticule. P31 Phosphor, Accelerating Potential: 2KV (approx.), Display: 8x10cm.

Application: Used in many fields such as signal, electrical, transducer test and measurement, electrical equipment design, medical equipment testing field.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Akhilesh Kumar Maurya

Email: pakhil.sam@bbdu.ac.in

Mobile Number: 8318727219



Transformer Oil Testing Set

Specification: Input Voltage:230V, 1-Phase A.C, Output 0-60 KV A.C.

Application: Calculation of breakdown voltage for transformer oil.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Shashikant

Email: shashikant52@bbdu.ac.in

Mobile Number: 9415713130



BOD Incubator

Specification: 6.5 cubic feet, double walled, inside, and outside made of stainless steel, work on 220/230 volts, temperature range 50C to 500C.

Application: BOD test in water and wastewater.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Dr. P.K. Singh

Email: pk.singh@bbdu.ac.in

Mobile Number: 9919193668



Digital Flame Photometer

Specification: Point calibration, direct readout in ppm & meq/l, auto filter selection, 5-digit LED display.

Application: For determination of Ca, Na and K.

Location: LGF, Central Instrumentation Facility.

Faculty Incharge: Dr. P.K. Singh

Email: pk.singh@bbdu.ac.in

Mobile Number: 9919193668



UV-Visible Spectrophotometer

Specification: UV-1700 Pharmaspec Shimadzu.

Application: Identification/determination of concentration of compounds.

Location: Instrument Lab- 512 4th Floor, School of Pharmacy,
H Block.

Faculty Incharge: Dr. Harinath Dwivedi

Email: harinathdwivedi@bbdu.ac.in

Mobile Number: 9453139707



HPLC (Shimadzu)

Specification: UV-1700 Pharmaspec Shimadzu.

Application: Identification/determination of concentration of compounds.

Location: Instrument Lab- 512 4th Floor, School of Pharmacy,
H Block.

Faculty Incharge: Dr. Harinath Dwivedi

Email: harinathdwivedi@bbdu.ac.in

Mobile Number: 9453139707



HPTLC (Camag)

Specification: TLC scanner-3

Application: Separation and determination of concentration of compounds.

Location: Instrument Lab- 512 4th Floor, School of Pharmacy, H Block.

Faculty Incharge: Dr. Harinath Dwivedi

Email: harinathdwivedi@bbdu.ac.in

Mobile Number: 9453139707



Digital Panoramic

**Specification: Make - Proline XC
Digital Model No. XC430638.**

**Application: Extra-oral Radiography
(Skull Projections).**

**Location: Dept. of Oral Medicine &
Radiology, Ground Floor BBDCODS.**

Faculty Incharge: Dr. Deepak U.

Email: d_bu@bbdu.ac.in

Mobile Number: 9956260297



Stereo Microscope

**Specification: Make - Droplet
Microscope Model No.- SF 40T**

**Application: For Magnification of gross
specimens and research purpose**

**Location: Dept. of Prosthodontics 1st Floor
BBDCODS**

Faculty Incharge: Prof. Swati Gupta

Email: drswatigupta30@bbdu.ac.in

Mobile Number: 9839025605



Pressure Molding Machine

Specification: Make - 3 A Medes

Application: For Fabrication of mouthguards, templates, occlusal splint etc.

Location: Dept. of Prosthodontics, 1st Floor, BBDCODS

Faculty Incharge: Prof. Swati Gupta

Email: drswatigupta30@bbdu.ac.in

Mobile Number: 9839025605



Sandblaster

Specification: Make- Confident

Model No.- SANTER Labo 16 by.

Application: For Increasing the surface area of metal and zirconia restorations etc.

Location: Dept. of Prosthodontics, 1st Floor, BBDCODS.

Faculty Incharge: Prof. Swati Gupta

Email: drswatigupta30@bbdu.ac.in

Mobile Number: 9839025605



Electro-Polisher

Specification: Make - Orthocare

Application: For Making the surface of Cast Partial Denture smooth.

Location: Dept. of Prosthodontics, 1st Floor, BBDCODS.

Faculty Incharge: Prof. Swati Gupta

Email: drswatigupta30@bbdu.ac.in

Mobile Number: 983902560



Penta Head Microscope

Specification: Make - Magnus MSZ- BI, Model No. 2010920.

Application: For Microscopic Slides with specialized techniques.

Location: Dept. of Oral & Maxillofacial Pathology & Oral Microbiology,
4th Floor, BBDCODS.

Faculty Incharge: Prof. Jiji George

Email: drjiji78@bbdu.ac.in

Mobile Number: 9936489595



Centrifuge

Specification: Make - Lobster/ Biolab

Application: Platelet Rich Plasma / Platelet Rich Fibrin Preparation.

Location: Dept. of Conservative Dentistry & Endodontics, 4th Floor, BBDCODS.

Faculty Incharge: Dr. Praveen Singh Samant

Email: drpraveensamant@bbdu.ac.in

Mobile Number: 9415011592



Stage Incubator

Specification: Make - Navyug

Application: Incubation of microbes etc. under controlled temperature and time.

Location: Dept. of Biochemistry, 5th Floor BBDCODS.

Faculty Incharge: Dr. Lakshmi Bala

Email: balalakshmi@bbdu.ac.in

Mobile Number: 9415011534



Electrophoretic Apparatus

Specification: Make - RSE

Application: Analysis & separation of DNA, RNA & Protein.

Location: Dept. of Biochemistry, 5th Floor, BBDCODS.

Faculty Incharge: Dr. Lakshmi Bala

Email: balalakshmi@bbdu.ac.in

Mobile Number: 9415011534



Colorimeter

Specification: Make - Labholic

Model No. LH-116

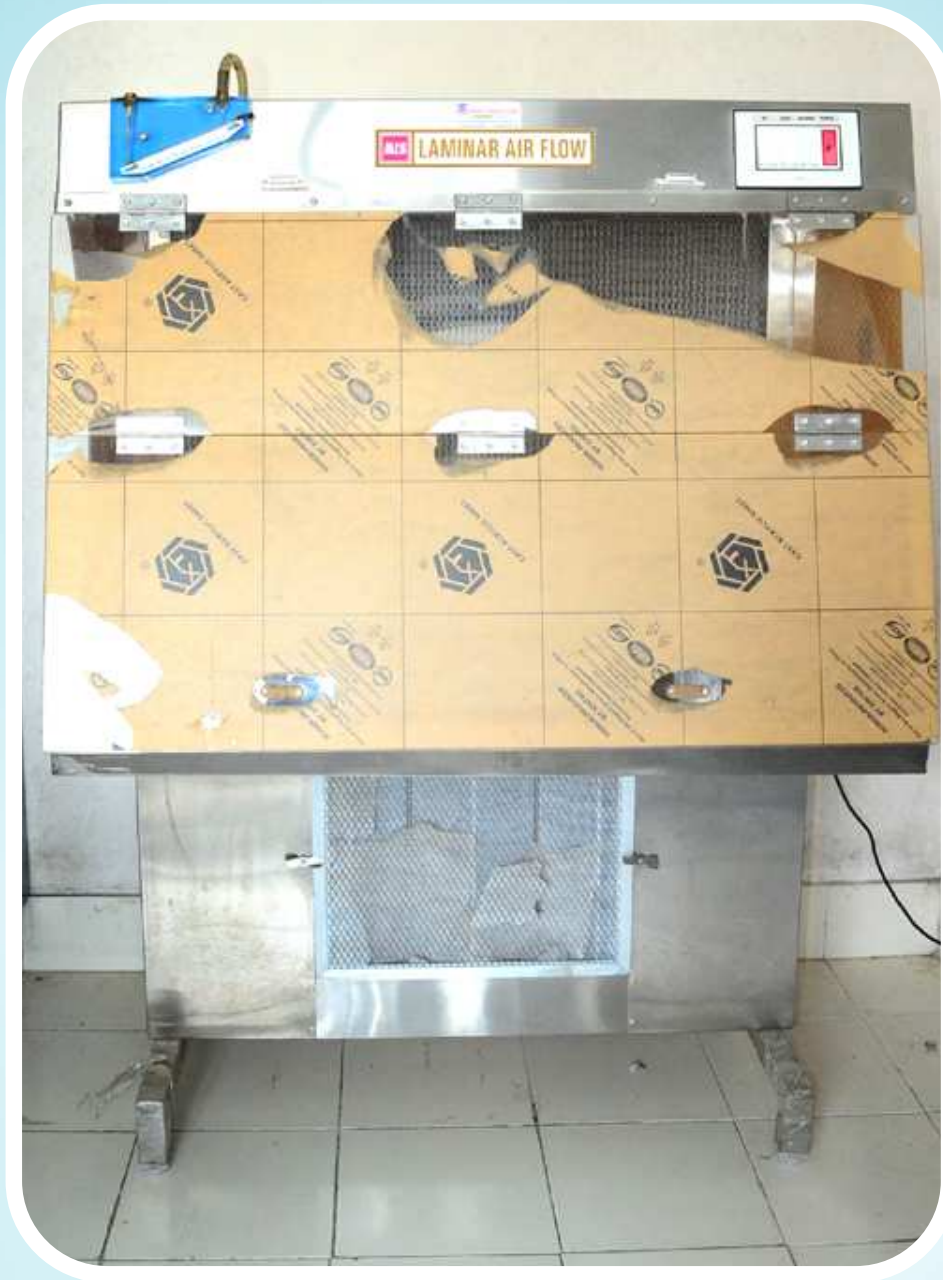
Application: Biochemical estimation of Plasma, Serum etc.

Location: Dept. of Biochemistry, 5th Floor, BBDCODS.

Faculty Incharge: Dr. Lakshmi Bala

Email: balalakshmi@bbdu.ac.in

Mobile Number: 9415011534



Bio Safety Cabinet

Specification: Make- MRS

Application: Culturing, Pouring, Plating, Inoculating and Aseptic Procedures.

Location: Dept. of Microbiology, 5th Floor, BBDCODS.

Faculty Incharge: Dr. Ishan Pandey

Email: ishan.pandey411@bbdu.ac.in

Mobile Number: 9198177801



BABU BANARASI DAS UNIVERSITY

 **Faizabad Road, Lucknow–226028 Uttar Pradesh, India**

 **Website: www.bbdu.ac.in**