



## **Bundelkhand University, Jhansi**

### **Innovation Centre**

## **The Skill Developing Research Training Programmes on Advance Scientific Equipments**

The Skill Developing Research Training on Advanced Scientific Equipment will be a two weeks long hands-on training course offered by the Innovation Centre, Bundelkhand University, Jhansi. The training would be given on various equipments listed below with the support of laboratories of different departments of the university. Such trainings will be conducted during the whole year (subjected to min. 3 candidates at a time). Interested candidates may apply during any time of the year for any one or combination of the training modules. The participants will gain training in a research friendly unique academic ambience for cutting-edge scientific research in their field of interest. The participants will be trained for operating the high end research equipments viz. X-Ray Diffractometer (X-RD), GC-MS, Real Time-PCR, Digital Imaging System, Lyophilizer etc. Along with application knowledge of the equipments the greater emphasis will be laid on the fundamental analytical & wet-lab tools and techniques relevant to Agricultural, Pharmaceutical, Biological, Physical, Chemical, Geological, Forensic and Biomedical Sciences. Module wise detail of the training programme is given below.

- **Course Content:** Basic & Advanced techniques pertaining to Agricultural, Pharmaceutical, Biological, Physical, Chemical, Geological, Forensic and Biomedical Sciences.
- **Training detail:**

No.	Training Module	Name of the practices/techniques/equipment(s)	*Training Fee
M-1	Herbal Research	Soxhlet extraction, Phytochemical Screening, Rotaevaporation, Lyophilization and Chromatography (TLC, GC-MS).	Rs. 6000/Candidate for 15 Days
M-2	Molecular Research	2D Gel Electrophoresis, Real Time PCR, Digital Imaging System, Spectrophotometry through Multimode Plate Reader, Micro Balancing, Ultra Centrifugation & Sonication.	Rs. 6000/Candidate for 15 Days
M-3	Cell Culture Research	Drosophila Culture, Laminar Flow, Fume Hood, Inverted Microscope.	Rs. 5000/Candidate for 15 Days
M-4	Physiology Research	ECG, EEG, EMG, EOG, Blood Pressure, Grip Force, Pulmonary Function Test through Biomedical Data Acquisition System,	Rs. 5000/Candidate for 15 Days

		Hemoglobin Estimation, Blood Grouping, RBCs Osmotic Fragility Testing, Cardiac Efficiency Testing, Blood Cells Counting through Heamocytometer.	
M-5	Geo-Physical Research	X-Ray Diffractometry through X-RD, Particles Quantity Measurement System (PQMS), Scanning Tunneling Microscopy	Rs. 5000/Candidate for 15 Days

*\*(To be submitted through DD in favour of Finance Officer, Bundelkhand University, Jhansi)*

- **Eligibility:** Graduation & above in science discipline.
- **Who can apply:** Any Science Graduate/PG Student, Research/Project Fellow, Faculty members and Scientists.
- **Application Procedure:** Interested candidates may send their application on the prescribed format (given below) to the Coordinator, Innovation Centre, Bundelkhand University, Kanpur Road, Jhansi-284128, UP, India along with the Demand Draft (in original) and other enclosures during any time of the year. An advance soft copy of the completed form, DD and educational certificates may be submitted at [innovationcentre@bujhansi.ac.in](mailto:innovationcentre@bujhansi.ac.in) before sending the application by post.
- **Fees:** The candidates will be required to pay module wise training fee (as mentioned in the table) of his/her interest through demand draft to the Finance Officer, Bundelkhand University payable at Jhansi.
  - The above mentioned fee shall be charged for providing hands on training on world class high end research equipments listed above.
  - Consumables (required if any) cost is not included in the fee.
  - In case of requirement of any special chemical/media/solvent (if not available in the lab) candidates may be asked to pay separately.
  - No lodging/boarding shall be provided in the above fee. The participants shall have to make their own arrangements for the same.
  - However, on the request of applicants university may arrange hostel/BUIC Guest House/annexe accommodation on first come first serve & payment basis.

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## Bundelkhand University, Jhansi Innovation Centre

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#### APPLICATION FORM

Training module (applying for)	Tentative Date of Joining	Draft no. & Date	Bank	Amount

1. Name (IN CAPITAL LETTERS): .....
2. Father's Name:.....
3. Current Position:.....Affiliation.....
4. Corresponding address including mobile no. & e-mail:

Paste your  
recent  
photograph  
here

5. Educational/Professional Qualifications (*pl. enclose the certificates*).

S. No.	Degree/Exam	Board/College/University	Subject	Yr.	% age
1.	B.Sc./B.Pharm/ B.Tech/MBBS				
2.	M.Sc./M.Pharm/ M.Tech/MS/MD etc.				
3.	Ph.D.				

6. Details of Training Taken, if any
7. Any other relevant information

I hereby declare that the information given above is true and correct to the best of my knowledge and belief.

Full Signature of Applicant

Signature of Forwarding Authority with seal  
(Applicable for students and in service candidates only)

Date & Place:.....

**Note:** Kindly mail the advance soft copy of completed form, DD and educational certificates at [innovationcentre@bujhansi.ac.in](mailto:innovationcentre@bujhansi.ac.in) before sending the hard copy by post. The application may be submitted during any time of the year.

**The hard copy of application form along with Demand Draft in original is required to reach at following address for consideration:**

**The Coordinator  
Innovation Centre**

Bundelkhand University, Kanpur Road, Jhansi-284128

Ph. 9415030714, 9839462439; 9452888176

E-mail: [innovationcentre@bujhansi.ac.in](mailto:innovationcentre@bujhansi.ac.in); Web- [www.bujhansi.ac.in](http://www.bujhansi.ac.in)