

Innovation Centre, Bundelkhand University, Jhansi

Winter Training Program on Advanced Agro-Pharma- Bio-Technology Research Equipments

26 December 2019-04 January 2020

Innovation Centre, Bundelkhand University, Jhansi is a Central Instrumentation Facility, incepted in 2014 for providing the analytical facilities in the area of Biological, Physical, Chemicals, Agricultural, Pharmaceutical, Geological, and Forensic Sciences. The Centre is established on University campus with the objectives of human resource training for the promotion of Research & Development (R&D) in the University campus and its affiliated colleges. Moreover, Centre with the advance research equipment like X-Ray Diffractometer, Gas Chromatography-Mass Spectrometer, Ultra Centrifuge, Digital Imaging System, Multi-Mode Microplate Reader, Real Time-PCR, PQMS, Two Dimensional Gel Electrophoresis, etc. is open for providing the analytical facilities to the researchers and industries throughout India.

The Winter Training Programme on Advanced Agro-Pharma-Bio-Technology Research Equipments for the Interdisciplinary Research is 10 days long training program offered by the Innovation Centre, Bundelkhand University, Jhansi. The Graduate and/or Undergraduate students of a scientific discipline including B. Sc., B. Tech, MBBS, BAMS, etc. may apply for this program. The participants of this program will gain training in a research-friendly unique academic ambiance for innovative scientific research in Biotechnology, Biomedical, Agricultural, Pharmacological, Physical, Chemical, Geological, and Forensic Sciences. It will train the participants for operating the high-end research equipment viz. X-Ray Diffractometer (X-RD), Gas Chromatography-Mass Spectrophotometer (GC-MS), Real Time-PCR, 2D Gel Electrophoresis, Ultrasonicator, PQMS, STM, etc. Along with application knowledge of the machine, it will lay a greater emphasis on the fundamental analytical & wet-lab tools and techniques relevant to Basic and Applied Sciences.

Course Content: Training on Basic & Advanced research techniques pertaining to Biotechnology, Biomedical, Microbiological, Physical, Chemical, Pharmaceutical, Agricultural, Geological and Forensic Sciences.

• Training Schedule:

(Everyday training will start with a powerpoint based lecture on Principle, Mechanism of Action and Application of the equipment (s) by the Application Specialist (s) followed by training on that equipment).

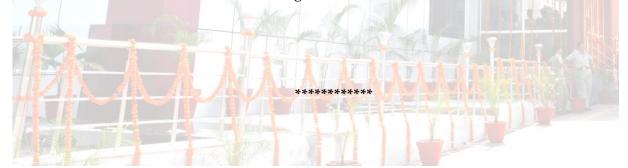
S.	Date & Day	Training on	Application Area
No			
1.	26th Dec 2019;	• Inauguration	
	Thursday	• Invited Lecture by the Eminent	Basic & Applied Sciences
		Scientist	

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		• Introduction of the Innovation	
		Centre facility.	
		Laboratory visit	
		Demonstration of the Basic Facility of	
		the Centre viz. Ice Flakes Machines,	
		Milli Q Water System, Micro	
		Balancing, BOD Incubator, Deep Freezer, Fume Hood, etc.	
2.	27th Dec 2019;		Biomedical Sciences
	Friday	(BDAS) for ECG, EEG, EMG, BP,	Biomedical Engineering
		Pulse Pressure, Pulmonary Capacities,	Medical Sciences
		Grip Force, etc.	Paramedical Sciences
		16. 18	Human Physiology
			Physiotherapy
			Pharmacological
3.	28th Dec 2019;	Pulmonary Function Tests	Pharmaceutical Sciences
	Saturday	Cardiac Efficiency Test	Biomedical Sciences
		Estimation of Hemoglobin	Life Sciences
		Multimode Plate Reader	Forensic Sciences
		Ultra-centrifuge.	Biotech Engineering
			Agricultural Sciences
4.	29th Dec 2019;	Soxhlet extraction	Pharmaceutical Sciences
	Sunday	Phytochemical Screening Tests	Biomedical Sciences
		Vacuum Rotaevaporation	Life Sciences
			Agricultural Sciences
5.	30th Dec 2019	Drosophila Culture	Cytogenetics
	Monday	Culture Facility including	Drosophila Biology
		operational training on Inverted	Cell Culture Research
		Microscope	1,61
6.	31st Dec 2019	X-Ray Diffractometer	Physical Sciences
	Tuesday		Geological Sciences
			Biological Sciences
7.	1st Jan 2020	Lyophilizer	Molecular Biology & Biotechnology
	Wednesday	Ultrasonicator	Biotech Engineering
	ul Mitte		Life Sciences
8.	2 nd Jan 2020	Gas Chromatography-Mass	Pharmaceutical Sciences
	Thursday	Spectrometer (GC-MS).	Biomedical Sciences
			• Life Sciences
			Forensic Sciences
			Biotech Engineering
			Agricultural Sciences
9.	3rd Jan 2020	Real Time-PCR	Molecular Research
	Friday	• Gel Electrophoresis & Digital	Biotech Engineering
		Imaging System	Pharmaceutical Sciences
			Biomedical Sciences
	l	1	

		Life SciencesForensic SciencesAgricultural Sciences	
10.	4th Jan 2020	Physical Quantity Measurement Physical Sciences	
	Saturday	System (PQMS) & Scanning • Geological Sciences	
		Tunneling Microscope (STM)	
		• Invited Lecture by the Eminent	
		Scientist/Academician	
		Valedictory & Certificate Distribution in post Lunch session.	

Note- University reserves the right of increasing or decreasing the number of seats and rearranging the order of equipment for training.

- Eligibility: Graduation/Under Graduation with min. 50% marks in the previous examination.
- Who can Apply? The B. Sc., B. Tech, MBBS, BAMS, B. Pharma students who have been completed or pursuing their Graduation in Basic Sciences/Applied Sciences (Biomedical, Biotechnology, Microbiology, Biochemistry, Life Sciences)/Pharmaceutical Sciences/Agricultural Sciences/Forensic Sciences/Geo Sciences/Medical Sciences/Paramedical Sciences and Engineering (Biotech, Biomedical, Food Tech) may apply for this training program.
- **Intake:** Thirty. However, the University reserves the right of increasing/decreasing the number of seats subjected to the conditions of requiring so.
- **Application Procedure:** Interested candidates may apply on the prescribed format (given below, also available on the University website www.bujhansi.ac.in) through e-mail at innovationcentre@bujhansi.ac.in by 20th December 2019.
- Selection: It will be based on the academic credentials of the applicants. The selected candidates will be informed through e-mail by 21st December 2019 for the payment of the Registration Fee (latest by 25th December 2019).
- Fees: The Non-Refundable Registration fee for the course is Rs. 2500/= (Rs. Two Thousand Five Hundred Only) payable to the Finance Officer, Bundelkhand University, Jhansi through Bankers' Cheque/Demand Draft/Direct Deposit on University Cash Counter. For accommodation, if required the candidates shall have to make their arrangements.





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APPLICATION FORM

	Name (Write in Capital Letters):	Paste your
2.	Father's Name:	,
3.	Date of Birth (DD/MM/YYYY:	recent
4.	Corresponding Address including Mobile no. & E-mail:	photograph here
		nere

5. Educational/Professional Qualifications (pl. enclose scanned copy of mark sheet & Degree certificate).

S.	Degree/Exam.	Board/College/	Year	Divi	% age
No.		University		sion	
1.	HSC (Xth)				
2.	HSSC (10+2)				2500
3.	B.Sc/B.Pharma/				
	B.Tech/MBBS/Other				

- **6.** Details of Training taken, if any:
- 7. Any other relevant information:

I declare that the information given above is true and correct to the best of my knowledge and belief. The decision of organizers about the selection of my candidature for training shall be acceptable to me in every case.

Place:	Full Signature of Applicant
Date	AT THE PARTY OF TH

Note: Kindly mail the completed form enclosed with a bonafide certificate at innovationcentre@bujhansi.ac.in latest by 20th December 2019.

Further information/enquiries, please contact:

Innovation Centre

Bundelkhand University, Jhansi-284128 Ph. 9452888176; 9839462439; 9415030714 E-mail: innovationcentre@bujhansi.ac.in Web- www.bujhansi.ac.in