



Convocation-2023

The Grand 27th Convocation have been organized on 07.02.2022 in the divine presence of Hon'ble Governor Uttar Pradesh and Chancellor Bundelkhand University, Jhansi, Her Excellency Smt. Anandiben Patel.





RECENT REMARKABLE ACHIEVEMENTS

1. Bundelkhand University got the prestigious **Technology Enabling Centre (TEC)**, Total grant of **Rs. 5 Cr.** from Department of Science & Technology (DST), GoI, New Delhi.
2. Bundelkhand University got the prestigious “**Incubation Centre**”, total grant of **Rs. 1.5 Cr.** from UP Govt.
3. Bundelkhand University received a sanction of E&SDP / EAP “**Skill Development Project**” from MSME Department, GoI, for all 07 districts of Bundelkhand region.
4. Bundelkhand University received approx. **Rs 17 Lacs** to organize two FDPs from **DST’s STUTI Scheme**.
5. Infrastructure development of Pharmacy department grant of **Rs. 3.80 Cr.** sanctioned from Govt. of UP.
6. Successful Conduction of first ever **TEDx Talk** with 03 Youth **ICONS Graduate Chaiwali, Physics Wallah (India’s 101st UNICORN) and Sanjay Goyal (IAS)**.
7. Regional Nodal Centre of IIT Kanpur Virtual Labs, Lab have been set up on 27.05.2023.
8. Academic tour of faculty and students visited to UTHM University Malaysia for Global Exposure.
9. Vice Chancellor, BU, granted the Rank of **Honorary Colonel Commandant** in National Cadet Corps by Ministry of defence, Govt. of India.



MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY





RECENT REMARKABLE ACHIEVEMENTS

1. International Conference on 27-28 Feb 2023 have been organised on “**New Paradigm in Pharmaceutical Research and Development**”, by deptt. Of Pharmacy.
2. International Conference on 15-16 April have been organised on “**Recent Advances in Sustainable Advances**” by department of Computer Application and Mathematical Sciences.
3. Lekhak Sammelan in collaboration with **Sahitya Academy**, New Delhi have been organised by Hindi Vibhag on 25-26.05.2023.
4. 06 days Grand Book Fair have been organised in university premises, 50 Publishers were participated and more than 50,000 footfalls have been noticed.
5. Many Expert/Motivational/Special talks were organized by the Institutions Innovation Council in which **Mr. Devesh Nigam from USA, Mr. Sushil Reddy from IIT Mumbai and people like Ms. Surabhi Mishra** (Coach Girls Junior Squash Team) visited.
6. One week “**Capacity Building Program of National Mission of Library Personnel**” have been organized by Dr. S.R. Rangnathan department of Library Science from 24.04.2023 to 28.04.2023.
7. To break the gap between students and the Vice Chancellor “**Chai Par Charcha**” is a new initiative taken up by the university in which after every 15 days students takes a cup of tea with Vice Chancellor and provides their actual feedback to the highest authority.
8. Sodash Sanskar/ Garbhadhan Sanskar Workshop have been organized.
9. NCC Girls Wing Celebrated a program on G-20 presidency.
10. Distribution of “Poshan Kit” to TB patients in Data Nagar Parvai under Unnat Bharat Mission.



Spreading Wings of Bundelkhand University at Global Level

1. Veni Creator Christian University, Florida-USA.
2. University of Sains, Malaysia.
3. Muhammadiyah University of Palembang, South Sumatera, Indonesia.
4. The Crown University International Chartered Inc, Argentina.
5. Chartered International Da Vinci University Inc, Delaware, USA.
6. West Coast International University of Sciences, Technology, Management and Arts, Delaware, USA.
7. Division de Geociencias Aplicadas, Instituto Potosino de investigation Scientifica Tecnologica, San Luis Potosi Mexico.
8. Karelian Research Centre, Russian Academy of Sciences, Petrozavodsk, Russia.
9. St. Petersburg Association for International Cooperation, Russia
10. MIT Square Group of Companies, London.
11. Universiti Tun Hussein onn, Malaysia
12. Universitas Riau, Indonesia
13. ENEA Research Institute, Italy





RECENT INITIATIVES TAKEN

- **Incubation Centre** registered under section (8) and received financial assistance from DoTE, Govt. of UP.
- **Alumni Cell (BUCAA)** has been registered and now fully functional and various Alumni Meets & **Alumni Talk And Lecture (ATAL)** series were organized (Sep'22 - 40+ Talks). Alumni fund more than 1.0 Carore have been contributed.
- Grand offline campus students **Alumni Meet** is scheduled in month of August 2023.
- Under CSR initiatives a corporate grant of **Rs. 5.50 lacs** received from the **Baidhynath Ltd.**, To promote the research work in the field of Ayurveda fellowship to PG and Ph.D. research scholars.
- To enhance the research ecosystem a provision of **seed money Rs. 50 lacs** p.a. from the current academic year. Initially **19 projects** have been funded in different streams .
- The University entered into **107 + MOUs** with various institutions/industries of national and international repute.
- Provision of stipend of **Rs.15,000/-** to the topper Ph.D. scholar in entrance examination in each subject.
- IIC of BU scored 4 out of 4 in initial two quarters of year 2022 (**IIC 4.0 Phase**) so far.
- International Education Award 2022 at Oxford University, UK, Awarded One Patent, Member UPHEC. Honorary D.Litt by Hindusthan Art & Music Society, Kolkata (WB), India



RECENT INITIATIVES TAKEN

- Provision of an award of **Rs. 10,000/- to best project dissertation** in each subject at PG level.
- Provision of award of **Rs.15,000/- to the topper male and female student** each, selected through Entrance Test at PG level
- Special Scholarships for **DIVYANG students, Meritorious students**
- UP Govt. sanctioned the grant of **Rs. 14 Lacs to establish Centre of Excellences (CoEs)** in ITHM, Economics and Math. Deptt. , also R&D grant of Rs. 7.35 Lacs in deptt. of Math & Comp. Application.
- A fully transparent conduction of Ph.D. entrance exam followed by orientation and with a new initiative of “**Earn While You Learn**” have been launched.
- During past five years **753 Ph.D. scholars** were enrolled, Out of these **605 candidates** are **NET qualified** which includes **207 JRF**, all the thesis (**2054**) have been uploaded on **Sodhganga**. **Degrees (27,357+ 3,86,282) 2015-2021 uploaded on Digilocker** and **13,66,274 Mark sheets** uploaded. (**Ph.D. awarded to 282 in which 233 JRF/SRF Scholars, last 5 yrs.)**
- Curriculums and ordinances are modified in compliance with the NEP-2020 guidelines. The number of courses having focus on **employability/ entrepreneurship/ skill development** have increased
- **Start Up, Incubation & IPR policy** framed and implemented.
- **Ph.D. ordinance(inclusion of foreign supervisors) and D. Lit. Ordinance** modified and approved.
- **Professor of Practice** Scheme approved.
- No. of placement 2300+ (Last 5 yrs.) New mile stone in placement achieved with a package of **21 Lacs** in **Samsung R&D centre**, More than **300** students placed in last 03 months in various. More than **30** Students cracked **GATE** examination in **2022** itself.



RECENT INITIATIVES TAKEN

Under Ek Bharat Shrestha Bharat scheme of MoE, 25 students of ITHM selected for **student exchange program** to visit Arunanchal Pradesh also NSS students of BU participated in National Integration Camp in **Karnatka University, Dharwad** and Pt. Ravi Shankar Shukla University Raipur.

- Provision of **Sports Scholarships of Rs. 51000/-, 41000/- and 31000/-** have been made to promote sports among the students.
- In Khelo India 2022 organized in Bangalore One student won individual **Gold Medal in Mallakhamb**. Team BU won **Bronze Medal** in Mallakhamb and in boxing one girl won **Silver Medal** in individual.
- Two teams of BU won the final round of **HACKATHONE 2022** in Mumbai and Indore, received Rs. One Lac each.
- **Soil Testing Lab** is in final establishment phase . Preparation of Wall of Alumni Fame, Wall of Distinguish Guests, Wall of Star Performers and Wall of EC Members are under process.
- **Solar Power rooftop** plant and **Solar Street Lights** , **Sensor based lights** have been installed (ensuring reduced contribution to carbon emissions). University is committed for performing better to make it a sustainable green campus)
- **Geo-tagging and Geo-fencing** have been introduced, establishment of **STP** and **SWTP** .
- Energy Audit, Environment Audit, Academic and Administrative Audits have been completed.
- State of the art, high tech **Media Lab cum Broadcasting Studio** for developing high quality e-content to ensure equity access and excellence for students of campus and affiliated colleges. More than **2600+ E-contents** have been developed.



RECENT INITIATIVES TAKEN

- **Fresh recruitments and promotion** of faculty members under **CAS** executed for eligible and deserving candidates.
- **Ph.D. increments** given to eligible faculty members.
- **Promotion** of non teaching staff has been completed.
- **Adoption of five villages** under Unnat Bharat Abhiyan Mission, various awareness training and educational programs organized for villagers and farmers on latest trends and technologies and Govt. schemes.
- Education spreading, conduction of awareness programs on Govt. schemes, cleaning of slums, Blood donation camps, Plantation drives executed under NSS & NCC.
- **Manikarnika club** is specifically framed for Women health and hygiene, activities like women empowerment programs, health check-up camps. (Periodically check on Hemoglobin, Platelets counts),
- Open Air Theater, Indoor sports, Recreation Club and Wi-Fi facility started in Girls Hostels, effective feedback system implemented in hostels.
- **Adoption of 100 TB patient** for health awareness under TB Free India Campaign.
- Distribution of **Facility Kits** to Aanganwadi workers for their welfare.
- **Water Testing facility** opened to local community and farmers with effective guidance.
- Under CSR - **Rainwater Recharging Units** of 10 no. installed by ICICI Bank and **03 Commercial ROs** installed by SBI.
- Socially useful projects going on: Extraction of oil from lemon grass : training program organized for the local villagers, Cultivation of turmeric, ginger, mushrooms, strawberry and organic farming.



RECENT INITIATIVES TAKEN/ACHIEVEMENTS

- Yoga classes are conducted and also **Yoga Centre** is being constructed with the support of Smart City Corporation.
- **Coffee Table Book** published on 75 tasty and healthy “**Bundeli Vyanjans**”
- “**Bundeli Heritage Gallery**” is being established which will comprise and showcase the art, tradition, culture, literature and rituals of typical **Bundelkhand region**.
- Grand **World Tourism Week** celebrated (21-27 Sep 22), Austrian Deputy Counselor Mr. Anderson visited campus and interacted with various streams students about European education culture and compared it with NEP. Revival of forts & palaces, promotion of Eco-Tourism and Water Sports were the main points of discussion.
- **ITEP (B.Sc.-B.Ed. & BA-B.Ed. – 50 each)** approved by NCTE & **New B.Sc. MLT (Intake-40)** Program introduced from current academic year. Increase in intake of B.A. (Hons.) Hindi from 120 to 180 and in English from 60 to 120, some other courses also from 60 to 80.
- **04 Certificate courses** with 30 intake introduced by Forensic Deptt. and also online 03 months certification program by Mass Communication & Journalism Deptt.
- On the occasion of birth anniversary of Rastra Kavi Miathli Saran Gupt , former education minister **Dr. Ramesh Pokhariyal ‘Nishak’ ji** have been awarded by **Rastra Kavi Miathli Saran Gupt Samman**.
- Honor of Prof Radhacharan Gupta (The Great Indian Mathematics Historian) in **Pearls of Bundelkhand**
- The name of Bundelkhand University scrutinized by Govt of UP, out of all universities of UP and forwarded to Ministry of youth affairs, GoI, for National NSS Award .
- BU has initiated and constituted **20 + various Students Activity Clubs** also Ministry of Tourism , GoI, has established **Youth Tourism Club**



RECENT INITIATIVES TAKEN/ACHIEVEMENTS

- In last few months more than 200 students trained for research capacity building and skill development in Trans disciplinary research areas for enhancing the employment and entrepreneurship through **UGC-STRIDE project**.
- One Month Long **Vigyan Mahotsava** organized by department of Physics in Feb. 2022 on the occasion of National Science Day.
- Visit of Padam Bhoosan **Dr. V. K. Saraswat**, Padam Shri **Prof H. C. Verma**, Former Education Minister **Ramesh Pokhariyal 'Nishank'**, State higher education minister **Shri Yogendra Upadhyay** visited campus and provided their valuable inputs.
- Low cost **GNSS satellite data station** established under the MoU with IIT Kanpur.
- Under the aegis of MoU with Central Agricultural University organized program on **PANCHMAHABHOOT**.
- University recognized as **Nodal Centre** of National Programme on Technology Enhanced Learning (NPTEL) for UP under National Mission on Education through Information and Communication Technology (NMEICT) project of MoE, Govt. of India.



RECENT INITIATIVES TAKEN/ACHIEVEMENTS

- University has started releasing its Monthly Magazine “**SANCHARIKA**”.
- Identification and recognition of Talent through “**HUNARBAAZ**” event.
- **Modi@20** Program has been organized in Grand Way in the presence of M.P. (Jhansi-Lalitpur), Shri Anurag Sharma.
- Career Counseling sessions are being organized on regular basis inviting experts from IITs, IIMs, professional from Industries and senior Administrative officers (IAS/IPS).
- Most of the university areas are Wi-Fi enabled.
- State of the art Central Instrumentation Facility – “**Innovation Centre**” to facilitate Interdisciplinary and collaborative research and consultancy projects.
- State of the Art Animal Research Facility, Innovative Ecosystem is ensured with well equipped labs of Pharmacy, Food Technology, Biomedical Science and other Basic and Applied Sciences.
- **Shortlisted for QS World Ranking** preparations by Hon’ble Governor Madam in Manthan/ National educators Summit Varanasi.
- **International Conference** on Recent advances in material & Chemical Sciences (03 Nov- 06 Nov. 2022), **Speakers were from South Africa, Malaysia, Dubai, Indonesia and Canada.**
- **1ST International Conference** on Role of Applied Science and Engineering In the Development and Adoption of Green Technologies in the Energy Transition and Sustainable Development, **Speakers are from Italy and Malaysia.**



Key Academic & Research Strengths Towards NAAC

- **Total Faculties : 09, Total Deptt. : 38, Total Programme : 99, Certificate/Awareness : 09, Diplopa D. Pharmacy : 01, No. of courses : 2730+**
- **Student Strength of 2021-22 in campus : 9126 , Intake Capacity : 5354 Admissions : 3468, Pass Percentage of academic session 2021-2022 : 93.20%**
- **New Programme introduced : 10 (Last Five Years)**
- **Number of value-added courses for imparting transferable and life Skills 230+**
- **Visibility of the university in NIRF Ranking**
- **Highly qualified and experienced faculty with research programs at individual, departmental and institutional levels**
- **Total no. of faculties : 352 (238 Regular + 114 Contract), Ph.D. Qualified: 204 , Approved Supervisors for Ph.D. : 126**
- **Avg. teaching experience of faculty : 10.2 yrs Faculty Student Ratio : 1:26 , Mentor mentee ratio :1:26**
- **Good number of research publications by the faculty members Research paper Published : 1941 (06 Per faculty), h-Index: 26 (Web of Sc.), 57 (Scopus), Bibliometric H-Index : 41.5, Citation Index 4216 (Scopus), 3116 (Web of Sc.)
Bibliometric citation per paper : 12.47,**
- **Book Chapters/Books : 405**
- **Patents : 21**
- **Ph.D. awarded : 282 (233 JRF/SRF), (Last Five Years)**
- **Grievance received : 56 out of 9126 students (0.006%)) (Last Five Years)**