

# **Annual Report 2020-2021**

**IC 202115905**



**Institution's Innovation Council**

**Bundelkhand University, Jhansi**



**Annual Report – 2021**  
**IC 202115905**  
**Institution’s Innovation Council, Bundelkhand University, Jhansi**

**About IIC Institute :** The University was founded on August 26, 1975 under Uttar Pradesh University Act no.10 – 1986 section 4, sub-section 1-A vide notification no.10/15-60-33/74. It is the only premier institute of higher learning and research catering to the academic needs of 7 districts of Bundelkhand region, most of which are underdeveloped and backward. Despite trifling or almost no financial support from the state government, the University has set standards at par with those of various other private and international education centers in the country.

Bundelkhand University is the Number One University of Uttar Pradesh and has been accredited twice by the NAAC. It has more than hundred courses at UG, PG and Doctorate Level encompassing all the major fields of studies e.g. Basic and Life Sciences, Engineering and Technology, Pharmacy, Physiotherapy, Agriculture, Management, Food Science & Technology, Tourism and Hotel Management, Earth Sciences, Library & Information Science, Law, Computer Applications, Education, Arts and Fine Art, Environmental Studies, Forensic Science and Criminology, Languages and other Social Studies. All the courses are approved by the relevant governing bodies.

**Mission**

To impart quality vocational and scientific education through basic and applied research, to improve the quality and value of humans irrespective of gender, caste, nationality and religion

**Objectives**

- To provide solid foundation of academic principles, skills and practical training
- To inculcate strong understanding of the complex interdisciplinary subjects
- To infuse extensive development of written and communicative skills
- To work extensively for the creation of new knowledge
- To develop teaching, administrative and research skills
- To have greater appreciation for professionalism, values and integrity

**About IIC**

The Institution’s Council (IIC) aims to inculcate a spirit of innovation and foster a culture of excellence and perfection among all the stakeholders at Bundelkhand University, Jhansi. The IIC shall function as a nodal agency, to promote ideation and innovation among the students and faculty. It will be an integral a part of the Innovation, Incubation and Entrepreneurship.

**Major Focus of IIC**

- To create a vibrant local innovation ecosystem
- Start-up/ entrepreneurship supporting Mechanism in HEIs
- Establish Functional Ecosystem for Scouting Ideas and Pre-incubation of Ideas
- Develop better Cognitive Ability amongst Technology Students

### Functions of IIC

- Promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campus
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc., with the involvement of industries.

### Vision

- To encourage, inspire and nurture young students, to develop and entrepreneurship ecosystem in the University amongst Students and Faculties alike, providing support to work with new ideas and transform them into prototypes

### Mission/Focus

- To create a conducive entrepreneurship culture and encourage innovation by providing mentoring support.

### Journey of IIC established at the Institute

- Bundelkhand University, Jhansi established its IIC on 19th August 2021 to promote innovation among its students by encouraging, inspiring, and nurturing them through periodic activities. (IIC ID: IC 20215905)

### Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

Faculty Representation				
S.No.	Type	Position	Name	Department
1	Vice Chancellor	President	Dr.J.V.Vaisahpayen	Vice Chancellor
2	Faculty Member	Convener	Dr. Aparna Raj	Institute of Tourism & Hotel Management
3	Faculty Member	Innovation Activity Coordinator	Dr. Saurabh Shrivastava	Institute of Mathematical Sciences and Computer Applications
4	Faculty Member	Start-up Activity Coordinator	Er Awadhesh Gaur	Department of Mechanical Engineering
5	Faculty Member	Internship Coordinator	Dr.Mahendra Singh	Institute of Tourism &

				Hotel management
6	Faculty Member	IPR Activity Coordinator	Dr.Ritu Singh	Institute of Library and Information Sciences
7	Faculty Member	Social Media Coordinator	Dr.Era Tiwari	Institute of Banking Economics & Finance
8	Faculty Member	ARIIA Coordinator	Dr. Sandeep Agarwal	Institute of Banking Economics &
9	Faculty Member	NIRF Coordinator	Dr. Yashodhara Sharma	Institute of Banking Economics & Finance
10	Faculty Member	Member	Dr.D.K.Bhatt	Institute of Food technology
11	Faculty Member	Member	Dr. Munna Tiwari	Department of Hindi
12	Faculty Member	Member	Mr. Pranav Bhargava	Institute of Tourism & Hotel management
13	Faculty Member	Member	Ms. Anjali Jha	UGC STRIDE
14	Faculty Member	Member	Er. Rahul Shukla	Institute of Engineering
15	Faculty Member	Member	Er. Anurag Kumar	Institute of Engineering
16	Faculty Member	Member	Dr. Shilpa Mishra	Institute of Banking Economics & Finance
17	Faculty Member	Member	Dr.Vinit Dhaka	Institute of Environmental Sciences
18	Faculty Member	Member	Mr. Harpal Singh	Institute of Horticulture
19	Faculty Member	Member	Er. Priyanka Pandey	Institute of Engineering
20	Faculty Member	Member	Dr. Neha Mishra	Institute of Social Work
	<b>Expert Representation</b>			
22	Vice President	Expert from Nearby Industry/Industry Association/Ecosystem Enablers	Mr. Dheeraj Khullar	Industry Expert
23	Expert	FI/Bank/Investor/Angel Investor/Venture	Mr. Tejinder Singh	Finance Expert

		Capitalist		
24	Expert	Incubation Centre	Priyanka Gupta	Incubator Expert
	<b>Student Representation</b>			
25	Student	Innovation Coordinator	Hritik Patel	Institute of Banking Economics & Finance
26	Student	Innovation Coordinator	Tasha Rehman	Institute of Tourism & Hotel management
27	Student	Innovation Coordinator	Rishabh Parashar	Institute of Tourism & Hotel management
28	Student	Innovation Coordinator	Tanisha Singh	Institute of Engineering
29	Student	Innovation Coordinator	Habibul Bashar	Institute of Engineering
30	Student	IPR Coordinator	Rashmi Devi	Institute of Tourism & Hotel management
<b>31</b>	Student	IPR Coordinator	Harsh Singh	Institute of Engineering
32	Student	Start-up Coordinator	Aniket Singh	Institute of Tourism & Hotel management
33	Student	Start up Coordinator	Shraddha Pandey	Institute of Engineering
34	Student	Social Media Coordinator	Ayushi Gupta	Institute of Banking Economics & Finance
35	Student	Member	Ritik Khare	Institute of Mathematical Sciences and Computer Applications
36	Student	Member	Anurag Agarwal	Institute of Mathematical Sciences and Computer Applications
37	Student	Member	Vyom Dubey	Institute of Mathematical Sciences and Computer Applications

38	Student	Member	Muskan Agarwal	Institute of Mathematical Sciences and Computer Applications
39	Student	Member	Vaishnavi Gupta	Institute of Mathematical Sciences and Computer Applications
40	Student	Member	Vikram Singh Dangi	Institute of Food technology
41	Student	Member	Arushi Khantal	Institute of Food technology
42	Student	Member	Asif Ansari	Institute of Food technology
43	Student	Member	Avnish Parashar	Institute of Food technology
44	Student	Member	Sandal Agarwal	Institute of Food technology
45	Student	Member	Aviral Sivastava	Institute of Tourism & Hotel Management

**Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution**

- Total No. of IIC Members : 45
- Total No. of IAs : 0
- Total No. of faculty Mentors From Portal: 0
- Pre-Incubation Units, If any:0
- Incubation Units, If any:0
- IP Facilitation Unit, If any:0

**Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus**

The University established its IIC on 19<sup>th</sup> August 2021, and in the short duration till September 10 2021 has conducted several programmes. The University has various facilities and bodies which will facilitate Pre Incubation, Incubation and Entrepreneurship in the University

- Innovation Center:** The University has a state of the Art Innovation Center. Innovation Centre, Bundelkhand University, Jhansi provides analytical facilities in the area of biological, physical and chemicals sciences. The centre has established Central Instrumentation Facility (CIF) to promote R&D in university and its affiliated colleges and to provide analytical facilities to researchers and industries throughout India. Sophisticated analytical instruments are vital for pursuing research and performing

quality R& D. X Ray Diffractometer, Gas Chromatograph Mass Spectrometer, Ultra Centrifuge, Digital Imaging System, Multi Mode Microplate Reader, Real Time PCR, PQMS, Two Dimensional Gel Electrophoresis etc. These instruments are expensive and cannot be provided through individual project mechanism. Moreover, these instruments are of inter/multidisciplinary utility and thus it is desirable to use them on sharing basis for their optimum utilization.

- b. **Entrepreneurship Development Cell** is being constituted in the University with a dedicated team of actively working faculty who has an industry exposure along with some student representatives. Aspiring entrepreneurs shall be groomed with the necessary inputs on how to be a successful entrepreneur through workshops and seminars by eminent people from the industry. The BUEDC shall encourage the students to consider self-employment as a career option by providing necessary training in Entrepreneurship skills through standardized courses. The cell shall also organize different activities and events from time to time to train and motivate the students on entrepreneurship. The BUEDC shall strive to bridge the gap between Industry and Academia. The cell shall undertake several activities for student development to provide them corporate exposure while studying and develop a spirit of entrepreneurship.
- c. **Internal Quality Assurance Cell** In pursuance of the National Action Plan of the National Assessment and Accreditation Council (NAAC), Bangalore, for performance evaluation, assessment and accreditation and quality upgradation of institutions of higher education, the NAAC proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a postaccreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of an institution's system and work towards realising the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institutions. The IQAC will make a significant and meaningful contribution in the postaccreditation phase of institutions. During the post-accreditation period, the IQAC will channelize the efforts and measures of an institution towards academic excellence

### Highlight Achievements

The Institute Innovation Council at Bundelkhand University is not even a month old. Hence there is no data to be provided in this head. Though there have been patents, start-ups etc which have been done by students and faculty members of various departments. But none to show for the concerned period August 19 2021 to 11 September 2021

SN	Activity	Type	Quarter	Date	Social Media Link
1	IIC Council Meeting	MIC Driven Activity	IV	21/08/2021	-
2	Atma Nirbhar Bharat – Panel Discussion on Vocal for Local	IIC Calendar Activity	I	02/09/2021	<a href="#">Link</a>
3	My Story : Motivational Session by successful innovators	IIC Calendar Activity	I	09/09/2021	<a href="#">Link</a>
4	Online Streaming –	IIC	II	06/09/2021	<a href="#">Link</a>

	Intellectual Property (IP) Management - At Early Stage of Innovation and Start up	Calendar Activity			
<b>5</b>	Interactive Session/Mentoring Session with successful Start Up Founders (Entrepreneurs in Campus)	IIC Calendar Activity	<b>III</b>	<b>07/09/2021</b>	<a href="#">Link</a>
<b>6</b>	Online Video Streaming – Legal and Ethical Steps – Productive Entrepreneurship and Startup	IIC Calendar Activity	<b>III</b>	<b>06/09/2021</b>	<a href="#">Link</a>
<b>7</b>	Workshop on Prototype/Process Design and Development –Prototyping	IIC Calendar Activity	<b>III</b>	<b>03/09/2021</b>	<a href="#">Link</a>
<b>8</b>	Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent (“Why Entrepreneurship”- Entrepreneurship as career opportunity)	IIC Calendar Activity	<b>III</b>	<b>10/09/2021</b>	<a href="#">Link</a>
<b>9</b>	Field/Exposure Visit to Incubation Unit/Patent Facilitation Center – (in Collaboration with STRIDE Project of UGC)	IIC Calendar Activity	<b>III</b>	<b>27/08/2021</b>	<a href="#">Link</a>
<b>10</b>	<b>Annual Report</b>	<b>MIC Driven Activity</b>	<b>IV</b>		-

**Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum**

The faculty members whose contribution to IIC has been noteworthy since its inception on august 19, 2021 till date are Dr. Ritu Singh, Dr. Mahendra Singh, Dr. Era Tiwari, Mr. Pranav Bhargava and Ms. Anjali Jha. They have working day and night to do as many programmes as possible and have been successful in conducting/convening various programmes during this short duration. Noteworthy students are Hritik Patel, Tasha Rehman, Avnish Parashar, Harsh Singh, Ayushi Gupta, Habibul Bashar.

**Highlight selected best Innovations & images with mention of inventor/innovation name**

The Institute Innovation Council at Bundelkhand University is not even a month old. Hence there is no data to be provided in this head.

**Highlight selected start-ups established by students/faculties with mention of founder/cofounder name**

The Institute Innovation Council at Bundelkhand University is not even a month old. Hence there is no data to be provided in this head. Though there have been patents, start-ups etc which have been done by students and faculty members of various departments. But none to show for the concerned period August 19 2021 to 11 September 2021

**List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation**

The Institute Innovation Council at Bundelkhand University is not even a month old. Hence there is no data to be provided in this head. Though there have been patents, start-ups etc which have been done by students and faculty members of various departments. But none to show for the concerned period August 19 2021 to 11 September 2021

**Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs**

Participated in NIRF Ranking and the Institute of Pharmacy received all India 68<sup>th</sup> Rank.

**Detail of Social Media &Connections of IIC institute**

**YouTube**

<https://www.youtube.com/channel/UC7NleHjsMANX6PJVUr0tF1w>

**FaceBook** <https://www.facebook.com/Institution-Innovation-Council-105798771837590>

**Twitter** <https://twitter.com/InnovationCoun4>

**Instagram** <https://www.instagram.com/innovationcouncil4bu/>

**Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell**

To Who So Ever It May Concern

Eventhough the IIC of the Bundelkhand University was formed in mid august 2021, it has been very actively working and has convened as many programmes as possible. There is a lot of team work amongst all the members and this cohesiveness makes the IIC programmes work more successful.

*Pranav*  
 (Pranav Bhargava)  
 Teaching Assistant  
 ITHM, B.V. Jhansi

To Who So Ever It May Concern

IIC Bundelkhand University, has been very actively working in organizing programmes on innovation and entrepreneurship, all the webinars, panel discussions, online lectures organized by the IIC have been well received

Navid:

Dr. RAHUL PATHAK  
Asst. Prof.  
I.A.T.P., BU, Jhansi

To Who So Ever It May Concern

IIC Bundelkhand University, has been very actively working in organizing programmes on innovation and entrepreneurship, all the webinars, panel discussions, online lectures organized by the IIC have been well received

Sandip:

Dr. Sandip Kumar Mishra  
Asst Prof.  
Mechanical Engg Deptt, (BU).

To Who So Ever It May Concern

The work done by the IIC is exemplary and the programmes they have organized are of the highest quality. It is good to see students taking active participation in all the programmes

Tiwari.

Dr. Era Tiwari

Assistant Professor

Institute of Economics & Finance  
Bundelkhand University

(Member, IIC).

To Who So Ever It May Concern

The Institute Innovation Council has been active in organizing various programmes in Bundelkhand University and I have observed they are very beneficial for both the teachers and students.

medha  
Medha Jaiswal  
TA  
ITHM  
BU

## Images

### 1. IIC Council Meeting



### 2. Atma Nirbhar Bharat – Panel Discussion on Vocal for Local



### 3. My Story : Motivational Session by successful innovators



#### 4. Online Streaming – Intellectual Property (IP) Management – At Early Stage of Innovation and Start up



#### 5. Interactive Session/Mentoring Session with successful Start Up Founders (Entrepreneurs in Campus)



#### 6. Online Video Streaming – Legal and Ethical Steps – Productive Entrepreneurship and Startup



7. Workshop on Prototype/Process Design and Development -Prototyping



8. Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent (“Why Entrepreneurship”- Entrepreneurship as career opportunity)



9. Field/Exposure Visit to Incubation Unit/Patent Facilitation Center – (in Collaboration with STRIDE Project of UGC)



## Contact

**Prof Aparna Raj**  
**Convenor, Institution's Innovation**  
**Council**  
**Bundelkhand University, Jhansi**  
**Phone: 9453039872**  
**Email:**  
**raj\_aparnaraj@rediffmail.com**

**Prof. J.V. Vaishampayan**  
**President, Institution's**  
**Innovation Council,**  
**Vice Chancellor,**  
**Bundelkhand University**  
**Email: vc@bujhansi.ac.in**