# SANKALP

**A QUARTERLY E-NEWSLETTER | VOLUME 3**

## BUNDELKHAND INSTITUTE OF ENGINEERING AND TECHNOLOGY, JHANSI



| EDITOR | GUIDE | DESIGNER |
|---|---|---|
| Dr. Shahanaz Ayub | Prof. Pulak Mohan Pandey | Inzamamul Haque B.Tech. (E.E.) |
| Dean R&D BIET Jhansi | Director BIET Jhansi | Santripti Verma B.Tech. (CHE) |

### OTHER STORIES INSIDE:

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- AICTE KAPILA Program
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- Republic Day Celebration
- Directors Interaction
- India-Russia Scientific Webinar
- Unnat Bharat Abhiyaan
- Startup Ecosystem Awareness Program by StartInUP

**And Many More**

https://www.bietjhs.ac.in                    https://www.facebook.com/bietjhansi

# Prof. Pulak Mohan Pandey

Director

Bundelkhand Institute of Engineering and Technology

Jhansi – 284128, Uttar Pradesh

Prof. Pulak Mohan Pandey is Director at Bundelkhand Institute of Engineering and Technology (BIET) Jhansi since 28th August 2021. He is a well-known Mechanical Engineer in India. Prof. Pandey earned his MTech and Ph.D. from IIT Kanpur, B.Tech from HBTI now HBTU Kanpur. He has produced so far 40 Ph.Ds., and supervised 37 M.Tech dissertations. Apart from this, he has published 22 patents and 3 patents are granted. He has strong quality research publications in journals of repute. Prof. Pandey has rich experience in the field of academics, and research and now leading BIET with strong administrative abilities.

# Dr. Shahanaz Ayub

Dean, Research and Development

Bundelkhand Institute of Engineering and Technology

Jhansi – 284128, Uttar Pradesh

Dr. Shahanaz Ayub is an Associate Professor in Electronics and Communication Engineering Department. She is also the Dean of Research and Development. Dr. Ayub is President of the Institute Innovation Council and Coordinator of the Innovation and Incubation Cell. She has a keen interest in Outcome-Based Education and is actively involved in NBA Accreditation of UG programs. She is also a member of the women's grievance redressal cell. Recently conferred with AICTE VISVESVARAYA BEST TEACHER AWARD 2021 by Hon'ble Education Minister Shri Dharmendra Pradhan Ji.

1 January 2022

# New Year Celebration - 2022



*Hon'ble Director addressing enlisted various goals to be accomplished in the year 2022. Faculty Members from all departments and other staff members from various departments were present.  Dr. Shahanaz Ayub anchored the event.*

# AICTE KAPILA Program

Under the able guidance of Hon'ble Director Sir, we have successfully registered for the AICTE KAPILA program. Through this program, AICTE will reimburse the fee of 10 patents of our institute. For each patent, the registration fee is Rs.1600 and Rs.4000 for the IPR expert fee. Total Rs. 5600 per patent filing. Students, faculty members, and Staff are requested to submit their patent filing applications on the portal.

## Dr. Shahanaz Ayub is SPOC for AICTE KAPILA program

## Implementation of Project-Based Learning (PBL)

5 January 2022
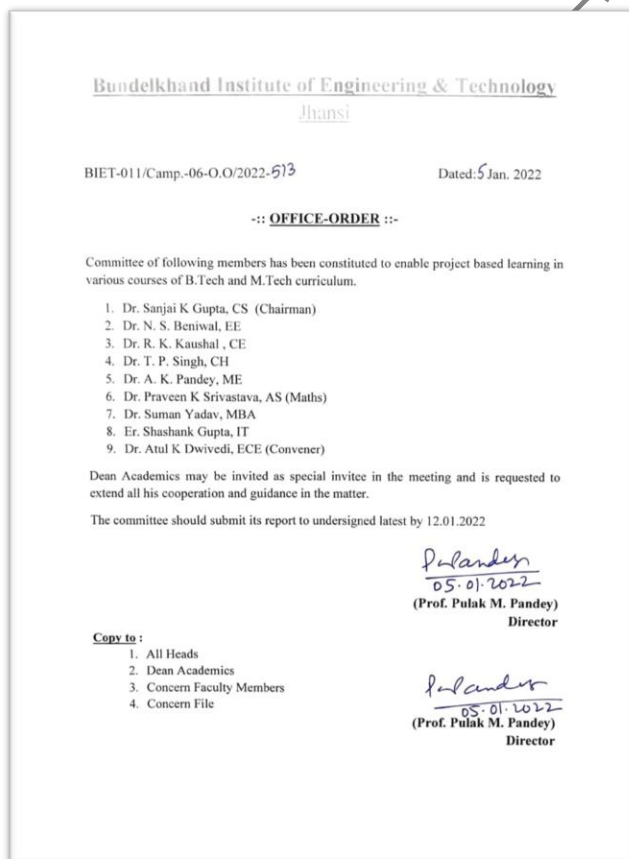


On the 5th of January 2022 Implementation of Project-Based Learning in B. Tech and M. Tech, all courses are initiated by Hon'ble Director BIET Jhansi.

11 January 2022

# Inauguration of e-Symposium
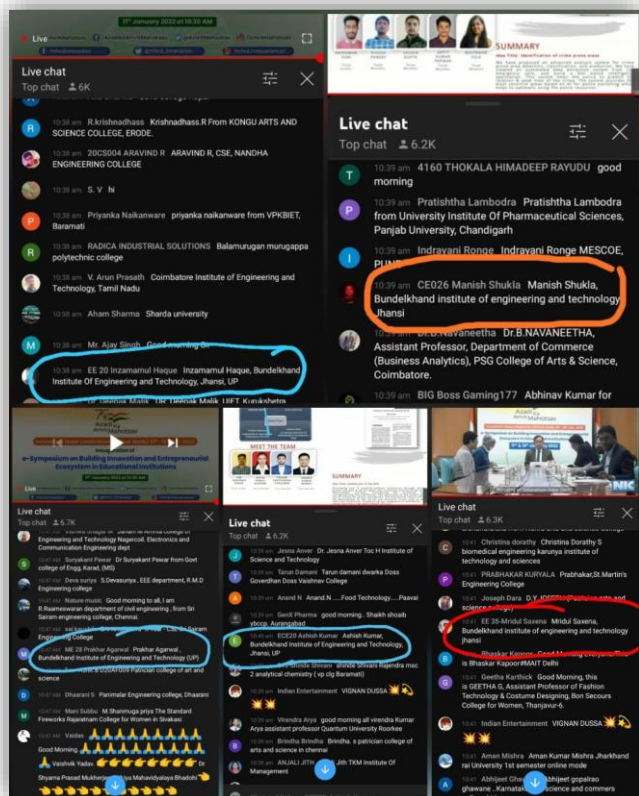


The inauguration of the e-Symposium on Building Innovation and Entrepreneurial Ecosystem in Educational Institutions will start at 10.30 AM on 11th Jan 2022.

The activity was conducted by MIC which was joined online via YouTube by Dr. Shahanaz Ayub and other student coordinators of Innovation and Incubation Cell BIET Jhansi.

6 January 2022

On 6th January 2022, more than 400 students from BIET Jhansi registered on the AICTE internship portal. The initiative to get the students registered on AICTE to get benefitted by the internships was taken by Training and Placement Cell, BIET Jhansi.

Due to increase in COVID cases and in accordance with the government orders, institute conducted online classes from 10th January 2022 to 16th January 2022.

**14 January 2022**

# Makar Sankranti Celebration









On 14th January 2022 all faculty members and other staff along with honorable Director sir performed Surya Namaskar in Open Air Theatre to celebrate the occasion of Makar Sankranti. Institute promoted students to perform Surya Namaskar at their homes due to COVID protocols in place.

17 January 2022

# Online class test 1 from 17.1.22 to 19.1.22 for First-year, First-semester B.Tech, M.Tech students.

18 January 2022

A meeting to review progress of sponsored research projects by faculty members, Dean R and D under the chairmanship of Hon'ble Director was conducted at 10 am.

20 January 2022

BIET - DMSRDE ONLINE MEETING ON SPONSORED RESEARCH PROJECTS

TIME: JAN 20, 3 PM

UNDER THE CHAIRMANSHIP OF HON'BLE DIRECTOR WITH FACULTY MEMBERS AND DMSRDE KANPUR SCIENTISTS TO EXPLORE THE OPPORTUNITIES OF SPONSORED RESEARCH PROJECTS AT DMSRDE

# Republic Day Celebration

## Honorable Director's Interaction with students

AN ONLINE MEETING OF HON'BLE DIRECTOR SIR WITH **B.TECH FINAL YEAR** STUDENTS SCHEDULED ON TIME: **JAN 27, 2022, 03:30 PM**

AN ONLINE MEETING OF HON'BLE DIRECTOR SIR WITH **B.TECH FIRST YEAR** STUDENTS SCHEDULED ON TIME: **JAN 27, 2022, 04:00 PM**

AN ONLINE MEETING OF HON'BLE DIRECTOR SIR WITH **B.TECH THIRD YEAR** STUDENTS SCHEDULED ON TIME: **JAN 28, 2022, 03:30 PM**

AN ONLINE MEETING OF HON'BLE DIRECTOR SIR WITH **B.TECH SECOND YEAR** STUDENTS SCHEDULED ON TIME: **JAN 28, 2022, 04:00 PM**

17 February 2022

# INDIA – RUSSIA SCIENTIFIC WEBINAR ON ADDITIVE MANUFACTURING TECHNOLOGIES
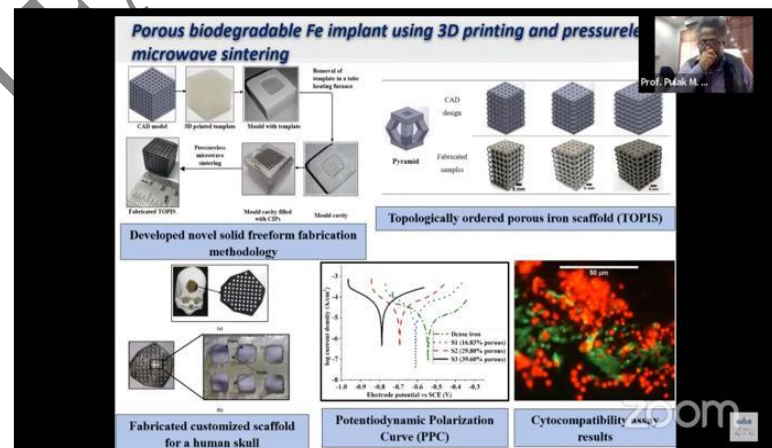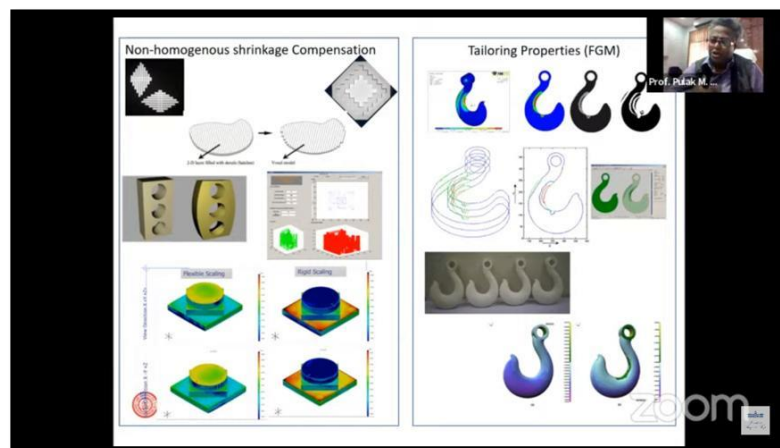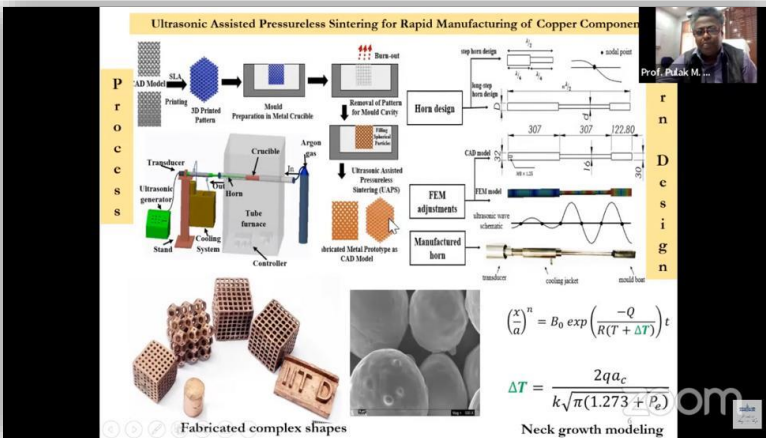


Hon'ble Director

Prof. Pulak Mohan Pandey

delivered expert talk in this webinar.

**14 February 2022**

# 3ᴿᴰ FOUNDATION DAY CELEBRATION OF INNOVATION AND INCUBATION CELL





*An online quiz competition named "Quizzle" and poster making competition named "Chitran" were organized to mark this occasion.*

**28 February 2022**

## THE INSTITUTE APPLIED FOR AICTE SPICES SCHEME FOR STUDENT CLUBS.

**28 February – 9 March 2022**

## B.TECH SECOND YEAR-END SEMESTER EXAMINATION WAS CONDUCTED IN OFFLINE MODE.

**21 March – 25 March 2022**

## INNOVATIVE TECHNOLOGIES APPLICATION FOR UNNAT BHARAT ABHIYAN



A SHORT-TERM COURSE ON
INNOVATIVE TECHNOLOGIES APPLICATION FOR
DEVELOPMENT OF VILLAGES
'IS BEING ORGANIZED BY NITTTR CHANDIGARH'
FROM 21/03/2022 TO 25/03/2022

BIET JHANSI AS NODAL REMOTE CENTRE FOR THIS
PROGRAM FOR BIET JHANSI AND NEARBY
ENGINEERING AND POLYTECHNIC INSTITUTES.

# STARTUP ECOSYSTEM AND AWARENESS PROGRAMME BY STARTIN UP









झांसी | रविवार, 20 फरवरी 2022

## बीआईईटी में हुई जागरूकता कार्यशाला, स्टार्ट अप पॉलिसी की दी जानकारी

झांसी। बुंदेलखंड अभियांत्रिकी एवं प्रौद्योगिकी संस्थान में स्टार्ट इन यूपी, आईटी और इलेक्ट्रॉनिक्स विभाग की ओर से स्टार्ट अप पारिस्थितिक तंत्र विषय पर जागरूकता कार्यशाला हुई। स्टार्ट अप एवं उद्यमिता विशेषज्ञ जितेंद्र कौंद्र ने छात्र-छात्राओं को

प्रदेश सरकार की स्टार्ट अप पॉलिसी की भी जानकारी दी। बताया गया कि झांसी में पहला इनक्यूबेटर सेंटर स्थापित हो रहा।

बीआईईटी के निदेशक प्रो. पुलक मोहन पांडेय ने बताया कि संस्थान में इनक्यूबेटर सेंटर की स्थापना के

### झांसी में यह पहला इनक्यूबेटर सेंटर स्थापित हो रहा

लिए प्रयास किए जा रहे हैं। इसमें न सिर्फ संस्थान के विद्यार्थियों के स्टार्ट अप को मार्गदर्शन मिलेगा, बल्कि जिले के सभी लोग जो अपने स्टार्ट

अप को इनक्यूबेट करना चाहते हैं, उन्हें भी सहयोग दिया जाएगा। इनक्यूबेटर सेंटर की समन्वयक डॉ. शहनाज अयूब ने कहा कि अभियांत्रिकी के प्रथम वर्ष से ही इस तरह के कार्यक्रमों का आयोजन अहम साबित होंगे, झांसी में यह

पहला इनक्यूबेटर सेंटर स्थापित हो रहा है।

पूर्व छात्र और बिन प्लस के संस्थापक देव वर्थ ने अपने अनुभव बताए। छात्र रिशिक पाठक ने स्टार्ट आइडिया प्रस्तुत किया। विशेषज्ञों ने सेंटर का परीक्षण किया। ब्यूरो

*Mr. Jitendra Kindra, Startup Ecosystem and Partnership Expert, StartInUP, PMU visited the campus. He guided the students on various opportunities provided by the government to budding startups and developing ideas. His session was followed by his visit to the underdevelopment Incubation Centre at the New Library Building First Floor. He provided his valuable suggestion to make this center a renowned place for budding startups. On this occasion, prizes for a previous event of Innovation and Incubation Cell were also distributed.*

**20 February 2022**

# WEBINAR ON PREPARATION STRATEGY FOR UPSC CIVIL SERVICE EXAMINATION



*In collaboration with NextIAS group a subsidiary of MadeEasy, Innovation and Incubation Cell BIET Jhansi organized a webinar on Preparation Strategy for UPSC Civil Services Examination. The mentor for the session was Mr. Haris Bin Zaman ( IPS 2018, ASP Giridih).*

21 February 2022

# MATRABASHA DIWAS CELEBRATION

**21 March - 31 March 2022**

# HON'BLE DIRECTOR PROF. PULAK MOHAN PANDEY DELIVERED AN EXPERT TALK IN FDP ON SCIENTIFIC COMPUTATIONS AND GUI DEVELOPMENT USING MATLAB

**10 February 2022**

# REVIEW MEETING WITH HON'BLE PRINCIPAL SECRETARY
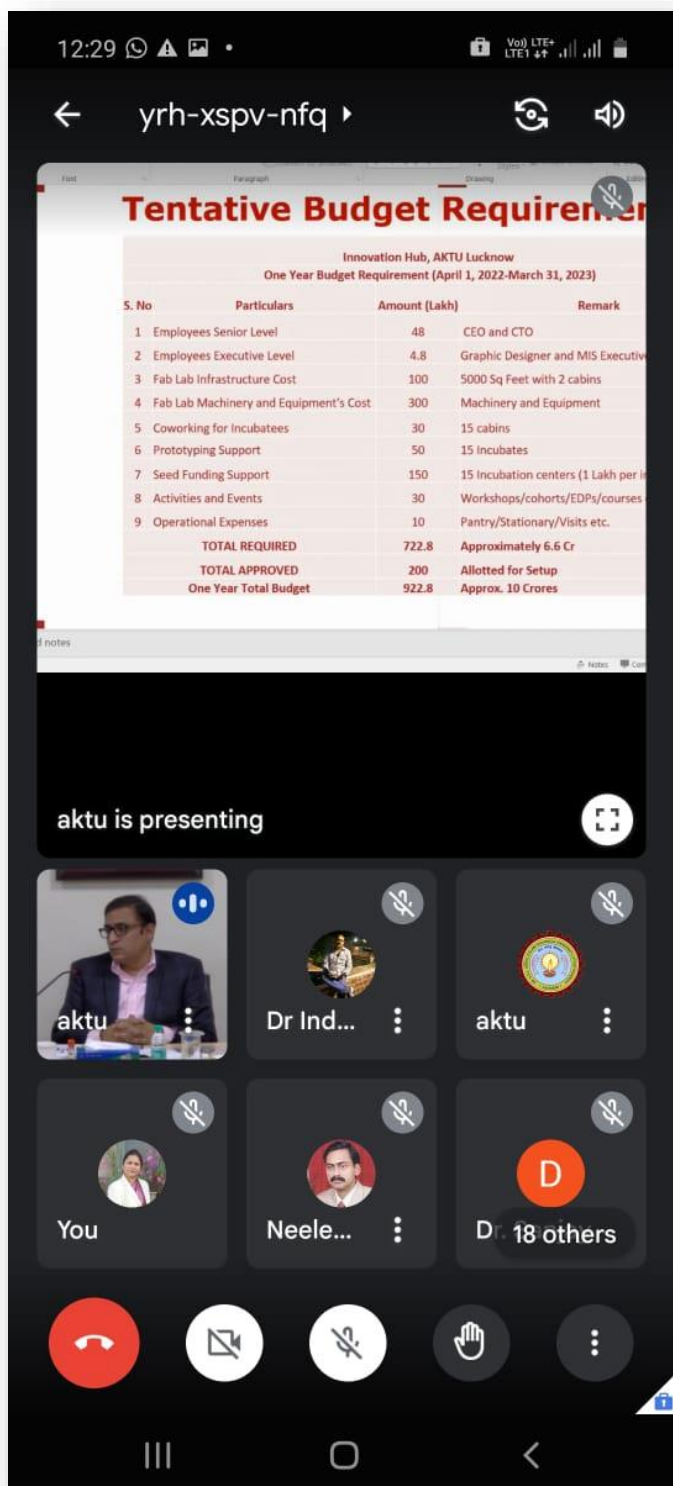


On Thursday, 10th February at 11:00 am a review meeting of all institutions was called by the Principal Secretary to discuss various topics crucial for the development and proper functioning of all the undersigned institutions. A discussion relating to the tentative budget requirements was also discussed during the meeting.

Dr. Shahanaz Ayub, Dean of Research and Development, BIET Jhansi attended the meeting with various other dignitaries.

**7 March - 11 March 2022**

# ENTREPRENEURSHIP EDUCATOR ORIENTATION PROGRAMME



Entrepreneurship Educator Orientation Programme
(7-11 March 2022)

The Entrepreneurship Educator Orientation Programme organized by the **Entrepreneurship Development Institute of India** from 7th March 2022 to 11th March 2022 was attended by Dr. Satish Kumar Singh (Assistant Professor, Electronics and Communication Department, BIET Jhansi) and Mr. Shashank Gupta (Assistant Professor, Computer Science and Engineering Department, BIET Jhansi).
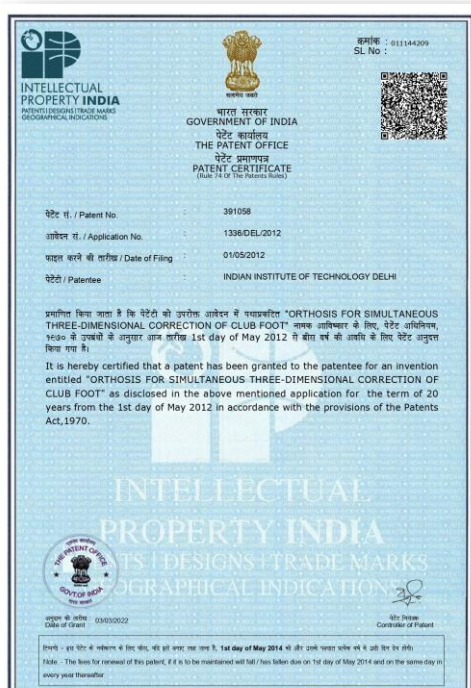
**17 February - 18 February 2022**

# HOLI CELEBRATION





**3 March 2022**

# HON'BLE DIRECTOR PROF. PULAK MOHAN PANDEY'S PATENT PUBLISHED



Our Hon'ble Director Prof. Pulak Mohan Pandey, got his patent published on "Orthosis for simultaneous three-dimensional correction of club foot." On 3rd March 2022.

# STUDENTS FROM BIET JHANSI SECURED EXCELLENT RANKS IN GATE EXAMINATION

| Name | Roll No. | Rank in PI | Score in PI (Out of 100) | Rank in ME | Score in ME (Out of 100) | Rank in XE | Score in XE (Out of 100) |
|---|---|---|---|---|---|---|---|
| PRANJAL NIGAM | 1804340031 | | | 10375 | 31 | | |
| Anas Ali | 1804340010 | | | Not qualified | 25 | Not qualified | 32 |
| Gulshan Kumar Gautam | 1804340019 | | | 12985 | 27.27 | | |
| Ankit maurya | 1804340011 | 415 | 51.33 | | | | |
| Harshit kumar | 1804340020 | | | Not qualified | 27.3 | | |
| Himanshu Gautam | 1804340022 | 756 | 39.33 | | | | |
| Sumit Soni | 1804340039 | 399 | 52.33 | 4155 | 44.88 | | |
| Aditya Kumar Chaudhary | 1804340004 | | | 14615 | 25.36 | | |
| NAVEEN KUMAR YADAV | 1804340028 | | | 4687 | 43.18 | 1921 | 43.33 |
| Atul kumar maurya | 1804340013 | 55 | 500 | | | | |
| Uday pratap singh | 1904340905 | | | 5043 | 45 | | |
| Abhilash Gaur | 1804340001 | Not qualified | 23.5 | | | | |
| Manish Kumar Gautam | 1804340024 | | | 9000 | 387 | | |

CSE STUDENTS GOT THE RANK 78, 121, 242, 258, 343, 746, 778
PRESENT STATUS OF GATE QUALIFIED STUDENTS:
08 STUDENTS QUALIFIED FROM THE 2021 BATCH.

GATE AIR 05
02 STUDENTS QUALIFIED FROM THE 2022 BATCH
GATE AIR 895
NO. OF STUDENTS QUALIFIED IN GATE 2022: -

CSE - 7 STUDENTS
ECE - 4 STUDENTS
EE - 5 STUDENTS
IT - 1 STUDENT
CE - 7 STUDENTS
ME - 7 STUDENTS

**3** **28 March 2022**

## HON'BLE DIRECTOR PROF. PULAK MOHAN PANDEY IS INCLUDED AMONG THE TOP SCIENTISTS IN THE WORLD.

## Startup application numbers A/STARTUP/UP/UPLC/00003084 and A/STARTUP/UP/UPLC/00003087 got registered.

Two startups registered on StartInUP portal and BIET Jhansi successfully submitted registration form of Incubation Center on StartInUP portal on 30 March 2022.
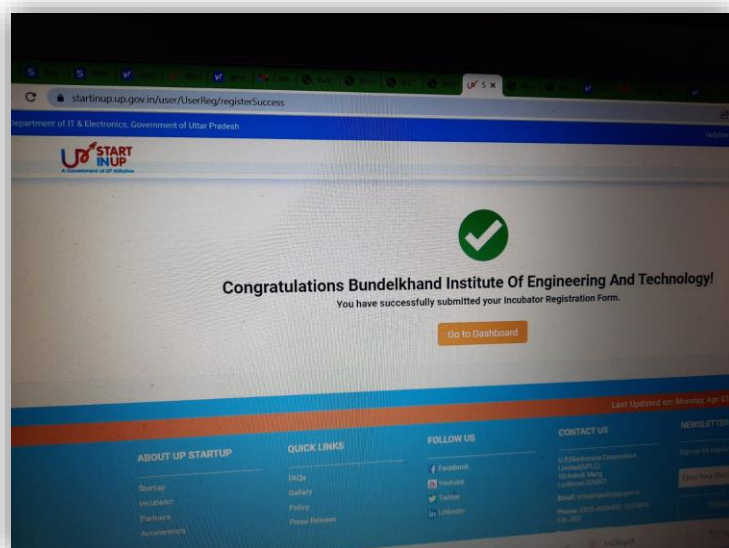
बीआईईटी झाँसी के निदेशक प्रो. पुलक मोहन पांडे देश की शीर्ष वैज्ञानिकों की सूची में



शीर्ष वैज्ञानिकों में शामिल बीआईईटी निदेशक

झाँसी। बीआईईटी के निदेशक प्रो. पुलक मोहन पांडे ने देश के शीर्ष वैज्ञानिकों की सूची में स्थान प्राप्त किया है। मेकेनिकल एवं ऐरोस्पेस इंजीनियरिंग की अहम वेबसाइट रिसर्च डॉट कॉम ने ये सूची प्रकाशित की है। अभियांत्रिकी की इन शाखाओं में उत्कृष्ट वैज्ञानिक योगदान प्रदान करने वाले शीर्ष वैज्ञानिकों की सूची सन 2014 से प्रकाशित की जा रही है। हाल ही में उनके आविष्कार अर्थोसीस फॉर सायमलटेनियस थ्री डायमेंशनल करेक्शन ऑफ क्लब फुट को पेटेंट भी किया गया है। ब्यूरो

प्रो. पुलक मोहन पांडेय,

# PROJECT-BASED LEARNING

Project-Based Learning (PBL) is introduced in the curriculum from this semester for all year of B.Tech. Program. Students are to implement their acquired knowledge in each subject in making a project related to the subject.



**Second year ECE student group demonstrating project under PBL of KOE 044 Sensors and Instrumentation Course**

This arrangement is to enable students to not only prosper in theoretical aspects but also to encourage them to use their knowledge to solve real-world problems.



# BOOK PUBLISHED BY DR. SHAHANAZ AYUB

Dr. Shahanaz Ayub, Dean of Research and Development, Bundelkhand Institute of Engineering and Technology Jhansi has recently published a book named "Entrepreneurs Challenges" along with Mr. D. Saravanan, Dr. Shubhendu Shekhar Shukla, and Dr. Raju Agarwal. The book is available on Amazon for sale.
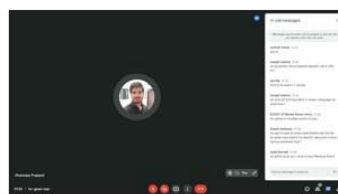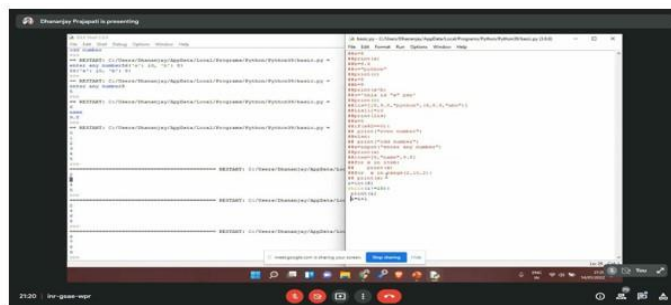
# INNOVATION AND INCUBATION CELL ACTIVITIES
## -FACULTY COORDINATOR: DR. SHAHANAZ AYUB

- Organized under Azadi ka Amrit Mahotsav and MoE Innovation Cell



## Workshop on basics of Python programming

| | |
|---|---|
| **DATE** | 14st January 2022 |
| **NUMBER OF PARTICIPANTS** | 140 |
| **ACTIVITY TYPE** | Workshop |
| **KEY HIGHLIGHTS** | Workshop on basics of Python programming |
| **VENUE** | Google meet |
| **MODE** | Online |

## Talk on Public Speaking and Communication Skills

| DATE | 20st January 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 100 |
| ACTIVITY TYPE | Workshop |
| KEY HIGHLIGHTS | Talk on Public Speaking and Communication Skills |
| VENUE | Google meet |
| MODE | Online |

## Orientation Session on IIC 4.0

| DATE | 24st January 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 60 |
| ACTIVITY TYPE | Orientation Session |
| KEY HIGHLIGHTS | Orientation Session on IIC 4.0 |
| VENUE | Google meet |
| MODE | Online |



## Workshop on Android App Development

| DATE | 25th January 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 120 |
| ACTIVITY TYPE | Workshop |
| KEY HIGHLIGHTS | Workshop on Android App Development |
| VENUE | Google meet |
| MODE | Online |
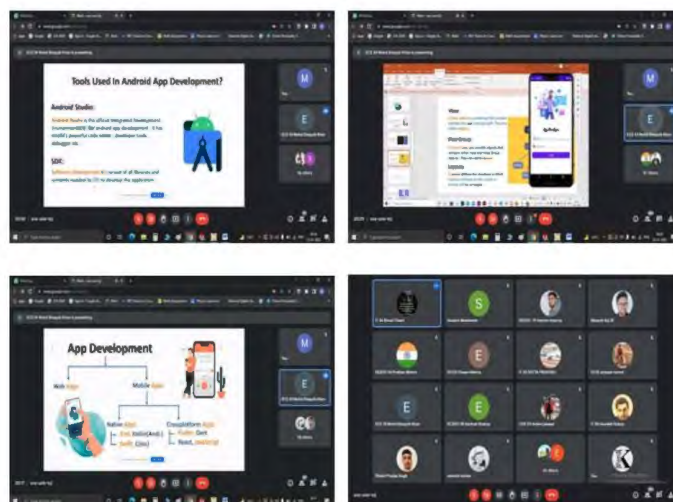
## Motivational and Guidance Session by our glorious achiever Mr. Raveet Kumar

| | |
|---|---|
| DATE | 3rd February 2022 |
| NUMBER OF PARTICIPANTS | 200 |
| ACTIVITY TYPE | Motivational and Guidance Session |
| KEY HIGHLIGHTS | Motivational and Guidance Session by our glorious achiever Mr. Raveet Kumar |
| VENUE | You Tube |
| MODE | Online |
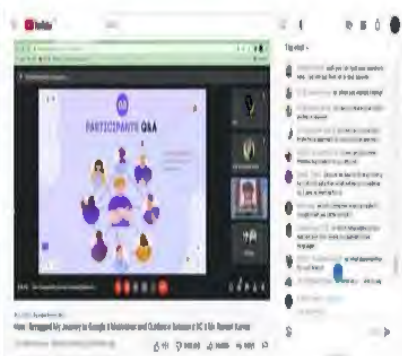
## Roadmap to a successful career in AI and ML by Mr. Sumit Agarwal

| DATE | 6th February 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 110 |
| ACTIVITY TYPE | Guidance Session |
| KEY HIGHLIGHTS | Roadmap to a successful career in AI and ML by Mr. Sumit Agarwal |
| VENUE | Google meet |
| MODE | Online |

## National Science Day

| DATE | 28th February 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 80 |
| ACTIVITY TYPE | Celebration |
| KEY HIGHLIGHTS | National Science Day |
| VENUE | Seminar Hall |
| MODE | Offline |



## International Women's Day

| DATE | 8th March 2022 |
|---|---|
| NUMBER OF PARTICIPANTS | 80 |
| ACTIVITY TYPE | Celebration |
| KEY HIGHLIGHTS | International Women's Day |
| VENUE | Google meet |
| MODE | Online |

# Internal Hackathon
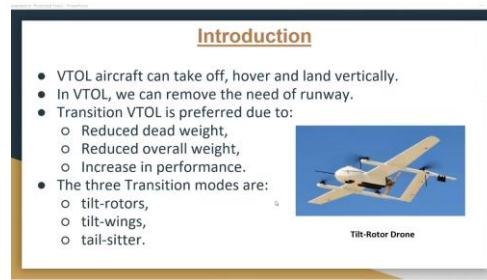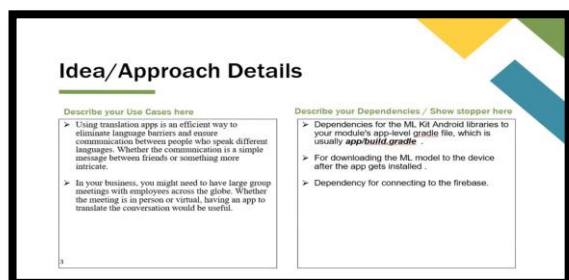






**Faculty Coordinator: Dr. Shahanaz Ayub**

| Teams | Team Leader | Team Members |
|---|---|---|
| Team 1 | Maheep | Rohan Saxena<br>Shreya Tiwari<br>Chetanya Tomar<br>Shubham Gupta<br>Jaikishan Katiyar |
| Team 2 | Yashasvee Dwivedi | Siddhant Mishra<br>Ayush Verma<br>Prashant Babu<br>Cherrie Verma<br>Shruti Tiwari |
| Team 3 | Yashi Gupta | Satyajeet Singh<br>Shivam Yadav<br>Shivanshu Kumar<br>Aman Kumar<br>Jaya Tripathi |
| Team 4 | Shivansh Pratap Singh | Ankit Srivastava<br>Akansha Sharma<br>Satish Kumar<br>Samaksh Ujjawal<br>Kartikey Mishra |
| Team 5 | Shubham Pathak | Shuvangi Shukla<br>Satya Prakash Yadav<br>Shikhar Batham<br>Ekagra Agarwal<br>Dhananjay Prajapati |