



संस्थान की नवप्रवर्तन परिषद  
INSTITUTION'S INNOVATION COUNCIL  
बिरला प्रौद्योगिकी संस्थान, मेसरा, राँची – ८३५२१५  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA  
JHARKHAND, RANCHI, -835 215, INDIA  
(डीम्ड विश्वविद्यालय/Deemed University u /s 3 of UGC Act 1956)



## Annual Report 2022-23

Section A.

About IIC Institute

### INSTITUTION'S INNOVATION COUNCIL, BIT MESRA

#### • VISION

To create a vibrant local innovation ecosystem and start-up supporting mechanism in BIT. Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework. Establish Functional Ecosystem for Scouting Ideas and Pre-incubation of Ideas. Develop better Cognitive and Design Thinking Ability for Technology Students.

#### • FUNCTIONS

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

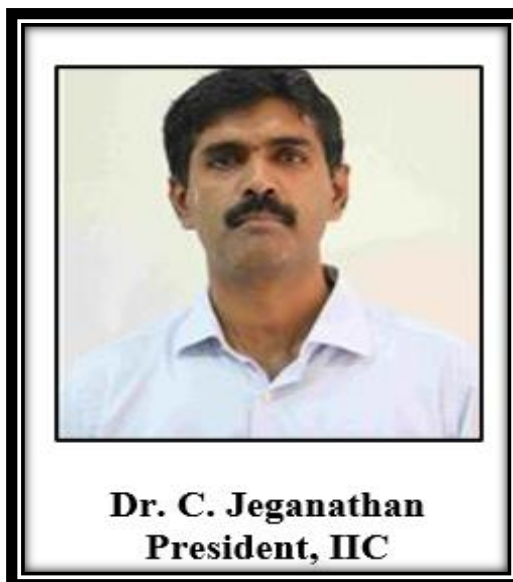
#### • OUR JOURNEY

Since our establishment (October 2018), IIC Birla Institute of Technology Mesra, has consistently made the requisite efforts to thrust the innovation and start-up ecosystem amongst the students and faculty. The response of the participants in our informative sessions and events are a testimony to our claims. A separate Deanship has been created for Research, Innovation and Entrepreneurship. Today we are proud of the ecosystem that has been developed in the institute, and we see ourselves growing exponentially in the coming times.

#### • DIVERSITY

Our team consists of experienced individuals from various departments of our institution. We promote diversity on all fronts, may it be student participation or even the initiatives taken by our esteemed team of faculties.

Members of IIC





**Section C.**

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

Description	No.
Total number of IIC Members	83
Total number of Innovation Ambassadors	10
Total number of faculty Mentors	35

### **IIC- Members 22-23 (Faculty)**

<b>Sl No.</b>	<b>Name of Executive Members</b>	<b>Role in IIC</b>
1.	Prof. Sudip Das	NIRF Coordinator
2.	Dr. Ashoke Sharon	IPR Convenor
3.	Dr. Anand Kumar Sinha	Member
4.	Mr. Vishal H Shah	Start-up Activity Coordinator & EDC Coordinator
5.	Dr. Manish Kumar Pandey	Innovation Activity Coordinator
6.	Dr. Priyank Kumar	ARIIA Coordinator
7.	Dr. Dharmendra Kumar Chand	Internship Activity Coordinator
8.	Dr. Ritesh Kumar Singh	Member
9.	Dr. S. K. Rout	Member
10.	Dr. L.N Patnaik	Member
11.	Dr. Dilip Singh	Member
12.	Dr. Raju Poddar	Member
13.	Dr. Sukalyan Chakraborty	Member
14.	Dr. Vijay Nath	Member
15.	Dr. Dilip Singh	Member
16.	Dr. Supriyo Roy	Member
17.	Dr. Praveen Srivastava	Member
18.	Dr. Praveen Mishra	Member
19.	Dr. Manish Kr Singh	Member
20.	Dr. Anupam Roy	Member
21.	Dr. Kirti Abhishek	Member
22.	Dr. S.S Tripathy	Member
23.	Mr. Mrinal Pathak	Member
24.	Dr. Jit Mukherjee	Member
25.	Dr. Rohit Kr Pandey	Member
26.	Dr. Chandrayee Sarkar	Member
27.	Dr. Binay Kumar	Member
28.	Dr. Abhijit Mondal	Member
29.	Dr. Gauri Shanker Gupta	Member
30.	Dr. Paritosh Mahata	Member
31.	Dr. Somak Dutta	Member
32.	Rohit Pandey	Member
33.	Dr. Vimal K.S Yadav	Member
34.	Dr. Ajay Kumar	Member
35.	Dr. D.K. Upadhayay	Member
36.	Dr. Dinesh Prasad	Member
37.	Dr. Rohini Jha	Member
38.	Mr. Umesh P Sah	Expert External Member
39.	Dr. P. K. Chatterjee	Expert External Member
40.	Mr. N. C Agarwal	Expert External Member



### IIC- Members 22-23 (Students)

Sl No.	Name of Students	Branch
1.	Riya Biswas	MNC
2.	Anshika Singh	MNC
3.	Koushiki Chakrabarti	MNC
4.	Astha Ohdar	MNC
5.	Shikha Kumari	MNC
6.	Harsh Raj,	ECE
7.	Shruti Sikha	ECE
8.	Saurabh Kumar	ECE
9.	Nikhil Verma	IT
10.	Sakshat	IT
11.	Aryan Raj	BioTech
12.	Prashansa Agarwal	Che.Engg
13.	Yaagik Maurya	QEDS
14.	Harsh Ranjan	QEDS
15.	Aayushi Singh	QEDS
16.	Mahak Shah	CSE
17.	Parimita	CSE
18.	Rishika	CSE
19.	Ayush Kumar	CSE
20.	Jalaj Jain	CSE
21.	Priyanka Choudhary	CSE
22.	Raj Aryan	CSE
23.	Ritika Prasad	CSE
24.	Anudip Kumar	CSE
25.	Nidumolu Lakshmi Narayan Rao	CSE
26.	Udit Narayan	Mgt
27.	Akansha	Mgt
28.	Nandini Bhardwaj	Mgt
29.	Anjali Kumari	Mgt
30.	Pratyush Kumar Baghel	Mgt
31.	Neha Choudhary	Mgt
32.	Indrajit Das	Mgt
33.	Mugdha Shukla	Chemical Engineering department
34.	Kumar Varun	Mechanical Engineering
35.	Anshuman raj	Mechanical Engineering
36.	Vedant Gupta	EEE

Dr. K. Sridhar Patnaik

Convenor, IIC

## SECTION D.

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

1. The Entrepreneurship Development Cell (EDC), a student club, was set up in year 2007 and has been working for this purpose. Its sole objective is to give a platform to the ideas, and early-stage start-up(s) that come up in the college and provide proper channels to support their growth. Currently EDC BIT Mesra has a student body of 118 Members including 32 Executive member. Every year EDC holds a series of guest lecture/workshop/events and webinars to promote innovation, entrepreneurship in campus and also BIT has total no of technical club is 34 and various activities doing under the banner of Institution's innovation council, BIT Mesra Ranchi.
2. A key event to mention is the flagship, B-Plan, Innovation Contest event of the E-Summit, where the club partners with Ventur Capitalist and Angel Investors, with an aim to give the young entrepreneurs a chance to display their brilliant ideas and efforts and receive initial funding. It is one of the biggest B-Plan events in Eastern India. Different Mega Events (i.e. Webinar/Seminar - 5 Hacks for College Entrepreneurs"/ "The Perfect Recipe for an Entrepreneur"/ "Innovation and Product Development through Design Thinking"/ "Promoting Research & Innovation in the Contemporary Times" etc. Innovation Competition Events like "Business Plan Competition"/ "ENIGMA-A technical Case Competition"/ "Internal Hackathon", "Sirf Excel 2.0"/ "Ancient Entrepreneur and Robotics Exhibition"/E-Summit/ Fin Street) were also conducted.
3. An Innovation Contest called BIT-NISHAN (IIC-Annual Flag Ship Event) was organized which students were evaluated for their innovative ideas to have their startups.
4. The E-Summit (i.e., Entrepreneurship-Summit) is organized by the EDC every year to encourage entrepreneurial thinking in the college, through its events, and provide a stage to the budding start-up(s).
5. Other events, which are organized throughout the year, and not necessarily limited to the E-Summit include workshops on the fields of entrepreneurship, finance etc. and interactions with industry giants.
6. With a zeal to strive for excellence and to spark the interest of students towards technical prowess and ingenious innovations, IIC-BIT Mesra conducts one of its biggest technical fests of Eastern India- "PANTHEON" every year in the month of October. The fest aims for a humble beginning - towards potentiating our society - through technology- to engender a better tomorrow. It provides an arena for technological competition, deep celebration and innovation.

1. BIT has fostered innovation in every domain of the technology. BIT has made 25+ MOUs with Industry and institutions, funded 20+ technical clubs, organizes a regionally popular annual **Techfest – PANTHEON**, and sponsored & encouraged patents (13 granted, 20 published and 11 in filed status), and have 6 students initial startup supporting and 3 startup registered supporting by IIC-BIT. Two faculty members received SERB International Research Experience (SIRE) award in 2022 for collaborative research in UK and USA. 44 students participated under Immersive Summer Research Experience (ISRE), a funded collaboration with 5 US universities. INAE selected and sponsoring BIT for hosting their annual flagship events – “National Frontiers of Engineering Conclave” and “Innovations in Manufacturing Processes Competition”. CIF facility at BIT has the latest and sophisticated instruments catering to research requirements of institute and outsiders in a subsidized manner.
2. Birla Institute of Technology, Mesra, organized a technology transfer programme to license the two technologies of rapid drying and functional alteration equipment of agricultural and pharmaceutical ingredients of the Technology Licensing Agreement (TLA). Dr. Anupam Roy , IIC Member and faculty of Department of Chemical Engineering has developed two process machinery: 1. MSHCA-fluidized bed dryer and 2. MSHCAT tray dryer. The technologies are beneficial for rapidly drying Agricultural and food products like fruits and vegetables, nuts, spices and medicinal plants.

1. The total 81 teams from the best colleges and universities of India participated in this event. The event was held in offline mode at Pithampur, Indore, Madhya Pradesh after two years due to a pandemic. The Firebolt team BIT Mesra backed 3 podium finishes which include **1st position in the Sales Presentation Event** and **2nd position in Raftaar Award (making 2nd lightest ATV in the country)** and **3<sup>rd</sup> position in Acceleration event**. This is by far the best performance given by the team in the history of Firebolt Racing despite all the manufacturing roadblocks, time constraints and pandemic nothing could stop the team. This result has been a great morale boost for Firebolt team as continue to work to reach the peak of excellence.
2. Dr. Anand Pd Sinha, Assistant Professor in the department of management and co-convenor of the IIC-BIT Mesra Ranchi received financial support from the STPI (Software Technology Park of India, Chunauti 4.0 is a leading S&T organization under the Ministry of Electronics and Information Technology) along with their students Neha Choudhary, Harsh, and Satyam Singh to developed "Smart Hybrid Electric Optimistic Bikes ( Hybrid EV Cycle-Retro Fitting Model)), which supports carbon-free hybrid cycle in the environment and design will

be 100% eco-friendly because being electrically powered, they will contribute to a healthy and green climate.

3. Dr. Sanjaya Shankar Tripathy, Member of IIC has developed a non-contact type height and distance measurement system using ESP32 MICROCONTROLLER, Dome shaped solar charging design for drones.
4. Mr. Vishal H Shah (IIC Members & EDC Coordinator) with their students created a Greet Bot robot. Greet Bot is built with a basic functionality of greeting and guiding people, but plan on developing it further according to the client's requirement.

## **SECTION G.**

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

1. Aditya Nair, Amit Kumar (MBA Students) & Dr. Anand Pd Sinha, Co-Convener, IIC-BIT & Assistant Professor, Department of Management, BIT Mesra Ranchi has developed Carbon Free Hybrid EV Bike Tractor: Mobility "Wheel Rover" for Agriculture Applications under the Battery Innovation Technology Services & Mobility "Wheel Rover"- (Hybrid EV Bike Tractor-Retro Fitting Model), which supports carbon-free hybrid tractor in the environment. EV Bike Tractors are the future of modern farming because of their various benefits and advantages attached to their emergence from being cost-effective, accurate power, environment friendly, and many factors which it brings along. EV Bike Tractors are best for future farming as there has been extinction when it comes to fossil fuels.
2. Mr. Vishal H Shah (IIC Members & EDC Coordinator) with their students created a Greet Bot robot. Robotics has always been a field of fascination and there are a very few Indian startups working on it, with almost no one supplying such a robot to the industries. Greet Bot is built with a basic functionality of greeting and guiding people, but plan on developing it further according to the client's requirement. It'll be a great asset in places like offices, restaurants and hospitals.
3. Dr. Sanjaya Shankar Tripathy, Member of IIC has invented a non-contact type height and distance measurement system using ESP32, Dome shaped solar charging design for drones, and Greet Bolt. The ESP32 is a low cost-power dual-core micro-controller that integrated Wi-Fi and Bluetooth connectivity. It was developed by Espressos if system and is widely used in IoT (Internet of things) applications, home automation, robotics and other projects that require wireless communication.

**SECTION H.****Highlight selected start-ups established by students/faculties with mention of founder/co-founder name**

The following are some of the most recent startups initiated by Students who get the winning prizes of Rs. 1 Lakh from the Innovation contest i.e. BIT NISAHN supporting by IIC -BIT Mesra.

<b>Team &amp; Startup Name</b>	<b>Students Name</b>	<b>Mentors Name</b>
ELYVATE	Navneet Kumar	Dr. Manish Kr. Pandey, Assistant Professor, QEDS Department, BIT Mesra Ranchi
	Sahil Ritolia	
	Shreyansh Srivastava	
	Harsh Ranjan	
WHEEL ROVER	Aditya Hari Nair	Dr. Anand Pd. Sinha,(Mentor) Assistant Professor, Management Dept. BIT Mesra Ranchi & Dr. Richa Pandey, (Co-Mentor) Assistant Professor, Mech. Dept, BIT Mesra Ranchi
	Abhishek Kumar Mishra	
	Aditya Krishna	
	Amit Kumar	
BEVERAGE TRUCK	Ayushi Vyas	Mr. Sanjiv Srivastava, Assistant Professor, HMCT Dept. BIT Mesra Ranchi
	Kavya Sahu	
	Simran Shahdeo	
	Yukta Shree	
VENTURE LABS	Ayush Kumar	Dr. Priyank Kumar, Assistant Professor, Rocketry Dept. BIT Mesra Ranchi.
	Pratyush Tiwari	
	Sarang gupta	
	Aryan kumar	
HOUSEKEEPING HYGIENE SOLUTION	Aditya Sharma	Mrs. Sandhya Rani, Assistant Professor University Polytechnic
	Payal Bhogta	
	Kumar Srijan	
KARDS	Tanish Gupta Akansha Khedia	Mr. Vishal H. Shah Assistant Professor, ECE Dept BIT Mesra Ranchi..

The following list includes other startups that IIC-BIT provides financial support for product development and awareness-raising initiatives. (2022-23)

1. Floxus: An Ed-Tech Startup, Founded by Utkarsh Mishra, Hritik Shubham and Nagendra Kumar.
2. Psyber Duck: Software based Startup founded by Vibhu Bhatia, Tanay Goel and Arpit. (Web Services, supported 25+ companies in their tech end.)
3. Infinity Accord Private Limited – Founder Members- Ayush Kumar (Working in Decentralized Finance, AI Blockchain Confluence, Tokenization using Blockchain)

4. BTECH/10471/22 A.K.SP solution Pvt Ltd.- Founder Members - Pratyush & Ayush (Mech Dept.), Sarang Gupta (Comp Science Department) Arryan Kumar (ECE Department) – Technical consultant and solution.

## SECTION I.

### List of any breakthrough Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation)

#### About Technology /Innovation

Today Technological innovation comprises activities that contribute to the research, development and design of new products, services or techniques, or to improving existing products, and generates new technological knowledge which potentially results in a better business model. BIT has promoted the culture of innovation, incubation, and entrepreneurship (IIE). Small Industrial Research and Development Organization (SIRDO), Small Industrial Research, Training and Development Organization (SIRTDO), and Science and Technology Entrepreneurship Park (STEP) were the organizations that were conceptualized and created to promote entrepreneurship among students. They were the first of their kind in the nation. With the passage of time, BIT has adapted to the difficulties and has taken several actions to increase the significance of IIE; in this regard, an appropriate framework is envisioned through the Innovation, Incubation & Entrepreneurship (IIE) programme. The Entrepreneurship Development Cell at BIT Mesra aims to promote an entrepreneurial culture among students by bridging the gap between innovation and opportunity.

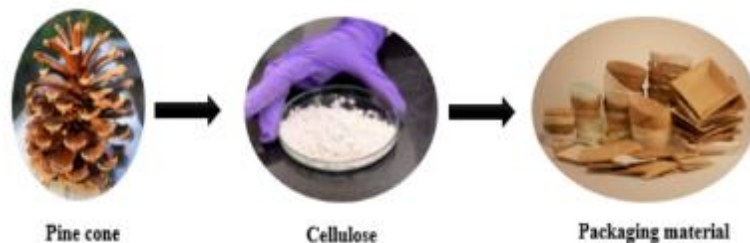
Some of the technology /innovation developed by students/Faculty of BIT Mesra are listed below.

1. Dr. Richa Pandey, Department of Mechanical Engineering, BIT Mesra Ranchi with their students developed Plastic Shredder Machine which is developed under theme of “Efficient Recycling of Plastic Waste in India”. A plastic shredder is used to cut plastic into small pieces. In plastic recycling factories and manufacturing facilities, plastic shredders are crucial. The developed machine serves the purpose of recycling various plastic waste like HDPE, LDPE, PVC, PET. In addition, the processed plastics can be further used as raw materials for other goods including toys, packaging bags, and storage containers.



2. Dr. Sumit Mishra, Department of Chemistry, BIT Mesra, with their students created a paper-based packaging. This has led to high demand for paper-based packaging. Cellulose is the most abundant biopolymer on Earth and the major component of paper. Cellulose is obtained from wood and about 42% of all global wood harvest is used to make paper. This leads to deforestation and loss of biodiversity. Deforestation for paper production

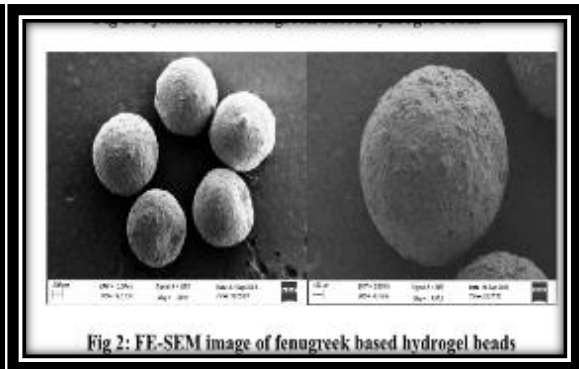
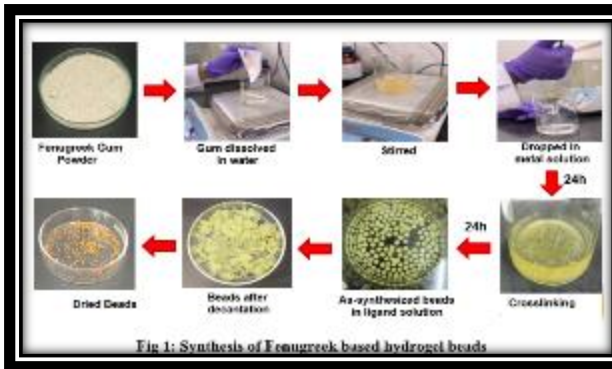
contributes to around 10% of global greenhouse gas emissions, and the paper and pulp industry is one of the largest consumers of fossil fuels worldwide. So, we need to look for an alternative source to produce paper-based packaging. The main objective is the production of renewable, sustainable and biodegradable lignocellulose-based packaging materials obtained from waste materials. For this a novel packaging paper was successfully prepared using pine cones. The packaging material produced was biodegradable, non-toxic, bio-compatible and cost-effective.



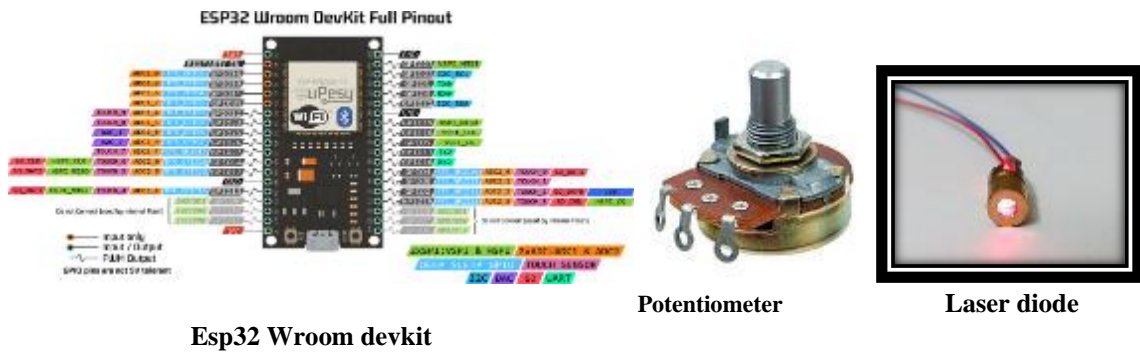
Pine cones, which are abundant waste biomass, were first used for extracting cellulose and then developing packaging materials. Cellulose was extracted from pine cones using alkaline and bleaching treatment and then some binders and chemicals were added to get the resultant packaging material. The packaging material so obtained is biodegradable, sustainable, cost-effective, eco- friendly and non-toxic.

3. Dr. Sumit Mishra, Department of Chemistry, BIT Mesra, with their students invented a “Recyclable Magnetic Hydrogels for remediation of dyes effluents” Over the last decades, industrialization, and urbanization have caused an increment in toxic contamination such as dyes in the water sources. Dyes are used in the textile industry as a colorant. Dyes have carcinogenic properties as they contain an aromatic amine in their structure, the presence of an aromatic structure makes it resistant to natural degradation. The removal of such dye from water resources is required in the context of environmental remediation. The current work aimed to an eco-friendly method to synthesize magnetic hydrogel for the effective removal of dyes from polluted water. The magnetic nanoparticles are prepared by co-precipitation of iron salts followed by surface modification with polysaccharide grafted with a monomer, crosslinker using ceric ammonium nitrate as an initiator was synthesized. The magnetic hydrogel was used as an efficient adsorbent for the removal of dyes from an aqueous solution. Analysis of magnetic hydrogel properties such as its magnetic property, swelling behavior, thermal properties and other characterization was done. (Department of Chemistry, BIT Mesra)
4. Dr. Sumit Mishra, Department of Chemistry, BIT Mesra, with their students developed “Synthesis of polysaccharide hydrogel beads for heavy metal remediation” Rapid globalization and industrialization have led to the discharge of various pollutants in the water which causes severe water pollution. Discharge of wastewater from industries, agriculture, pharmaceutical industries lead to the accumulation of pollutants like heavy metals, antibiotics which cause major environmental impacts vulnerable to human health and aquatic life. In the present work, we describe the synthesis of polysaccharide hydrogel beads by using a green chemistry approach. The beads were then explored for the selective removal of Cr(VI) from water. Department of Chemistry, BIT Mesra)





5. Dr. Sanjaya Shankar Tripathy, Department of ECE, BIT Mesra Ranchi has developed the innovative product ESP32 MICROCONTROLLER. The ESP32 is a low cost-power dual-core micro-controller that integrated Wi-Fi and Bluetooth connectivity. It was developed by Espresso system and is widely used in IoT (Internet of things) applications, home automation, robotics and other projects that require wireless communication.



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



- The Smart India Hackathon is a national effort that gives students a forum to address some of the most serious issues we encounter on a daily basis, fostering a culture of product innovation and a problem-solving attitude. It's an open forum for the entrepreneurs and innovators of future to begin working towards a smarter India.
- The Hackathon Award-23 shortlisted Team under the **Internal Hackathon for KAVACH (Cyber Security Hackathon) for 2023.**

SL No.	Team Name	PS No	Rank
1	CS Geeks	KVH013	1
2	Mahesh	KVH009	2
3	Nazar Raksha Kavach	KVH001	3
4	Nari Shakti	KVH001	4
5	Variables	KVH003	5
6	Project Argus	KVH009	6
7	Data Detectives	KVH009	7
8	Varutr	KVH001	8

## IIC- Various Activities

**August 2022 to September 2023**

Sl No.	Description	Total
1	<b>IIC Webinar, Workshop &amp; Event Conducted</b>	<b>50</b>

Sl No.	Name of The Event	Date	Evidence
<b>Webinar</b>			
1	<p style="text-align: center;">Seminar on <b>“Data Analytics and impact of financial process &amp; Control”</b></p> <p style="text-align: center;"><b>Resource Person:</b> <b>Ms. Manya Gaurav</b> Sales Operation Analyst Qualcomm Inc-USA.</p>	20.08.22 (Online)	
2	<p style="text-align: center;">Seminar on <b>“5 Hacks for college entrepreneurs”</b></p> <p style="text-align: center;"><b>Resource Person:</b> <b>Mr. Atul Singhal</b> Co-Founder &amp; CEO of CUVETTE</p>	05.11.22 (Seminar Hall-1 R&D Building, BIT Mesra Ranchi)	

3	<p>Seminar on</p> <p><b>“YOU CAN INVENT”</b></p> <p><b>Resource Person:</b></p> <p><b>Mr. Praveen Vettiyattil</b> CEO, YCI Technologies Pvt. Ltd Thrissur, Kerala <i>(MS from University of Southern California, USA)</i></p>	29.12.22 (online)	
4	<p>Seminar on</p> <p><b>“Achieving Problem Solution &amp; Product Market Fit Through Intellectual Property”</b></p> <p><b>Resource Person:</b></p> <p><b>Mr. Vedant Pujari,</b> Accures Legal (Founding Partner) New Delhi.</p>	27.01.23 Seminar Hall-1 R&D Building, BIT Mesra Ranchi	
5	<p>Seminar on</p> <p><b>“College life at and after university”</b></p> <p><b>Resource Person:</b></p> <p><b>Mr. Rishabh Jain</b> CEO &amp; Co-Founder of Labour Law Advisor</p>	28.01.23 CAT Hall BIT Mesra	




6	<p>Seminar on <b>The perfect Recipe for an Entrepreneur</b></p> <p><b>Resource Person:</b> <b>Mr. Anmol Sharma</b> Founder and CEO at <b>Finlight</b>, simplifying finance, business, and investment</p>	<p>29.01.2023</p> <p>CAT Hall BIT Mesra</p>	
7	<p>Seminar on <b>Aspirant to Administrator: Journey of an IAS</b></p> <p><b>Resource Person:</b> <b>Mr. Aditya Ranjan,</b> IAS Alumnus of CSE, BIT Mesra</p>	<p>29.01.2023</p> <p>Seminar Hall-1 R&amp;D Building, BIT Mesra Ranchi</p>	
8	<p>Seminar on <b>“Innovation and Product Development through Design Thinking”</b></p> <p><b>Resource Person:</b> <b>Mr. Srinivas Chamarth</b> Chief Innovation Executive &amp; MD at CYME Automation System private Ltd.</p>	<p>03.04.2023 in Seminar Hall -1 R&amp;D Building BIT Mesra</p>	






9	<p>Workshop on <b>Intellectual Property Rights (IPRS)</b> <b>Dr. Ashoke Sharon</b> Professor &amp; Head, Chemistry Department &amp; IPR Convenor of BIT Mesra</p>	<p>27.05.23 Seminar Hall-1</p>	 <p><b>Birla Institute of Technology Mesra Ranchi</b> <b>Workshop on INTELLECTUAL PROPERTY RIGHTS (IPRS)</b> Dr. Ashoke Sharon 27th May 2023 Seminar Hall-1 R&amp;D Building, BIT Mesra Ranchi Time : 10.30 am onwards</p>
10	<p>Seminar on <b>“Promoting Research &amp; Innovation in the Contemporary Times”</b> Resource Person: <b>Prof. Sivaji Chakravorti</b> Vice-President, Indian National Academy of Engineering, New Delhi &amp; Professor, Electrical Engineering Department, Jadavpur University, Kolkata</p>	<p>27.06.23 CAT Hall BIT Mesra</p>	 <p><b>Birla Institute of Technology Mesra Ranchi</b> <b>SEMINAR ON “Promoting Research &amp; Innovation in the Contemporary Times”</b> 27th June 2023 Time : 10:00 AM Prof. Sivaji Chakravorti Vice-President Indian National Academy of Engineering, New Delhi CAT Hall- BIT Mesra Ranchi</p>
11	<p>Seminar on <b>Entrepreneurship &amp; Nation Development: Role of BIT</b> Resource Person: <b>Dr. C. Jeganathan</b> Prof. &amp; Dean, RIE &amp; President, IIC BIT Mesra Ranchi</p>	<p>06.09.23 G.P. Birla Auditorium, BIT Mesra Ranchi.</p>	 <p><b>Birla Institute of Technology Mesra, Ranchi-835215</b> <b>Seminar on ENTREPRENEURSHIP &amp; NATION DEVELOPMENT : ROLE OF BIT</b> 8th September 2023 Time : 4:30 PM- 8.30PM C. JEGANATHAN Prof. &amp; Dean, RIE BIT Mesra Ranchi VENUE: G. P. BIRLA AUDITORIUM, BIT MESRA RANCHI</p>
12	<p>Seminar on <b>Environmental Sustainability in Indian Context</b> Resource Person: <b>Dr. Kirti Avishek</b> Associate Prof. &amp; Associate Dean, Faculty Affairs</p>	<p>19.09.23 G.P. Birla Auditorium, BIT Mesra Ranchi.</p>	 <p><b>BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI</b> <b>Seminar on “Environmental Sustainability in Indian Context”</b> 19TH SEP 2023 Dr. Kirti Avishek Associate Professor &amp; Associate Dean, Faculty Affairs, BIT Mesra Ranchi TIME : 4:00PM VENUE: G. P. BIRLA AUDITORIUM, BIT MESRA, RANCHI</p>

# IIC-EVENT


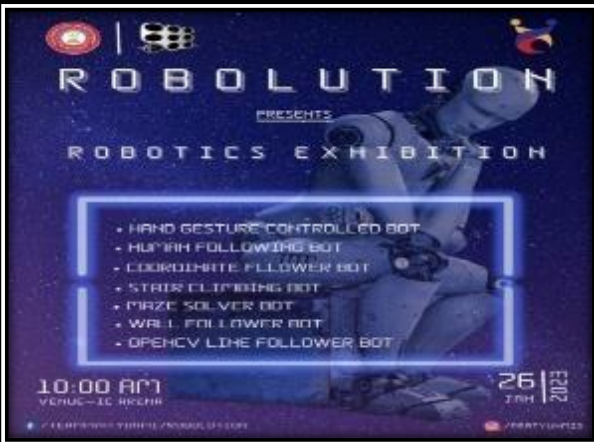

13	<p align="center"><b>Poster Exhibition</b></p> <p align="center"><b>Institution's Innovation Council Regional Meet At Kolkata</b></p>	2nd August 2022	
14	<p align="center"><b>IIC-Essay Writing Competition</b> on <b>“Innovations and Entrepreneurship in Higher Education Institutes”</b></p>	16.08.22 Seminar Hall-1	
15	<p align="center"><b>Azadi ka Amrit Mahotsav Poster Competition</b></p> <p align="center">Achievement@75 Research Innovation and Entrepreneurial excellence of Independent India.</p>	17.08.22	

<p>16</p>	<p><b>IIC “Patriotic Song Competition”</b></p> <p>AtmaNirbhar Bharat &amp; Celebrating 75 years of Independence</p>	<p>17.08.22</p>	 <p>The poster features the Indian national flag at the top. It includes logos for Azadi Ka Amrit Mahotsav, Institution's Innovation Council, and BIT Mesra. The main text reads: 'ATMANIRBHAR BHARAT &amp; CELEBRATING 75 YEARS OF INDEPENDENCE - KASAM PATRIOTIC SONG COMPETITION 17TH AUGUST, 2022 5:30PM .CAT HALL'. It also mentions 'ONLINE AUDITION 15TH AUGUST, 2022 6:00PM-8:00PM' and provides contact information: 'CONTACT: HODHINA@WA-BR@BITM02015, ARIYAN_0340666732'.</p>
<p>17</p>	<p><b>IIC-Slogan Competition</b></p> <p>AtmaNirbhar Bharat &amp; Celebrating 75 years of Independence</p>	<p>17.08.22</p>	 <p>The poster has a colorful background with the Indian national flag. It features logos for Azadi Ka Amrit Mahotsav, Institution's Innovation Council, and BIT Mesra. The text includes: 'Slogans like these have been part of our life from very long time. To celebrate the Azadi Ka Amrit Mahotsav along with the journey of Innovation in India, Institution Innovation Council, BIT of Technology, Mesra Invites All the Faculty Members and Students to participate in Slogan Competition To celebrate Innovation &amp; Entrepreneurship in IIEIs for Atmanirbhar Bharat &amp; Celebrating 75 years of Independence'. It provides a registration link: 'https://docs.google.com/forms/d/e/1FAIpQL56G3W4e-DQe5552xasb5037X4T5-odkoo0-3Ww3xst5314pufE732/entrydata', the date 'Wednesday, August 17, 2022' from 9:30 PM to 3:00 PM, and the venue 'Seminar Hall III, R &amp; D Building, BIT Mesra, Ranchi'.</p>
<p>18</p>	<p><b>“Business Plan Competition”</b> on occasion of <b>“World Entrepreneurs Day”</b></p> <p>15 Teams Registered</p>	<p>21<sup>st</sup>&amp; 22<sup>nd</sup> August 2022</p>	 <p>The poster has a dark background with a QR code. It features logos for Azadi Ka Amrit Mahotsav, Finance Club, and Institution's Innovation Council. The text reads: 'INSTITUTION'S INNOVATION COUNCIL PRESENTS BUSINESS PLAN COMPETITION-2022 ON THE OCCASION OF "World Entrepreneurs Day" Cash Prize up to 1.5 lakhs'. It includes a 'NOTE' that 'PRESENTATION WILL BE CONDUCTED IN HYBRID MODE', the venue 'CAT HALL', and the dates '21<sup>st</sup> &amp; 22<sup>nd</sup> AUGUST 2022' from 10 AM. The registration deadline is '19<sup>th</sup> AUGUST 2022'. It ends with 'Join Us And Gather For This Consequential Occasion'.</p>






19	<p><b>“Colloquium of Development Entrepreneurship”</b></p> <p>The Buddha Institute, New Delhi along with RCRC joint initiative of BIT, Mesra, under Institute’s Innovation council BIT Mesra and coordinated by EDC &amp; Finance Club</p>	24.09.2022	 <p>The poster features the title 'Colloquium on Development Entrepreneurship' at the top, followed by the date '24th September 2022' and the venue 'CAT Auditorium, BIT Mesra, Ranchi'. Below this, it mentions 'Community Managed Silk-Based Development Enterprise' and its purpose: 'for Greater Social Impact under the RESHAM Project of JSRPS, GoI (A Tasar Value Chain Initiative)'. The bottom section lists organizers: 'Organized by' followed by logos for BIT Mesra, RCRC, Finance Club, and Buddha Institute.</p>
20	<p><b>INVESTOR’S HAT</b></p> <p>The participants have been allocated some virtual money and the teams and some candlestick patterns of random companies will be shown without telling the name of the company. The participating teams have to make judgments on the basis of candlestick patterns and make maximum profit</p>	16.10.22	 <p>The poster has a white background with the title 'INVESTOR’S HAT' in large, bold letters. It features a graphic of a hand holding a candlestick chart. At the bottom right, it provides event details: 'VENUE: LH, DATE: 16th OCT, TIME: 10:30AM-1:00PM, TEAM SIZE: 1-3'. There is also a QR code and the word 'PANTHEON' at the top right.</p>
21	<p><b>Sirf Excel 2.0</b></p> <p>It’s a case studies of the financial world eventcompetition.</p> <p>630 participants Registered</p>	17.10.22	 <p>The poster has a blue background with a central graphic of a pink and orange molecular structure. The title 'Sirf excel 2.0' is prominently displayed. At the bottom, it includes registration information: 'Register now' with a QR code, 'ROUND 1' (16 Oct), 'ROUND 2' (17 Oct), and 'TEAM SIZE 2-3'. The deadline is listed as 'DEADLINE : 13 Oct @ 11:59 PM'. Logos for BIT Mesra and Panttheon are visible at the top.</p>

22	<p><b>Media Care Event</b>  Conquer the world in this Capture the Flag Competition. This event will consist of a series of challenges that vary in their degree of difficulty, and that require participants to exercise different skill sets to solve.</p>	17.10.2022	
23	<p><b>Journalist Hour Event</b>  A journalism-based event with panel discussions, aiming to judge the participant's deduction of the same while upholding clarity and depth in their line of thought.</p>	16.10.22	
24	<p><b>Asta Di Autos</b>  Teams will be bidding for various segments of a car like chassis, brakes, wheels, engines, transmission etc.</p>	17.10.22	
25	<p><b>BIT NISHAN -22</b>  <b>An innovation Contest</b></p>	5.11.22	

26	<p>Workshop on <b>“Prime Minister Employment Generation Scheme” To Start your Own Business Through Technological Intervention”</b></p>	21.01.23	 <p>INSTITUTION'S INNOVATION COUNCIL, BIT MESRA in Collaboration with Khadi and Village Industries Commission (KVIC), Ministry of MSME, Government of India ORGANIZING <b>Workshop on</b> Prime Minister Employment Generation Scheme to start your Own Business Through Technological Intervention DATE 21/01/2023 GUEST OF HONOR MR. SANDEEP SONAWANE DIRECTOR KHADI AND VILLAGE INDUSTRIES COMMISSION (KVIC) TIME: 11:00 AM ONWARDS VENUE: SEMINAR HALL -1 RGD BUILDING, BIT MESRA RANCHI</p>
27	<p><b>Robotics Exhibition</b> The exhibition aimed to promote an innovative attitude and instill robotics temperament among the visitors and students of the college</p>	26.01.2023	 <p>ROBOLUTION PRESENTS ROBOTICS EXHIBITION • HAND GESTURE CONTROLLED BOT • HUMAN FOLLOWING BOT • COORDINATE FOLLOWER BOT • STAIR CLIMBING BOT • PIRZE SOLVER BOT • WALL FOLLOWER BOT • OPEHCV LINE FOLLOWER BOT 10:00 AM VENUE - EC BLOCK 26 JAN 2023 @BITMESRA</p>
28	<p><b>Technical Fest E-Summit ANCIENT ENTREPRENEUR</b></p>	27.01.2023	 <p>ANCIENT ENTREPRENEUR THAT'S MY SECRET CAPTAIN, I KNOW HISTORY REGISTER BY: 10<sup>th</sup> Jan PRIZES WORTH: 12K 1980 1990 2000 2010 2020 @bitmesra</p>






29	<p>One -Week Workshop On <b>Satellites Manufacturing</b> (Design Thinking, Critical thinking and Innovation Design)</p>	13/02/23 to 17/02/2023	
30	<p>Industrial Visit  <b>Pratik Multifilms Private Ltd.</b> Krishna Nagar Booti, Ranchi.</p>	25.02.23	
31	<p>A technical case study competition  “ENIGMA”-23</p>	03.03.2023	

32	<p>Workshop on <b>Innovation &amp; Entrepreneurship</b> (Outreach Program School/ Community)</p>	04.03.2023	
33	<p>A Case Study Competition <b>Behind The Stumps</b></p>	05.03.23	
34	<p>One-Day Work Shop on <b>“Struggles to Accomplishments -A Journey of Empowerment”</b></p>	22.03.2023	

35	<p>One day Experiential Learning Workshop on  <b>“Bi2I - Business Ideation to Implementation”</b></p>	25.03.2023	
36	<p><b>Internal Hackathon for KAVACH 2023</b></p>	1-2 April 2023	
37	<p>One–Day Workshop On  <b>"Intellectual Property Rights for Young Innovators"</b></p>	26.04.2023	
38	<p>Celebrates  <b>National Technology Day</b></p>	11.05.2023	



39	<p>One-Week Outreach Program on <b>Microelectronics &amp; VLSI Design(MVD-2023)</b></p>	15th –19th May, 2023	
40	<p>Celebrates <b>World's Environment Day</b></p>	05.06.2023	
41	<p>Innovation Contest <b>Innovation in Manufacturing Practices (IMP-23)</b> To provide a platform for engineering Undergraduate Students, Postgraduate Students and Startups/Ph.D Scholars to showcase their innovations in manufacturing sector and also demonstrate their innovative prototype product. This event Sponsored by INAE, New Delhi</p>	26.06.23	



<p>42</p>	<p><b>Poster Exhibition “Disruptive Science for Sustainable Development”</b></p> <p>This poster exhibition was inaugurated by His Excellency Shri C.P. Radhakrishnan, Honorable Governor of Jharkhand</p>	<p>15th July 2023.</p>	
<p>43</p>	<p><b>Seminar on Robotics, Tech &amp; Entrepreneurship</b></p> <p>Mr. Rohit Anand and Mr. Sanket Anand provided a transformative experience for participants, offering a glimpse into the future of technology and its intersection with entrepreneurship.</p>	<p>12<sup>st</sup> August 2023</p>	
<p>44</p>	<p><b>Independence Day Celebration Activities</b> (a) Painting competition (b) Dance and singing competition and (c) Extempore.</p>	<p>15<sup>th</sup> August, 2023</p>	
<p>45</p>	<p><b>ATL Mentee School Students Lab Visit by Institution's Innovation Council (IIC) BIT Mesra.</b></p> <p>i.e., DAV Gandhi Nagar Ranchi, DAV Hehal Ranchi &amp; Jawahar Navodaya Vidyalaya Mesra Ranchi</p>	<p>18th August 2023</p>	

<p>46</p>	<p style="text-align: center;"><b>Innovate-A-Thon Product Development</b></p> <p>To encourage participants to gain knowledge, solve real-world problems and shift their mindset from being a consumer to someone who is capable of developing a product.</p>	<p>19/08/23</p>	
<p>47</p>	<p style="text-align: center;"><b>World Entrepreneurship Day Startup Quiz competition</b></p> <p>Institution's Innovation Council BIT Mesra in collaboration with EDC organized Startup Quiz competition on the occasion of world Entrepreneurship Day.</p>	<p>21<sup>st</sup> August 2023.</p>	
<p>48</p>	<p style="text-align: center;"><b>VERVE'23</b></p> <p>Society for Industrial Management and Engineering, unfolded as a captivating and motivating event, leaving an indelible impact on all in attendance. The occasion, made possible through the generous sponsorship of Greeka Ranchi and Chanakya IAS, showcased a lineup of distinguished guest speakers who shared the invaluable insights.</p>	<p>25.08.23</p>	

49	<p><b>“Web 3.0 Technology and Opportunity of Startups in Blockchain Space”</b></p> <p><b>Mr. Abhishek Sagar</b>, the visionary CEO of Zuraverse;  <b>Mr. Arpan Mondal</b>, the trailblazing CEO of MegaVerse DeFi, and <b>Mr. Subham Surana</b>, the ingenious Founder of DEVs Dungeons.</p>	26 August 2023	
50	<p><b>Chandrayaan-3 Mahotsav Event organized</b></p> <p>Institution’s Innovation Council BIT Mesra Ranchi in collaboration with Rocketry and Space Engineering Department BIT Mesra Ranchi organized the <b>Chandrayan-3 Mahotsav</b> on 4<sup>th</sup>-8<sup>th</sup> September 2023 in the G.P. Birla Auditorium of BIT Mesra, Ranchi, Jharkhand.</p>	4 <sup>th</sup> - 8 <sup>th</sup> Sep 2023	



## Glimpse of IIC- BIT Events Details

# Institution's Innovation Council Regional Meet Poster Exhibition 2<sup>nd</sup> August 2022

Ministry of Education Innovation Cell & All India Council of Technical Education, New Delhi has organized an **Institution's Innovation Council Regional Meet** at Guru Nanak Institute of Technology, Kolkata on **2nd August 2022**.

Around 350 IIC Members from 115 Higher Education Institutions from Eastern Zone has participated for the Knowledge sharing part and the Innovation and Poster Exhibition. In this regional meet **BIT Mesra, Ranchi** has got one of the **Best Creative Posters** awards on their institution's innovation & Entrepreneurship Journey/Achievement.

We would like to give special thanks to the individual Track Speakers of the event and to the Gurunanak Institute of Technology for hosting during the event, and furthermore to the effective organizing teams of it who did outstanding work in organizing the event. In this event the following faculty members were presented their institution's innovation & Entrepreneurship Journey/Achievement.

1. Dr. Priyank Kumar - ARIIA Coordinator
2. Mr, Vishal H. Shah – EDC Coordinator
3. Dr. Anand Prasad Sinha - Co-Convenor IIC BIT Mesra
4. Dr. Dilip Kr Singh - IPR Activity Coordinator





## Inauguration



# Inaugural Session of the Regional Meet





# Registration & Poster Exhibition





## **IIC-Essay Writing Competition**

**16th August 2022**

IIC-Essay Writing Competition on “Innovations and Entrepreneurship in Higher Education Institutes” was organized by IIC BIT MESRA on 16th August 2022, in which a good number of faculty and students UG, PG and PhD were participated. Dr. Vijay Nath, Associate Professor, Dept. of ECE, was the Program Coordinator & IIC Member; Prof. C. Jeganathan, Dean-RIE & President IIC-BIT and Dr. K. S. Patnaik, Convenor IIC supported the program to make success. IIC-Essay Writing Competition on Innovations and Entrepreneurship present their views very nicely and expert team evaluated their writeup and three best candidates from UG, PG and PhD were awarded with Goodies and Certificates. All the participants get the participation certificate. Program was ended with Certificate Distribution Ceremony, group photographs and vote of thanks by Dr. Niraj Kumar Singh. All the participants photograph with certificates are attached herewith for a citation. List of registered and participated candidates are attached for kind information.

### **Essay Writing - Participants**



## Certificate Distribution Ceremony



**“Patriotic Song Competition”**  
**Atmanirbhar Bharat & Celebrating 75 years of Independence**  
**17.08.22**

Institution’s Innovation Council (IIC-BIT Mesra) organized a “**Patriotic Song Competition**” which was held on 17.08.22 in CAT Hall on the occasion of Atmanirbhar Bharat & Celebrating 75 years of Independence for BIT Mesra students and University of Polytechnics. In this “**Patriotic Song Competition**” “the total participant is 15 and some ward of faculty members has performed group dance in patriotic Song also.

List of Jury Members has mentioned below.

1. Dr. K. Sridhar Patnaik, Associate Dean (SA)
2. Dr. Richa Pande, Co-convener IIC BIT
3. Mr. Vishal H. Shah, Associate Dean, AIR
4. Mr. Mrinal Pathak , Assistant Professor & Music Teacher of BIT Mesra.



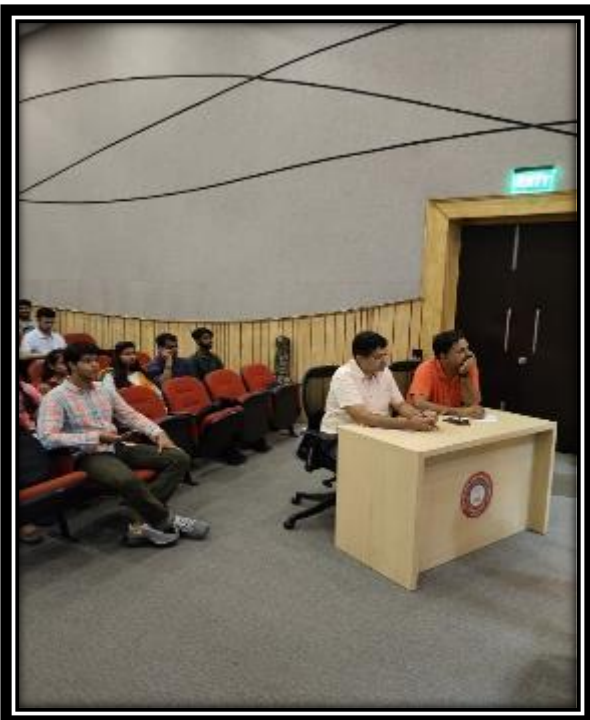
The poster features a large Indian national flag at the top. Below the flag, there are logos for '75 Azadi Ka Amrit Mahotsav', 'INSTITUTION'S INNOVATION COUNCIL (Member of IIBD Initiative)', and a circular logo of BIT Mesra. The main text reads: 'ATMANIRBHAR BHARAT & CELEBRATING 75 YEARS OF INDEPENDENCE - AKAM', 'PATRIOTIC SONG COMPETITION', '17TH AUGUST, 2022', '5:30PM .CAT HALL'. Below this, it says 'ONLINE AUDITION', '16TH AUGUST, 2022', '6:00PM-8:00PM'. At the bottom right, contact information is provided: 'CONTACT:: BODHISATWA-8910602015, ARYAN-8340686792'. A microphone icon is located at the bottom left, and a soundwave graphic is on the right side.



**Participant of Patriotic Song Competition -22**



**Judges & Audience**



**Group Dance & Prize Distribution**







## Slogan Competition

**17th August 2022**

The Institute's Innovation Council, BIT Mesra organized "Slogan Competition" on 17th August 2022 to honour the Azadi ka Amrit Mahotsav along with the journey of Innovation in India. The theme for this year was **Achievements@75: Research, Innovation and Entrepreneurial Excellence of Independent India**. The slogans were invited from the faculties and students to celebrate Innovation & Entrepreneurship in HEIs for Atmanirbhar Bharat & Celebrating 75 years of Independence. In Total, 16 entries were received out of which three winners each in Faculty and Student category were selected. Following were the entries which were received.

<b>Faculty Participant</b>
1. Innovation - Something new, something fun; it makes our lives easy and done Mr. Vishal Shah, ECE
2. Only a free soul radiates the spirit of innovation! Dr. Abhishek Naresh, CQEDS
3. हरघरसजेतिरंगाअपनापूराहोहरभारतवासीकासपना Dr. Rajeev Kumar, Mechanical Engineering
4. भारतकीपहचानबढेनवाचारहोशानबढेकलकाभारतबनेमहानहोजनजनमेंहिन्दुस्तान Dr. Richa Pandey, Mechanical Engineering
5. राष्ट्रोत्कर्षकास्वर्णिममाध्यमउन्नतशोधनवाचारऔरउद्दम Dr Anjana Dwivedi, Bioengineering and Biotechnology
6. [ "राधा, रमन, रामारत्नोंसेजड़ा, सत्यऔरसुन्दररहीयेयात्रा " ] राधा- सर्वपल्लीराधाकृष्णन (शिक्षाविद) रमन- चंद्रशेखरवेंकटरमन (भौतिकविद) रामा- श्रीनिवासरामानुजन (गणितज्ञ) रतन- रतनटाटा (उद्योगपति) सत्य- सत्यानडेला (सीईओ, माइक्रोसॉफ्ट) सुन्दर- सुन्दरपिचार्ड (सीईओ, गूगल) Dr Niraj Kumar Singh, Computer Science and Engineering
7. आजादीका 75 वांसांल, समृद्धभारततकनीकीबेमिसाल Mr. Mrinal Pathak, Architecture and Planning

<b>Students Participants</b>
1. सिरझूकाकेउनशहीदोंकोहैमेरानमन, जिनकेलिएखुदजानसेज्यादाथाप्याराउनकावतन   Mr. Ayush kumar, Mathematics and computing
2. Ab humne ye thana hai, Bharat ko swaccha banana hai. Mr. Sandeep Shriwastava, Mechanical Engineering
3. Iss maathi se mai hu banajispejanma se rinhaimera, mastakmerashaan se jhukatujhpe kyukijabhi tera naam liya ae bharat tab tabaayihashaan ki muskurahatmujhpe Mr. Srejan Nidhi, CQEDS



<p>4. teen rangon se sajতিরangahamaareeshanhai; Is maatr Bhoomi keliye hazaro jaan kurbanhai. ghoomaao koi bhidesh is jahan me. parantusabsepyaarahamarahindustan hai.</p> <p>Mr. Navneet Kumar, CQEDS</p>
<p>5. युवाओंमेंलहरआईहैइसकी, घर-घरहोअनुसंधान! विकासशीलसेविकसितबनेइसीसे, हमारादेशहिंदुस्तान!!</p> <p>Mr. Harsh Ranjan, CQEDS</p>
<p>6. Laaj narakhi azadi ka, Na sammanMahatmao ki, Jati,dharm se uparuthkarchalobataye, Sacchi azadi chahte he humdesh ki!</p> <p>Mr. Swapna Neel Paul, CQEDS</p>
<p>7. ऐवतनजबभीइसमाटीपेस्वतंत्रताकीवायुबेहतीहै, तबतबयेशीषदेशकेप्रतिनतमस्तकहो जाताहैं।</p> <p>Mr. Sahil Ritolia, CQEDS</p>
<p>8. Satrujiskeaage ho jaatehaiiDehr, wohjajbarkhtehaiibhartiye veer</p> <p>Mr. Gaurav Bhardwaj, CQEDS</p>
<p>9. Independence is achieved by many the sacrifice of many people, we can't disregard the freedom fighter's sacrifice.</p> <p>Mr. Shreyansh Srivastava, CQEDS</p>

Dean (RIE) and President IIC, Dr. C Jeganathan and Dean (SA), Dr. Bhaskar Karn distributed the certificates to the winners as well as to the participants. Dr. K Sridhar Patnaik, Convenor IIC, Dr. Praveen Srivastava has graced the occasion with their esteemed presence. Program coordinator Dr. Manish K Pandey has offered the vote of thanks.

### **Slogan Competition Prize Distribution**



## Slogan Competition





## **“Business Plan Competition 2022”**

**21st August 2022**

Institution’s Innovation Council (IIC-BIT Mesra) in collaboration with Entrepreneurship Development Cell (EDC) and Finance Club (FC) has organized a “**Business Plan Competition 2022**” on 21st August 2022 on the occasion of “**World Entrepreneurs Day**”. This business plan competition aims to identify the entrepreneurial bent of mind of BIT students in different domains of business and allied disciplines were presented their business idea plans. In this event the total 14 teams registered from BIT Mesra and off campuses. All the teams were presented their business plan idea and after that 6 teams were qualified for the next round the coming event i.e. “BIT NIHSAN” it’s a technology innovation context and its kind to provide seed funding to home startups. Students from Mesra and Lalpur presented their pitches in offline mode while participants from other campuses joined online to share their ideas. The Inauguration program kickstarted at 10.am 21.08.22. The hosts for the ceremony were the students’ coordinators who welcomed the dignitaries. Mr. Vishal H. Shah, Faculty Advisor of EDC briefed about the competition to the audience. Dr. K. Shridhar Patnaik, Associate Dean (SA) & Convener of IIC-BIT addressed the important of this Business event competition followed by Dr. Bhaskar Karan, Dean of Student Affairs who motivated the participants to take part in the event. The vote of thanks given by Dr. Anand Prasad Sinha, Co-Convener (IIC-BIT) and faculty advisor Finance Club conveyed the closing remarks in the ceremony and thanked all the participants as well as the panel of judges too.

List of Jury Members as Mentioned below.

1. Prof. Vinay Sharma
2. Prof. Ashok Sharon
3. Dr. Abhijit Mustafi
4. Dr. Manish Pande
5. Dr. Dilip Kumar Singh

Following teams were selected to participate in “BIT NISHAN-22”

Team 5 :Elyvate

Team 6: Wheel Rover

Team 8: Beverage Truck

Team 9: Venture Labs

Team 10: Housekeeping Hygiene Solution

Team 11: Kards



## Business Plan Competition -22



INSTITUTION'S INNOVATION COUNCIL PRESENTS.

# BUSINESS PLAN COMPETITION -2022

ON THE OCCASION OF  
"World Entrepreneurs Day"  
Cash Prize up to  
**1.5 lakhs**

**NOTE**  
PRESENTATION WILL BE CONDUCTED IN HYBRID MODE

**VENUE - CAT HALL**

<b>21ST &amp; 22ND AUGUST 2022</b>	<b>10 AM</b>
--	------------------

**REGISTRATION DEADLINE  
19TH AUGUST 2022**

*Join Us* And Gather For This Consequential Occasion

QR Code

Finance Club BIRMA  
ENTREPRENEURSHIP DEVELOPMENT CELL  
RGT AMPARA  
www.rgtbirmara.edu

CONTACTS:  
KUSHA - 9476311020  
TANMVA - 9760095500

Reg. link - <http://bit.ly/BUSINESSPLANCOMPETITION-22>

Instagram: @financeclub\_birma, @rghbirmara

### Panel of Judges

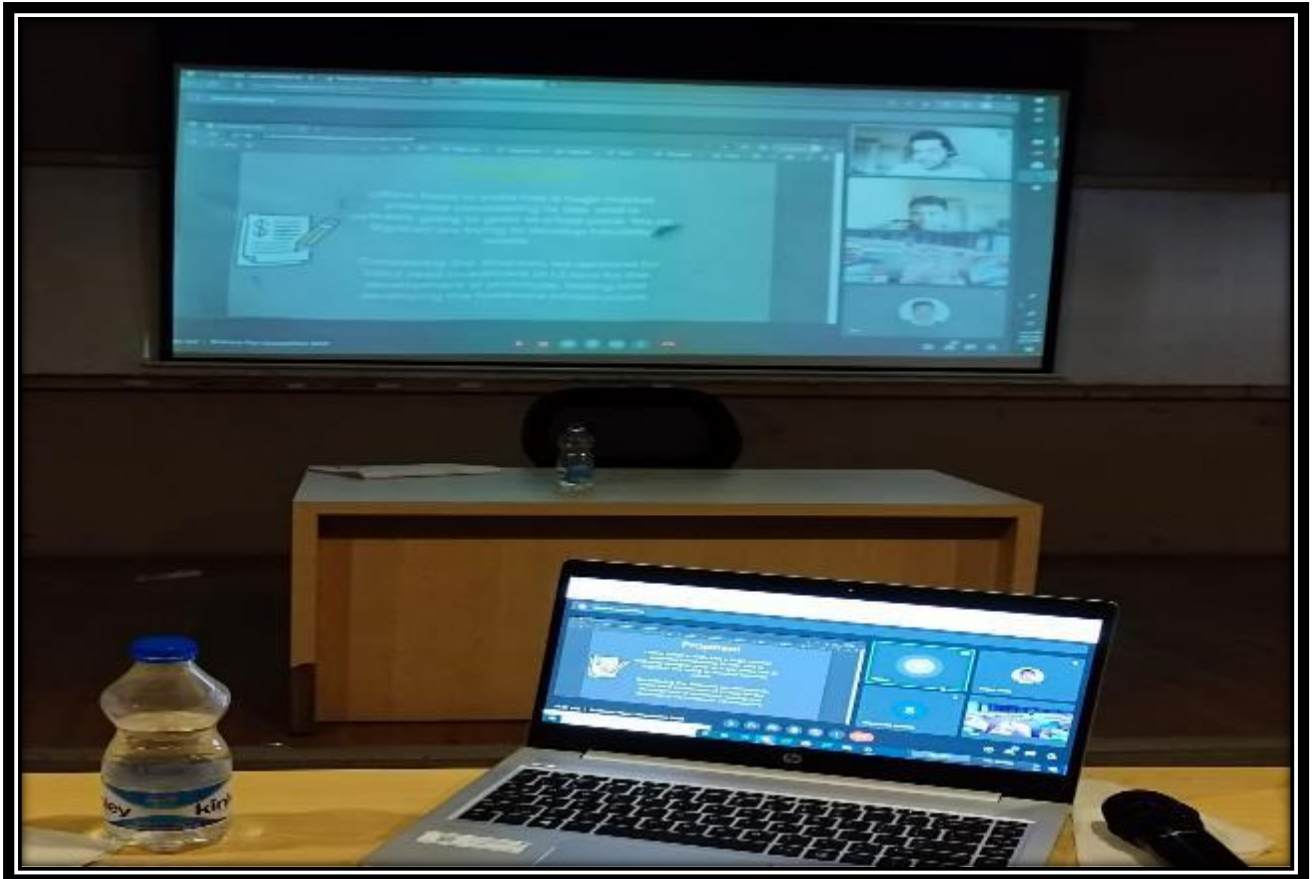




**Business Plan Idea Presentation by Students**







## Prize Distribution Ceremony





## Workshop on “Colloquium of Development Entrepreneurship” 24th September 2022

The Buddha Institute, New Delhi along with RCRC joint initiative of BIT, Mesra, under Institute’s Innovation council BIT Mesra and coordinated by EDC & Finance Club organized an event “COLLOQUIUM OF DEVELOPMENT ENTREPRENEURSHIP” on 24th September 2022. The Inauguration program kickstarted at 10.00am in the BIT CAT Hall. The hosts for the ceremony were the students’ coordinators who welcomed the dignitaries present in the ceremony and the presented with bouquets. In this event the Guest of Honor, Ms. Nancy Sahay, IAS, DC-Hazaribagh, Prof (Dr.) Kunal Mukhopadhyay Dean (DoFA) - Chair of the Event, Dr. C. Jeganathan, Dean (RIE), Mr. Vishal H. Shah, Dr. Anand Pd Sinha, Faculty advisor (EDC & Finance Club) and Hitendra Singh TBI the Buddha Institute, New Delhi.

This event was successful to sensitize the students and provide them with an opportunity to understand how better examples of social impact are performing around them and contributing to the inclusive growth of the nation and to equip the students with knowledge that could help them to represent confidently while negotiating a career. This initiative aims at reaching out to around 10,000 students from the top 50 educational institutes across India. The Interactive campus event in BIT Mesra 2022 was tailored with the aim of increasing engagement among the students of BIT Mesra around the question of social justice and the elimination of rural poverty. • The vote of thanks given by Ayshi and Anudeep conveyed the closing remarks in the ceremony and thanked all the participants as well as the special guest and faculty of BIT Mesra.

**Colloquium on Development Entrepreneurship**  
24th September 2022  
CAT Auditorium, BIT Mesra, Ranchi

**Community Managed Silk-Based Development Enterprise**  
for Greater Social Impact under the **RESHAM** Project of JSLPS, GoI  
(A Tasar Value Chain Initiative)

Organized by

Logos: BIT Mesra, INSTITUTIONS INNOVATION COUNCIL BIT MESRA, RANCHI, ENTREPRENEURSHIP DEVELOPMENT CELL BIT MESRA, RANCHI, FINANCE CLUB, RCRC, buddha INSTITUTE

**Guest of Honor, Ms. Nancy Sahay, IAS, DC-Hazaribagh**



## **BIT-NISHAN-22**

**Innovation Contest**

**5th Nov 2022**

Institute's Innovation Council, BIT Mesra Ranchi in collaboration with Entrepreneurship Development Cell (EDC) and Finance Club (FC) has conducted its annual an Innovation Contest named as BIT-NISHAN-22. On the occasion of "World Entrepreneurs Day" IIC-BIT organized a "Business Plan Competition", it's a Pre-Qualifier event of BIT NISHAN-22. In Business Plan Competition total 15 teams were registered from BIT Mesra and its off campuses & University Polytechnic and after that 6 teams got qualified for the next final round of "BIT NIHSAN-22" which is held on 5th Nov 2022 in Seminar Hall-2, R&D Building, BIT Mesra, Ranchi. These 6 teams were given a Cash Prize of Rs. 10,000 to jump-start their work and present a prototype product in the final round of BIT NISHAN-22. In this event all 6 teams presented their prototype product and 4 teams got the seed money of Rs. 1 lakh to start their work as an entrepreneur.



The poster for BIT NISHAN-22 Innovation Contest features a dark blue background with orange and white geometric shapes. At the top left, it lists the Entrepreneurship Development Cell (EDC) at BIT Mesra, Ranchi, with the website www.edcbitmesra.in. To the right are the logos for the Institution's Innovation Council (IIC) and the Finance Club. The central text reads "Present BIT NISHAN-22" in large white letters, with the tagline "NO BRIGHT IDEA SHOULD GO UNNOTICED" below it. Further down, it states "IIC -BIT initiative to provide seed funding to the early-stage startups by students and faculty Members of BIT Mesra and Its off -Campuses". The event date and time are "5th Nov 2022" and "Time : 10:00 AM". The location is "R&D Building, Seminar Hall 2, BIT Mesra, Ranchi". Social media handles for financeclub\_bitm and edcbitmesra are provided at the bottom left.

The event was inaugurated by Mr. Vishal H. Shah ,Faculty Advisor (EDC) , Dr. C. Jeganathan, Dean RIE & President at IIC-BIT, Dr Kunal Mukhopadhyay Dean, Faculty Affaire, DR Bhaskar Karn, Dean, Students Affaire & Vice President at IIC BIT , DR. K Sridhar Patnaik Associate Dean, Associate dean and Convenor , IIC-BIT it was followed by a special Address and planetary talk on the topic : " 5 hacks for college entrepreneurs" by MR Atul Singhal CEO and Co-founder at Cuvette a company specializing in quality internships and jobs for college students. It was followed by a vote of thanks by Dr Anand Pd. Sinha Co-Convenor, IIC & Faculty Advisor at Finance Club. The judges of this BIT NISHAN-22, Dr. Vinay Sharma, Dr. Ashok Sharon, Dr.



Chatterjee and Mr. Atul Singhal. In the valedictory session Dr. Rohini Jha has given a vote of thanks.

**All Six teams pitching session name has mentioned below.**

Team: Elyvate, BIT Mesra

Team: Wheel Rover, Department of Management, BIT Mesra

Team : Beverage Truck,BIT Lalpur

Team: Venture Labs,BIT Mesra

Team : Housekeeping Hygiene Solution, University Polytechnic, BIT Mesra

Team :Kards, BIT Mesra

The final 4 teams were selected for BIT NISHAN-22 i.e.

- **Wheel Rover, Dept. of Management, BIT Mesra**
- **Venture Labs, Mechanical Dept. BIT Mesra**
- **Housekeeping Hygiene Solution, University Polytechnic, BIT Mesra**
- **Kards, ECE Dept. BIT Mesra.**

All the 4 teams from IIC BIT Mesra will receive 1 lakh rupees each team for start their work as an entrepreneur.

Sl No .	Event Name & Date	Social Media Link Name	Event Social Media Link
1	BIT NISHAN-22 : Innovation Contest	Finance Club LinkedIn	<a href="https://www.linkedin.com/company/financeclubbit/posts/?feedView=all">https://www.linkedin.com/company/financeclubbit/posts/?feedView=all</a>
		BIT Mesra Website (IIC Heading)	<a href="https://bitmesra.ac.in/Visit_Other_Department_9910?cid=1&amp;deptid=424&amp;pid=349">https://bitmesra.ac.in/Visit_Other_Department_9910?cid=1&amp;deptid=424&amp;pid=349</a>
		BIT Facebook	<a href="https://m.facebook.com/story.php?story_fbid=fbid02HE28mc4NYPhxZZZK2U6sHA6KSJS5TZ3FaopaCEZ4sSDvk9hi3LxJEUQ5GpLnD4k5l&amp;id=100069531406536&amp;mibextid=Nif5oz">https://m.facebook.com/story.php?story_fbid=fbid02HE28mc4NYPhxZZZK2U6sHA6KSJS5TZ3FaopaCEZ4sSDvk9hi3LxJEUQ5GpLnD4k5l&amp;id=100069531406536&amp;mibextid=Nif5oz</a>



**BIT NISHAN – PIC Glimpse**





## **5 Hacks for College Entrepreneurs**

Institute’s Innovation Council, BIT Mesra Ranchi in collaboration with Entrepreneurship Development Cell (EDC) and Finance Club (FC) has conducted its annual an Innovation Contest named as BIT-NISHAN-22 on 5<sup>th</sup> Nov 2022. Before starting the event Mr. [Atul Singhal](#) ,Co-Founder & CEO of CUVETTE delivered the session “5 hacks for college entrepreneurs” and also talked about the story of Successful Entrepreneur and how to Start-up from college and how students can spend productive time in college and find their interests/passion. CUVETTE is a platform that connects Indian students with global startups to give them the right exposure. CUVETTE have 3500+ partner companies from India, USA & Singapore, and more than 1 lakh college students trust Cuvette to connect with startups. Mr. [Atul Singhal](#) graduated from IIT Kharagpur in 2020 and started his startup Cuvette in his final years. He has also been a visiting researcher in Belgium and has worked on building various products involving Hyperspectral imaging, Digital Signal processing, etc. In this session more than 50 students and 12 faculty members were present.





## Seminar on YOU CAN INVENT

**29<sup>th</sup> Dec 2022**

Institute's Innovation Council, BIT Mesra Ranchi organized an invited seminar "YOU CAN INVENT" a motivational session by successful innovators by Mr. Praveen Vettiyattil, CEO, YCI Technologies Pvt.Ltd Thrissur, Kerala and (MS from University of Southern California, USA) on 29<sup>th</sup> Dec 2022. This talk was organized with aim to motivate young minds and research scholars of our institute towards innovation and product development. In his talk, mentioned about the famous inventors of India whose inventions have resulted in generating million-dollar companies and revenues such as Dr. Sunita Mitra, Dr. Mridula Nair, Dr Ayay Bhatt (contributed to the area of USB and Pen-drive technology), Amar Bose and so on. Mr. Praveen also mentioned about the Indian heritage of innovators from ancient times such as great mathematicians like Madhava, Bhaskara and so on. Mr. Praveen showed the videos of some of his own inventions such flood barrier system, pedal powered water lifting machine with backstop. The speaker also mentioned that what are the key areas where young students and innovators can apply their new ideas. He recommended inventions related to farmers or normal household items can be more successful as compared to the efforts put by new innovators in the field of already established sectors like automobiles, defence sectors or even nuclear energy.

The poster is for a seminar titled "YOU CAN INVENT" at Birla Institute of Technology, Mesra Ranchi. It features a circular photo of Praveen Vettiyattil speaking at a podium. The text includes the title, speaker's name, and affiliation (CEO, YCI Technologies Pvt. Ltd, Thrissur, Kerala, and MS from University of Southern California, USA). It also provides the date (29 Dec 2022), time (7 PM to 7.45 PM), and platform (MSTEAM). Logos for Birla Institute of Technology and the Institution's Innovation Council are present at the top. A QR code and a link (https://bit.ly/YouCanInvent) are located at the bottom right.

**BIRLA INSTITUTE OF TECHNOLOGY  
MESRA RANCHI**

**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education, India)

**TITLE OF TALK  
YOU CAN INVENT**

**MOTIVATIONAL SESSION BY SUCCESSFUL  
INNOVATORS**

**PRAVEEN VETTIYATTIL**

**CEO, YCI TECHNOLOGIES PVT. LTD  
THRISSUR, KERALA  
&  
MS FROM UNIVERSITY OF SOUTHERN CALIFORNIA, USA**

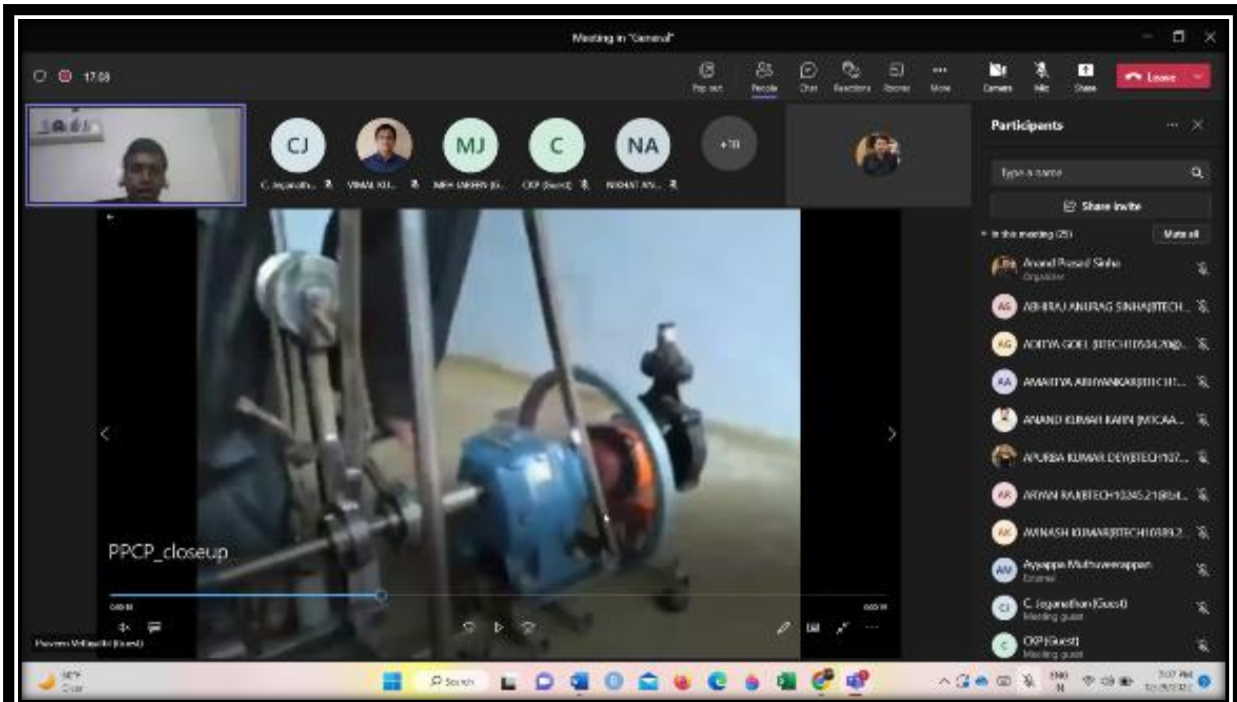
**DATE: 29 DEC 2022  
TIME : 7 PM TO 7.45 PM  
PLATFORM: MSTEAM**

Link : <https://bit.ly/YouCanInvent>

This talk was attended by near 36 participants online. The talk was organized by Dr. Vimal Kumar Singh Yadav (IIC- Member and Assistant Professor, ECE, BIT Mesra) with key support from Prof. C. Jeganathan (Dean Research, Innovation and Entrepreneurship, and President, IIC-BIT Mesra), Dr. Anand P. Sinha (Co-Convenor, IIC), Dr. K. Sridhar Patnaik (Convenor, IIC).











**Workshop on**  
**“Prime Minister Employment Generation Scheme**  
**To Start your Own Business Through Technological Intervention”**  
**21.01.23**



The poster features a header with logos for BIT Mesra, Entrepreneurship Development Cell, Finance Club, Unnat Bharat Abhiyan, G20, and the Government of India. The main text reads: 'INSTITUTION'S INNOVATION COUNCIL, BIT MESRA in Collaboration with Khadi and Village Industries Commission (KVIC), Ministry of MSME, Government of India ORGANIZING Workshop on Prime Minister Employment Generation Scheme to start your Own Business Through Technological Intervention'. It lists the date as 21/01/2023, the guest of honor as Mr. Sandeep Sonawane, Director of KVIC, and the venue as Seminar Hall -1 R&D Building, BIT Mesra Ranchi.

The Khadi and Village Industries Commission (KVIC), Ministry of MSME, Government of India, in Collaboration with Institution’s Innovation Council BIT Mesra, Ranchi and coordinated by EDC, Finance Club & Unnat Bharat Abhiyan is organized a workshop on **“Prime Minister Employment Generation Scheme to Start your Own Business Through Technological Intervention”** on 21.01.2023 at seminar hall-1 R&D building BIT Mesra Ranchi. The workshop was inaugurated by Prof. (Dr.) Kunal Mukhopadhyay, Dean faculty Affairs, BIT Mesra and warm welcoming address was given by Dr. Anand Prasad Sinha, Co-Convenor, IIC BIT & Faculty Advisor, Finance Club. After the welcoming address, Dr Rajeev Kumar, Organizing Secretary, briefly introduced & importance of workshop. Dr. K Sridhar Patnaik Convenor IIC-BIT talk about the technology innovation and entrepreneurship followed by Dr. C Jeganathan, Dean RIE and President (IIC) (IIC-BIT). The Chief Guest of this workshop is Mr. Sandeep Sonawane, Director, Khadi and Village Industries Commission (KVIC). The objective of this workshop to generate continuous and sustainable employment opportunities in Rural and Urban areas of the country through setting up of new self-employment ventures / projects / micro enterprises. The vote of thanks given by Dr. Richa Pandey conveyed the closing remarks in this workshop and thanked all the dignitaries and faculty of BIT Mesra & students. The total participant in this workshop more than 75 + students were present.

**Chief Guest - Mr. Sandeep Sonawane, Director,  
Khadi and Village Industries Commission (KVIC).**





## **Robotics Exhibition**

**26.01.2023**

Robots are going to be a major part of the world economy, helping people in doing repetitive tasks, solving complex problems and exploring hard to reach and dangerous places. Following this trend Robolution, the official *robotics club with collaboration with Institution's Innovation Council*, BIT Mesra, Ranchi presented a *Robotics Exhibition on 26<sup>th</sup> January, 2023*. The exhibition aimed to promote an innovative attitude and install robotics temperament among the visitors and students of the college. The exhibition witnessed presence of more than 70 people including Prof. Indranil Manna, Vice Chancellor, BIT Mesra and Chief Mentor IIC, Prof. C. Jeganathan, Dean RIE & President IIC, Dr. Bhaskar Karn, Dean (SA) & Vice-President IIC, Lt. Col. Praveen Thakur, Commanding Officer, Jharkhand CTC, NCC and many others.

The exhibition showcased different Robots having a perfect amalgamation of both hardware and software which can be used in industries, restaurants, hospitals, battlefields etc. A Wall follower robot was showcased which can be used to move goods in industries and hospitals by following a wall. A human Follower Robot which follows a person by detecting him/her was also shown. This robot can be used as an assistant to carry important accessories for soldiers. A Hand Gesture Controlled Robot was made that allows the movement of a vehicle by reading movements of hand. This project & exhibition can be used to make vehicles which can be controlled by soldiers on the battlefield.





**Products Description by Students to Prof. Indranil Manna, Vice-Chancellor, BIT Mesra**



**Products Display**











**Seminar on**  
**“Achieving Problem Solution & Product Market Fit**  
**Through Intellectual Property”**  
**27.01.2023**

**INSTITUTION'S INNOVATION COUNCIL**  
**FINANCE CLUB**

*A Session on*  
**Achieving Problem Solution & Product Market Fit Through Intellectual Property**

**Topics to be discussed**

- IP AWARENESS WITH A FOCUS ON PATENTS.
- DEVELOPING IDEAS FROM A PATENT POINT OF VIEW.
- IMPORTANT STEPS POST IDEA GENERATION.
- RIGHTS OF THE APPLICANT VS. INVENTORS.
- IP CELL CREATION FOR IDEA GENERATION AND SECURING IP ASSETS FOR THE UNIVERSITY AND INNOVATORS.
- INCLUSION OF INVENTOR'S NAMES ON PATENT GRANT CERTIFICATE.
- QUESTION & ANSWER SESSION.

**MR VEDANT PUJARI**  
**Accures Legal**  
Founding Partner

DATE: 27/01/2023  
TIME: 3:30 PM  
R&D SEMINAR HALL-I

CONTACT US  
**8905002991**  
**7761932485**

@FINANCECLUB\_BITM [WWW.ACCURESLEGAL.COM](http://WWW.ACCURESLEGAL.COM)

Institution's Innovation Council, BIT Mesra Ranchi in collaboration with Finance Club (FC) BIT Mesra and IPR cell organized an offline seminar on “***Achieving Problem Solution & Product Market Fit Through Intellectual Property Right***” on 27.01.23 in Seminar Hall 1 R&D building, BIT Mesra Ranchi. The Gust of this session was Mr. Vedant Pujari, Accures Legal (Founding Partner) New Delhi. The main focus of this session is encouraging to protect our research and innovation through IP/Patent. In this Session Mr. Vedant Pujari has discussed various aspects of IPR, converting Idea to Patent, Patent Rights and many other aspects related to patenting and help to assist us on the Patent related matter and specifically, how we can expedite this process also. A warm welcoming address was given by Dr. C Jeganathan, Dean RIE and President, IIC-BIT Mesra briefly introduced & importance of IPR. In this seminar some various points have discussed also which are,

1. IP awareness with a focus on Patents.
2. Developing ideas from a patent point of view.
3. Important steps post idea generation.
4. Rights of the Applicant vs. Inventors.
5. IP Cell Creation for idea generation and securing IP assets for the University and Innovators.
6. Inclusion of inventor's names on Patent Grant Certificate.
7. Question & Answer Session.













## वीआईटी मेसरा • 3 दिवसीय एनुअल एंटरप्रेन्योरशिप फेस्ट ई समिट का छठा संस्करण शुरू एक्सपर्ट ने बताया वेब-3 इंटरनेट का भविष्य, आज आईपीएल की तर्ज पर होगा टीमों का ऑक्शन

सिटी रिपोर्टर | रावी

वीआईटी मेसरा में शुक्रवार को 3 दिवसीय एनुअल एंटरप्रेन्योरशिप फेस्ट ई समिट-23 के छठे संस्करण की शुरुआत हुई। फेस्ट का उद्देश्य युवाओं को उद्यमी सोच को मंच देना और उन्हें प्रोत्साहित करना है। फेस्ट के तहत 8 प्रतियोगिताएं होंगी, जिसमें देश के विभिन्न कॉलेजों के 2 हजार से ज्यादा प्रतिभागी भाग ले रहे हैं। कार्यक्रम के पहले दिन टोटैलिटी कॉर्प के संस्थापक अंशुल रुस्तगी ने अपने सर्विस करियर से लेकर एंटरप्रेन्योर बनने तक के सफर के बारे में बताया। अपने बिजनेस पर बैन लगने के दौरान होने वाली मुश्किल के बारे में बताया। उन्होंने वेब-3 के महत्व के बारे में चर्चा की, जिसमें उन्होंने वेब-3 को इंटरनेट का भविष्य बतलाया। शनिवार को आईपीएल ऑक्शन, बी प्लान, बी क्विज, एनशिफ्ट एंटरप्रेन्योर, बोर्डरूम आदि प्रतियोगिताएं होंगी। आईपीएल ऑक्शन में छात्र आईपीएल की तर्ज पर ही ऑक्शन प्रक्रिया में शामिल होंगे।

### ई समिट-2023 का नॉलेज पार्टनर दैनिक भास्कर है

#### व्यक्ति की तरक्की और विकास में एंटरप्रेन्योरशिप

वीआईटी के रजिस्ट्रार संदीप दत्ता ने किसी व्यक्ति की तरक्की और विकास में एंटरप्रेन्योरशिप के उद्देश्यों के बारे में चर्चा की, जिसमें उन्होंने प्रधानमंत्री के उन्नत भारत अभियान पर प्रकाश डाला। डीन ऑफ रिसर्च, इनोवेशन और एंटरप्रेन्योरशिप, डॉ. सी जगन्नाथ ने बताया कि किस तरह आज भारत रोटी, कपड़ा और मकान से लेकर स्टार्टअप और एंटरप्रेन्योरशिप की ओर विकसित हुआ है। भास्कर कर्ण, कुणाल मुखोपाध्याय सहित अन्य उपस्थित रहे। आयोजन एंटरप्रेन्योरशिप डेक्लपमेंट सेल ने किया है।

#### वीआईटी मेसरा के कल्चरल फेस्ट बीटोत्सव-23 की थीम 'उन्नत भारत अभियान' का अनावरण



वीआईटी मेसरा में होने वाले कल्चरल फेस्ट बीटोत्सव-23 की थीम का अनावरण किया गया। कुलपति डॉ. इंद्रनील मन्ना ने कार्यक्रम की थीम 'उन्नत भारत अभियान' का अनावरण के बारे में बताया। कहा कि इसका उद्देश्य ग्रामीण विकास प्रक्रिया को बदलना है। उन्होंने स्टूडेंट्स को इस थीम

से जुड़कर और इसके माध्यम से कॉलेज के डायस्पेरा में महान मूल्यों को जोड़ने के लिए प्रेरित किया। इस कार्यक्रम में स्टूडेंट्स मामलों के डीन डॉ. भास्कर कर्ण, स्टूडेंट्स मामलों के एसोसिएट डीन डॉ. के श्रीधर पटनायक सहित अन्य प्रोफेसर उपस्थित रहे। बीटोत्सव की तिथि जल्द घोषित होगी।

In this E-summit, the total 12-15 event organized and one of the events which is related to Entrepreneurship Skill, Attitude and Behavior Development i.e. "ANCIENT ENTREPRENEURS" which is test of knowledge about startups and Entrepreneurs for the students and they showcase their knowledge and develop their own startup.





Academic Year	2023
Program driven by	<b>Entrepreneurship Development Cell (EDC), BIT MESRA</b>
Activity Name	Ancient Entrepreneur
Program Type	Quiz
Program Theme	Quiz on startups
Program Start Date	28/01/2023
Program Ending Date	28/01/2023
Number of Students Participants	50
Number of Faculty Participants	8
Number of Expert Participants if any	2
Expenditure	15,000/-
Mode of Delivery	<b>Offline</b>
Objectives	1.Test of knowledge about startups and Entrepreneurs

Benefits in terms of learning/skill/knowledge development	The benefit of the event was it gave the participants to showcase their knowledge about startups and enhanced their knowledge about it.
Program Coordinator(s)	Ayush , Shruti

<b>ANCIENT ENTREPRENEUR</b>	
<i>Event Description:</i>	
<p>In this exciting and captivating event, there were 2 rounds in which first round was the quiz round and then top teams qualified to the final round where a decade was assigned to each team. Each team were given some time to think of any startup that they think can thrive in that particular decade.</p>	
<i>Key Learning and Take-Aways:</i>	
<p>Participants got to know about some interesting things about startups and entrepreneurs they always heard of.</p>	



## Fireside Chat with Rishabh Jain

**28.01.2023**

Academic Year	2022-2023
Program driven by	Entrepreneurship Development Cell
Activity Name	Fireside chat
Program Type	Invited talk
Program Theme	Life at and after University
Program Start Date	28/01/2023
Program Ending Date	28/01/2023
Number of Students Participants	210
Number of Faculty Participants	3
Number of Expert Participants if any	1
Remark	It was an informative and fun session with Mr. Rishabh Jain discussing about content creation, college life and finance
Objectives	<ul style="list-style-type: none"> <li>• To make participants aware of the best ways to utilize their college life</li> <li>• To develop a free spirited and risk taking mentality among the participants</li> </ul>
Benefits in terms of learning/skill/knowledge development	This talk helped participants to become more aware of the opportunities around them during their college life. It also helped them in learning about finance and how to make good content.
Program Coordinator(s)	Vishal H Shah, Faculty advisor EDC
Host	Pranit

<i>Speaker:</i> Mr. Rishabh Jain	<i>Topic:</i> <b>College life</b>
<i>Speaker profile:</i>	Mr. Rishabh Jain is the CEO & Co-Founder of Labour Law Advisor .

Having passed out from IIT Bombay, he is currently a content creator on @labourlawadvisor boasting of a whopping subscriber base, as he calls "Jagruk Janta", of close to 4 million subscribers and 900+ videos on YouTube. A poet, an author, an innovative entrepreneur, and a finance guru, Mr. Rishabh Jain is a polymath and an educator at heart with a simple vision to



simplify labor laws for the common man. His channel and he have evolved into a one-stop solution for labour laws, finance, investing, and business-related content.

*Key Learning and Take-Aways:*

Time at college or “the college life” is the time when a person learns a lot of new things and a lot of new skills both academic and co-curricular. Making it one of the most important times in ones life. Mr Rishabh Jain with his words and discussion with the host of the session helped students realize the value of college life. Throwing light on various carrier options they have and how to utilize their time to the fullest. He used common examples and spoke like he always do with his humor and a lot of interaction with the participant students who attended the session making the session very enjoyable and heartwarming. He also told them about content creation and how to make content which is both productive and demanding and talked about finance, highlighting the fact that one should pay more value to their passion.

**Mr. Rishabh Jain is the CEO & Co-Founder of Labour Law Advisor**





**SPEAKER SESSIONS**  
**The Perfect Recipe for an Entrepreneur**

**by Anmol Sharma**

**29.01.2023**

Social Media	<a href="https://www.linkedin.com/in/financebyanmol">https://www.linkedin.com/in/financebyanmol</a>
Instagram	<a href="https://instagram.com/financebyanmoll?igshid=YmMyMTA2M2Y=">https://instagram.com/financebyanmoll?igshid=YmMyMTA2M2Y=</a>

Academic Year	2023
Program driven by	<b>Entrepreneurship Development Cell (EDC), BIT Mesra</b>
Activity Name	SPEAKER SESSIONS
Program Type	Interactive session
Program Theme	THE PERFECT RECIPE FOR AN ENTREPRENEUR
Program Start Date	29/01/2023

Program Ending Date	29/01/2023
Number of Students Participants	200
Number of Faculty Participants	1
Number of Expert Participants if any	1
Benefits in terms of learning/skill/knowledge development	This talk helped attendees to think systematically for their future by taking the right risks and decisions and weighing in the pros and cons of the same, one can grow and help others too.
Program Coordinator(s)	Vishal H Shah

<i>Speaker: Mr. Anmol Sharma</i>	<i>Topic: Masterclass on- <b>The perfect Recipe for an Entrepreneur</b></i>
<p><b><u>Speaker Profile:</u></b></p> <p>Mr. <a href="#">Anmol Sharma</a> is the founder and CEO at <a href="#">Finlight</a>, simplifying finance, business, and investment to the masses in a very easy-to-understand manner. He also got featured on reputed channels like Mint, TOI, CNBC, and ET Now and has amassed a community of more than 500K on various social media platforms. He launched his first startup Caregivers in his second year of college. He is here with us now to give valuable learnings and insights about financial literacy, startup culture, and his life journey. We are honored to have him as a guest in E-summit'23 and people interested in entrepreneurship and finance should not miss this chance.</p>	
<p><b><u>Key Learning and Take-Aways:</u></b></p> <p>This session was full entrepreneurial knowledge. Many students got know how really a start-up works, what are the key factors in building an ecosystem that wants to create business, how select business partners and move together and build some business fortune.</p> <p>Besides this he also provided a glance in his college life in which he told how he started his entrepreneurial journey and how he managed college studies and startup struggles.</p> <p>Followed by this there was a QnA session conducted with sir, in which many students asked their question regarding different aspects of the startups.</p>	





**Interactive Session with Aditya Ranjan, IAS**  
**29/01/2023**

ENTREPRENEURSHIP DEVELOPMENT CELL  
BIT MESRA, RANCHI  
www.edcbitmesra.in

INSTITUTIONS' INNOVATION COUNCIL

BIT Mesra's  
**SUMMIT '23**  
DARE TO BEGIN

**LIVE**

**ASPIRANT TO ADMINISTRATOR  
JOURNEY OF  
AN IAS**

- The Pursuit of Public Service

**29th January  
12:30 P.M.**

**ADITYA RANJAN**  
President Awardee |  
Indian Administrative Service Officer

**SEMINAR HALL 1**

+91 8405961111

Program driven by	Entrepreneurship Development Cell (EDC), BIT Mesra
Activity Name	Invited talk on the occasion of E Summit 2023 “ <b>Aspirant to Administrator: Journey of an IAS</b> ”
Program Type	Invited talk
Program Theme	Public Service
Program Start Date	29/01/2023
Program Ending Date	29/01/2023
Number of Students Participants	200
Number of Faculty Participants	1
Number of Expert Participants if any	1
Remark	It was an informative and effective session by Mr. Aditya Ranjan, IAS which became more fruitful when he interacted with all the participants and discussed about his IAS journey, preparation days, present day working and his achievements. As a result, aspirants were ignited with confidence and faith to do well.
Objectives	<ol style="list-style-type: none"> <li>1. To make participants aware of public services</li> <li>2. To share the plan initiated by him to students</li> <li>3. To share his working and life style</li> </ol>
Benefits in terms of learning/skill/knowledge development	This talk helped aspirants to interact directly with an IAS officer. He shared his working ethics and achievements at this young age, which were an inspiration to the budding aspirants. He also shared his routine of his preparation days, which gave a sought of idea to beginners.
Program Coordinator(s)	1. Vishal H Shah

### Overall Report of the Activity

<i>Speaker:</i> Mr. Aditya Ranjan	<i>Topic:</i> <b>Aspirant to Administrator: Journey of an IAS</b>
<i>Speaker Profile:</i>	
<p>Mr. Aditya Ranjan, an alumnus of CSE, BIT Mesra – 2010 batch, a President Awardee young, fearless and dynamic IAS officer with only aim to provide service is the best possible way. He secured his IAS seat in his 3<sup>rd</sup> attempt of UPSC (CSE) with AIR 99 in 2014. Another interesting fact, he scored highest marks at that time in UPSC (CSE) which was broken recently. After passing out from BIT, he got a job in Oracle. Although he worked 20 months in Oracle but always felt an urge to explore in public services. He never wanted to monotonic kind of a job, by seeing his seniors he made up his mind to take up civil services, which was again not in his</p>	

plan before. Further, since he is an engineer, technology was something which always excited him and this was the reason he was integrated technology in his plans.

*Key Learning and Take-Aways:*

In this era, where honest politicians are extinct and honest IAS are endangered, Mr. Aditya Ranjan seems to be a light. The way he shared his experience and plans as a civil servant were very intriguing. Some of his ideas were about setting the car lab in his working districts of Hazaribagh, Kodarma and Deoghar for facilitation of education in government. He also empowered around 30 government are made it to the level of private schools. During covid he worked marvelously well, he came up with the idea of Phone Booth COVID 19 Sample Collection Centre, the CoBOT, Face Shield and disinfection Chamber. This very example proves how education never fails and its utilization can come at any point in time.

For a budding IAS aspirant, routine is something which has the capability to ensure success single handedly. He shared one must have a healthy diet, should make sure he wakes up early in the morning and has to develop a reading habit. He also talked about risk factor, for us being at this very age, should go all out for something we aspire for and Plan B should be reserved for a later age.

## **Aditya Ranjan, IAS**





**One -Week Workshop Report**  
**On**  
**Satellites Manufacturing**  
**(Design Thinking, Critical thinking and Innovation Design)**  
**13/02/23 to 17/02/2023**

Institution's innovation council (IIC-BIT Mesra) in collaboration with Space Engineering and Rocketry Department, Birla Institute of Technology organized a one-week workshop on “*Satellites Manufacturing*” under the *Design Thinking, Critical thinking and Innovation Design* during 13-17<sup>th</sup> Feb, 2023 in association with AICTE IDEA Lab. In this workshop introduced the satellites, CubeSat/CanSat design, deployment and hands on Session, Prototype testing etc. This one-week workshop has inaugurated on 13<sup>th</sup> Feb at 10.30am in Seminar Hall-1 R& D Building, BIT Mesra Ranchi. The Chief Guest/Speaker on this session former ISRO scientist **Shri B. A. Subramani** the ‘*Station Director*’ of *ISRO’s Upagrah Amateur Radio Club*, and **Prof. R.R Elangovan**, *Professor of Aeronautical Engg, KCG College Of Technology* and a colleague of **Dr. APJ Abdul Kalam**. The Welcome address was given by Dr. Priyank Kumar, Prof. In Charge, Space Engineering and Rocketry Department, ARIIA Coordinator and Member of IIC-BIT, followed by Prof. Sudip Das, Professor, Space Engineering and Rocketry & Dean (Admission), and Dr. S S Solanki, Head, Electronics and Communication Engineering Dept., Dr. Bhaskar Karn, Dean of Student Affairs. Dr. Bhaskar Karn felicitated the Chief Guests at the end of the inaugural session. The vote of thanks was given by. Dr. Chandreyee Sarkar, Assistant Professor, Electronics & Comm. Engg. Dr. Rupesh Kr Sinha, and Dr. G K Mishra of ECE Dept and Dr. Dr. Aftab Alam, of EEE Dept coordinated the activities and other faculty members Dr. K. Sridhar Patnaik, Associate Dean and Convenor (IIC-BIT), Dr. Anand PD Sinha, Co-convenor (IIC-BIT), Dr. Vijat Nath, IIC members were present during the session. The event was attended by many Research scholars and more than 45 Students (UG/PG). After attending this workshop, students learnt the basics of satellites and it's launched and obtained the signals from NOAA satellite using simple hand Mande antenna. They prepared 10 CanSat models and successfully tested.



**Dr. Priyank Kumar giving the welcome address**



**Prof. R.R Elangovan addressing the audience**


**बिरला प्रौद्योगिकी संस्थान**  
 Birla Institute of Technology  
 Mesra, Ranchi (India) - 835215




## Workshop on Satellites Manufacturing

(Design Thinking, Critical thinking and Innovation Design)

### EVENT SCHEDULE

<p><b>FEB 13</b> MONDAY</p> <ul style="list-style-type: none"> <li>▶ Seminar: Introduction to satellites and its applications</li> <li>▶ Structural design and information problem statement</li> </ul>	<p><b>FEB 14</b> TUESDAY</p> <ul style="list-style-type: none"> <li>▶ brief seminar on avionics of satellites</li> <li>▶ CanSat Avionics introduction and problem Statement.</li> </ul>
<p><b>FEB 15</b> WEDNESDAY</p> <ul style="list-style-type: none"> <li>▶ Rigging up the circuit of the given CanSat kit and testing the sensors.</li> <li>▶ CanSat deployment.</li> </ul>	<p><b>FEB 16</b> THURSDAY</p> <ul style="list-style-type: none"> <li>▶ Prototype Testing</li> <li>▶ Fault analysis and Troubleshooting</li> </ul>
<p><b>FEB 17</b> FRIDAY</p> <ul style="list-style-type: none"> <li>▶ Hand on session</li> <li>▶ Implementation of student ideas</li> </ul>	

 **13th Feb to 17th Feb 2023**
 **10.30 AM (Inauguration)**
 **Seminar Hall, 600A Building, AICTE IDEA Lab**

**Faculty Coordinator : Dr. Prityank Kumar**
**Co-Coordinator : Dr. Chandreyee Sarkar, Dr. Rupendra K. Bishu, Dr. Anub Alam**





**Training: Mande Antenna & Workshop on Satellites Manufacturing & Innovation design**







**Workshop attended by students**





**INDUSTRIAL VISIT**  
**Pratik Multifilms Private Ltd.**  
**Krishna Nagar Booti, Ranchi**  
**25.02.23**



Institution's Innovation Council BIT Mesra organized as Industrial Visit to Pratik Multifilms Private Ltd. Krishna Nagar Booti, Ranchi on 25.02.2023. Pratik Multifilms is a plastic manufacturing company which is the manufacturer of HM Liner Bags, Packaging film, biodegradable Bag & Agricultural Mulch Film. The visit was conducted by Dr. Anand Pd. Sinha, Co-Convenor IIC-BIT, for a group of 25 students from different branches i.e., Mechanical, Production & Engineering, Chemical and Bio-Technology Department, BIT Mesra, Ranchi. Mr. Pratik Dayal, Chairman (Pratik Multifilms) and Mr. Amit Kaushik, GM, interacted with the students and told them about the process of plastic manufacturing. The students got to see the processes by which the plastic is manufactured and also about how the manufactured plastic is processed to make it suitable for packaging purposes. It was a very good experience for the students as they got to gain some practical experience regarding the different manufacturing principles which are taught to them in their syllabus.





**Plastic Bag Manufacturing**



**Plastic Bag Manufacturing**



**Printing Designing Company Product Name and Their Description**



**Printed Color Combination Checking**





**Final Packaging Film Printing**



**Final Packaging Film Printing Process**





**HM Liner Bags Manufacturing**



# FINSTREET-23

03-05 March 2023



The Finance Club in collaboration with the Institution's Innovation Council BIT Mesra conducted the annual Flagship Event FINSTREET-23 on 3<sup>rd</sup> March 2023.

The event started with the institute prayer and an opening speech from Dr. Anand Pd Sinha faculty advisor, Finance Club and Co-convenor, IIC-BIT who emphasized the importance of financial education and students' role in shaping the finance industry's future and also briefed about the importance of technology advancement and their implications. Dr. K. Sridhar Patnaik, Convenor IIC BIT Mesra who motivated the participants as well as brief about the IIC event activities followed by Dr. Kunal Mukhopadhyay Dean (FA), BIT-Mesra who preside the event.

The Chief Guest of this annual flagship event was Ms. Bala Kumari, DGM, Security Exchange Board of India, Ranchi who shared her insights and experiences in the finance industry and discussed the importance of risk management and discipline in investment. The event ended with the vote of thanks by Kartikeya Pandey President - Finance Club.

The flagship event of Finance Club FINSTREET-23 provides networking opportunities for students and professionals interested in the finance industry and solve some technical case study



competition. Participants have the opportunity to interact with the speakers and panelists, exchange ideas, and gain insights into the industry.



**Inaugural Ceremony**



**Chief Guest Ms. Bala Kumari, DGM, Security Exchange Board of India**





**Ms. Bala Kumari, DGM, Security Exchange Board of India, Ranchi**





# ENIGMA 23

(A Technical Case Study Competition)



On 5<sup>th</sup> of March the Finance Club of BIT MESRA had conducted second round of one of its event “ENIGMA”-23 it’s a technical case study competition which provides a platform to the students to showcase their strategic, technical and business acumen. The competition consisted of two phases. The first phase consisted of a quiz on the basis of current finance aptitude and general knowledge areas and the second phase consisted of a case study presentation on a particular topic in the field of Electric Vehicles (EV), Block Chain Technology and Crypto Currency.

Total 150 participants were registered from all top colleges in India like IIT, IIM, BIT Mesra, NITIE Mumbai, SSR, Delhi University, etc. Round one of the competitions was conducted successfully on 2<sup>nd</sup> March online and 14 teams were qualified for the 2nd round for final technical case study presentation in hybrid mode which was held on 5<sup>th</sup> March in seminar hall 1 R& D building, BIT Mesra .

The second phase primarily consisted of a case study presentation on a subject like bitcoin and Block Chain technology, Crypto Currency, Electric Vehicles, where qualifying candidates from round one had 10 minutes to submit their ideas to the judges, who would then evaluate them in accordance with the criteria listed below,

- Presentation skills
- Time management prowess
- Responses to the judges’ questions
- Content of the slide related to case study



- Better solution remarks

The students were honored by the presence of such dignitaries which gave them ample opportunity to learn about new age technologies which included Electric Vehicles, Block-Chain Technology and Crypto Currency.

The guest of honor of this event 'Enigma-23' Mr. R.N. Prasad, Head, (HR &IR), Amalgam Steel PVT Ltd. Jamshedpur, who motivated the participants to take part in the such case solving event.

The Finalist who managed to get the podium position in the event were from **BIT Mesra got -1st Prize, IIM Lucknow-2nd Prize and IIM Ranchi-3rd Prize.**

The vote of thanks was given by Dr. K.S. Patnaik Convenor (IIC-BIT) and Dr. Anand Prasad Sinha, Co-Convenor (IIC-BIT) and faculty advisor Finance Club conveyed the closing remarks in the ceremony and thanked all the participants as well as the panel of judges too.

#### **Panel of Judges ENIGMA-23 (A Technical Case Study Competition)**

1. Mr. R.N. Prasad, Head, (HR &IR), Amalgam Steel PVT Ltd. Jamshedpur.
2. Dr. P.K. Chatterjee, Former Chief General Manager & Consultancy Contract Engineering & Corporate Law, Commercial Directorate MECON, Limited, Ranchi -834002.
3. Dr. Pooja Jha, Head of Department, AIIT, Amity University Jharkhand
4. Dr. A. N. Jha, Professor, Department of Management, BIT Mesra Ranchi.

**(Guest of Honor- ENIGMA-23)**



**Mr. R.N. Prasad, Head, (HR &IR), Amalgam Steel PVT Ltd. Jamshedpur**



**Panel of Judges – ENIGMA- 23**

**Case Study Presentation by Participants (Hybrid Mode)**

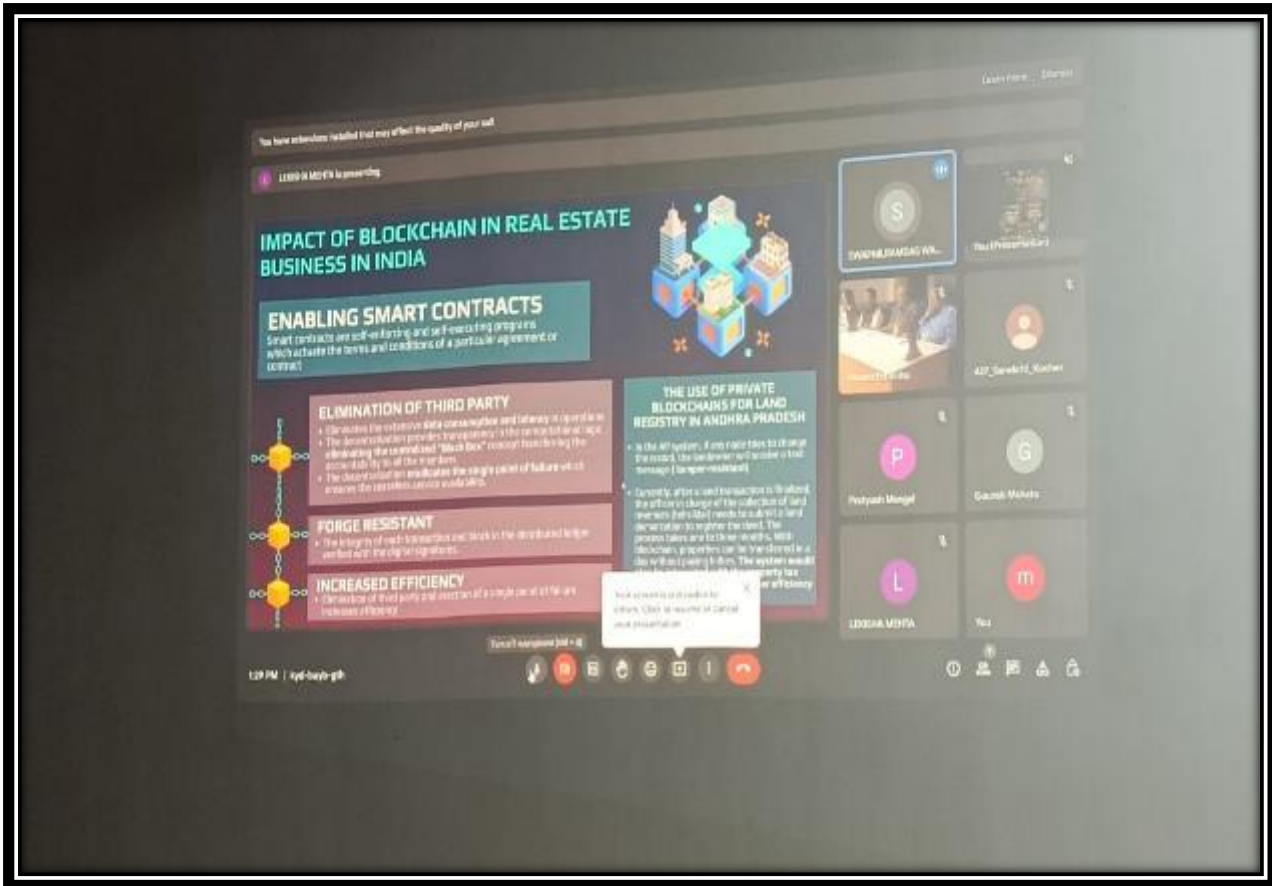
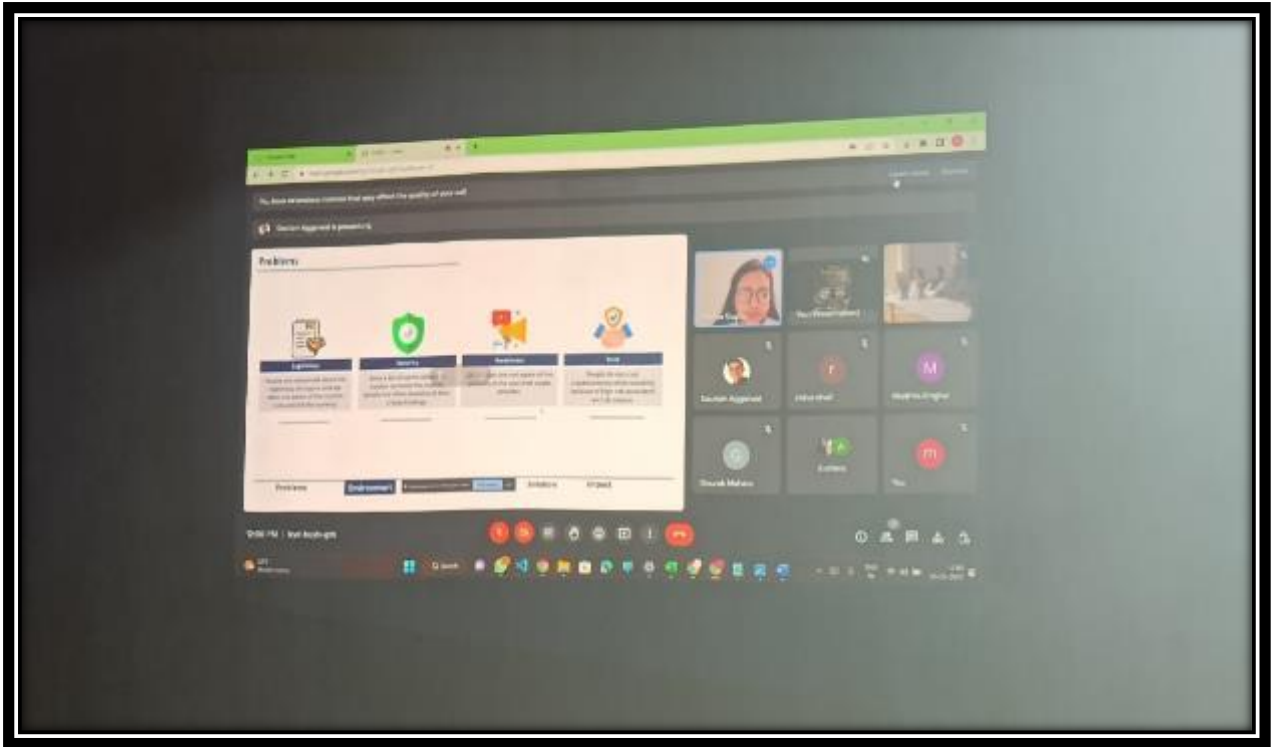


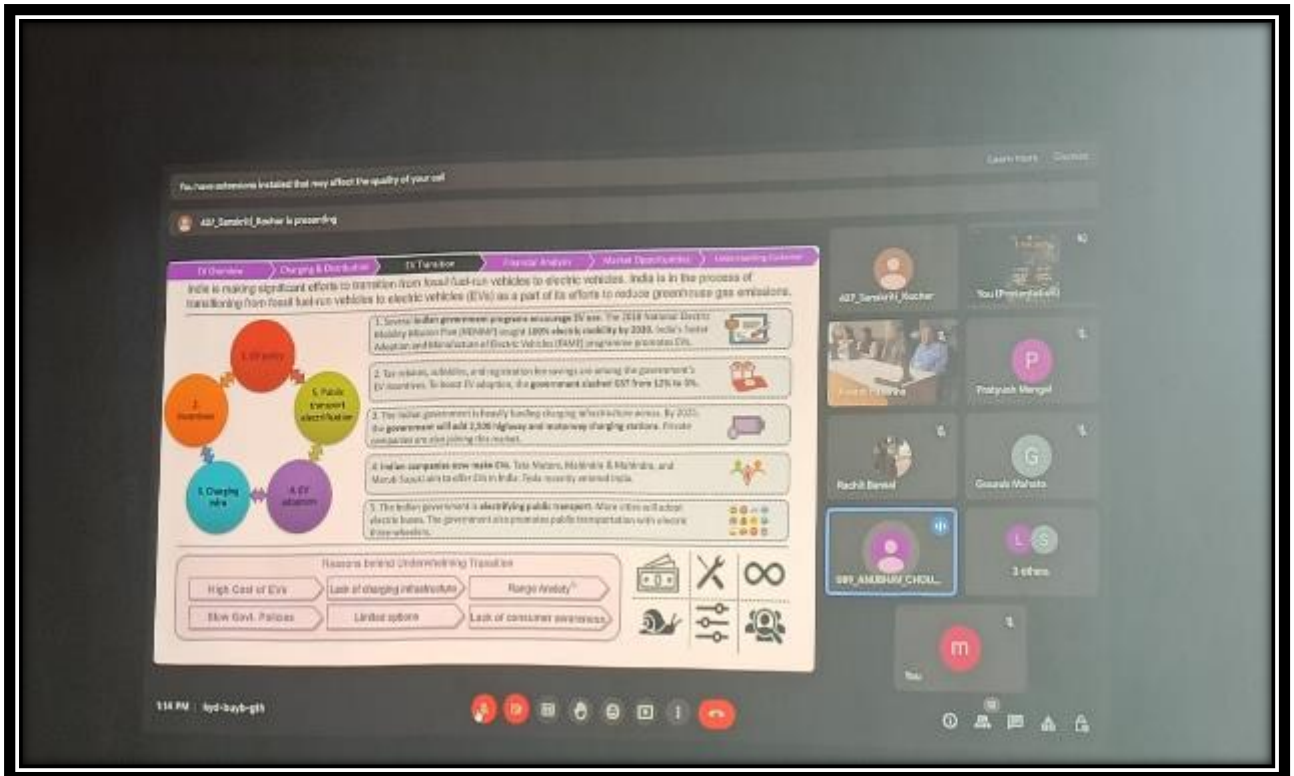


**Online Presentation**









**Workshop on**  
**Innovation & Entrepreneurship**  
(Outreach Program School/ Community)  
**4<sup>th</sup> March 2023**



The Institution's Innovation Council BIT Mesra, Ranchi organized a workshop on **Innovation & Entrepreneurship Outreach Program School/ Community** on **4<sup>th</sup> March 2023** at **Kislay Vidya Mandir School, Ranchi** on the occasion of National Science Day celebration. This workshop conducted by Dr. S. S. Tripathy, Dept of ECE, BIT Mesra and Member of IIC-BIT Mesra. The students of standard 4<sup>th</sup>& 5<sup>th</sup> has participated in this workshop and get some knowledge about the functions of microscope and the laser-based height and distance measurement system are demonstrated to the young minds. This hands-on training was given for the operation of microscope and the measurement system. This one-day workshop total 40 students has participated and they were every exited to learned operation of microscope and the measurement system to see the blood cell under the microscope equipment's. The Principal of this Kislay Vidya Mandir Ms. Suman Thakur was present throughout the workshop and actively participated in the event and also encourage the students to be a make scientist in their grooming age.





**Demonstration & Presentation given by Dr. S. S. Tripathy**





**Training program on Microscope Handling & Measuring System.**



**Group Pic Students & Faculty**



## One-Day Work Shop on **“Struggles to Accomplishments -A Journey of Empowerment”** 22<sup>nd</sup> March 2023

Institution’s Innovation Council (IIC-BIT) Birla Institute of Technology, Mesra, Ranchi in collaboration with Internal Complaints Committee (ICC) organized a Seminar cum Workshop on “Struggles to accomplishments -A journey of empowerment” on Wednesday, 22<sup>nd</sup> March 2023, at 10:00 AM in Seminar Hall –I, R&D Building, Birla Institute of Technology, Mesra, Ranchi. The event will focus on the journey of empowerment and aims to motivate and inspire the audience with stories of successful women entrepreneurs. The event will host three distinguished speakers, including Ms. Sandhya Singh Kuntia, Co-founder of the brand “Ong Apparel,” Jharkhand; Ms. Reshma Dutta, Founder of “Adhaar Mahila Shilp Udyog,” Jharkhand; and Ms. Joyati B., Founder of “Wise Owl Learning.”



The event will provide an opportunity for attendees to learn from the struggles and achievements of these women entrepreneurs, and to engage with them on their journeys to success. The organizing committee for the event includes Dr. Indranil Manna, Vice Chancellor, BIT Mesra, as the Chief Patron, and Dr. Papiya Mitra Mazumder, Professor, Dept. of Pharmaceutical Science & Tech, as the Chairperson of the Internal Complaints Committee. The event is being convened by Dr. Itu Snigdha, Co-Convenor IIC-BIT & Assistant Professor, Dept. of Computer Sc.&Engg, Other members of the organizing committee include Dr. Venkatesan Jayaprakash, Professor, Dept. of Pharmaceutical Science & Tech, Member (ICC); Mrs. Nidhi Jaiswal, Assistant Registrar (Legal), Member Secretary (ICC); Mr. A. K Singh, Deputy Comptroller, Member (ICC); and Mrs. Kaushiki Sengupta, NGO Representative, Member (ICC). This Seminar cum Workshop is a great



opportunity for attendees to learn from the experiences of successful women entrepreneurs and to network with like-minded individuals.



## One day Experiential Learning Workshop on

**“Bi2I - Business Ideation to Implementation”**

**25.03.2023**

Institution's Innovation Council (IIC-BIT) in association with Entrepreneurship Development Cell (EDC) and Finance Club (FC) is organized a one-day workshop on 25<sup>th</sup> March 2023 in Seminar Hall 1 R& D Building BIT Mesra. The main theme of the workshop title was “**Bi2I - Business Ideation to Implementation**”. The Resource person of this workshop is Prof. Sudipto Bhattacharya, PhD BESU (currently IEST) Shibpur Start-up Mentor Certification from London Business School Entrepreneurship Educator Certification from STVP, Stanford University. The workshop was inaugurated by honorable vice-chancellor of BIT Mesra, Prof. Indranil Manna. Prof. C Jeganathan, Dean, RIE & President IIC BIT Mesra has talked about the Business idea Model that offers unique value proposition and finally checking and balancing from market feedback to have sustainable competitive advantage followed by Dean of student affairs Dr. Bhaskar Karn and Mr. Vishal H. Shah also introduced and encouraged to participant to make a new business idea and implementation. The workshop was proved to be an informative and

interactive session for the students and other faculty members and participation certificates were also distributed among them. Finally, the session ended by vote of thanks given by Dr. Anand Pd. Sinha Associate dean, RIE and Faculty advisor of Finance club, BIT Mesra.

**BIRLA INSTITUTE OF TECHNOLOGY  
MESRA RANCHI**

**RESOURCE PERSON**

**ONE DAY EXPERIENTIAL LEARNING  
WORKSHOP ON**

**Bi2I - "BUSINESS IDEATION TO  
IMPLEMENTATION"**

**PROF. SUDIPTO BHATTACHARYA**  
B.TECH IN TEXTILE TECHNOLOGY, MBA, PHD  
CO-FOUNDER & CHIEF VISIONARY OFFICER, SCI-FII INC.  
CO-FOUNDER & CHIEF LEARNING OFFICER, SEEDON  
CERTIFIED START-UP FROM LONDON BUSINESS SCHOOL  
CERTIFIED ENTREPRENEURSHIP EDUCATOR FROM STVP, STANFORD  
UNIVERSITY

**DATE: 25 MARCH 2023**

**TIME - 10:00 AM ONWARDS**

**VENUE : SEMINAR HALL -1 R&D BUILDING,  
BIT MESRA RANCHI**

The “Bi2I” workshop's main objective is

- ✓ Sensitize participants in skills required for developing Minimum Viable Product and new business model
- ✓ Develop design thinking capability with is human centric, future-focused, value creating and dynamic
- ✓ Analyze business ideas for feasibilities, mitigation of the risks of failures and sustainable scalability
- ✓ Designing Roadmap for implementation through campus incubation initiatives aligned to UN-SDGs

The workshop requires students to take themselves through the road marked by five milestones of finding an unmet market need, creating a differentiated solution that meets that unmet need, analyzing the pros and cons of the proposal critically, designing a business model. This workshop is basically a business idea development for new venture is a mixture of art and science. In this workshop a round-table discussion, real- Life simulations and games, experiential learnings and case analyses has been done.



The second part of the workshop was filled with fun activities like Mummy making competition participated by students as well as faculty members, team to make Mummy using less paper within time to be declared winner and proposal of different business startup ideas by the teams and team giving the best idea would be the winner. The guest speaker gave his presentation of business ideation and it's implementation followed by an interactive session with question and queries asked by the students side and faculty members present.





**Business Idea Solution Activities by faculty Members**

## Business Idea Solution Activities by Students



## Certificate Distribution











## **Internal Hackathon For Kavach- 2023**

**1-2 April 2023, BIT Mesra, RANCHI**

Institution's Innovation Council (IIC-BIT) has organized an Internal Hackathon for KAVACH 2023 in the Department of CSE, BIT Mesra Ranchi on 1-2 April 2023. Prof. C. Jeganathan, Dean of Research, Innovation, and Entrepreneurship and President of IIC-BIT Mesra, served as the chief guest for the opening session. Following the institute prayer, SPOC, Dr. K. Sridhar Patnaik and Convenor IIC-BIT welcomed the primary guest and all of the participants to the Internal Hackathon's opening ceremony. A total of 20 teams registered, and 8 teams (each

team 6 members i.e., 48 students) took part in the competition.

OFFICE OF THE DEAN, RESEARCH, INNOVATION AND ENTREPRENEURSHIP  
IN ASSOCIATION WITH

 **Institution Innovation Council BIT Mesra**  **INSTITUTION'S INNOVATION COUNCIL**  
(Member of IITB network)

**ORGANISES**

**INTERNAL HACKATHON FOR KAVACH-2023**



**कवच  
KAVACH  
2023**  
साइबर सुरक्षा हैकथॉन  
Cybersecurity Hackathon

**1-2 APRIL, 2023, CSE-LAB-IV, R&D Building**

**For Details**  
[\(https://qakavach.mic.gov.in/\)](https://qakavach.mic.gov.in/)







**Panel of Judges**









Each team was given a 15-20 mins for presentation and then evaluated (Max Marks-80) based on the Novelty(10),Clarity(10),Feasibility(10),Practicability(10),Sustainability (10),Scale of Impact(10),User Experience (10),Potential for Future Work Progression(10) and Methodology (10),Novelty(20) and Implementation(10) .The merit list prepared as follows:

SL No.	Team Name	PSNo	Rank
1	CS Geeks	KVH013	1
2	Mahesh	KVH009	2
3	Nazar Raksha Kavach	KVH001	3
4	Nari Shakti	KVH001	4
5	Variables	KVH003	5
6	Project Argus	KVH009	6
7	Data Detectives	KVH009	7
8	Varutr	KVH001	8

**08 teams have been nominated for the final round of Kavach 2023.**



## टीम सीएस गीक्स ने टूल मॉनिटरिंग ग्राउंड बनाकर जीता हैकथॉन

रांची. बीआईटी मेसरा के इंस्टीट्यूशन इनोवेशन काउंसिल (आईआईसी) की ओर से आयोजित इंटरनल हैकथॉन कवच-2023 का समापन रविवार को हुआ. समापन सत्र की शुरुआत डॉ के श्रीधर पटनायक, डॉ आनंद पीडी सिन्हा, डॉ सी जगनाथन और ऋतिका प्रसाद समेत अन्य की. प्रतियोगिता में 20 टीमों ने हिस्सा लिया. निर्णायक मंडली में सीएस इंजीनियरिंग विभाग के सहायक प्रोफेसर डॉ केके सेनापति, डॉ प्रशांत प्रणव, सीआईटी रांची के प्रो अरशद उस्मानी और सीआईडी साइबर सेल रांची के कुमार विभूति शामिल थे.

टीम सीएस गीक्स ने टूल मॉनिटरिंग ग्राउंड तैयार कर विजेता का खिताब जीता. टीम सीएस गीक्स में महक शाह, शुभम अग्रवाल, कुमार देव, प्रियंका चौधरी, जलज जैन और लोकेश शर्मा शामिल थे. वहीं, उन्नत सीसीटीवी एनालिटिक्स के लिए टीम महेश को उप विजेता का पुरस्कार मिला. टीम में हर्ष राज, सौरभ कुमार, ऋतिक कुमार, श्रुति शिखा शिवम और अभिनव कुमार ठाकुर शामिल थे. उपविजेता का पुरस्कार न्यू एज वुमन सेफ्टी एप तैयार करने के लिए टीम नजर रक्षा को पुरस्कृत किया गया.

## हैकथॉन में छात्रों ने समस्या का दिया तकनीकी समाधान

### बीआईटी

रांची, वरीय संवाददाता। बीआईटी मेसरा के इंस्टीट्यूशन इनोवेशन काउंसिल (आईआईसी) द्वारा कवच 2023 के लिए हैकथॉन का आयोजन किया गया। दो दिवसीय आयोजन के आखिरी दिन रविवार को विभिन्न स्पर्धाओं में प्रतिभागियों ने उत्साह के साथ भाग लिया।

20 प्रतिभागी टीमों में से प्रत्येक को 20 मिनट का समय दिया गया था, ताकि वे अज पैनल के सामने समस्या के समाधान प्रस्तुत कर सकें। टीमों ने डीप डार्क वेब पर अश्लील सामग्री को फिल्टर करने, फेक न्यूज को ट्रैक करने के लिए सॉफ्टवेयर डेवलपमेंट विकसित करने, महिलाओं की सुरक्षा सुनिश्चित करने वाले एप विकसित करने आदि

- 20 प्रतिभागी टीमों में से हर को मिले 20 मिनट
- स्पर्धाओं में प्रतिभागियों ने उत्साह से भाग लिया

समस्याओं पर तकनीकी समाधान प्रस्तुत किए। इसमें विजेता टीम सीएस गीक्स रही, जिसमें महक शाह, शुभम अग्रवाल, कुमार देव, प्रियंका चौधरी, जलज जैन और लोकेश शर्मा शामिल थे। फर्स्ट रनर अप टीम महेश रही। इस टीम में हर्ष राज, सौरभ कुमार, ऋतिक कुमार, श्रुति शिखा शिवम और अभिनव कुमार ठाकुर थे। सेकंड रनर अप टीम नजर रक्षा कवच रही, जिसमें लक्ष्य सेनी, निखिल वर्मा, आर्यन राज, हर्षित गुप्ता, अमरजीत और प्रशंसा अग्रवाल शामिल रहे। मैकि पर डॉ के श्रीधर पटनायक, डॉ आनंद पीडी सिन्हा, प्रो पी जगनाथन मौजूद थे।



बीआईटी मेसरा में आयोजित हैकथॉन के विजेता प्रतिभागी को सम्मानित करते शिक्षक।



# A Seminar on Innovation and Product Development through Design Thinking

3<sup>rd</sup> April 2023

Institution's Innovation Council (IIC-BIT) in association with Entrepreneurship Development Cell (EDC) and Finance Club (FC) organized a One-day seminar on 3<sup>rd</sup> April 2023 in Seminar Hall -1 R&D Building BIT Mesra. The main theme of the seminar title was “**Innovation and Product Development through Design Thinking**” The resource person of this session was Mr. **Srinivas Chamorthy**, Chief Innovation Executive & MD at CYME Automation System private Ltd. Mr. Srinivas is travelling on his Bike all over the country to spread the message of Think India, Work India, Make in India, Grow India, Build India towards building SELF-RELIANT INDIA'. Before interaction with the students and faculty members he visited AICTE Idea Lab and also Rocketry department BIT Mesra. After visit all the Labs, Mr. Srinivas interact with the students and faculty members and discussed about the session on “Innovation and product development through design thinking”. He said that Today's intense competition makes it a much more difficult assignment for SMBs and small firms, who may not have large expenditures for product development and design. This is why we need to learn design thinking thoroughly by taking each part as it arrives. Organizations are transformed through design thinking, which also gives them the ability to generate innovative solutions and achieve a competitive edge. Before session start Mr. Vishal H Shah, Associate Dean RIE and faculty advisor EDC welcome to guest and Audience and finally, the session ended by vote of thanks was given by Dr. Anand Pd. Sinha Associate dean RIE and Faculty advisor of Finance club, BIT Mesra.

The poster is a rectangular graphic with a blue and white color scheme. At the top, there are four logos: BIT Mesra, Entrepreneurship Development Cell (EDC) BIT Mesra, Ranchi, Institution's Innovation Council, and Finance Club. Below the logos, the text reads: "Birla Institute of Technology Mesra, Ranchi-835215". The main title of the session is "A Session on 'INNOVATION AND PRODUCT DEVELOPMENT THROUGH DESIGN THINKING'", followed by the date "03 April 2023" and the time "Time : 5:30 PM". On the right side, there is a circular portrait of Srinivas Chamorthy, a man with grey hair, smiling. Below the portrait, his name "Srinivas Chamorthy" is written in red, and his title "Chief Innovation Executive & MD at CYME Automation System Private Ltd." is written in black. At the bottom of the poster, the location "R&D Building, Seminar Hall -1, BIT Mesra, Ranchi" is printed in black.

**Welcome to Guest**



**Visit in AICTE Idea Lab**





### 3D Printing Pic in Idea Lab



### Drone in Idea Lab





## Visit in Rocketry Department

### Hypersonic Tunnel



### Control Room Rocket Fitting



**Propellent Mixer**



**Double Planery Mixer**





## Interaction with the Students





## Group Pic with Students & Faculty Members



**One-day workshop on**  
**“Intellectual Property Rights for young Innovators”**

**On the occasion of World Intellectual Property Day**

**26<sup>th</sup> April 2023**

On April 26<sup>th</sup>, 2023, from 10:30 am to 1:30 pm, the Institution's Innovation Council, BIT Mesra (IIC-BIT), organized one-day workshop in hybrid mode i.e., ‘*Intellectual Property Rights for young Innovators*’ on the occasion of celebration of World Intellectual Property Day at R&D Building Seminar Hall -II BIT Mesra Ranchi. In this workshop the ATL school Jawahar Navodaya Vidyalaya Mesra Ranchi and students of BIT Mesra were attended. The Inaugural address were given by Dr. S. Solanki, Head, ECE Dept. and Dr. K Sridhar Patnaik welcomed the guest and their participant. The guest of honor of this workshop was Mr. Vedant Pujari, Accrues Legal, Founding Partner, & Mr. Naveen Verma, Senior Partner, Zeus IP Advocates, LLP. Mr. Vedant & Mr. Naveen talked about the Important of IPR and what are the process of patent file if they invented new product or any new design of the product. The total student participants of this workshop are 45.

The poster features the Birla Institute of Technology, Mesra logo and name at the top left, and the Institution's Innovation Council logo at the top right. The central text reads: "One-Day Workshop on INTELLECTUAL PROPERTY RIGHTS FOR YOUNG INNOVATORS (Celebration of World Intellectual Property Day)". Below this, the date "26th April 2023" and time "Time : 10:30 am onwards" are listed. Two speakers are featured in circular portraits: Mr. Naveen Varma, Senior Partner at Zeus IP Advocates LLP, and Mr. Vedant Pujari, Accrues legal Founding Partner. The location "R&D Building, Seminar Hall -II, BIT Mesra, Ranchi" is printed at the bottom.

**Birla Institute of Technology, Mesra**  
**Ranchi-835215**

**INSTITUTION'S INNOVATION COUNCIL**  
(MIND OF THE FUTURE)

**One-Day Workshop**  
**on**  
**INTELLECTUAL PROPERTY RIGHTS**  
**FOR**  
**YOUNG INNOVATORS**  
(Celebration of World Intellectual Property Day)

**26th April 2023**  
**Time : 10:30 am onwards**

**Mr. Naveen Varma**  
Senior Partner  
Zeus IP Advocates LLP

**Mr. Vedant Pujari**  
Accrues legal  
Founding Partner

**R&D Building, Seminar Hall -II, BIT Mesra, Ranchi**



**Welcomed address by Dr. Sanjay K. Tripathy, Coordinator Workshop**





**Address by Dr. Sandeep Singh Solanki, Head ECE Department**



**Students Coordinator, Neha Choudhary, welcomed to Guest of Honor**



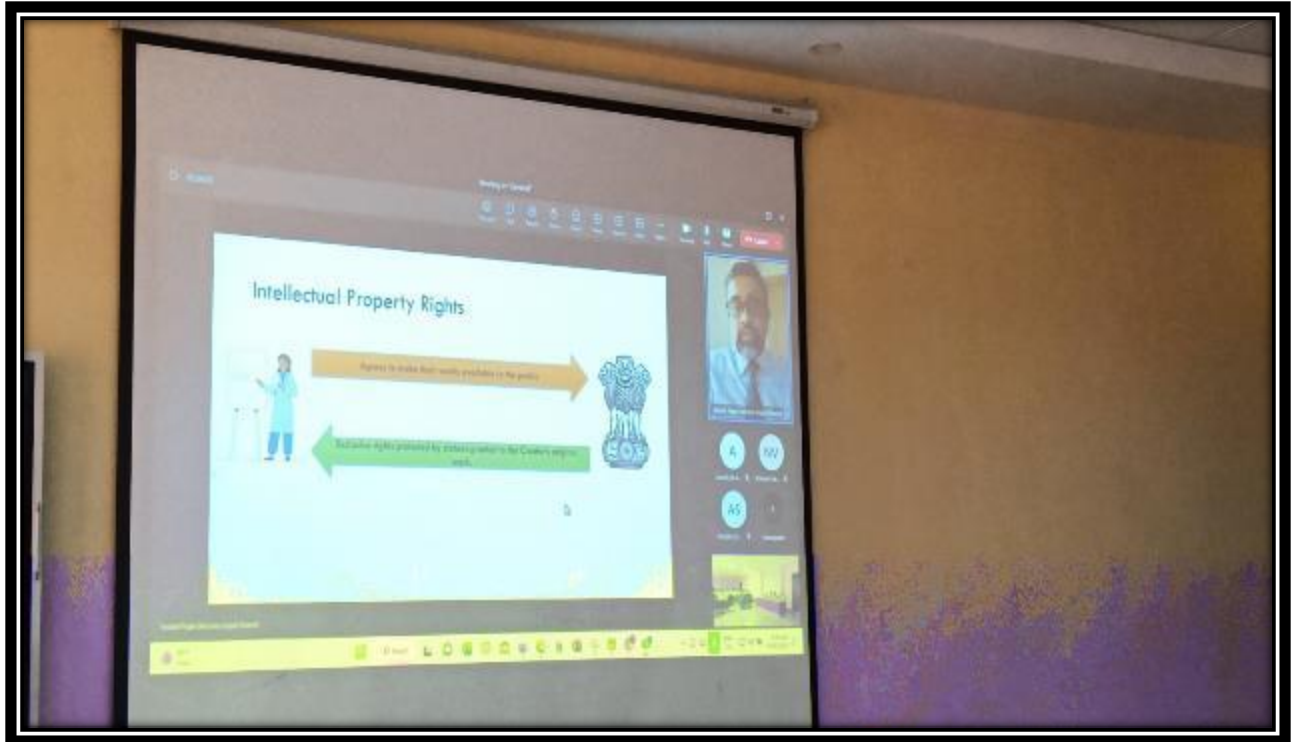
**Mr. Vedant Pujari, Accures Legal, Founding Partner**



**Faculty Members & Students attending workshop**

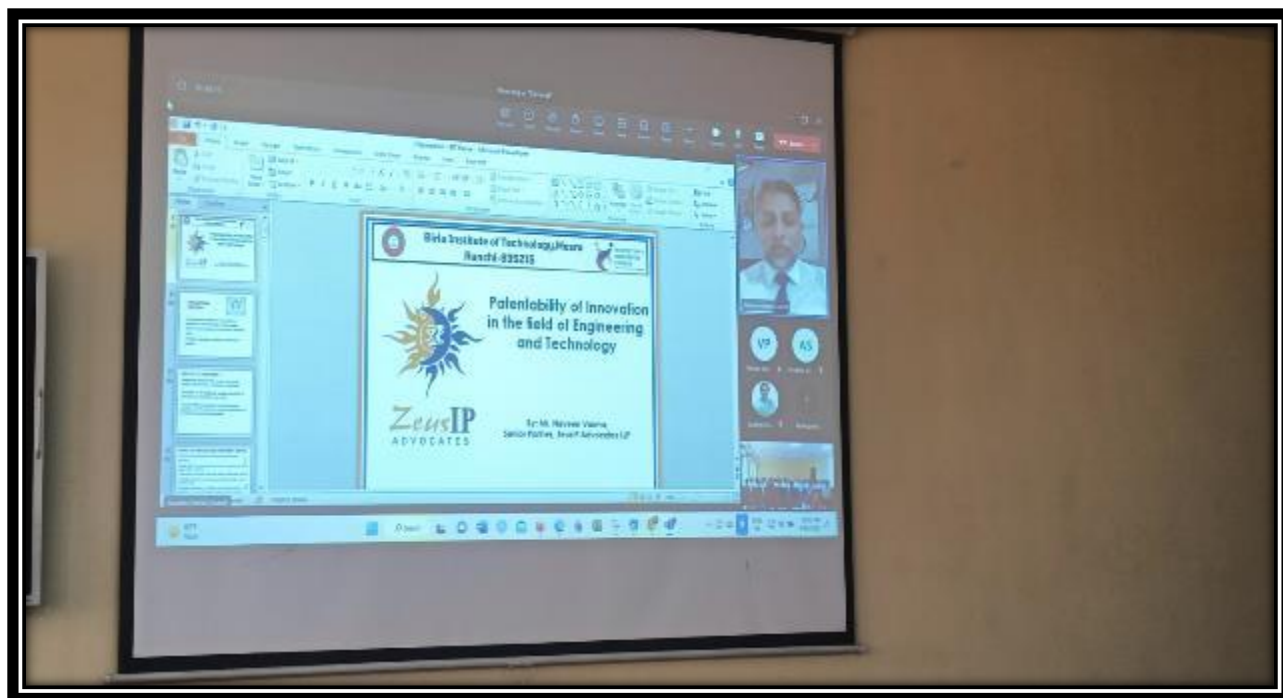






**Mr. Naveen Verma, Senior Partner, Zesus IP Advocates, LLP**





## **Celebration of National Technology Day**

**11.05.2023**

On May 11, 2023, from 9:40 am to 3:00 pm, the institution's Innovation Council, BIT Mesra (IIC-BIT), organized a celebration of National Technology Day at R&D Building Seminar Hall -1 BIT Mesra Ranchi. We welcome ATL mentee school students (Std IX-XII) from DAV, Gandhi Nagar, DAV Hehal, Itki Road Ranchi, and Jawahar Navodaya Vidyalaya Mesra Ranchi to participate in this forum as part of National Technology Day as an ATL mentor school of MoE's, Innovation Cell, Government of India. The ATL school students participated in this National Technology Day event by bringing their operational Innovative prototype models and show and present their performance with the product. The prototype product was reviewed by the IIC President and IIC Faculty members, who also presented several awards. The pupils received participation and merit certificates for presenting their creative work. Prizes for the best models were given to the top three teams. Dav Gandhi Nagar Students won the first award, followed by Jawahar Navodaya Vidyalaya for second place and DAV Hehal, Itki Road Ranchi for third place.

**IIC- BIT MESRA**  
Celebrates  
**National Technology Day**  
**11th May 2023**

**Prof. Indranil Manna**  
Vice-Chancellor BIT Mesra, Ranchi

Timing - 9:40 am Onwards  
R&D Building, Seminar Hall-I BIT Mesra, Ranchi

During this event Hon'ble Vice-Chancellor Prof. Indranil Manna, has preside over the function as a Chief Mentor and also addressed the students on the occasion of celebrating National Technology Day on 11.05.2023 through online. The guest of honor Dr. Kunal Mukhopadhyay Dean (DoFA) welcomed to students and address the importance of technology innovation. Dr. C. Jeganathan, Dean, RIE & President, IIC BIT talked about the what are the important of technology and if new technology invented that how to patent file for their product. Dr. Praveen Mishra, Member, IIC BIT Mesra has given a vote of thanks. The total 55 students were participated and around 16 Innovative prototype model has been displayed during this celebration of National Technology Day.

### **Inauguration Ceremony- National Technology Day**





**Addressed by Dr. Kunal Mukhopadhyay Dean (DoFA**



**Addressed by Dr. C. Jeganathan, Dean, RIE & President, IIC BIT**



**Faculty Members & School students pic**



**Students Presenting their developed IT APP and Design**



**Students Displayed their prototype model**











**Prize Distribution**





**Group PIC- ATL Mentee School of IIC BIT Mesra**



# **One Week Outreach Program on Microelectronics & VLSI Design (MVD-2023)**

Organized by

**Department of Electronics and Communication Engineering &  
Institution's Innovations Council, BIT Mesra Ranchi**

**FROM 15-19TH MAY 2023**



A One-Week outreach program on Microelectronics and VLSI Design (MVD2023) for UG/PG/Ph.D./Faculty/Scientists was offered by the Department of ECE at BIT Mesra and Institution's Innovation Council (IIC), Ministry of Education Initiative from May 15–19, 2023, in support of the national aim to make India self-reliant in the production of semiconductors, displays, and VLSI technology. First of all, we extend our heartfelt gratitude towards our honorable Vice Chancellor Prof. Indranil Manna, for allowing us to organize this outreach program, and also thankful to Prof. S.S Solanki, HOD ECE for his encouragement and positive support. The Program was inaugurated by Prof. Kunal Mukhopadhyay, Dean of Faculty Affairs BIT Mesra. We are thankful to the Institution's Innovation Council, BIT Mesra for their support with the aim to make India self-reliant in the production of semiconductors, displays, and VLSI technology. We also Thank Prof. C. Jeganathan, Dean, RIE for Financial and Technical support. This curriculum included in-depth theoretical as well as practical elements of cutting-edge VLSI tools and technology. The applicants were given access to a small number of seats. The selection process was first come, first served.

**INAUGURAL SESSION OF MICROELECTRONICS & VLSI DESIGN (MVD-2023)**



*Schedule of MVD-2023*

## One-Week Outreach Program on Microelectronics & VLSI Design (MVD-2023)

Department of Electronics & Communication Engineering  
Birla Institute of Technology, Mesra, Ranchi-835215(Jharkhand) India  
Duration: 15th – 19th May, 2023

Time/ Day	10:00AM to 11:15AM	11:15 AM to 11:30 AM	11:30AM to 12:45 PM	12:45 PM to 02:15 PM	02: 15 PM to 03:30 PM	03:30 PM to 03:45 PM	03:45 PM to 05:00 PM	05:00 PM to 06:15 PM
15/05/23 Monday	Inaugural Session Prof. S. S. Solanki & Dr. Sanjay Kumar	T E A  B R E A K	Dr. Vijay Nath (India Semiconductor Mission)	L U N C H  T I M E	ETB, Samuel J Harrison (Uses of VLSI Design in IoT)	T E A  B R E A K	Dr. Amit Krishna Dwivedi (Embedded System)	VLSI Lab: (Dr. Vijay Nath & HK, DS, TSR, NA) & ESD Lab: (Dr. Santashraya Prasad & DK, MLP, MK)
16/05/23 Tuesday	Dr. Vijay Nath (Chip Design)		Dr. Deepti Gola (MOS Modeling)		VLSI Lab: (Dr. Vijay Nath & HK, DS, TSR, NA) & ESD Lab: (Dr. S. Prasad & Dr. Deepti Gola & DK, MLP, MK)			
17/05/23 Wednesday	Dr. Richa Mishra (IC Fabrication Technologies)		Dr. Dilip Kumar Singh (Nanoscale Devices)		CIF & Physics Lab Visit : (Dr. Dilip Kumar Singh, MKS, MS, RKP)			
18/05/23 Thursday	Dr. Aminul Islam (Memory Design)		Dr. Vimal Kumar Singh Yadav (Printed Micro Resistors and Diodes)		VLSI Lab: (Dr. Vijay Nath & HK, DS, TSR, NA) & ESD Lab: (Dr. Aminul Islam & DK, MLP, MK)			
19/05/23 Friday	Prof. S.S. Pathak (Signal Processing)		Dr. Raj Kumar Singh (Semi-Conductor_MOOC)		Technology Demo by Integrated Microsystem		Feedback & Valedictory Session	

DK: Mr. Dharendra Kumar; HK: Mr. Hiranmay Kar; DS: Ms. Divya Sharma; TSR: Mrs. T. Snehitika Reddy; NA: Mrs. Nikhat Anjum; MLP: Mrs. Manisha Pandey; MK: Mukesh Kumar; MK: Ms. Manisha Kumari; MKS: Mr. Manish Kumar Singh; RKP: Mr. Rakesh Kumar Prasad

(Prof. & Head, ECE)  
02-05-2023

Dr. Vijay Nath, Associate Prof. Birla Institute of Technology, Mesra



MOS Modeling Dr. Deepti Gola, Assistant Prof. Birla Institute of Technology, Mesra





*Embedded System Lab*



*VLSI Design Lab*



*Antenna Lab*



*Valedictory Session speakers*







## **Workshop on Intellectual Property Rights (IPRS) 27<sup>th</sup> May 2023**

On 27<sup>th</sup> May 2023, from 10:30 am to 1:00 pm, the Institution's Innovation Council, BIT Mesra (IIC-BIT), organized one-day workshop in offline mode i.e., '*Intellectual Property Rights (IPRS)*' at R&D Building Seminar Hall -I BIT Mesra Ranchi. In this workshop the Yogoda Satsanga Mahavidyalaya students Semester II were attended. The welcomed address was given by Dr. K Sridhar Patnaik, convenor IIC-BIT and the workshop speaker Dr. Ashoke Sharon, Professor & Head, Chemistry Department & IPR Convenor of BIT Mesra talked about the Important of IPR and what are the process of patent file if they invented new product or any new design of the product. Dr. Ashok also told to students and their faculty members if they are invented any product so, IIC-BIT will also help to filing of patent. Dr. Sharon also discussed about the Innovation and creativity produce Intellectual Property (IP) in the form of patents, know-how, copyrights, designs, software's and other inventions, which can be commercially exploited either with or without registration under Patents Act/Copyright act. After the workshop the students' visited the Rocketry Dept. & AICTE Idea lab. The total 30 students were participated of this workshop.



# Birla Institute of Technology Mesra Ranchi



## Workshop on **INTELLECTUAL PROPERTY RIGHTS (IPRS)**

**27th May 2023**

**Seminar Hall-1  
R&D Building, BIT Mesra Ranchi**

**Dr. Ashoke Sharon**



**Professor and Head  
Chemistry Dept. &  
IPR Convenor, BIT Mesra**

**Time : 10.30 am onwards**

**Dr. K Sridhar Patnaik, Convenor, IIC-BIT welcomed the students**



**Dr. Ashoke Sharon, Professor & Head, Chemistry Department & IPR Convenor of BIT Mesra**





**Yogoda Satsanga Mahavidyalaya Students & Faculty Members**



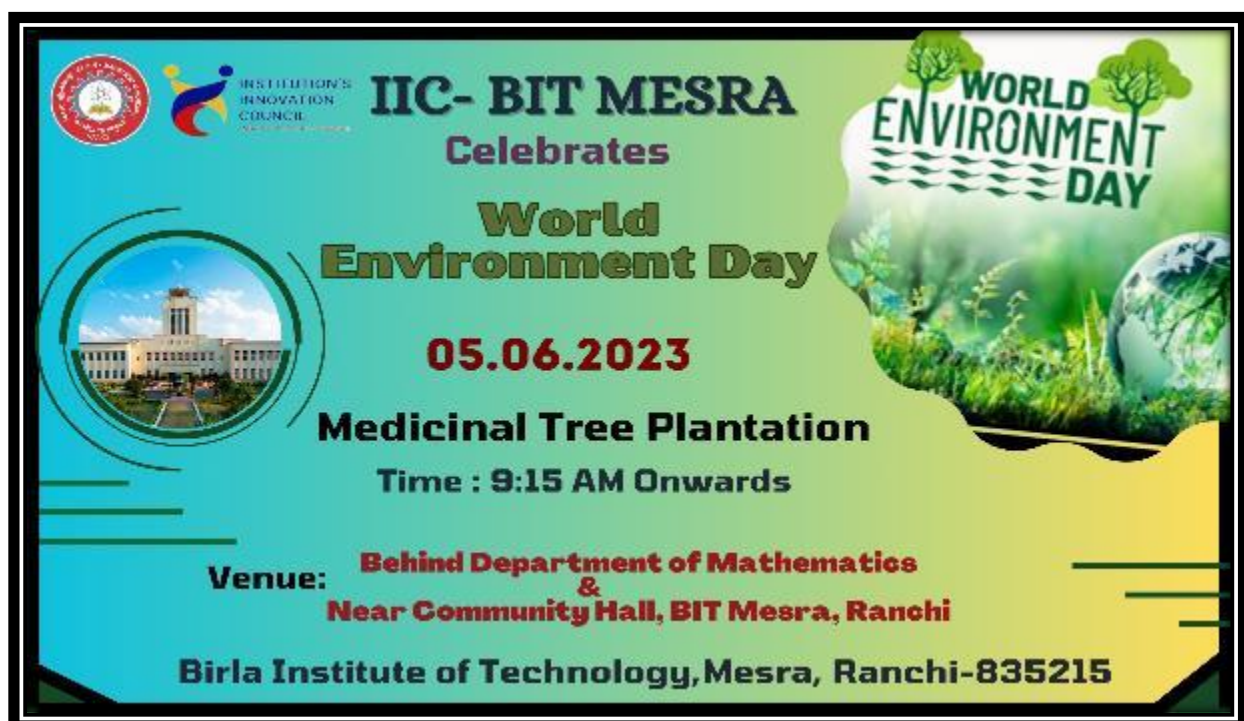




# World's Environment Day

05 June 2023

Institution's Innovation Council BIT Mesra Ranchi celebrated the World's Environment Day on 05 June 2023 focusing on Mission Life. The celebration started with medicinal tree plantation where Hon'ble Vice Chancellor BIT Mesra Prof. Indranil Manna, and Dr. C. Jeganathan, Deans, RIE of the Institute planted medicinal trees. Some of these trees were: Cinnamon, Clove, Bay Leaf, Black Turmeric, Black Pepper, Lemon Grass, and Cardamom. The overall objective was to create awareness amongst the young generation towards the ayurvedic significance of these plants and their importance in day today life. Programme was participated by 45 persons.



Students participated in Poster making session on the theme "Plastic Management". First Prize won by Mr. Paritosh, a PhD scholar who is working on recycling plastic in concrete aggregates. The second Prize was given to Ms. Kanchan Lakra who highlighted the role of various organizations in recycling plastics to create useful products. The third prize winner Ms. Gargi Mondal showed a poster of impacts of micro plastic on environment.

Students also participated in Waste to Model Making session. First prize winner Ms. Mala Kumari used plastic waste to create a model on RRR concept. Ms. Garima Chaturvedi won second prize by developing a model of a plastic fan using waste bottles. Third prize winner Ms. Uzma Azim won a prize on creating a model of types and shelf life of various plastics. Various movies on the theme of the World Environment Day were played for the student audience. More than 45 students witnessed the event. Youth Perception on Environment and Sustainability was organised where



students from UG, PG and PhD level shared their ideas on sustainability. Event concluded with the prize distribution ceremony.

### Event 1: Medicinal Tree Plantation

**Cardamom:** Aiding digestion, providing antioxidants, reducing inflammation, promoting oral health, improving respiratory health, enhancing heart health, controlling blood sugar, relieving stress, and supporting detoxification.

**Clove:** analgesic properties, antimicrobial effects, digestive aid, respiratory health support, anti-inflammatory effects, blood sugar regulation, antioxidant properties, oral health benefits, menstrual health support, and immune system support.

**Turmeric:** antioxidant activity that reduces the risk of chronic diseases, pain relief for joint pain and inflammation, wound healing properties, benefits for skin health, potential improvements in brain health and cognition, positive effects on heart health, and immune system support.

**Bay leaf:** cardiovascular support by lowering LDL cholesterol, antimicrobial properties to inhibit bacteria growth, stress relief for relaxation, skin health benefits to soothe irritation, blood sugar regulation by improving insulin sensitivity, and digestive health support by stimulating digestive enzymes and relieving disruptions.

**Black pepper:** improved digestion and enhanced nutrient absorption due to its ability to stimulate digestive enzymes, as well as potential anti-inflammatory effects that can aid in pain relief and reduce inflammation.

**Lemon grass** offers medicinal benefits including its potential to aid digestion, relieve gastrointestinal discomfort, and its antimicrobial properties that can help fight against bacteria and infections. Additionally, it may have calming effects and promote relaxation.











## Event II: Poster Making





### Event III: Movie on Plastic waste management



### Event IV: Model Display



## Prize Distribution Ceremony



**National Level Project Competition**  
**“Innovation in Manufacturing Practices”- (IMP-2023)**

**Organized by**  
**INAE-SERB-BIT Mesra**

**26.06.23**

Institution’s Innovation Council, BIT Mesra (IIC-BIT) in association with Indian National Academy of Engineering and SERB organized a national level innovation contest i.e., “Innovation in Manufacturing Practices” (IMP-2023) on 26th June 2023. This innovation contest sponsored by Indian National Academy of Engineering, New Delhi. The main objective of this innovation contest is to provide a platform for engineering undergraduate, postgraduate students and startups/PhD scholars to showcase their project work related to innovations in manufacturing sector.

**Innovation in Manufacturing Practices**  
**IMP 2023**

*National Level Project Competition (IMP-2023) open to all Engineering students and practitioners under three categories, viz., Undergraduate students, Postgraduate students, Startups & Ph.D Scholars*

<p><b>UG</b> 1st Prize INR 40,000/- 2nd Prize INR 20,000/-</p>	<p><b>PG</b> 1st Prize INR 40,000/- 2nd Prize INR 20,000/-</p>	<p><b>Startup/Ph.D</b> 1st Prize INR 40,000/- 2nd Prize INR 20,000/-</p>
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**Last Date Form Submission**  
**12 June 2023**

**Registration Link**  
<https://forms.office.com/r/pX35Q3qH5c>

**Final**  
**26th June 2023**

**R&D Building, Seminar Hall-1, BIT Mesra, Ranchi**

A total of 62 teams were registered for this competition, and they have submitted three-minute video [.mp4] of their functioning model/process, operations, and description in 250-word write-up document. Out of this, 18 teams were shortlisted by the 3 members jury teams.



## Chief Guest & Panel of Jury Members (IMP-23)



Out of 18 teams shortlisted for making prototype product and 16 teams participated in the final evaluation, and presented their prototype product in the front of Jury members. Inauguration ceremony of “Innovation in Manufacturing Practices” (IMP-2023) event started at 9:30 A.M. in the Seminar Hall-I, R&D Building of BIT, Mesra. The Chief Guest of the session was Professor Sivaji Chakravorti, Vice President, INAE, and the guest of honor cum Jury members were Dr. Hariharan, Former General Manager, HRD - MTI SAIL Ranchi, Dr. P.K. Chatterjee Former Chief General Manager, MECON Ltd., Ranchi and Mr. M.K. Gupta, Principal, Jharkhand Tool Room, Govt of Jharkhand.

The session began with the welcome address by Dr. C. Jeganathan, Dean, Research Innovation & Entrepreneurship and President, IIC BIT. He welcomed the dignitaries and briefed about the competition and about the details of various participating institutions. Then three jury members of IMP-23 addressed the gatherings and stressed about the need for Innovation in India’s Manufacturing Industry.

The chief guest of IMP Prof. Sivaji Chakravorti revealed the importance of IMP and opportunity for young engineers and entrepreneur in this national level project competition.

Professor Indranil Manna, Vice Chancellor, BIT Mesra also addressed the audience with the vital information about India’s glorious past, and the need for sustaining the GDP through manufacturing industry as the manufacturing sector in India only provides 16% of the GDP, while

the service sector contributes 55% and promoting manufacturing can serve to strengthen national security, provide job opportunities, and stimulate the economy sustainable. Professor Indranil Manna, Vice Chancellor, BIT Mesra presented Memento as a token of gratitude to all the jury members and to Chief Guest, and after that Dr. Richa Pandey, Assistant professor, Mechanical Department delivered the vote of thanks.

### **Address by Vice Chancellor, BIT Mesra Ranchi**



### **Address by Prof. Sivaji Chakravorti, Vice-President INAE**



**Token of Appreciation to Chief Guest -Prof. Sivaji Chakravorti, Vice President, INAE by Prof. Indranil Manna, Vice-Chancellor, BIT Mesra**



**Address by Dr. C. Jeganathan, Dean RIE, BIT Mesra**





**Vote of Thanks by Dr. Richa Pandey, Co-Convenor IIC-BIT**



## Pitching session Undergraduate Category

Sustainable EV Development-

A wheelchair Turned into an Electric Vehicle with Technological aids for accessibility both for the differently abled and the present generation





## Pitching session Undergraduate Category

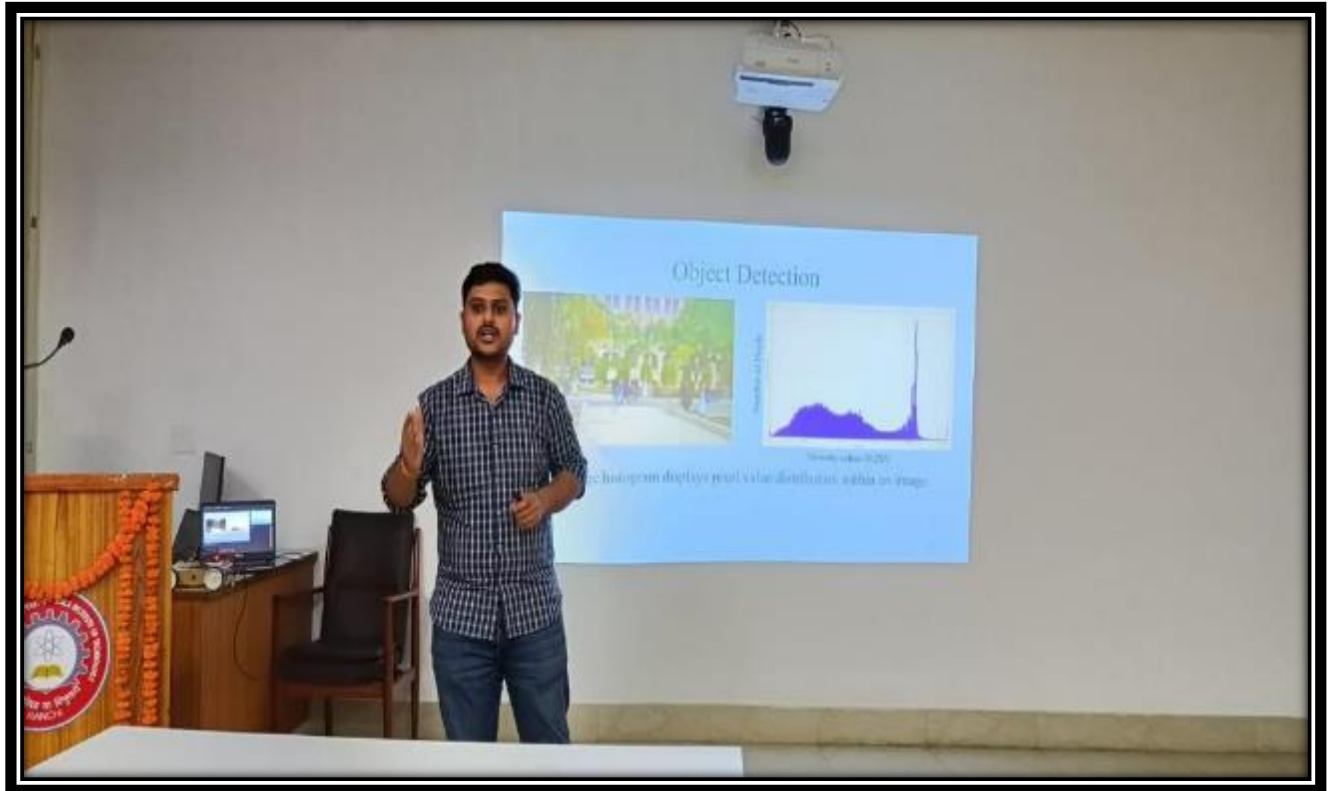
Cutting-edge, revolutionary, game-changing, advanced technology, optimized efficiency, enhanced safety, real-time monitoring, next-generation drilling rig, intelligent sensors.





## Pitching session Postgraduate Category

Improved monitoring tool to detect moving objects in a video frame in real time and with improved noise reduction using Gaussian Mixture Model which can be used for Surveillance purposes



## Pitching session Startup/Ph.D. Category

Early Detection: Feel the presence of trace quantity of target molecules in body fluids/Molecular imprinted polymer interfaced field effect transistor sensing for enhanced selectivity, stability and sensitivity



### Medical Device Prototype-Red Reflex Retinoscope Testing Device



Each pitch was followed by a set of rigorous questions from the Jury members. The presentations covered a number of enthralling areas such as "Red reflex test prototype",

'Fortification of whole rice grain", "Electronic Virus Detector", "Optical coherence elastography", "Synthesis of polysaccharide hydrogel beads via green chemistry", etc.

## **Award Ceremony-IMP**

The evaluation process was successfully carried out by all the Jury members in the presence of Prof. Sivaji Chakravorty, and all participants. The final Award Ceremony was conducted in the evening. Shri N. C. Agrawal, CEO of Meditron, Ranchi, was the Chief guest of this valedictory function. Shri N.C Agarwal addressed the gathering with his own experience in the entrepreneurial journey, and motivated with his wisdom and congratulated all the participants.



The final results of this IMP-23 were announced by the Vice President of INAE Prof. Sivaji Chakravorty. The winners in the Undergraduate category: first prize was awarded to Ankit Niraj Pandey and Team from Parul University, Gujarat for their Project on “Drilling Technology”, and the second prize was awarded to Bogi Manish Kumar and Team from IIT(ISM) Dhanbad for their project on “AI Chat/GPT and Robotics”. In the Post-Graduate Category: first prize was awarded to Pranjal Pandey and Team from BIT Mesra for his project on 'AI, Chat/GPT and Robotics', and the second prize was awarded to Ms. Nistha Mukhopadhyay and Team from BIT Mesra for their project on “Biodegradable Packaging Paper from Waste Material.” In the final category comprising Start-ups/PhD first prize was awarded to Piyali Mukherjee and Team from IEST Shibpur, Kolkata for their project on “Healthcare Diagnostics”, and the joint-second prize was shared between Akanksha Kumari and Team, BIT Mesra and Sweta Satpathy and Team BIT Mesra for their projects on “Key Intervention to Solve Micronutrient Deficiencies” and “High-Speed



Non-Invasive, Biomechanical Profiling for Medical Purposes”, respectively. The prizes were distributed by the Chief Guest, Shree N. C. Agrawal.

### Photos of Award Ceremony



### Group Pic of Winning Teams



**Group Picture of all Members**



**Undergraduate Applicants**

SL No.	Applicants Name	Theme Area Topic	Institution Name	Remark
1	Ankit Niraj Pandey/VimanshiBadwaniya/Sanjana Solanki/Darshak Patel/ Yagnesh Jagatiya	Drilling Technology	PARUL Institute of Technology, Gujarat	<b>1<sup>st</sup> Prize</b>
2	Bogi Maneesh Kumar	AI, Chat GPT & Robotics	IIT(ISM) Dhanbad, Jharkhand	<b>II Prize</b>

## Winner List Postgraduate Applicants

SL No.	Applicants Name	Theme Area Topic	Institution Name	Remark
1	Pranjal Pandey,Rakesh Kumar Prasad,Saurav Dubey	AI, Chat GPT & Robotics	BIT Mesra	<b>1<sup>st</sup> Prize</b>
2	Ms. Nistha Mukhopadhyay	Biodegradable packaging paper from waste material	BIT Mesra	<b>II Prize</b>

## Winner List Startup/Ph.D. Applicants

SL No.	Applicant Name	Theme Area Topic	Institution Name	Remark
1	Ankanksha Kumari,Arunima Mukherjee,Md. Shoaib Akhtar	Key intervention to solve micronutrient deficiencies	Birla Institute of Technology Mesra, Ranchi (Ph.D)	<b>Joint II Prize</b>
2	Piyali Mukherjee& Team	Healthcare diagnostics	Indian Institute of Engineering Science & Technology, Shibpur, Howrah. (Ph.D)	<b>1<sup>st</sup> Prize</b>
3	Sweta Satpathy& Team	High-speed , non-invasive , biomechanical profiling for medical purposes	Birla Institute of Technology, Mesra (Ph.D)	<b>Joint II Prize</b>



## Poster Exhibition

### “Disruptive Science for Sustainable Development”

15 July 2023

Institution’s Innovation Council BIT Mesra organized an outreach event under S20 initiative poster exhibition on 15 July 2023 at BIT Mesra Ranchi. In this regard, Institution Innovation Council BIT Mesra proposed a Poster Exhibition under the title “Disruptive Science for Sustainable Development” as envisaged by INSA with three themes; (a) Clean Energy for a Greener Future; (b) Universal Holistic Health and (c) Science for Society and Culture. This poster exhibition was inaugurated by His Excellency Shri C.P. Radhakrishnan, Honorable Governor of Jharkhand on 15th July 2023. Faculty at BIT Mesra are carrying out diverse research projects sponsored by government and private agencies. This research work under these 3 themes of S20 for this Poster Exhibition. There were 80 posters displayed in this exhibition. The G20 and S20 related background posters were also placed at the entrance as well as at many places within the venue to promote the G20 Presidency of India and Vision of S20.



Prof. Indranil Manna, Honorable Vice Chancellor of BIT Mesra briefed the Governor about G20 and S20 initiatives, its importance, and about BIT’s research alignment towards the efforts of S20. Dr. C. Jeganathan, Dean of Research, Innovation and Entrepreneurship & President, IIC BIT

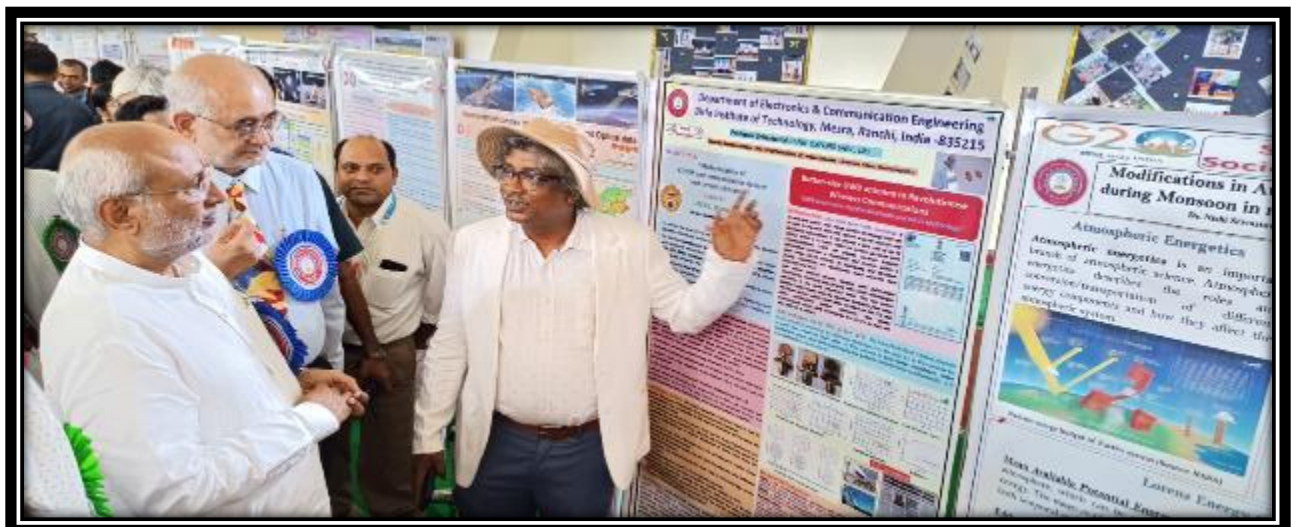
Mesra showed BIT's achievements & Product Innovation developed by faculty members and briefed about the exhibition content. Prof. Indranil Manna accompanied the Governor towards each of the posters displayed in the exhibition. Honorable Governor was very eager to know about outcome of each of the research activities under 3 themes, and he appreciated the faculty for their efforts.

**His Excellency Shri C.P. Radhakrishnan, Honorable Governor of Jharkhand**





**His Excellency Shri C.P. Radhakrishnan, Honorable Governor of Jharkhand Interact with the Faculty Members**







Overall, the S20 poster exhibition was a grand success in achieving its aim of spreading information about advanced scientific efforts happening in India, as well as its real-life application for achieving sustainable development through clean energy, holistic health and societal development. The researchers of BIT, Mesra has dedicatedly contributed in taking India's scientific efforts in the direction of S20, G20 so as to make progress towards achieving Sustainable Development Goals.

## Robotics, Tech & Entrepreneurship 12<sup>st</sup> August 2023

Institution's Innovation Council BIT Mesra in collaboration with EDC organized seminar in the areas of **Robotics, Tech & Entrepreneurship** on 12<sup>st</sup> August 2023. The speaker session featuring ROSA Tech founders Mr. Rohit Anand and Mr. Sanket Anand provided a transformative experience for participants, offering a glimpse into the future of technology and its intersection with entrepreneurship. Through insightful discussions, attendees gained invaluable guidance on leveraging technology to drive growth for small businesses. The founders' firsthand accounts of overcoming challenges served as a wellspring of inspiration, motivating participants to adopt innovative problem-solving approaches.

The poster is for a seminar titled "BEYOND THE BLUEPRINT". It is organized by the Entrepreneurship Development Cell at BIT Mesra, Ranchi. The event is scheduled for August 12th at 11 AM in Seminar Hall 1. The speakers are Rohit Anand, Founder and CEO of ROSA Technology Pvt. Ltd., and Sanket Anand, Co-founder and COO of ROSA Technology Pvt. Ltd. The poster includes contact information for Anudeep (8969467056) and Mugdha (7985240065), and the social media handle @edcbitmesra. Logos for INVENTOR'S FORCE, IDEALab, and ROSA are also present.

ENTREPRENEURSHIP DEVELOPMENT CELL  
BIT MESRA, RANCHI  
www.edcbitmesra.in

**BEYOND THE  
BLUEPRINT**

12th August | 11 AM | SEMINAR HALL 1

Entrepreneur | Developer  
**ROHIT ANAND**  
FOUNDER AND CEO, ROSA TECHNOLOGY PVT. LTD.

Entrepreneur | Coordinator  
**SAKET ANAND**  
COFOUNDER AND COO, ROSA TECHNOLOGY PVT. LTD.

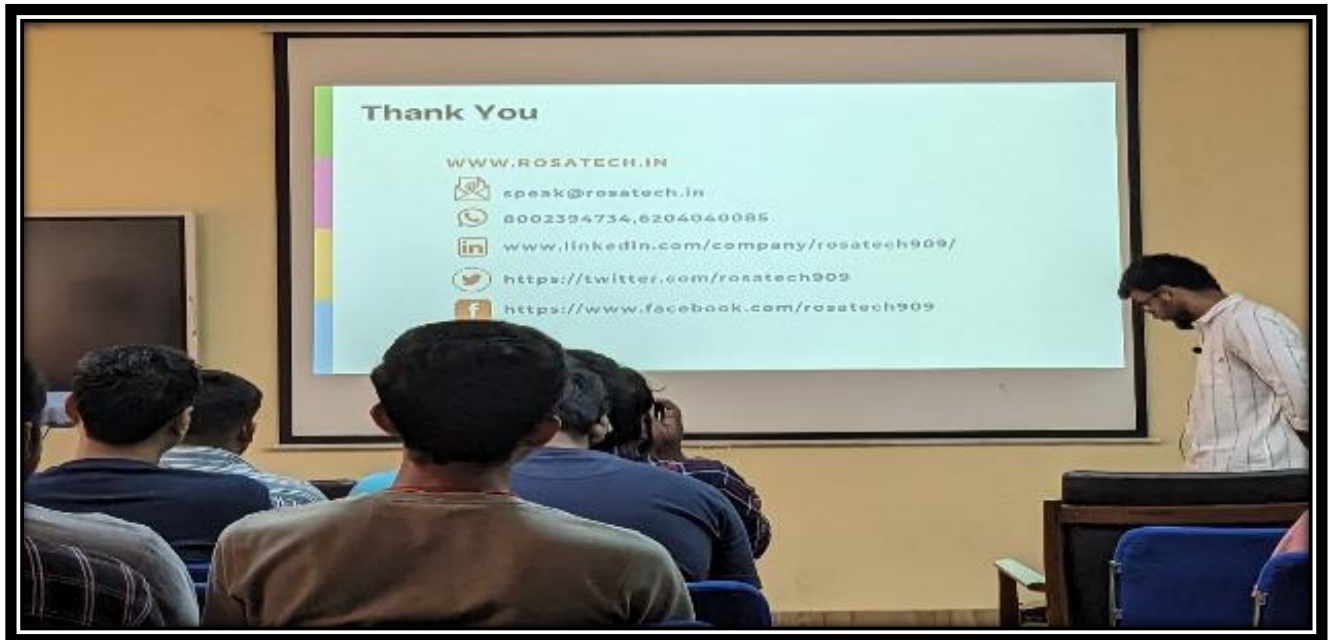
ANUDEEP : 8969467056 | @edcbitmesra | MUGDHA : 7985240065

The event facilitated networking, fostering connections among diverse industry professionals. Addressing ethical considerations around human-robot collaboration added depth to the discourse. Overall, the session cultivated an innovation-centric mindset, empowering participants with practical strategies, a deeper understanding of tech's impact, and renewed confidence to embrace change in the dynamic business landscape.

Academic Year	2023-2024
The program is driven by	Entrepreneurship Development Cell (EDC), BIT Mesra
Activity Name	<b>Beyond the Blue Print</b>
Program Type	Speaker Session
Program Theme	<b>Robotics, Tech &amp; Entrepreneurship</b>
Program Start Date	12/08/2023
Program Ending Date	12/08/2023
Number of Students Participants	70
Number of Faculty Participants	3
Number of Expert Participants if any	2
Expenditure	
Remark	During the exclusive session, we delved into the future of tech and shared invaluable insights on how small businesses could effectively harness technology to drive growth and success. Drawing from their own entrepreneurial journeys Mr. Rohit Anand and Mr. Sanket Anand offered guidance on overcoming challenges and seizing opportunities in the dynamic business landscape.
Objectives	<ul style="list-style-type: none"> <li>To discuss the future of tech and finding entrepreneurial opportunities.</li> </ul>
Benefits in terms of learning/skill/knowledge development	This speaker session proved to be immensely beneficial for the participants, offering them a wealth of knowledge and inspiration to navigate the intricate landscape of technology and entrepreneurship. Here's how the session helped the participants.
Program Coordinator(s)	1. Vishal H Shah

<i>Event Name:</i> Speaker Session	<b>Topic: Entrepreneurship and Technology</b>
<i>Key Learning and Take-Aways:</i> Participants gleaned insights on tech's transformative power, adaptability, practical tech integration, innovative thinking, ethical tech use, networking, strategic problem-solving, emerging trends, entrepreneurial resilience, and collaborative ecosystems. These takeaways equip them to navigate a tech-driven future with confidence and creativity.	





## Entrepreneurship and Technology



## Independence Day Celebration Activities

**15<sup>th</sup> August, 2023**

Institution's Innovation Council of Birla Institute of Technology Mesra organized competitive cultural events on the eve of Independence Day on 15<sup>th</sup> August, 2023 (during 11 am-1 pm) to mark the celebration of 77<sup>th</sup> Independence Day. For the event a budget of Rs. 27,000/- was sanctioned by Honorable Vice-chancellor and was utilized.



Three competitions were organized around the theme of Independence Day (a) Painting competition (b) Dance and singing competition and (c) Extempore. The participants included students from college campus, wards' children's and students from ATL schools being mentored by BIT Mesra. Nearly 35 students from JNV Mesra and 16 students from DAV Public school Gandhinagar in addition to 90 students from campus participated in the events.

First two events (a) painting and (b) singing and dance was organized in 04 different age groups (i) upto 06 years (ii) 6-12 years (iii) 12-17 Years and (iv) above 17 years while the third event was open to any one above 15 years. Maximum participation was in the painting competition (~ 76 participants), followed by music (11 participants), dance (17 participants) and 12 participants for the extempore. Prizes were given in each age group with 27 total number of prizes to encourage students. A pool of 12 judges from various departments of the institute selected the winners. In the painting competition, age-group wise topics were given like (a) Paint the "National flag" for participant's upto age of 06 years (b) "Nature of India" for 07-12 years (c) Colorful India for 13-17 years old and (d) India Global leader for participants above 17 years. All the participants of the painting competition were provided with the basic tools.



In the extempore completion, students were asked to speak on a topic drawn through lottery for 03 minutes. Participants shared their views on topics like privatization: a solution for Indian Economy or failed governance, Should we participate to become a developed Nation? Impact of demonetization, Evil brought by the Foreign Medium, Technological challenges for India in upcoming decade, Disaster Management in India: New steps required, What can Narendra Modi do to stop engineers from going for MBA to support his make in India? Is Manipur issue: A conspiracy of current Government? Recent Initiative by the Government, Impact of New Education Policy, General Elections 2024: Our expectations from New Government, Negative obsession with Artificial Intelligence. Prizes were distributed by the Prof. C. Jeganathan Dean RIE & President, IIC, BIT Mesra, Dr. Sridhar K. Patnaik, Convenor IIC BIT Mesra, Dr. Dilip K. Singh, Event Co-ordinator and Members of IIC, BIT Mesra. Vote of thanks for the event was shared by Mr. Vishal K. Shah, Assistant professor (Dept. of ECE). During the conclusion of the event, snacks was served to all the attendees.

**Fig. 1 Photograph of the participants of the dance competition**



**Fig. 2 Participants making paintings on the eve of Independence Day**



**Fig. 3 Students participating in singing and dance competition from ATL schools being mentored by BIT Mesra.**





**Fig. 4 Students participating PIC**



**Fig. 5 Evaluation, Prize distribution and vote of thanks**





## Departmental Lab Visit for Institution 's Innovation Council ATL School Students

18.08.2023

Institution's Innovation Council BIT Mesra organized departmental Lab Visit for Institution's Innovation Council (IIC) Ministry of Education (MoE), Govt. of India ATL School Students i.e., DAV Gandhi Nagar Ranchi, DAV Hehal Ranchi & Jawahar Navodaya Vidyalaya Mesra Ranchi on 18th August 2023 in BIT Mesra campus. The ATL School students visited the 4 departments i.e., Space Engineering and Rocketry Department, Production and Industrial Engineering Department, Central Instrumentation Facility Lab & AICTE Idea Lab. A total of 75 students participated in this visit. Dr. C. Jeganathan, Dean of Research, Innovation, and Entrepreneurship and President of the IIC BIT Mesra, briefed about the BIT Mesra as well as talked about the innovative products created by faculty members from the various departments and the significance of those products for preparing school children for careers in this field. Dr. Ashok Saran, Head, Chemistry department & IPR Coordinator to talk about the importance of Intellectual Property Rights and followed by Dr. Sridhar K. Patnaik, Convenor IIC BIT Mesra. Dr. Anand Pd Sinha, Co-Convenor, welcomed all the students along with their teachers and also gave vote of thanks for this interactive session of the ATL School students. The IIC Members make three groups for the students of departmental visit.



**Birla Institute of Technology  
Mesra Ranchi**

**INSTITUTION'S  
INNOVATION  
COUNCIL**

**Institution's Innovation Council  
Organized**

**DEPARTMENTAL LAB VISIT FOR  
IIC ATL SCHOOL**

DAV GANDHI NAGAR

JAWAHAR NAVODAYA VIDYALAYA

DAV HEHAL RANCHI

**18th August 2023**

**Time : 10:00 am onwards**

*Dr. C. Jeganathan, Dean of Research, Innovation, and Entrepreneurship and President of the IIC BIT Mesra & Dr. Sridhar K. Patnaik, Convenor IIC BIT*





**Visit in Production and Industrial Engineering Department**







*Visit in Central Instrumentation Facility Lab*







*Visit in Department of Space Engineering and Rocketry*



















# Innovate-A-Thon -Product Development

19/08/23

Institution's Innovation Council BIT Mesra in collaboration with EDC organized Innovate-A-Thon "Product Development" competition on 19<sup>th</sup> August 2023. The total 10 teams were participated for this Innovative product development.



Academic Year	2023-2024
The program is driven by	Entrepreneurship Development Cell (EDC), BIT Mesra
Activity Name	Innovate-A-Thon
Program Type	Hackathon
Program Theme	Agriculture

Program Start Date	19/08/23
Program Ending Date	19/08/23
Number of Students Participated	30
Number of Faculty Participants	05
Number of Expert Participants if any	NIL
Mode of Delivery	Offline venue: AICTE IDEA lab, Near BIT Polytechnic Mesra
Remark	Innovate-A-Thon aimed at product development and pushing the participating teams to their limit to innovate and thus apply their knowledge to solve real world problems.
Objectives	<ol style="list-style-type: none"> <li>1. To check the knowledge and how well the participants can apply their knowledge.</li> <li>2. To encourage participants to gain knowledge, solve real-world problems and shift their mindset from being a consumer to someone who is capable of developing a product.</li> </ol>
Benefits in terms of learning/skill/knowledge development	Innovate-A-Thon made participants strain their brains. Helped them develop quick thinking, gain knowledge of new tech and science, gain problem-solving skills, and develop an entrepreneurial mindset.
Program Coordinator(s)	1. Vishal H Shah

### Attachments

Video	
Photo	Attached Below
Summary Document/ Overall Report of the Activity	Attached Below

<i>Event Name:</i> innovate-a-thon	<i>Topic: Product Development</i>
<b><i>About the Event:</i></b>	

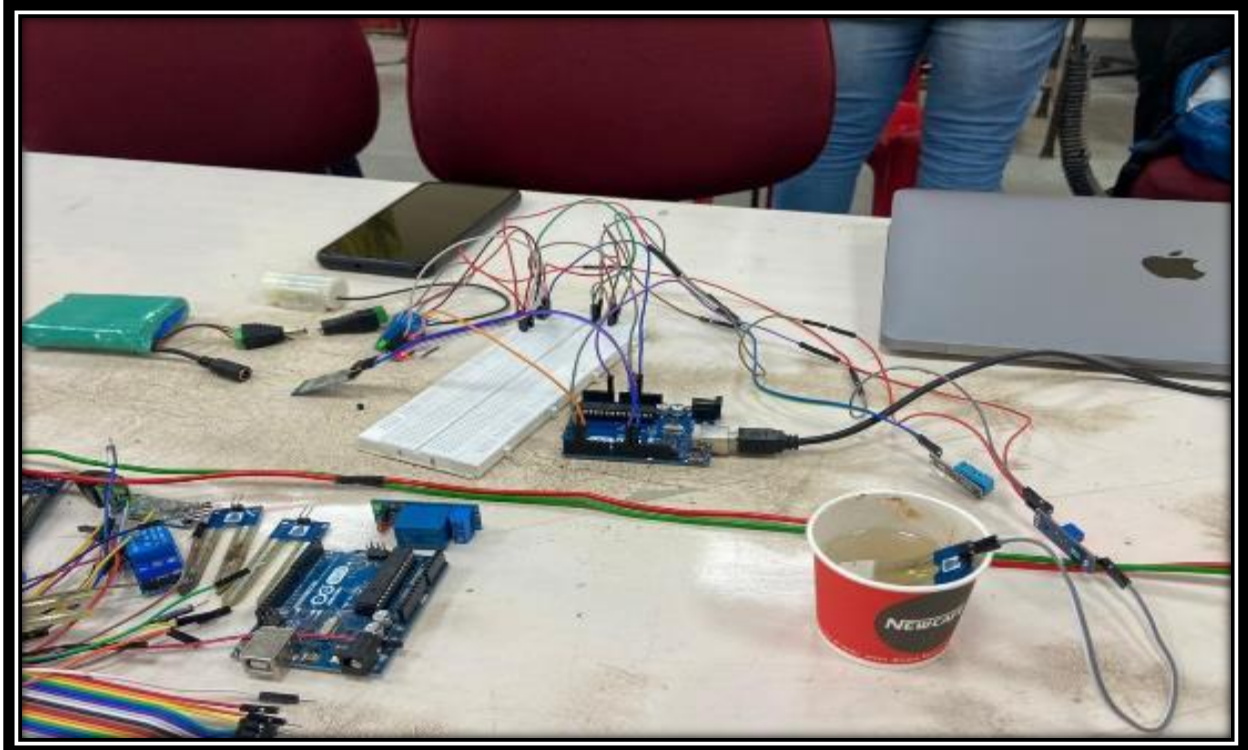


The event started off on Saturday at 9:30 am when the participating teams showed up with great enthusiasm and ready to face the tiring 24 hours challenge of developing a product on the theme “Agriculture”. The teams had already given a fundamental roadmap outlining the idea of their product. Along with the list of items they would require all of which were managed by EDC volunteers. By the next morning 6 teams were able to withstand and prepare amazing products. Judges selected the top three teams which was a very hard decision to make as all the teams have performed and developed exceptional products. At the end team 404 won the first prize followed by team Maverick and team Drunken Power as the first and second runner ups respectively.

***Key Learning and Take-Aways:***

The program turned out to be a huge success. Not only did participants participate in huge numbers, but they also gave their 100% towards winning the competition. The participants went through a very tiring and hard time as they had only 24 hours to develop their product from scratch and they thus learned how to face stressful conditions and use critical thinking, quick learning and perform well even being so tired and under constant pressure. All the teams did exceptionally well and their performance amazed the judges. In the end, the most important things that the participants learned were the value of knowledge, how to apply knowledge to solve real-world complex problems, and lastly the lesson that the most important thing is not to win but to try to cause every time you fail you move one step forward towards winning.











# World Entrepreneurship Day

## Startup Quiz Competition

21/08/23

Institution's Innovation Council BIT Mesra in collaboration with EDC organized Startup Quiz competition on the occasion of world Entrepreneurship Day on 21<sup>st</sup> August 2023.



Academic Year	2023-2024
The program is driven by	Entrepreneurship Development Cell (EDC), BIT Mesra
Activity Name	Startup Quiz
Program Type	Competition
Program Theme	Startup and general awareness
Program Start Date	21/08/23
Program Ending Date	21/08/23

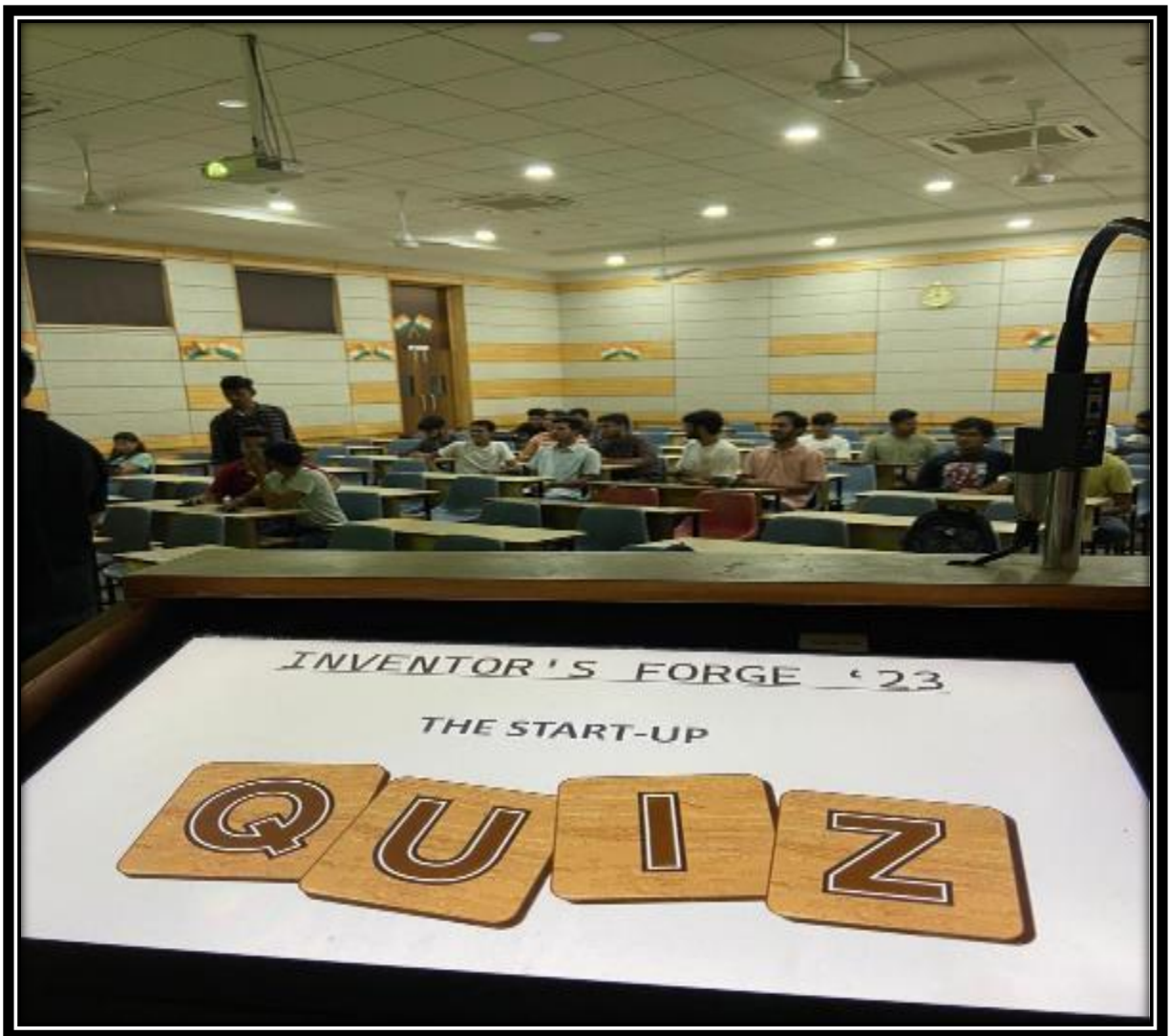
Number of Students Participants	48
Number of Faculty Participants	03
Number of Expert Participants if any	
Mode of Delivery	Offline venue: room no. 237
Remark	The quiz aimed at targeting enthusiastic student minds and putting their general knowledge and awareness of the entrepreneurial world to the test. It consisted of a variety of questions and different rounds, all of which made sure that the participants were at the edge of their seats and engaged in the competition.
Objectives	<ol style="list-style-type: none"> <li>1. To check participants knowledge of the entrepreneurial world.</li> <li>2. To make the participants mentally prepared for the quick-thinking world that lies ahead of them through the competitive nature of the quiz</li> </ol>
Benefits in terms of learning/skill/knowledge development	The quiz helped participants in their knowledge assessments as critical thinking and memory retention were the key. Furthermore, the quiz also helped students to learn about time management. The different rounds helped the participants to improve their thinking when faced with a variety of challenges.
Program Coordinator(s)	1. Vishal H Shah

<i>Event Name:</i> Startup Quiz	<i>Topic:</i> Competition
<i>About the Event:</i>	
<p>Round 1: was a simple quiz round having 11 questions with increasing difficulty and a large variety. The round focused on the general awareness of the entrepreneurial world and startups. Out of all the teams in round 1, seven qualified for round two.</p>	

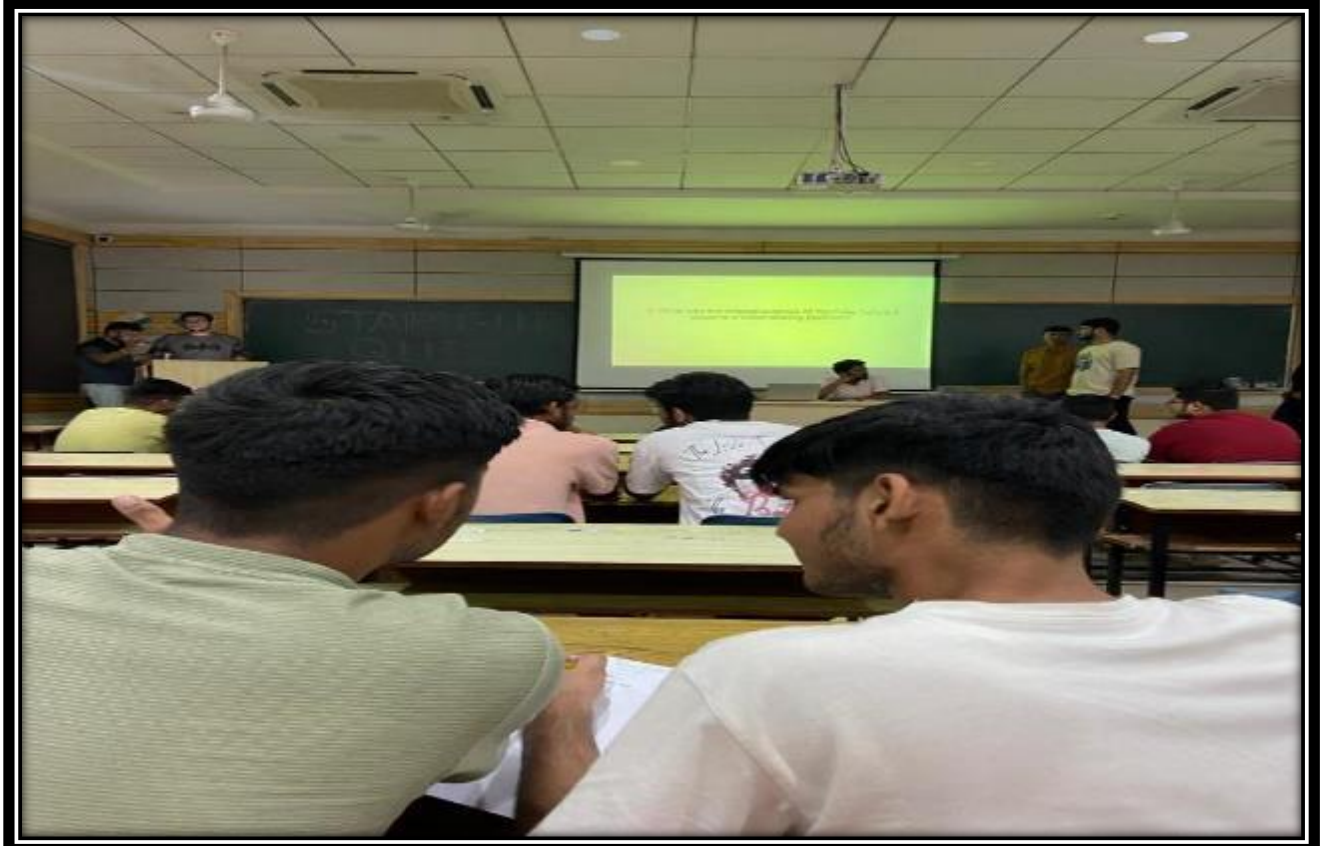
Round 2: focused more on quick thinking and quick recalling of knowledge by the participants. It was divided into two parts, the first being a pounce and bounce type and the other being a buzzer type. At the end of round 2 the team with the highest points won

*Key Learning and Take-Aways:*

The program turned out to be a huge success. Not only did participants participate in huge numbers, but they also gave their 100% towards winning the competition. Giving participants exposure to the competitive world and preparing them for it. Making the participants touch their limits and making them realize their true potential and how the knowledge they have is important to thrive and succeed in the modern world. And finally, participants understood what the real joy of competing in such competitions is, that is not to win but to participate.







# verve'23

25.08.23

## Collaboration with IIC BIT and Society for industrial management and engineering Birla institute of technology, mesra (Ranchi) inauguration ceremony

The Inauguration Ceremony of VERVE '23, orchestrated by the Society for Industrial Management and Engineering, unfolded as a captivating and motivating event, leaving an indelible impact on all in attendance. The occasion, made possible through the generous sponsorship of Greeka Ranchi and Chanakya IAS, showcased a lineup of distinguished guest speakers who shared their invaluable insights.

Kicking off the event, the Dean of Student Affairs, **Dr. Bhaskar Karn**, delivered an impassioned speech that set the tone for the proceedings. His words resonated deeply with the audience, inspiring a sense of purpose and enthusiasm among the attendees. Additionally, the gracious presence of **Dr. L.N. Pattanaik**, our faculty advisor, added an air of distinction to the event.

The event's guest speakers further amplified the motivational spirit. Shri Ajay Sah, the Child Welfare Chairman (Jharkhand), brought to light the transformative power of education and empowerment. His insights emphasized the role each individual plays in societal change.

Shri Prabhat Kumar, Jail Superintendent (Ranchi), recounted a journey of personal rehabilitation and growth within the correctional system. His story of resilience ignited a spirit of determination and perseverance among the listeners.

Shri Abhinav Mishra, COO of Chanakya IAS, shared pragmatic advice on continuous learning and skill development. His pragmatic insights encouraged attendees to strive for excellence in their pursuits.

Shri Ujjwal Gupta, Business Head of Chanakya IAS, delivered a talk on effective leadership and career progression. His anecdotes and practical tips were well-received by the audience, offering actionable strategies for success.

## VERVE '23 Inauguration Ceremony



The event achieved a remarkable footfall, creating an electric atmosphere filled with energy and motivation.

In summary, the VERVE '23 Inauguration Ceremony was an enchanting affair that left participants invigorated and motivated. The success of the event was attributed to the profound wisdom shared by guest speakers, the enthusiastic engagement of the audience,



and the unwavering support of sponsors Greeka Ranchi and Chanakya IAS.



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# One day Workshop on “Web 3.0 Technology and opportunity of Startups in Blockchain Space” 26.08.2023

On August 26, 2023, from 10:00 am to 3:00 pm, the Institution's Innovation Council (IIC-BIT) organized a one-day workshop on "Web 3.0 Technology and Opportunity of Startups in Blockchain Space" in association with the Finance Club (FC) and the Entrepreneurship Development Cell (EDC). The main goal of this session is to motivate and educate participants about the wealth of options present in the Web3 startup ecosystem, enabling them to explore novel concepts and participate to the continuing decentralized technology-driven transformation of sectors. 250 students from several higher education institutions, including BIT Mesra, NIMT, IIIT, Sarla Birla University, RTC Engineering College, CIT Engineering College, and Usha Martin University Ranchi, participated in this session.

Entrepreneurship Development Cell  
BIT Mesra, Ranchi  
www.edcbitmesra.in

INSTITUTION'S  
INNOVATION  
COUNCIL  
University of Education, Bhubaneswar

FINANCE CLUB  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA

WEB3JH

## WORKSHOP ON

### “Web 3.0 Technology and opportunity of Startups in Blockchain Space”

Opportunities for Students - Early Stage Entrepreneurs

## GUEST SPEAKERS

**Date : 26/08/2023**  
**Time : 10:00 am**

**Mr. Arpan Mondal**  
Founder and CEO  
MegaVerse DeFi

**Mr. Abhishek Sagar**  
Founder & CEO, Zuraverse

**Mr. Subham Surana**  
Founder at DEV's  
Dungeons

**Venue- CAT Hall- BIT Mesra Ranchi**



## Inauguration Ceremony PIC



**Prof. Indranil Manna, honorable vice chancellor, BIT Mesra addressed online**



Prof. Indranil Manna, the honorable vice chancellor who delivered the opening remarks for this session, spoke online to the audience about the significance of Web 3.0 technology and the blockchain industry. He emphasized the use of technology and asked everyone to participate in the creation of a product for the advancement of civilization. His opening speech was insightful and signaled the beginning of a journey into the world of startups and technology. Dr. C. Jeganathan, Dean RIE and President of IIC-BIT, took the stage, the event's enthusiasm kept increasing. His address further enriched the audience's understanding of the event's significance. Dr. K. Sridhar Patnaik, Convenor IIC-BIT, took the stage to share his thoughts about the blockchain technology. The symphony of insightful addresses continued as Dr. Bhaskar Karn, the Dean of Student Affairs and Vice-President of IIC-BIT, took the podium.

The spotlight then shifted to industry stalwarts - Mr. Abhishek Sagar, the visionary CEO of Zuraverse; Mr. Arpan Mondal, the trailblazing CEO of MegaVerse DeFi, and Mr. Subham Surana, the ingenious Founder of DEVs Dungeons. As the clock struck 3:00 PM, the event culminated with Dr. Anand Pd. Sinha, Co-convenor & Faculty advisor, Finance Club expressed heartfelt gratitude. This marked the end of a thought-provoking event that not only showcased the unity of academia and innovation but also left an indelible trail of inspiration.

**Addressed by Dr. C. Jeganathan, Dean RIE and President of IIC-BIT**



**Dr. Bhaskar Karn, the Dean of Student Affairs and Vice-President of IIC-BIT presented a Bouquet to Guest of Honor Mr. Arpan Mondal, CEO of MegaVerse DeFi**



**The main benefits of attending the workshop for the students:**

- Learn about Web 3.0, the next generation of the internet, and Contribution of MNCs from Facebook to Google on building in this space.
- Expand knowledge about various decentralized technologies like Blockchain, Metaverse, NFTs, etc.
- Learn about Career opportunities in the Web3 space, and Shift in the current job market towards new revolution of Web3 and AI/ML.
- Mentoring on building your career/startup as a Blockchain developer.
- Expanding Web3 network by connecting with like-minded individuals.
- Showcasing students Web3 projects, and fostering collaboration within the community.



**Students Coordinator welcoming to guest**



**Mr. Arpan Mondal, CEO of Mega Verse DeFi**



**Mr. Abhishek Sagar, CEO of Zuraverse**



**Mr. Subham Surana, Founder of DEVs Dungeons**



**Participant Students from NIMT,RTC, Sarla Birla, CTC & BIT Mesra**







## Chandrayaan-3 Mahotsav

4<sup>th</sup> Sep 2023

Institution's Innovation Council BIT Mesra Ranchi in collaboration with Rocketry and Space Engineering Department BIT Mesra Ranchi organized the Chandrayaan-3 Mahotsav on 4<sup>th</sup>-8<sup>th</sup> September 2023 in the G.P. Birla Auditorium of BIT Mesra, Ranchi, Jharkhand. The program commenced at 3:45 P.M. Dr. Priyank Kumar, Head, Rocketry and Space Engineering Department BIT Mesra and Coordinator of ARIIA delivered the talk about the Chandryaan-3 journey to moon. After the session a panel discussion was held by Dr. P. V. Venkita Krishnan, retired, distinguished scientist and former Director at the Indian Space Research Organization. The discussion stimulated the minds of one and all and instilled a sense of pride in the newest achievement of the nation in the field of space exploration. This was followed by the first round of the General Quiz, a team event conducted by 'UNESQUO'- The United Engineers' Speaking and Quizzing Organization.



The poster features the logos of BIT Mesra and the Institution's Innovation Council. It includes three circular images: a lunar lander on the moon, a rocket launch, and a lunar rover. The text on the poster reads: 'Chandrayaan Mahotsav 4th-8th Sep 2023'. Under the heading 'Events to be organized', there is a list of activities: 'Visit to the department of Space Engg. & Rocketry', 'Interaction with ISRO Scientist', 'Flash Mobs', and 'Skits, Songs, Drama, Quizzes'. At the bottom, it says 'Birla Institute of Technology Mesra, Ranchi' and 'Tel+91-651-2275444'.

Thereafter 'Dhwani'- the Music Club of BIT Mesra performed the song 'Vande Mataram' by A.R. Rahman and one of their own compositions named 'Kan Kan Mein Bharat'. Their performances were very well received by the audience. Then, the Dance Club, BIT Mesra set the audience's feet tapping to the rhythm and flow of their performance on the song 'Shubh Din'. Following this, the Literary Society of BIT Mesra performed. They talked about India's Space Missions- Chandrayaan 1,2,3, Mangalyaan, Aditya L1, Rakesh Sharma, and Aryabhata (the first satellite). In the short film, a man yearns to break free from his monotonous life. When everyone vanishes, he enjoys the solitude but soon faces the weird reality of being stuck in a personal loop. Then, the announcement

of finalists was made and the final round of the quiz- the Verbal Round on the stage was conducted by UNESQUO. Following this, the Awards Ceremony was held. The day's proceedings ended with the National Anthem being sung.



The event was attended by Dr. Bhaskar Karn, Dean of Student Affairs, Dr. Yogender Aggarwal, Associate Dean of Student Affairs, Dr. Anand Pd Sinha, Co-Convenor, IIC-BIT, Mr. Vishal H. Shah, Associate Dean, AIR & EDC Coordinator, and Dr. Sanjay Kumar, Chairperson, Value Education Cell. The total 1200 students were attended this session. The event ended at 7:45 P.M.







