

ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)



BICEP

BMS Innovation Centre and Entrepreneurship Park NEWSLETTER



2022-23

Volume - 01

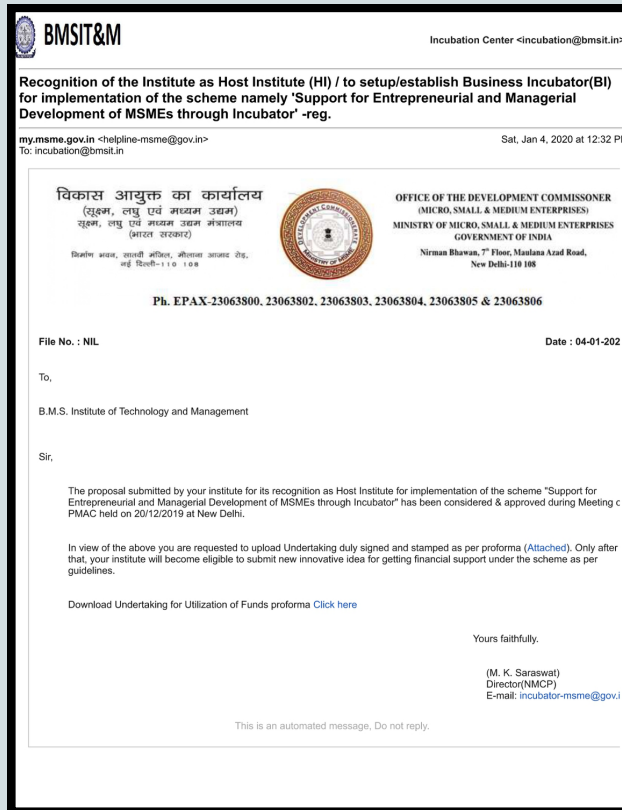


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BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT



Vision:

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

Mission:

Accomplish stimulating learning environment through high quality academic instruction, in novation and industry-institute interface.



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Internal Hackathon for Smart India Hackathon 2022

The event was conducted on 2 different days i.e., on 6th of April 2022 for first year students and on 12th of April 2022 for higher semester students.

The event started at 10:30 AM on 6th of April. 16 teams comprising students about 35, participated with various themes and problem statements proposed by industries, ministries and organizations for SIH 2022. The jury included internal and external members. Dr. Saneesh Cleatus T, Associate Professor, ECE Department, BMSIT&M, Mrs. Shruthi J, Assistant Professor, CSE Department, BMSIT&M were Internal scrutiny members.

Mr. Praveen A L, Founder & CEO, DigipixTechnologies was the external jury member. About 20 teaching faculty participated in the event and were present till the Q&A session. Top 7 Ideas were shortlisted and 5 were waitlisted.

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
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SMART INDIA HACKATHON 2022

INSTITUTE OF INNOVATION & ENTREPRENEURSHIP

INTERNAL HACKATHON for SMART INDIA HACKATHON 2022

Date: 6-04-2022 (for first year students)
12-04-2022 (for higher semester students)
Time: 10 AM- 3 PM
Venue: Innovation Centre

URL : <https://bmsitm.gnups.in/>

SCHEDULE

- Phase 1 - Submission of Innovative Ideas through ERP
- Phase 2 - Shortlisted Ideas will be submitted to Smart India Hackathon 2022
- Phase 3 - Final presentation before the Jury (Date will be communicated later)

www.bmsit.ac.in

For More Information 080 - 68730438 | innovation@bmsit.in

PRIZES WORTH RS. 25,000/-

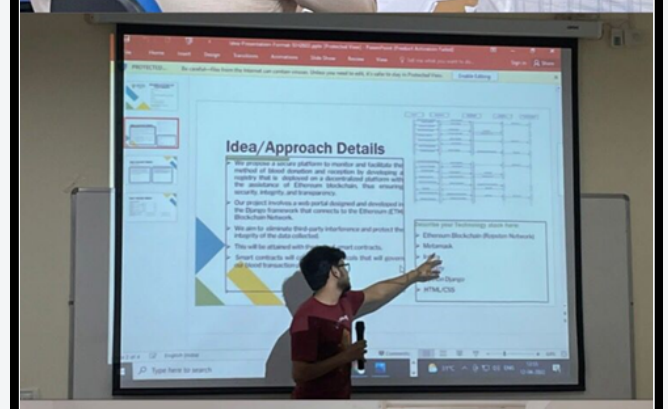


Internal Idea presentation for higher semesters was held on 12th April 2022. About 19 teams comprising 65 students participated. The teams chose the problem statements given by SIH and a couple of them were student innovations. The jury included internal and external members. Dr. Saneesh Cleatus T, Associate Professor, ECE Department, BMSIT&M, Mrs. Shruthi J, Assistant Professor, CSE Department, BMSIT&M were Internal scrutiny members. Mr. Praveen A L, Founder & CEO, DigipixTechnologies was the external jury member. The Principal, Dr. Mohan Babu G N was the chairperson of the event. He motivated students to pursue innovative ideas on campus and provided insight on entrepreneurial journeys. Dr. Seema Singh, Dean External Relations addressed the gathering and assured to fund the good ideas to prototype level and then to product level. She also motivated students to build products which are useful for society.

Top 11 Ideas were shortlisted to fund and support from Innovation Centre.

The event was convened by Dr. Sheela Kathavathe, Innovation Centre Coordinator and Ms. Shama H M, Innovation Centre in-charge.

The ideas selected in Anveshana-Idea competition were submitted to SIH 2022 in several categories and BMSIT&M submitted 20 ideas in the shortlisted category, 10 under the waitlist and 5 ideas through wild card entry.



Smart India Hackathon 2022

Innovation centre shortlisted about 26 teams from “Anveshana- Idea competition 2022” (Internal-Smart India Hackathon 2022) and nominated all the teams to Smart India Hackathon 2022. 3 teams among the 26 teams were selected for the grand finale of SIH 2020 at various nodal centres based on the category of innovation. Ms. Shama H M was the SPOC of the Smart India Hackathon 2022 from BMSIT&M.



“**Team Nonce**” from 6th Sem, CSE have won the first place and been awarded sum of Rs.1,00,000 in the category of “Innovation using Cybersecurity and Blockchain” for the project “Blood registry using blockchain” at IES college, Bhopal.



“**Code_18**” from 4th Sem, ISE have won the first place which was split with the other team, hence been awarded sum of Rs. 50,000 in the category of “Smart Education” for the project “Bringing the power of AI for the aid of teachers in classroom” at Excel engineering college, Erode.

Smart India Hackathon 2022



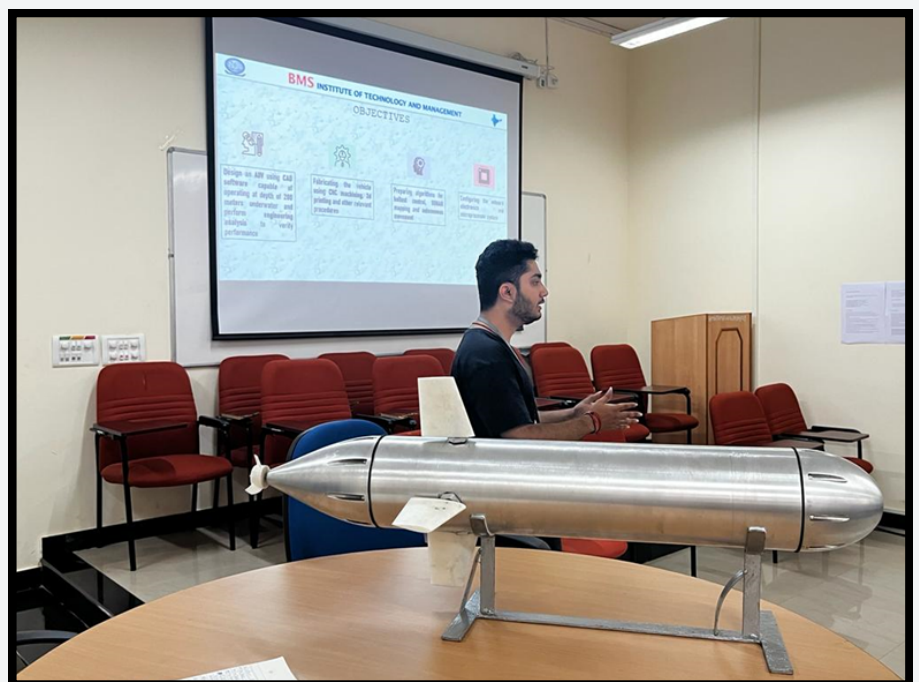
"**Infinite Loop**" from the 6th semester of the Electrical and Electronics Engineering (EEE) program, achieved a remarkable feat by securing the prestigious 1st runner-up position in the highly competitive "IOT and Electronics" category at the esteemed BITS, Ranchi competition. Their groundbreaking invention, the "Tongue Controlled Wheelchair," impressed the judges and earned them a well-deserved cash prize of Rs. 75,000.

The members of the Infinite Loop team demonstrated their exceptional skills and innovative thinking throughout the competition, showcasing their deep understanding of both Internet of Things (IoT) technology and electronics. Their Tongue Controlled Wheelchair is a revolutionary device that aims to improve the quality of life for individuals with mobility impairments.

The team's ingenious invention utilizes cutting-edge IoT and electronics advancements, allowing individuals to operate the wheelchair solely through the movement of their tongues. By integrating sophisticated sensors and advanced algorithms, the wheelchair detects and interprets subtle tongue movements, translating them into precise commands for the wheelchair's navigation.

Anveshana 2022- Idea Competition to funding prototypes

The presentation of the project proposal for funding took place on June 23, 2022, at 2:30 PM, at the Innovation Centre. The event showcased a diverse group of students presenting their prototypes in hopes of securing funding. The audience was captivated by the students' presentations, impressed by their research, attention to detail, and potential for positive impact. The event provided a valuable opportunity for the students to gain exposure, receive feedback, and connect with like-minded individuals.



Anveshana 2022- Idea competition results based on various categories.

1. Below mentioned 5 ideas to be funded by the Innovation Centre.

Sl. No.	Division	USN	Student	Title of the idea	Prize worth
1	ISE 6 th Sem, A section	1BY19IS055	Divya Kalash	Transparency in carbon credits using block chain	Rs. 1000/-
2	ISE 1 st Sem, F Section	1BY21IS126	Raghvendra	Avoiding death due to accidents	Rs. 1000/-
3	ISE 1 st Sem, F Section	1BY21IS150	Shashank Gowda	Effectual Agronomy	Rs. 1000/-
4	ECE 5 th Sem, A Section	1BY20EC136	Rishabh Jaiswal	Power generating roadways	Rs. 1000/-
5	CSE 1 st Sem, A Section	1BY21CS066	Harshvardhan	Wireless charging dock	Rs. 1000/-

2. Below mentioned ideas to be continued at Innovation Centre (will be funded on need- basis)

Sl. No.	Division	USN	Student	Title of the idea	Prize worth
1	ISE 1 st Sem, F Section	1BY21IS147	Sathvik Hegde	Snap Scrap	Rs. 1000/-
2	ISE 3 rd Sem, F Section	1BY20IS073	Lokesh E	Bringing power of AI/ML to aid of teacher in classroom	Rs. 1000/-
3	AI 3 rd Sem, A Section	1BY20AI052	Shashwath P	Crop yield prediction using ML	Rs. 1000/-
4	Civil 1 st Sem,	1BY21cv073	Anuja	Social media for BMSIT&M	Rs. 1000/-
5	EEE 6 th Sem, A section	1BY19EE052	Shreela Upasana	Tongue controlled wheelchair	Rs. 1000/-

3. Jury award for top 3 Ideas.

Sl. No.	Division	USN	Student	Title of the idea	Prize worth
1	ME 7 th Sem,	1BY18ME056	Siddharth A	Design and fabrication of an autonomous Underwater Vehicle for Seafloor Mapping	Rs. 3000/-
2	ISE 5 th Sem, A Section	1BY19IS055	Divya Kalash	Transparency in carbon credits using block chain	Rs. 2000/-
3	ECE 5 th Sem, A Section	1BY20EC136	Rishabh Jaiswal	Power generating roadways	Rs. 1000/-

MSRIT National Level Project Competition (NLPC)

Ramaiah Institute of Technology hosted the National Level Project Competition (NLPC) on 20th April, 2023, a highly anticipated event. With a total of 250 projects submitted, only the top 50 projects were selected to advance to the Finals.

BMS Institute of Technology and Management (BMSIT&M) proudly presented 12 projects for consideration, demonstrating their commitment to fostering innovation among students. Five teams from BMSIT&M successfully cleared two rigorous levels and earned their place in the prestigious Grand Finale.

As a supportive gesture to encourage innovation within the student community, BMSIT&M generously sponsored the registration fees amounting to Rs. 8000 for eight teams from the Institute Innovation Centre.

Out of the five projects representing BMSIT&M in the Finals, the project titled "DOSTBIN - home-based compost machine" secured an outstanding achievement. It was awarded the Second prize, an impressive Rs. 1 lakh in recognition of its innovative concept and execution. This remarkable accomplishment further highlights BMSIT&M's commitment to nurturing talent and promoting impactful ideas.

The NLPC at Ramaiah Institute of Technology provided an invaluable platform for students to showcase their projects, and BMSIT&M's notable success is a testament to their dedication and pursuit of excellence in innovation.



Winning team project Title: DOSTBIN-home based compost machine

Guide/Mentor: Dr. Seema Singh

Students:

1. R. Venkatesh -1BY21ET033
2. Shumail Ali Khan-1BY21ET043
3. Narasimhamurthy D.S-1By21ET021



SEEDBRAINS 2.0 - INNOVATION AWARD for DOSTBIN-HOME BASED COMPOST MACHINE



The Seedbrains 2.0 event, organized by Cambridge Institute of Technology, created a dynamic platform for young innovators and entrepreneurs to demonstrate their ideas and compete for the prestigious top prize. Students from across the state eagerly participated, presenting their ingenious projects and business plans to a distinguished panel of judges.

Dostbin team, took part in Seedbrains 2.0 and achieved a remarkable feat by securing the first-place position, which came with a coveted cash award of Rs. 50,000. Throughout the two-day event, we passionately presented our innovative ideas to the jury, who duly acknowledged the team's exceptional potential and relentless hard work.

Seedbrains 2.0 provided an exceptional opportunity for us to not only showcase our product skills but also establish valuable connections with fellow participants and organizers. The event served as a bustling hub of creativity, enabling us to network, exchange ideas, and foster collaboration within the entrepreneurial community. We are grateful for the chance to participate in such a prestigious event and extend our sincere appreciation to the Cambridge Institute of Technology for organizing this transformative experience

Project Title: DOSTBIN-home based compost machine

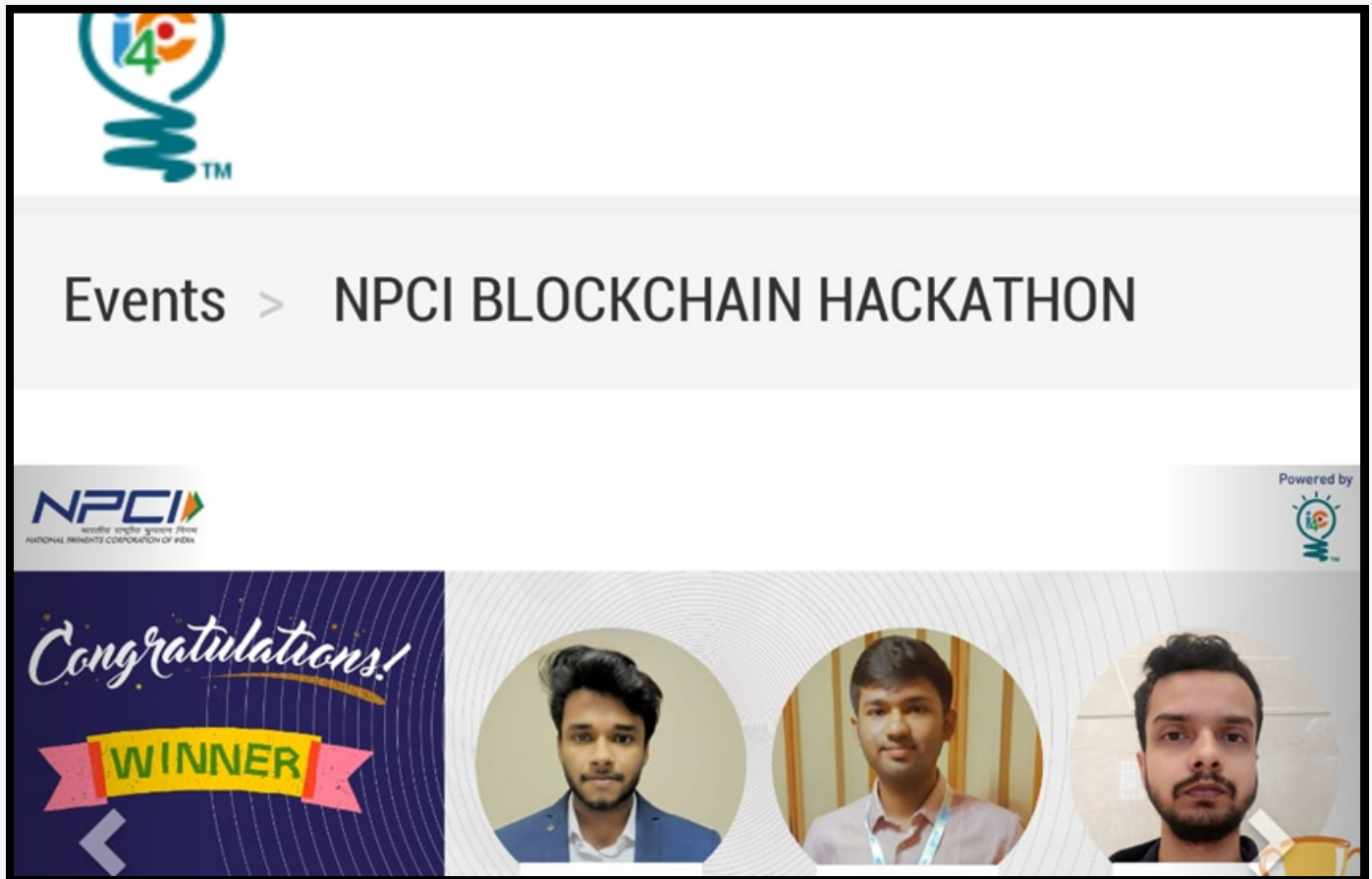
Guide/Mentor: Dr. Seema Singh

Students:

- 1.R. Venkatesh -1BY21ET033
- 2.Chandan-1BY21ET010
- 3.Narasimhamurthy D.S-1BY21ET021



NPCI(National Payments Corporation of India) Blockchain Hackathon



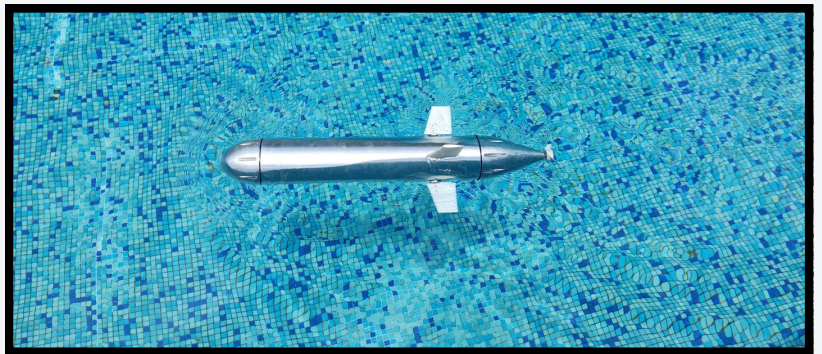
The NPCI (National Payments Corporation of India) Blockchain Hackathon, organized by the Inter-Institutional Inclusive Innovations Centre, witnessed a remarkable achievement by a team led by Mr. Divya Kalash (USN: 1BY19IS055) from the Department of Information Science and Engineering (ISE), 7th semester. Their outstanding proposal titled "Transparency in Carbon Credits by Automating Data Management Using Blockchain" secured the prestigious first prize, awarding them INR 15 lakh in February 2023.

The team's innovative approach aimed to address the challenges surrounding transparency in carbon credits, an essential aspect of environmental sustainability. Under the guidance and mentorship of esteemed faculty members, Dr. Pushpa S K and Dr. Swetha M S from the Department of ISE, the team developed a groundbreaking solution utilizing blockchain technology.

By leveraging the inherent features of blockchain, such as immutability, decentralization, and transparency, the proposed system aimed to automate data management in carbon credits. This would significantly enhance trust, accuracy, and accountability in the carbon credit ecosystem. The team's solution offered a streamlined approach to tracking, validating, and trading carbon credits, ensuring a more efficient and reliable mechanism for organizations involved in carbon offsetting.

The guidance and mentorship provided by Dr. Pushpa S K and Dr. Swetha M S played a pivotal role in shaping the team's proposal and successfully implementing their solution. Their expertise and support empowered the team to tackle complex challenges and showcase their skills and knowledge in the field of blockchain technology.

State level project exhibition at VTU Educational conclave 2022



Project titled, "Autonomous underwater vehicle for seafloor mapping"

This project has won first place in Anveshana- Idea competition organised by Innovation centre, BMSIT&M

The project offers a novel and cost-effective method of traversing ocean and sea water bodies and operating autonomously without human intervention for extended periods of time. The vehicle is equipped with a thruster and a ballast unit, which allow it to travel and cover a big area. This project's huge scope of applicability makes it a one-of-a-kind opportunity. With minor modifications in the frequency of the onboard sonar sensor, the project can be utilized for a variety of objectives such as coast line protection, sea floor study, and underwater pipeline inspection for the oil and gas industry. Due to the density of the water, underwater travel and communication are extremely difficult. Signals propagate very slowly underwater, making distant communication impossible, necessitating research into Autonomous Underwater Vehicles. For reference, a signal takes around 2.5 seconds to reach the moon and then back to Earth, but sending a single signal to Challenger Deep takes 10 seconds (The deepest point on Earth)

This project aims to design and fabricate a model of an autonomous underwater vehicle consisting of the following:

1. Pressure Hull capable of operating at a depth of 200 meters.
2. Ballast tank, Propellor unit and control surfaces capable of performing operations autonomously and provide necessary mobility with 6-Degrees of freedom.
3. Sonar unit and other relevant sensors to aid in acquiring bathymetric data.
4. Generation of 3D maps of the sea floor.

Faculty- driven product-oriented projects

Faculty- driven product-oriented projects is a Bi- annual event by Innovation Centre. This is the 2nd bi-annual presentation which was held on 17.01.2023. The 1st bi-annual presentation was held on 17.05.2022 and the first phase of funds (among 3 phases- 30%, 30%, 40%) were released for 3 projects. About 6 faculty teams presented the projects where 2 teams were approved for the second phase of funding and 2 new teams for the first phase of funding.

The expert panel included Principal, Dr. Mohan Babu G N, Mr. Anil Jayaprakash, Founder, Assertify, Mr. Kiriti Kapavari, Venture Studio Lead, Mr. Santosh Bishnoi, Investment Analyst.

Dr. Sheela Kathavate, Coordinator, Innovation Centre, Dr. Usha B A, Dy. Coordinator, Incubation Centre were present.

Ms. Shama H M, Innovation Centre In-Charge coordinated the event.

Details of faculty projects and the funds released

Sl. No.	Year	Main Faculty in charge	Department	Title	Funds Allocate in ₹
1	2022-2023	Mr. Dwarakanath G V	Master of Computer Applications	Pet Care System	15,500
2	2022-2023	Dr. Seema Singh	Electronics And Telecommunication Engineering	Home based Compost machine with extendable ECU	36,000
3	2022-2023	Dr. Raghunandan G H	Electronics And Telecommunication Engineering	Raitha mithra	50,000
4	2023-2024	Mrs. Nirupama B K	Master of Computer Applications	Smart perfume dispensary based on smell	30,000
5	2023-2024	Dr. K SureshKumar Dr. Ramakrishnappa T	Department of Chemistry	Development of food quality monitoring labels/stickers	30,000



The innovation centre actively promotes and fosters innovation in diverse domains, aiming to create an ecosystem that is conducive to innovation. It achieves this by increasing awareness about the significance of innovation and its potential benefits for society, the economy, and sustainable development. The centre implements supportive policies, funding mechanisms, and infrastructure to cultivate an environment that encourages and nurtures innovation.

YUKTI Innovation Challenge 2023

YUKTI Innovation Repository serves as the platform for registering and evaluating student projects for various competitions. Through the Innovation Centre, an internal expert committee reviews and scores the registered projects. As part of the YUKTI Innovation Challenge 2023, 10 exceptional projects were selected and nominated.

AICTE IDE -Innovation, Design and Entrepreneurship boot camp

Three teams from BMSIT&M have qualified for the Innovation, Design and Entrepreneurship boot camp at NITTR Chennai and INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI which is scheduled from 22nd-26th June 2023.

Three teams which have qualified are:

- 1.Prajwal V Dev and Manoj G -Team Name- PYNM
- 2.Tejas Mutalik Desai and Siddarth Ashok Kumar – Team Name- Team IOT-Onco
- 3.Lokesh E and Jitendriyadeep- Team Name -CODE_18

These teams were partially funded to attend the bootcamp offered by MOE at various locations in India

Promoting Innovative competitions

Team Innovation and Entrepreneurship facilitates students to participate in various competitions by providing registration fees for competitions like National Level Project Competition (NLPC) at MSRIT, MANTHAN-Business Plan Competition. One project from each department is selected internally and nominated to participate in such competitions. About 8 projects were funded for and 3 business ideas were registered for MANTHAN-Business Plan Competition. This is one among the best practices we follow at the Innovation Centre to build the Innovative ecosystem.



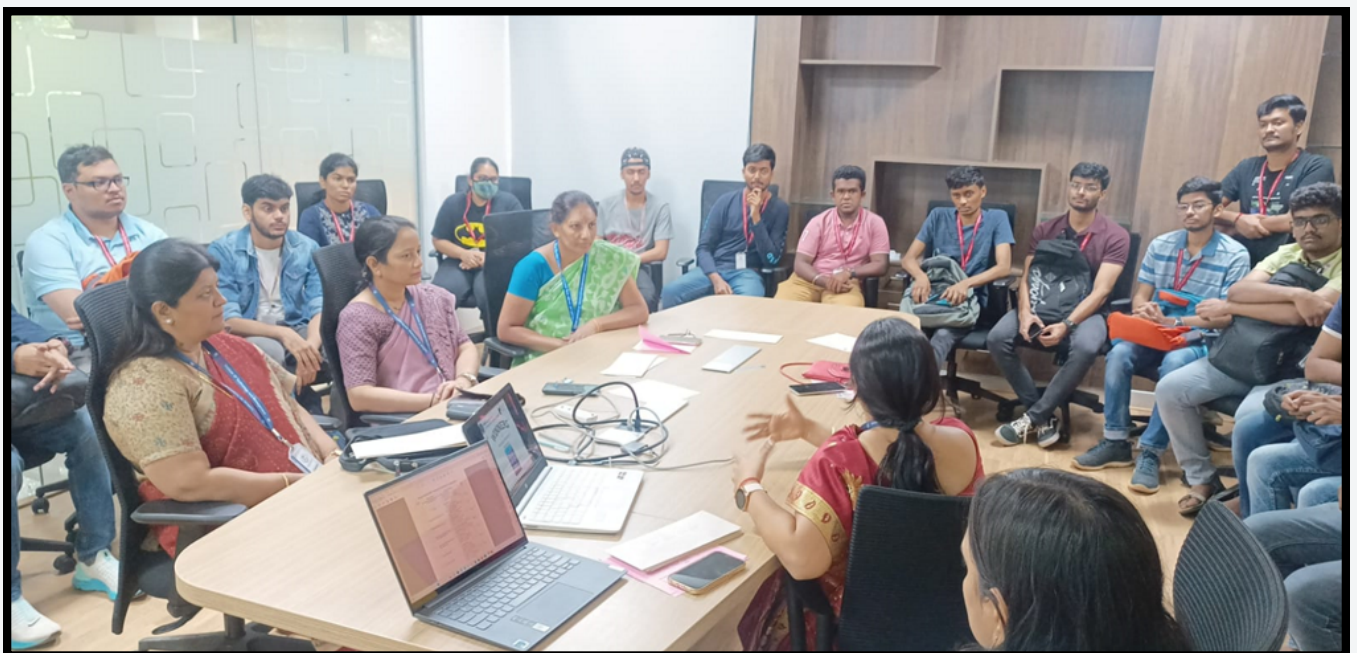
KAVACH 2023 Cyber Security Hackathon

It is a platform to showcase talent and creativity in the field of cyber security. It is a unique opportunity to work on real-world problems, collaborate with like-minded individuals. KAVACH 2023 will have two phases. The submitted ideas will be evaluated by a group of experts in the field and only the innovative ideas will be selected for the Grand Finale or 2nd round. During the Grand Finale, selected participants are expected to build the solution to demonstrate their concepts and prove to the juries that their ideas are technically feasible and more importantly implementable. Best ideas will be declared winners. During this 36 hours' hackathon, scheduled in the month of July-23, selected youths from education institutions across the country will participate to offer strong, safe and effective technology solutions using their technical expertise and innovative skills. Total Prize money worth Rs. 20,00,000 is announced for the winning teams.

This hackathon has 20 Problem statements related to the cyber security domain against which the innovative minds will be able to submit their ideas and compete against each other

4 teams shortlisted for the competition-

1. Dr. Aruna, Mr. Keshav and team- CSE Department
2. Dr. Vidya and Team- CSE Department
3. Mr. Suhas Pete Team- ISE Department
4. Mr. Lokesh and Team- ISE Department



Projects with Professors

Projects with Professors- Session 1

The Innovation Centre initiated the "Projects with Professors" program, hosting its first session on 25th January 2023. Dr. Suresh Kumar from the Department of Chemistry presented his project, "Food Quality Monitoring Labels," to 36 attending students. The session provided an opportunity for Dr. Suresh Kumar to pitch his project and share its working theory with the students.

Following the presentation, students engaged in an interactive session with the professor, seeking further details about the project. To express their interest in pursuing the project, students were asked to fill out a form, assisting Dr. Suresh Kumar in selecting suitable candidates.

The "Projects with Professors" program aims to foster collaboration between students and faculty members, providing students with the opportunity to work on real-world projects under the guidance of experienced professors. The first session successfully introduced the program and generated interest among students for future project engagements.

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

INSTITUTION'S INNOVATION COUNCIL

"PROJECTS WITH PROFESSORS"

SESSION 1

FOOD QUALITY MONITORING LABELS

25-JANUARY-2023

10:30-10:50 AM

BICEP LAB-BLOCK 2ND FLOOR

Dr. K Suresh Kumar
Assistant Professor
Department of Chemistry

CONTACT -
IIC COORDINATORS
DHRUTHI - 9916614035
HARSH - 9620065556

REGISTER HERE!!



Projects with Professors

Projects with Professors- Session 2

On February 3rd, 2023, the Innovation Centre organized the second session of "Projects with Professors," featuring Dr. Shobha M from the Department of Information Science and Engineering. The focus of the session was on her project titled "Deepfake Technology." This event attracted a total of 102 students who were interested in learning about the project.

During the session, Dr. Shobha M presented her project idea and provided an overview of the research topic. She explained the various aspects of deepfake technology and its applications. Additionally, she outlined the project's roadmap and discussed the prerequisite courses that students would need to complete to participate.

Following the presentation, Dr. Shobha M engaged in an interactive session with the students, allowing them to ask questions and seek further clarification on the project details. This opportunity provided valuable insights and fostered a deeper understanding of the project's objectives and requirements.

To streamline the selection process, Dr. Shobha M requested the students to fill out a form after the presentation. The form aimed to gather information about the students' backgrounds, interests, and motivations, which would assist Dr. Shobha M in selecting the most suitable candidates to pursue the project.



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT INSTITUTION'S INNOVATION COUNCIL

PROJECTS WITH PROFESSORS

SESSION 2

03 FEB, 2023
10:30AM
BICEP, lab block, 2nd floor

TOPIC: DEEPFAKES
Explore the Deepfakes technology which will revolutionize human perception....

IIC Coordinators:
Druthi:99166 14035
Harsh:9620065556

REGISTER HERE!!



Projects with Professors

Projects with Professors- Session 3

On 10th of February, 2023, Innovation Centre hosted the 3rd session of “Projects with Professors”. Dr. Ravichandra K R from Department of Mechanical Engineering presented the idea and an overview of his project “IoT-enabled Smart Systems”. The session was attended by a total of 25 students. Dr. Ravichandra K R pitched his project to the students and gave a detailed explanation on how the project will go on. After the presentation, the students were given a chance to interact with the professor for further details. Post presentation, the students were asked to fill out a form which would help Dr. Ravichandra K R in selecting students to pursue the project.

During the interaction session, the students enthusiastically asked questions about the implementation and potential applications of the IoT-enabled Smart Systems project. Dr. Ravichandra K R provided insightful answers and clarified any doubts they had. The form filled out by the students included their contact information, academic background, and their reasons for wanting to participate in the project.



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

INSTITUTION'S INNOVATION COUNCIL

PROJECTS WITH PROFESSORS

SESSION 3

10 FEB, 2023

10:30AM

BICEP, lab block, 2nd floor

Dr. Ravichandra K R
Assistant Professor
Department of Mechanical Engineering
BMSIT&M

TOPIC: IoT - Enabled Smart System
for Smart Cities and Smart Mobility.

REGISTER HERE!!

IIC Coordinators:
Shreyas :8951748395
Pradeep:74111 12288

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Intra-Institutional Internship by Innovation Centre

A 3-week rigorous internship was designed for the students of 3rd semester. The internship was split into 3 different modules, Innovation on week one, Incubation on week 2, Entrepreneurship on week 3. The courses were to enable students with the knowledge of 360 Degree Approach to Innovation, which is a fast and visual self-analysis or self-reflection for teams to get clarity about unused innovation potentials. The internship coordinator was Ms. Shama H M, Innovation Centre in charge.

Module 1 internship on Innovation

The course was designed to learn on how to choose a problem and approach to work on it, proof of concept, Idea validation, prototype validation, market research, product life cycle and the challenges in levels of TRL, MRL, IRL on the first week. About 16 students participated in the Module 1 internship on Innovation.

- Below online recorded sessions by the Ministry of Education (MoE) were viewed by the students.
 1. Hangout with Emerging Innovator & Entrepreneurs Supported through MIC & AICTE
 2. Integration of Research, Innovation & Entrepreneurship in HEIs & Economic Growth of Country
 3. to Identify Right Problem and Solution using the Double Diamond Approach in Design
 4. Attaining Market-Product Fit: Prototype Designing Process and Tools for Development of Minimum Viable
 5. Understanding Technology Readiness Level (TRL), Manufacturing Readiness Level (MRL) and Investment
- Presentation by each student on the day's session and also their perspective was discussed. Debates were conducted on the problem statement and the approach and the viable.
- Assignment on government organizations like MSME, BIRAC, FITT, FICCI, Think Tanks, KSTA, KCST, K-tech was given. This exercise was to reinforce students with the opportunities available and to the ways to avail them by applying for the proposals, being part of the competitions etc.,



Module 2 internship on Incubation

On the second week of the internship the students were educated on concepts like Product-Innovation rubrics, business model canvas, evidence based startup, value proportion startup and also Entrepreneurship supporting organisations which helps students to incubate their products. Students also worked on 2 case studies, Indian Economy, Indian Healthcare and field visit was also part of this week's internship. About 28 students were part of this Module 2 internship on Incubation.

A) Below online recorded sessions by the Ministry of Education (MoE) were viewed by the students.

- Business Potential and Opportunity Identification for the Innovation: Innovation Rubric and Business
- Application of Design Thinking Tools and Approach for Right Problem Identification and Solution Development
- Business Plan Development: Components and Stages in Business Plan Development
- Understanding Technology Readiness Level (TRL), Manufacturing Readiness Level (MRL) and Investment Readiness Level (IRL)

B) Presentation by each student on the day's session and also their perspective was discussed. Case studies on Indian Economy and Indian Healthcare were also presented.

C) Assignment on

- Government organizations like DST, NASSCOM, ICT, CII and incubation centres like CIIE-IIM Ahmedabad, NSRCEL, Pupilfirst, BAL, AIC Nitte, government schemes like NIDHI prayas, Nidhi EIR, MeiTy TIDE, NIDHI SSS, SISFS and the reports of the same were submitted. This exercise was to reinforce students with the opportunities available and the ways to avail them by applying for the proposals, being part of the competitions etc.
- Group report on the Indian Economy considering history, current affairs and future advancements on the economy and report on Indian Healthcare after the same topics being discussed as the case study.
- Report on Top 10 innovations and the same discussed on the following day of the internship.



Module 3 Internship on Entrepreneurship

Third week of internship, students were educated on the National Innovation Contest, Smart India Hackathon and other national level competitions. The idea behind this course was to educate students on the important competitions which helps them to get an exposure to the larger forums and to nurture their ideas and the establishments which are the support system for entrepreneurship.

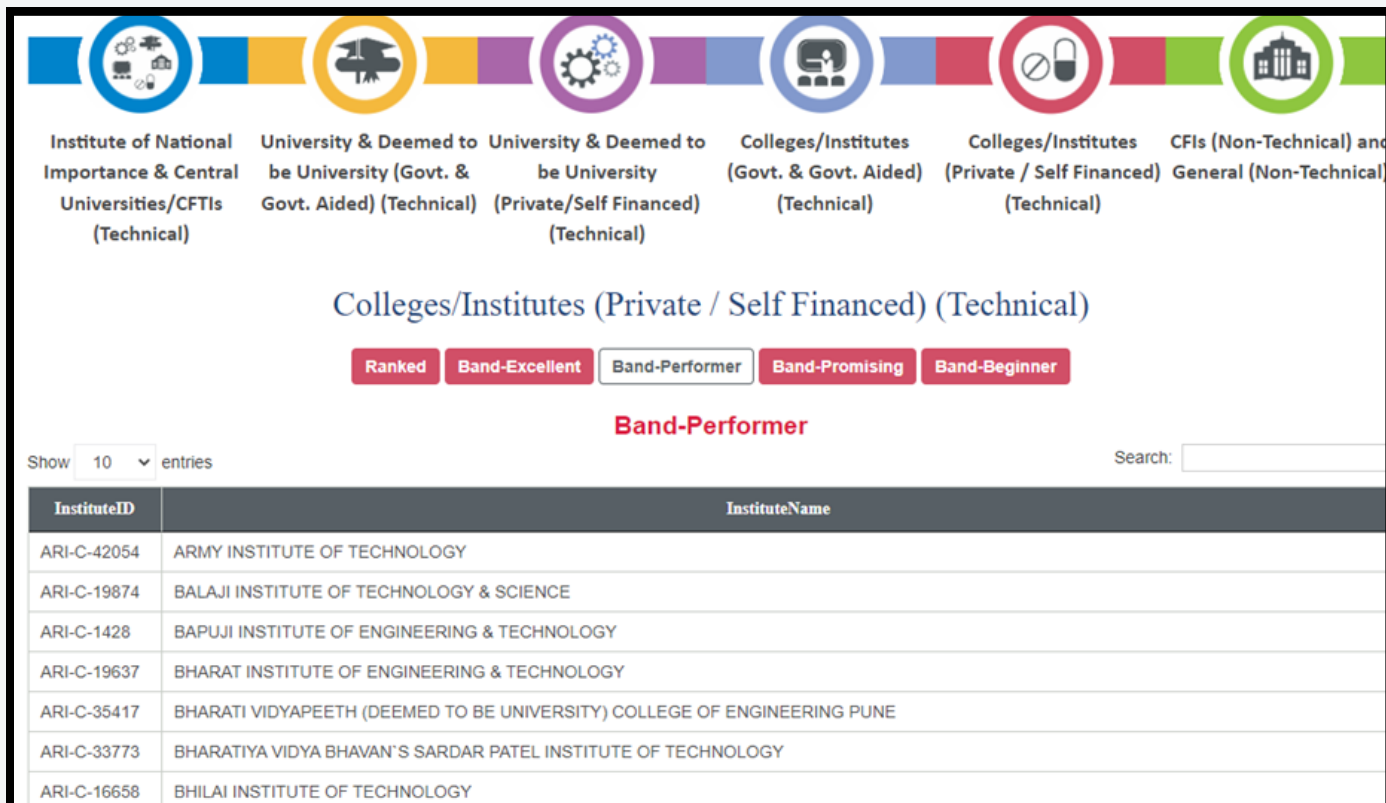
1. MoE's pre-recorded video on Top Student Innovators and Entrepreneurs from NIC 2021 was streamlined and the journey and achievements of the students were discussed.
2. Assignment on a short report on Loss of Business, IFCI, SFC, SIDBI, NAYE(FISME), EGB and Angel investors, series of funding, and the same were discussed on the following day
3. 10 successful start-ups, 5 unsuccessful start-ups and their journey throughout was discussed. Aspects of successful entrepreneurs like funding received, market analysis, initial prototype, validation of POC, business partners, equity, profit analysis, further enhancements were discussed and presentation on the same topic was done. Students also looked up for 5 unsuccessful start-ups and the entrepreneurs. The reasons for losing the business like wrong utilization of funding, lack of skills, poor market analysis, poor ugly prototype, imitation of the product, lack of business knowledge and the scope of the product etc., were discussed.
4. Presentation of the students on the learnings of this internship based on the concepts they learnt and the knowledge acquired during their internship in all the modules and discussed the outcome of this internship along with the analysis and insights and also relevance to the society of this internship.



ARIIA Ranking 2021

The major activities during September were participating in various initiatives by the Ministry of Education. Brief information of such are mentioned below.

Atal Ranking of Institutions on Innovation achievements- BMSIT&M secured a position under Band-Performer at ARIIA ranking 2021. This was achieved by providing the supportive documents about the institution's Innovation activities, IP activities, Incubation and Entrepreneurship activities majorly. For the year 2022, a similar set of activity documents to be provided to secure a position at the ARIIA ranking.



The screenshot displays the ARIIA Ranking 2021 website interface. At the top, there are six circular icons representing different categories: Institute of National Importance & Central Universities/CFTIs (Technical), University & Deemed to be University (Govt. & Govt. Aided) (Technical), University & Deemed to be University (Private/Self Financed) (Technical), Colleges/Institutes (Govt. & Govt. Aided) (Technical), Colleges/Institutes (Private / Self Financed) (Technical), and CFIs (Non-Technical) and General (Non-Technical). Below these icons, the selected category is 'Colleges/Institutes (Private / Self Financed) (Technical)'. The ranking bands are displayed as buttons: Ranked, Band-Excellent, Band-Performer (highlighted in red), Band-Promising, and Band-Beginner. Below the buttons, the text 'Band-Performer' is displayed in red. A search bar is visible on the right. A table lists the institutions in this category:

InstituteID	InstituteName
ARI-C-42054	ARMY INSTITUTE OF TECHNOLOGY
ARI-C-19874	BALAJI INSTITUTE OF TECHNOLOGY & SCIENCE
ARI-C-1428	BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY
ARI-C-19637	BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY
ARI-C-35417	BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) COLLEGE OF ENGINEERING PUNE
ARI-C-33773	BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY
ARI-C-16658	BHILAI INSTITUTE OF TECHNOLOGY

Parameters considered at ARIIA are below.

1. Policy and Institutionalization of I&E activities at HEI- Data will be gathered from the NISP website (<https://nisp.mic.gov.in/>) where the policy details of Innovation and Entrepreneurship and other institution's activities are uploaded.
2. Teaching and Learning Courses of Innovation and Entrepreneurship- Mentioned course details offered to students are to be provided.
3. Pre-Incubation and Incubation Infrastructure & facilities to promote Innovation and Entrepreneurship
4. Generation and support of Ideas/prototypes/innovations and recognition received- Yukti portal (<https://yukti.mic.gov.in/>) captures students' Idea, PoC, Prototype, Business Model. The same repository will be considered for the National Innovation Contest 2022. About 148 students and faculty of BMSIT&M have registered for this contest.
5. Total number of Business ventures/startups to be recorded in Yukti portal are verified and recommended and the same is reflected in ARIIA portal
6. Collaboration with other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)
7. Intellectual Property (IP), Generation and Commercialization (Annual Calendar 2020 & 2021)- Kapila (<https://kapila.mic.gov.in/>)
8. All this has been achieved and the data submission is successful with the support of all the HoDs, Section Heads.

National Startup Day



On the occasion of "National Start-up Day"
The Entrepreneurship cell, BMSIT&M and CoCreate Welcomes you to

National Startup Reverse Pitchfest

- Be a part of A Shark Tank like experience in your campus
- Build your Presentation skills as an Entrepreneur
- Put yourself in the shoes of Global companies
- Learn from experienced entrepreneurs

Attendance & Certificates will be provided for registered and attending Students.

All Students Stand a Chance to win Exciting Prizes & Bragging Rights

Seminar Hall 2, Academic Block
24th Friday, 10am - 1pm
BE THERE

Dean External- Relations
BMSIT&M

PRINCIPAL
BMSIT&M



National Startup Reverse Pitchfest was held on the occasion of National Startup Day on 24th February 2023. About 40 teams of about 120 students participated in this event. The event was organized by CoCreate and IIC, BMSIT&M. The event was conducted throughout the day.

This event was organized to be a part of a shark tank like experience, to come up with the solutions for the problems of a global company, to learn from the experienced entrepreneurs and to improve students' presentation skills. The CoCreate representatives were the jury of the event. There were 3 winning teams which were awarded with cash prizes.

Important meetings under Innovation Centre

The first council meeting of Institution's Innovation Council- IIC 5.0, BMS Institute of Technology was called by IIC President Dr. Mohan Babu G N to discuss the formulation and function of IIC & shared roles and responsibility among the council members as per the guidelines of MoE's Innovation cell.

The council members met and discussed the objective of IIC, type of activities (IIC calendar and Self-Driven), features of IIC portal for monthly report submission mechanism. The council members also discussed collaborations with organisations to accelerate the activities of IIC. The council also deliberated on a quarterly action plan (Q1, Q2) in synchronization with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up.

Sl. No	Name of Member	Key Role/ Position assigned in IIC
1	Dr. H K Govindaraju	Vice President
2	Dr. Seema Singh	Convener
3	Dr. A P Achar	Incubation Centre
4	Mrs. A Kokila.	Bank/Investor
5	Mr. Balasubramanyam Mohan	Expert from Nearby Industry
6	Mr. Vinay A N	Start-Up/ Alumni Entrepreneur
7	Dr. Sheela Kathavate	Innovation Activity Coordinator
8	Dr. M V Sudhamani	Start-up Activity Coordinator
9	Ms. Bharathi R	ARIIA Coordinator
10	Mr. Praveen Kumar T N	IPR Activity Coordinator
11	Ms. Shama H M	Internal Expert
12	Mr. Kiriti	External Expert
13	Mr. Nagaraj. D Chonali	Member
14	Dr. Usha B A	Member
15	Dr. V R Anitha	Member
16	Dr. Bharathi Malakreddy A	Member
17	Mr. Jagadish P	Member
18	Dr. Sumathi M S	Member
19	Dr. M. Sridevi	Member
20	Dr Anup Ekbote	Member



IIC Student Coordinator nomination and meetings

Sl. No.	Name	Department
1	Nishantha K S	Computer Science & Engineering
2	Dhruthi Reddy	Computer Science & Engineering
3	Charan R	Computer Science & Engineering
2	Raksha	Computer Science & Engineering
3	Raghendra Sharma	Computer Science & Engineering
4	Raghav Kumar Jha	Information Science & Engineering
5	Shreyas A Yadav	Information Science & Engineering
6	Shumail Ali Khan	Electronics And Telecommunication Engineering
7	R Venkatesh	Electronics And Telecommunication Engineering
8	Harshvardhan	Computer Science & Engineering
9	Shrikala R	Electronics And Communication Engineering
10	Yogesh B N	Electronics And Communication Engineering
11	Namana S	Information Science & Engineering
12	Shashwath Punneshtetty	Artificial Intelligence And Machine Learning
13	Shashank R	Artificial Intelligence And Machine Learning
14	Tumbalam Gooty Pradeep	Information Science & Engineering
15	Sathvik Hegde	Information Science & Engineering
16	Naksha Prakash	Artificial Intelligence And Machine Learning

The team is formed to promote Innovation Centre and BICEP activities. To execute some of the flagships events like “Projects with Professors”, “Anveshana-Idea Competition”, “Anveshana- Prototype Competition”, Interactive sessions with entrepreneurs, “Collaborative Research work at Innovation Centre”



Meeting with I2g Global Entrepreneurs Private Limited

During a meeting held on December 16, 2023, Mr. Shashidhar, the Director of I2g Global Entrepreneurs Private Limited, engaged in a discussion about the reasons why students tend to overlook entrepreneurship as a career choice. The conversation also touched upon the importance of professors providing orientation to students in this regard. It was highlighted that even entrepreneurs have opportunities for closure through merger and acquisition. Furthermore, entrepreneurship was acknowledged as a higher-paying career path with promising overall returns. As a result, I2g Global Entrepreneurs Private Limited proposed collaborating with the students by working on projects and offering internships within their affiliated companies. Additionally, students from various departments took the opportunity to present their entrepreneurial ideas and projects during the meeting.



Industry visit to CMTI-Central Manufacturing Technology Institute and NID-National Institute of Design

CMTI hosted Drishti (Design, Research and Innovation by Harvesting Science and Technology for Industries) an online platform developed by CMTI that provides a synergy between industries and young innovators to solve complex challenges.

The event was from 6th June to 8th June 2022. Ms. Shama H M, Innovation Centre In-charge along with 10 first year students visited CMTI and NID on 7th and 8th June 2022. Dr. Seema Singh, Dean External Relations visited CMTI campus on 8th June 2022.

1.The event was open only for higher semesters and hence had to take special permission from the DRISHTI team to allow first year students to learn from the visit. Our students interacted with the competing team participants and the jury members.

2. We visited IoT lab <https://www.cmti-iiot.online/> , Digital Design Centre, Ultra-precision engineering, SMDDC (smart manufacturing demo and development cell) and interacted with “Sensors and vision technology” team and discussed about the summer internship, apprenticeship, semester internship at the above mentioned departments.

3.Interacted with the scientists at the CMTI and also the Director of CMTI, Dr. Nagahanumaiah and discussed the possible collaborations to be made with BMSIT&M to benefit our students like summer internships, apprenticeship at CMTI. Dr. Nagahanumaiah expressed their interest in offering internship for computer science students from BMSIT&M.

4.Our students also had a tour of the “National Institute of Design” and discussed the opportunities like internships in UI/UX design. NID offered to conduct workshops at BMSIT&M on Design Thinking subject as the program is their core strength.

5.Further discussions to be made with CMTI and NID to collaborate.

Labs visit, NID visit and interaction with the mentors and the participants of Drishti



MSME Hackathon

BMSIT&M has been the **Hosting Institute/Business Incubator (HI/BI)** since August 2019.

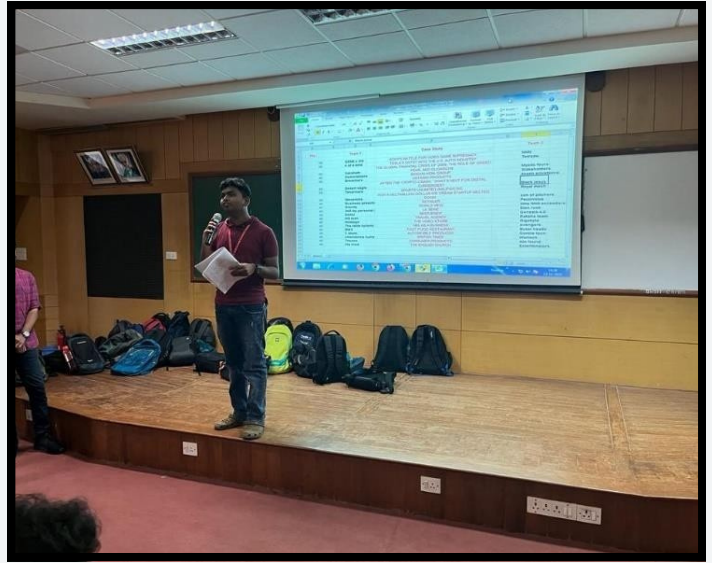
We received about 5 ideas during December 2022 to incubate their ideas at BICEP, BMSIT&M. MSME hackathon held online on 21.12.2022. The Ideas go through 3 levels of evaluation process to be funded under MSME's grants up to 15 lakh rupees. Below are the application details who chose BMSIT&M as the Hosting Institution (HI). Rakesh Rathnakar Theertha, Oodles AI Platform, Sandhya Gururaj Sagar, Automation Embedded Training centre, DARSHAN R, BUILDERS POINT, Jyotsna Rajsekar Belliappa, BLUESKY SUSTAINABLE, Gopal Narayanappa, Tevah Solutions-Automation for Robotic Technology were the applicants.

The brief evaluation of the ideas was done. Presentations of ideas were made before the jury. Fundamentals of business like knowledge of the industry, competitors, promoting the product/services, Design, using capital and cash flow, return of investment, minimum viable product details, functionality, execution details and also the necessary support of BMSIT&M as per their expectation was discussed. Based on the above comments and scores the funds were allocated to the respective team and all the 3 applications were approved as per the jury's suggestions.

External Panel Members were Anil Jayaprakash, Ceo, Assertify Technologies Private Limited, Rahul Reddy V, Co-Founder And CEO, Abaya Secure, Ashitosh K Sunthe, Associated With Chromatica. Internal panel members were Dr. Seema Singh, Dean-External Relations, Professor-Electronics and Telecommunication Engineering, Dr. Sudhamani M V, Incubation Centre Chief Coordinator, Professor-Information Science & Engineering, Dr. Sheela Kathavate, Innovation Centre Coordinator, Associate Professor- Information Science & Engineering, Dr. Usha B A, Incubation Centre Chief Coordinator, Professor- Information Science & Engineering, Ms. Shama H M, Software Engineer, Innovation Centre Incharge

The screenshot displays a Zoom meeting interface. At the top, the meeting title is "BMSIT&M Host, me" and the participants list includes Dr. Seema Singh, Dr. M V Sudhamani, Rahul, DARSHAN R, and Ashitosh K Sunthe. The main content area shows a presentation slide titled "Organization structure" which is a hierarchical chart. The chart starts with a "MANAGING DIRECTOR" at the top, followed by "CHIEF EXECUTIVE OFFICER" and "CHIEF MANAGER". Below these are five branches: "CHIEF TECHNICAL OFFICER", "CHIEF SALES OFFICER", "CHIEF MARKETING OFFICER", "CHIEF HUMAN RESOURCE OFFICER", and "CHIEF LEGAL OFFICER". Each of these branches further divides into "ASSOCIATE" and "TECHNICAL" roles, leading to various employee positions like "TECHNICAL EMPLOYEES", "SALES EMPLOYEES", "MARKETING EMPLOYEES", "HUMAN RESOURCE", and "ADVERTISERS". The Zoom interface also shows a chat window on the right with a message from BMSIT&M to everyone at 11:46 AM, requesting feedback on ideas presented in a Google document. The bottom of the screen shows the Windows taskbar with the time 12:22 PM on 21-12-2022.

GENESIS 1.0



The Intra College level technical competition “GENESIS 1.0”, was by ECELL BMSIT&M. Took place in the college premises on 12th November 2022. The competition was led and executed successfully. The competition was a part of one of the various technical and social competitions organized under ECELL frequently since its inception in 2018. These competitions are organized every now and then with the objective to provide platform for the students to showcase their talent with a competitive spirit.

Main focus of the competition was to give the enterprising students to come to the big stage to prove themselves as budding entrepreneurs. Hence, the competitions were focused in giving a first-hand experience in world of entrepreneurship and pitching their ideas to VC, Investors.

The first round QUIZPICABLE ME is a logical reasoning round, in which the teams were given a series of logical reasoning questions which were graded on priority.

Second tested the teams on their pitching skills and their ability to attract the crowd and the judges.

In this round, the were allowed to choose any 1 case study out of 20 among which two teams which choose the same case study will have a face-off and based on their answers, points will be awarded.

In this round teams choose rival car brand for Maruti Suzuki (most popular car brand in India). After choosing the rival brands the teams were given 20 minutes to prepare a pitch. 5 minutes were given to the teams, where they had to explain why their company of choice was better than Maruti Suzuki and convince the jury that their cars are the best

EXTERNAL EVENTS

• CII Innoverge 2022 “Engineering Imagination”

A 3- day conference was for 3 days 25th, 26th, 27th August, 2022 and was held in Taj, Westend. The principal, Dr. Sheela Kathavate, Ms. Shama H M, Dr. Usha, Dr. Sudhamani M V were part of this conference. The conference offered a platform to interact with evangelists and entrepreneurs in various sectors. The panel discussion and the presentations on various areas and upcoming innovations in the field of engineering was the heart of this conference. Industry experts, entrepreneurs were part of this conference and a few connections were made during this 3-day conference. An exhibition to collaborate with the organizations was also a major part of this event.



• Bengaluru Tech Summit 2022

The 25th Bengaluru Tech Summit -2022 was on 16th and 17th of November which is India's flagship technology event and Asia's largest tech summit. There were 32 countries, 405 speakers, 9356 delegates, 585 exhibitors in this summit. Pavilions included Information Technology, Biotech, Startups & MSMEs, R&D, Consumer Electronics, Universities, Govt. of Karnataka departments etc., Exhibitors profiles included IT, AI/ML, IOT, Electronics, Fintech, Smarttech, Edutech, Biotech, Healthtech, Medtech, Mobility, Robo and drone and many more. This was a huge gathering of Industry Leaders, Top Research Think Tanks, Academics, Policymakers and biotech researchers.

We also participated in the panel discussion and the presentations on various areas and upcoming innovations in the field of engineering. Industry experts, entrepreneurs were on the panel. Startup, Voice consortium, STPI pavilion, K-tech ecosystems, E-mobility pavilion, Biotech pavilion, Corporate, R&D pavilion were part of the exhibition. Students and faculty interacted with the startup founders and the multiple innovation and incubation centres.

Our students were also part of the National Rural IT Quiz by TCS.

About 18 students along with Dr. Seema Singh, Dean External Relations and Ms. Shama H M, Innovation Centre in charge were part of this conference.



• Capacity Development Program

Prof. Madhu MC, the Chief Coordinator of the Innovation Cell at BMS Institute of Technology and Management (BMSIT&M), actively participated in a Capacity Development Program for College Principals. This program was conducted by The Institute for Academic Excellence (IAE) in collaboration with the Collegiate Education & Technical Education Department of the Government of Telangana and JNTU, Hyderabad.

The program, held on 29th April 2023, encompassed various interactive sessions focusing on crucial aspects such as innovation, research, patents, and entrepreneurship. Prof. Madhu MC engaged in an insightful discussion regarding these topics, gaining valuable knowledge and insights to further enhance the innovation ecosystem at BMSIT&M.



EXPERT TALK

• Schemes of NSIC & National SC-ST Hub



On 3rd February 2023, an invited talk on "Schemes of NSIC & National SC-ST Hub" took place, featuring Mrs. Kokila, Branch Head of the National SC-ST HUB at The National Small Industries Corporation Limited, as the distinguished speaker. Coordinated by Prof. Bharathi R, Prof. Archana K, and Dr. Seema Singh, the event aimed to introduce first-year students to the available funding opportunities under Micro, Small, and Medium Enterprises (MSME, GOI) and NSIC.

During the session, the speaker discussed trending ideas that aspiring entrepreneurs and startups can explore when visiting NSIC. The session also covered the evaluation, funding, banking, and registration support provided by MSME and NSIC to startups. The speaker engaged with students, addressing their queries on idea seeding, preparing proof of concept, and further interactions.

To facilitate ongoing engagement, the contact details of the speaker were shared, allowing students to approach her for additional discussions and support. Overall, the event provided valuable insights into funding schemes and support available for student entrepreneurs in the MSME and NSIC sectors.

• Achieving problem-solution fit and product-market fit



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT **INSTITUTION INNOVATION COUNCIL**
University of Education, India

● ● ●
Session on -"Achieving problem-solution fit and product-market fit"

By a highly creative & an entrepreneurial leader
OJAL KULKARNI
Senior NKAM & brand custodian of Britannia

● ● ●
17 February, 2023
🕒 **11.50 AM**
Seminar hall - I , Academic block
1st floor

REGISTER NOW

IIC Coordinators :
Shreyas: 8951748395
Raghav: 7667472706

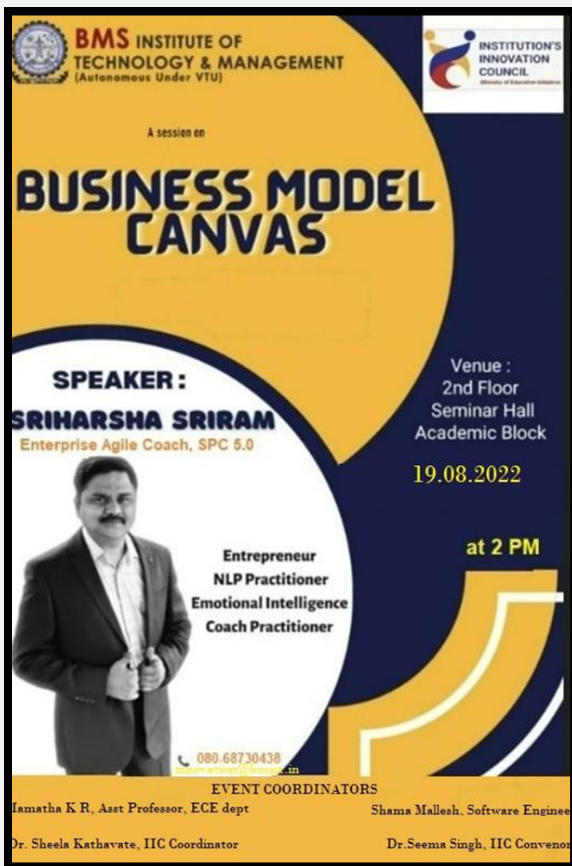


An interactive session on "Achieving problem-solution fit and product-market fit" held on 17th of February 2023. Ms. Ojal Kulkarni, Senior NKAM & brand custodian of Britannia was the speaker. The session was coordinated by Ms. Shama H M and Dr. Seema Singh

Ms. Ojal spoke about the important components of product- fit market, total addressable market, the team, demand vs supply, traction, technology. She emphasised on scaling the solution of the product which can keep the product alive in the market. She provided a couple of examples, asked students several questions to help them figure out the products and their long term survival in the market. She also explained about product-market fit based on usage, retention, net promoter score, customer lifetime value and media internet.

• Business Model Canvas

Mr. Sriharsha Sriram conducted a two-hour session, where he shared insights on the nine attributes of the Business Model Canvas. He utilized visual charts and real-time examples to help students understand the concepts. Additionally, he divided the students into groups and instructed them to present their business models incorporating all nine attributes. Furthermore, he discussed business scenarios and applications specific to various industries. Approximately 25 individuals participated in this interactive session, which concluded with a Q&A segment.



The poster features the BMS Institute of Technology & Management logo at the top left, with the text 'BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Under VTU)'. To the right is the 'INSTITUTION'S INNOVATION COUNCIL' logo. The main title 'BUSINESS MODEL CANVAS' is prominently displayed in a large yellow circle. Below it, the speaker is identified as 'SRIHARSHA SRIRAM', an 'Enterprise Agile Coach, SPC 5.0'. A portrait of the speaker is shown in a white circle. Text describes him as an 'Entrepreneur, NLP Practitioner, Emotional Intelligence Coach Practitioner'. The date '19.08.2022' and time 'at 2 PM' are listed. Venue information: '2nd Floor Seminar Hall Academic Block'. Contact details: '080 68730438' and 'www.bmsit.ac.in'. Event coordinators are listed at the bottom: 'Iamatha K R, Asst Professor, ECE dept', 'Shama Mallesh, Software Engineer', 'Dr. Sheela Kathavate, IIC Coordinator', and 'Dr. Seema Singh, IIC Convenor'.



• **Prototype Validation: Converting prototype into a startup.**

The session was organized on 29th July 2022. Mr. Sreeram Anvesh, Director at Brikoven Pvt. Ltd. was the keynote speaker. The session coordinator Ms. Shama H M along with Dr. Sheela Kathavate and Dr. Seema Singh, Mrs. Sridevi, Mrs. Bharathi R participated in the session. About 30 students participated and discussed with the speaker. The speaker explained his journey being an entrepreneur and hurdles he faced and the strategy built to run the company even during the Covid situation. This was an interactive session with 2 hours of questions and answering. Students were quite keen on the food business along with the professors.

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

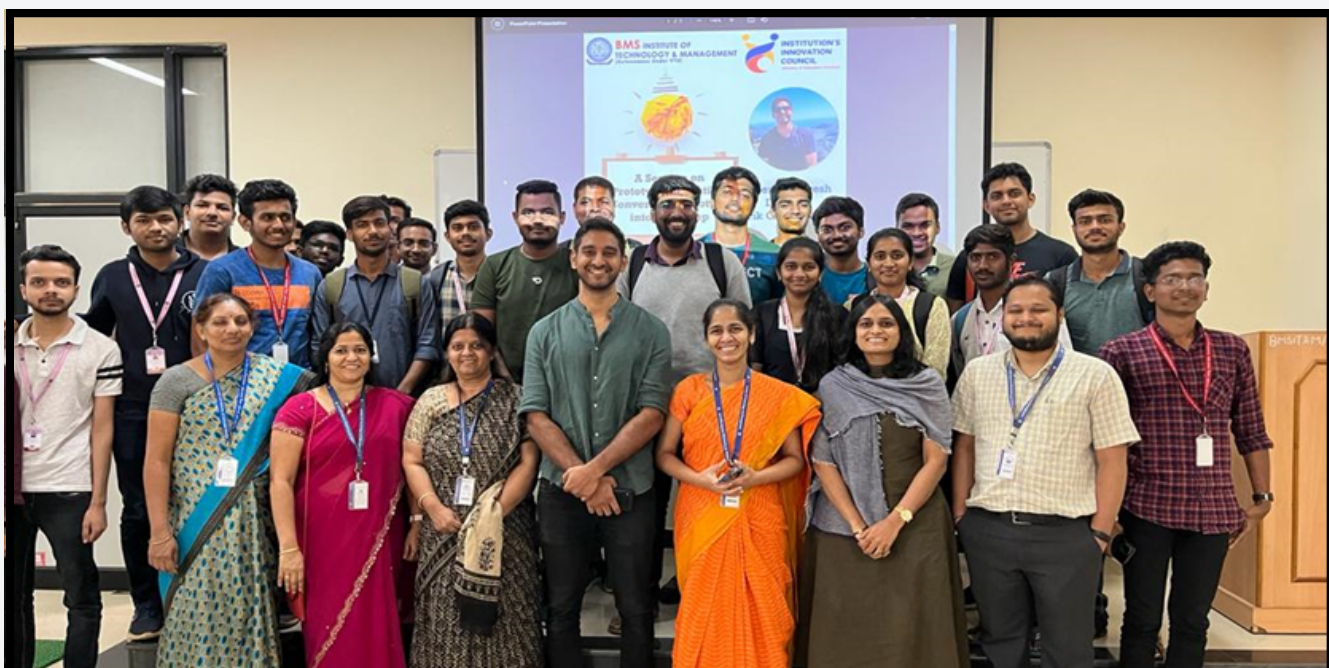
**A Session on
Prototype Validation:
Converting Prototype
into a Start-up**

Sreeram Anvesh
Director
Brik Oven Pvt Ltd

29th July 2022
02:00PM – 03:00PM

Seminar Hall,
5th floor, BSN Block

Contact:
innovation@bmsit.in
9743939846



• Building an Innovation/ Product fir for market

The session was organized on 28th July 2022. Mr. Jawed Raza, Director at Aribizz Solutions was the keynote speaker. The session coordinator Mrs. Bharathi R along with Dr. Sheela Kathavate and Dr. Seema Singh participated in the session. About 60 students participated and discussed with the speaker. The speaker explained how to find the need in the society to come up with a product which can fit to be sold in the market. The session ended with Q&A.



The poster features the logos of BMS Institute of Technology & Management and the Institution's Innovation Council. It includes a portrait of Mr. Jawed Raza and provides details about the session's date, time, and venue. Contact information is also listed at the bottom.

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Session on "Building an Innovation/product fit for market"

Speaker:
Mr. Jawed Raza,
Director, Airbizz Solutions

Date : 28th July 2022
Time : 12PM-1PM

Venue: CSE Seminar Hall, fourth floor,
BSN Block, BMSIT&M

Contact- innovation@bmsit.in, 080-68730438



INTERNAL SESSIONS

• Brainstorming on Zero Waste 2022

A brainstorming session on waste management was held on 22nd June 2022 at the Innovation Centre at 2:30 PM. About 10 students participated and attended the quiz. Students presented the ideas of waste management and the engineering solutions to tackle them.

Dr. Seema Singh, Dr. Sheela Kathavate, Dr. Anup Ekbote, Dr. Bharathi Malakareddy, Mr. Jagadish and Ms. Shama H M were part of the session.



• Students' Entrepreneurial Journey - commencement from April

An Interactive session was convened by Dr. Seema Singh, Dean External Relations and Ms. Shama H M, Innovation Centre in-charge. About 22 students participated at the session.

In continuation with the previous session, Dr. Seema proposed the area and problem statements which were open to students to pick and start work. Ms. Shama H M explained the basics of the areas like IOT, micro-controller, web development and app development and their applications. She also guided students on how to select a problem statement and the steps involved in building a prototype. Dr. Seema and Ms. Shama reviewed students' ideas for Smart India Hackathon 2022.



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

INSTITUTE INNOVATION COUNCIL
Ministry of Education

INNOVATION CENTRE PRESENTS

STUDENTS' ENTREPRENEURIAL JOURNEY 2022-SESSION 5

Discussions and talks on youth entrepreneurship.

Date : 1st April 2022
Time : 2PM-3PM
Venue: Innovation Centre, 5th floor, BSN Block, BMSIT&M

EVENT CONVENERS

Ms. Shama H M
Innovation Centre In Charge
BMSIT&M

Dr. Seema Singh
Dean- External Relations
BMSIT&M

Contact- innovation@bmsit.in, 080-68730438



CO-CREATE Student Entrepreneurship Panel discussion and Roadshow

The Student Entrepreneur Roadshow, organized by CoCreate, took place on January 13, 2023, at BMSIT&M campus. The event aimed to connect student entrepreneurs supported by CoCreate with students and faculty members from various disciplines. With over 125 students in attendance, the panel featured 10 entrepreneurs representing different startups. Here is a summary of the startups and their respective entrepreneurs:

1. Assert - Hrithin Kedage: Offers objective expertise delivery and transforms companies' career pages into effective hiring platforms.
2. Abhaya - Rahul Reddy V: Enhances security for small and medium-sized businesses by reducing vulnerabilities.
3. Consuma - Sachin Shankar: Provides an AI-powered market intelligence platform that generates business insights and trends from web data.
4. Data Nominee - Gurukiran: Offers an end-to-end digital assets nominee management platform utilizing Web3.0 technology.
5. PhysiFit - Shrikar Madhu: Develops an AI-enabled digital therapeutics platform to accelerate patient rehabilitation.
6. Smart Chakra - Ananya M, Namratha R, Tarakesh M: Creates a smart and unique tire management system for safer and efficient transportation.
7. TeaminUp - Shashank Lokesh: Uses data-driven psychometry and AI to reimagine collaboration and team formation.

The event was promoted extensively throughout the campus. Student and faculty coordinators made classroom announcements, put up posters on notice boards, and shared information with interested students, generating significant interest.

The event began with an address by Dr. Seema Singh, followed by Kiriti from CoCreate Ventures introducing the Roadshow and its significance for students. Mr. Chetan Shirnali shared his experiences and entrepreneurial journey, emphasizing the opportunities available to present-day students through BMSIT&M and CoCreate to pursue their passions and create valuable innovations with support.

The moderated panel discussion commenced with Shashank from TeaminUp introducing the entrepreneurs and their startups. The panelists discussed various aspects of entrepreneurship, including the reasons for choosing this path, the potential for personal and professional growth, and balancing entrepreneurship with academic responsibilities. They also highlighted the importance of innovation and addressed audience questions on deep-tech in businesses, recommended books, and other relevant topics.

The event concluded with remarks from the Principal of BMSIT&M and closing remarks from Mr. Chetan Shirnali. Students had the opportunity to interact with the entrepreneurs, discussing their businesses and potential opportunities.



STARTUP PREMIER LEAGUE

A college wide event, the 'Startup Premier League' was organized by the 'Entrepreneurship Development Cell (EDC) of BMSIT&M' in collaboration with E-cell of RVCE, in order to help the future entrepreneurs of the campus to enhance their skills and expand their vision as a realistic entrepreneur. This was the first offline event organized by EDC in the past two years, after the covid pandemic restrictions were lifted by the government and everything was back to norm; students attended college. The event took place on 31st May, 2022 starting from 9 AM to 6:30 PM in the Architecture Auditorium.

Entrepreneurship Development Cell helps budding entrepreneurs to come up with their innovative ideas and gain knowledge about the procedure and struggles an entrepreneur goes through, during and after his startup has been established. The Startup Premier League(SPL) inspired by the Indian Premier League(IPL) provided a platform for the enthusiastic BMSITians to enhance their skills as an entrepreneur through fun activities related to cricket, the most prevalent sports in the world



Mr. Jashwanth K E, the President of EDC, BMSIT&M, concluded the event with short vote of thanks. Mr. Jashwanth thanked the College Management for encouraging his team to organize the event and also appreciated the roles of participants and the audiences for their huge response in making SPL a grand success.

He also expressed his sincere gratitude towards the Chief Guests and Judges for managing their schedule and accepting the proposal for judging the event and finally expanding the vision of students on entrepreneurship.

The 'Startup Premier League' organized by the 'Entrepreneurship Development Cell (EDC) of BMSIT&M' was successfully completed and created a motivational trigger to the budding entrepreneurs who attended the event. The event provided a lot of learning opportunities for the young entrepreneurs and also expanded their knowledge about the challenges they might face while establishing their own startups and some of the measures they may take to overcome it. The EDC core team and the audience who joined this event enthusiastically supported these future entrepreneurs who showcased their knowledge and creativity



BMS Innovation Centre and Entrepreneurship Park

BICEP TEAM

- **President** - Dr. Mohan Babu G N
- **Dean Innovation & Entrepreneurship** - Dr. Seema Singh
- **BICEP Manager** - Mr. Chennabasava C

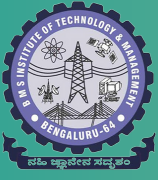
SECTION HEADS

- **INNOVATION CENTRE** - Prof. Madhu M C, Dr. Vinay H V,
Ms. Shama H M
- **INCUBATION CENTRE** - Dr. Usha B A,
Dr. Ravichandra K R
- **ENTREPRENEURSHIP DEVELOPMENT CELL** - Prof. Bharathi R,
Prof. Archana K

Department Faculty Coordinators

Department	Faculty Coordinator
AI&ML	Dr. Pradeep K R, Dr. Chandrashekar
Chemistry	Dr. K Suresh Kumar
Civil	Dr. Anup Ekbote, Dr. Marsh Bandi, Dr. G Aruna
CSE	Prof. Jagadish P, Prof. Rajesh N V, Prof. Mari Kirthima
ECE	Dr. Suneet Kumar Agnihotri, Dr. Asha K, Dr. Anna Marie George
EEE	Prof. Nagaraj D Chonali, Dr. Madhu Palati, Prof. Suma Umesh
ETE	Dr. Sumathi M S
ISE	Prof. Mahalakshmi S, Dr. Karthik S A, Dr. Shanthi D L
Mathematics	Dr. Priyanka Pal
MBA	Dr. Nethravathi N
MCA	Prof. Dwarakanath G V, Prof. Reshma C R
ME	Prof. K Chandra Sekhara Reddy
Physics	Dr. C Kavitha

- **SDA** - Mrs. Nethra A
- **Student Interns** - Mr. Raghav Kumar Jha-1BY21IS124
Mr. S C Arham-1BY20CS153



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)



BICEP

BMS Innovation Centre and Entrepreneurship Park

- BMSIT&M established BICEP - BMS Innovation Centre and Entrepreneurship Park to encourage students and faculties to catalyze development of innovation-driven enterprises.
- The Centre has been recognized and approved as the Host Institute to setup Business Incubator (BI) by Ministry of MSME, Govt. of India.
- BICEP activities enable its students to get first-hand experience in entrepreneurship, promote innovation at the institute and provide comprehensive



TRAINING

Peer Learning
Market Research
Feasibility Analysis
Lean Start-up

ECOSYSTEM ACCESS

Networking Support
Access to Funding Agencies & Symbiosis Community
Legal Support

MENTORING

Business Model
Finance/Business Plan
Development
Sales/Marketing
Branding

PROTOTYPING AND PoC VALIDATION

Ideation
Innovation Lab
Design Thinking
Product Validation
Pilot Launch



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BMSIT&M

ENTREPRENEURSHIP DEVELOPMENT PROGRAMME

- Business Ideas and Nurturing
- Government Policies, Schemes, Grants and Incentives
- Business Registrations & Licenses
- Industrial Workshops
- Bankable Project Reports
- Industrial Documentaries
- Expert Episodes

