



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

**BMS** INSTITUTE OF TECHNOLOGY & MANAGEMENT  
(Autonomous Under VTU)



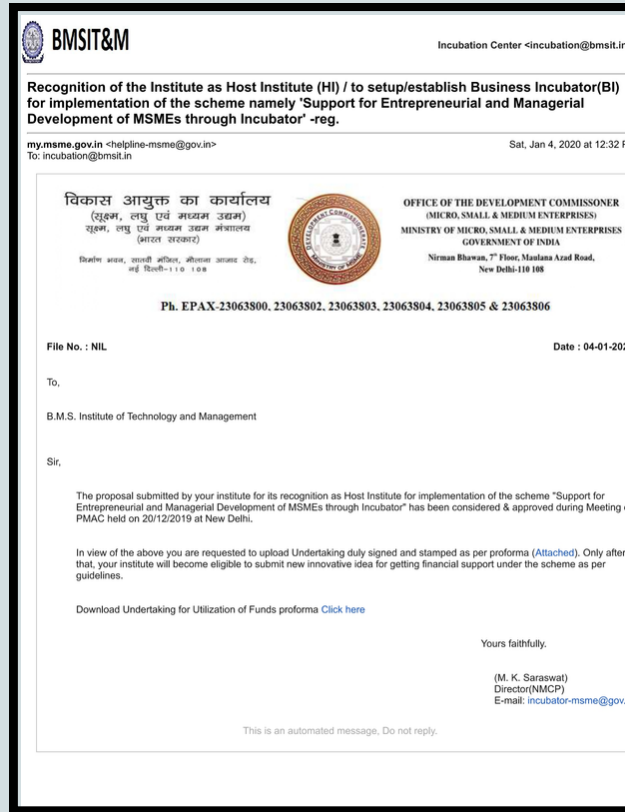
# BICEP

## BMS Innovation Centre and Entrepreneurship Park NEWSLETTER



**2023-24**

**Volume - 02 Issue - 01**



## TABLE OF CONTENT : -

TITLE	Pg.No	TITLE	Pg.No
BICEP STUDENT INTERNS	1	AWARDS	13
FACULTY DRIVEN PROJECTS	2	BEYOND CAMPUS	14
STUDENT INDUCTION PROGRAMME	4	AYUDHA POOJA	16
PRE-INCUBATEE PRESENTATION	5	INDUSTRY VISIT	17
COHORTS BY INCUBATED TEAM	6	INNOVATION AMBASSADORS PROGRAM	19
SMART INDIA HACKATHON	7	EXPOSER SESSIONS	20
BICEP INTERNSHIPS	9	BICEP TEAM	23

# 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.



Dharmaprakasha Rajakarya Prasakta  
**LATE SRI. B. M. SREENIVASIAH**  
Founder  
B.M.S. Educational Trust



**LATE SRI. B. S. NARAYAN**  
Donor Trustee  
B.M.S. Educational Trust

## PHONE:

+91 80 6873 0410

## WEBSITE:

<https://bmsit.ac.in/> - BICEP

## EMAIL:

bicep@bmsit.in

## FACEBOOK LINK:

<https://www.facebook.com/bmsit>

## INSTAGRAM:

[https://www.instagram.com/bicep\\_bmsitm?  
igsh=bGxuejh3cGgyeHI4](https://www.instagram.com/bicep_bmsitm?igsh=bGxuejh3cGgyeHI4)

## LINKEDIN LINK:

[https://www.linkedin.com/school/bms-  
institute-of-technology-and- management/](https://www.linkedin.com/school/bms-institute-of-technology-and-management/)

## YOUTUBE:

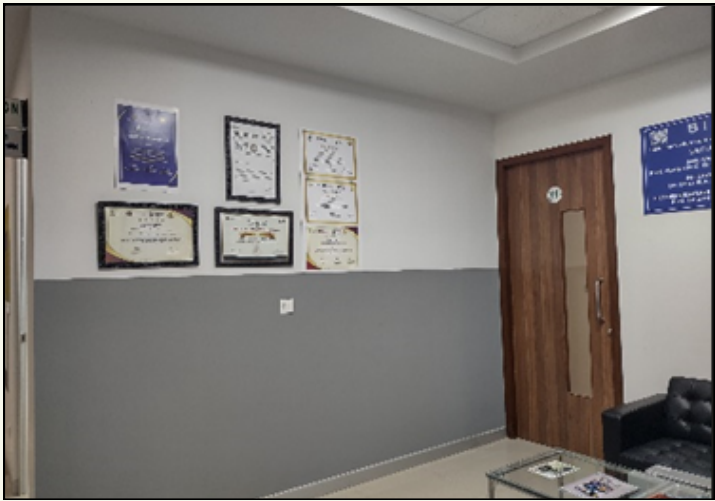
[https://www.youtube.com/channel/UCZ  
LUwjJYZZvXvfPketkZZMQ](https://www.youtube.com/channel/UCZLUwjJYZZvXvfPketkZZMQ)

# BICEP STUDENT INTERNS

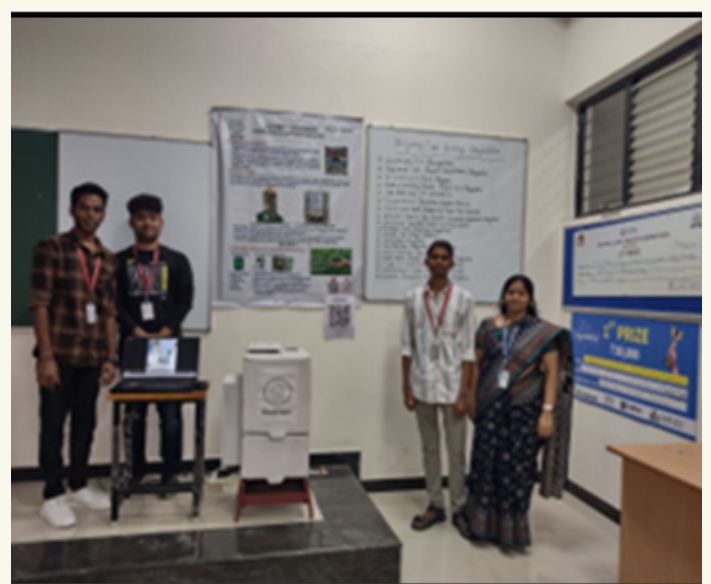
BICEP received vital support from three talented student interns from July to December 2023. They not only gained exposure to our dynamic system but also immersed themselves in our unique culture, enhancing their experiences while earning a well-deserved stipend. Mr. Raghav Kumar Jha (1BY21IS124) and Mr. S. C. Arham (1BY20CS153) notably contributed from July to September 2023. Additionally, Mr. R Venkatesh (1BY21ET033) has been a dedicated member since November 2023.

Our meticulous two-level intern selection process, coordinated by BICEP section heads and the Dean of Innovation and Entrepreneurship, ensures seamless integration and contributions to our mission. We appreciate these students for their commitment and the positive impact on our organization.

**National Board of Accreditation (NBA)** had visited on 7th July 2023 to BICEP and Aarohan - Hardware Innovation lab. The facility was appreciated by NBA committee members in their exit session.



## BICEP



## Aarohan Hardware Innovation Lab



## EXPERT TALKS

- Session on "Converting Innovation into a Start-up" with **Mr. Ratnakar Shastry**, Founder and CEO of Avi Solar Tech Bangalore on July 11, 2023, at 2.45 p.m. in the 2nd floor Seminar Hall, Academic Block, BMSIT. This event was coordinated by Prof. Madhu M C, BICEP - Innovation centre.

- Session on "**HOW TO START A START-UP, LEGAL & ETHICS**", organized by Entrepreneurship Development Cell, BICEP with **Mr. Akhil, a Chartered Accountant** on 18th Aug 2023 at E-studio BSN block. This session was dedicated to shedding light on the intricacies of starting and scaling a successful start-up. Experts shared their knowledge about the tools to initiate



their ventures while upholding strong legal and ethical standards in today's complex, business environment. This event was coordinated by Prof. Bharathi R and Prof. Archana K, BICEP - EDC Coordinators and Mr. Chennabasava C, BICEP Manager.

## ***FACULTY-DRIVEN PRODUCT-ORIENTED PROJECTS***

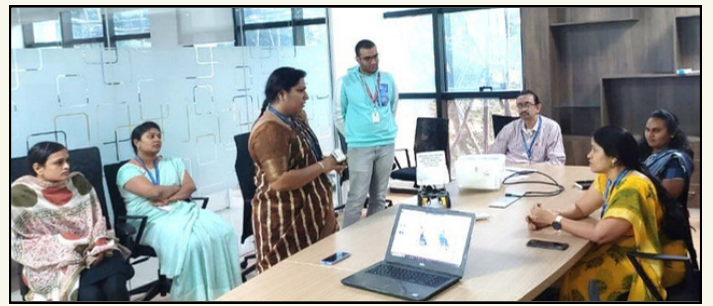
The BICEP Innovation Centre has disbursed the initial phase of funding, amounting to Rs 15,000 each, to support two faculty members in their respective projects under Phase 2. Dr. K. Suresh Kumar from the Department of Chemistry secured funding for his project titled "Naked Eye Based Seafood Freshness, Spoilage & Adulteration Monitoring System," and Prof. Nirupama B. Khande from the Department of MCA received funding for her project titled "Smart Perfume Dispenser in Restroom" on July 21, 2023. The coordination of these initiatives was overseen by Ms. Shama H M, and the progress of both projects is under the supervision of Prof. Madhu M C. In addition, the BICEP - Innovation launched the third phase of faculty-driven, product-oriented projects. Dr. Madhu M C, the Innovation Coordinator, called for proposals in October 2023, resulting in the selection of four faculty members for the initial presentations at BICEP.



The selected projects and faculty members are as follows:

SL No	Faculty Name	Project Title
1	Dr. Vijayalakshmi	Smart Footwear for visually impaired community's
2	Dr. Ravichandra	Sky-Lander: A Multi-Modal Mobility Rover
3	Prof. Chandrababha	Solar Powered automated lake cleaner

The BICEP Innovation center has initiated the evaluation of 3rd phase of Faculty driven projects. This selects, promotes, and fund the product-oriented project by faculty members. Dr. Dhanalakshmi, Assistant Professor, CSE department presented a project titled crab walk wheelchair at BICEP on 13th Dec 2023. This is the first round of evaluation of the project under faculty driven projects phase 3 for 2023.



## ***Faculty Driven Project Review of Phase 2 projects***



The second Phase of the project titled “Naked Eye Based Seafood Freshness, Spoilage & Adulteration Monitoring System” by Dr. Suresh was reviewed on 30.10.2023. The initial stages of procurement of chemicals consumables have been done by utilising the amount of Rs.15000/- funded from BICEP in the first phase. Fabrication of strip needs to be done. The strip is a robust polymer. Percentage of nitrates and sulphates can be obtained through the change in color bserved on the strip. A lower percentage showed lighter pink color in the used meat sample. This procedure can be used in quality control.

## ***Project with Professors***

A project presentation by Professor held on July 28, 2023, with Dr. Raju Hajare, Associate Professor, ETE Dept in Seminar hall, Academic block. The topic was “Design, model, simulate, and fabricate nano devices for Future Electronics”. This event was coordinated by Dr. Madhu M C and Dr. Vinay, BICEP - Innovation heads.



## ***Selection of IIC 6.0 student Ambassadors:***

BICEP conducted interviews for the selection of Student Ambassadors for IIC 6.0, offering seven different positions. The interview process took place on December 12, 2023, with a total of 35 students participating. From this pool, 8 students were successfully chosen to fill five positions. The interview panel comprised of all section heads, contributing to the comprehensive selection process. The designated positions are outlined below.

1. Chief Academic and Industry
2. Chief Design and Development
3. Chief Event Management
4. Chief Human Resource Management
5. Chief Innovation and Creativity



# ***Student Induction programme***

The 2023 BMSIT&M first-year student Induction Program, held from September 4th to 14th, included two briefing sessions by BICEP on September 6th (Physics Cycle) and September 11th (Chemistry Cycle). The sessions covered BICEP introduction, Aarohan lab facilities, NISP policies, mentor panel list, and a presentation on current pre-incubates. Led by Dr. Ravichandran K R, Ms. Shama H M, Prof. Archana K, and Prof Mahalakshmi S, the coordinators provided insights into BICEP's services.



## ***STUDENT STARTUP***



Mr. Chennabsava, BICEP Manager orchestrated the pitch session for the "Venturethon" event, involving selected students, on July 21st and 22nd, 2023. The initiative encourages students to delve into startup practices, encompassing ideation, pitching, training, and incubation. The event received support from Prof. Archana, Dr. Ravichandra, Ms. Shama H M, and Dr. Usha B A.



# Pre-Incubatee Presentation

Pre-Incubatee Presentation was held at Board Room, Academic Block on July 31, 2023, in the presence of Principal and the BICEP team. This event is Co-ordinated by Dr. Ravichandra K R BICEP - Incubation centre. This event is supported by of BICEP Co-ordinators.

Following teams were present:

Sl No	Student Name	Department	Project/Faculty
1	Mr. Tejas Mutalikdesai	ISE	SGRT – Medical Expert Career Treatment
2	Mr. Lokesh & Team	ISE	DELOAI
3	Mr. Sai Niranjan R	MBA	E-Commerce for silk textile products
4	Mr. Ashwin	External	Electronics Design Consultancy
5	Mr. Venkatesh & Team	ETE	Dostbin/Dr. Seema Singh
6	Mr. Prajwal & Team	CV	Bagusk/ Dr Anup Ekbote
7	Mr. Satyanarayana Prashar	ECE	Mr. Jagannath K. B.

BICEP provides support to students with innovative startup ideas by offering pre-incubation assistance before formal incubation. To get selected for pre-incubation, students present their proposals. On July 31st, four teams presented their ideas. The second day, on August 1st, 2023, featured presentations from three teams. The panel evaluating these presentations includes the Principal and the core team from BICEP. Dr. Ravichandra K R, the Incubation Coordinator at BICEP, oversees the enrollment of pre-incubatees.



# COHORTS attended by BICEP Pre-Incubate team - DOSTBIN

## IIT Madras – GDC I-NUDUCT Cohort :

The DOSTBIN team, pre-incubated at BICEP, was selected for the IIT Madras GDC I-NUDUCT program held from August 18th to September 25th, 2023. I-NUDUCT, a 4-week experiential learning initiative for STEM researchers and students, provides insights into entrepreneurial challenges. It focuses on stimulating entrepreneurial instincts and fostering reflection on personal motivations, anxieties, and emotions related to entrepreneurship. I-NUDUCT also concentrates on improving participants' business acumen, aiding them in understanding the intricacies of business operations and the essentials for making a startup viable. Dr. Seema Singh, Mr. Venkatesh R, Mr. Shumail Ali Khan, and Mr. Narasimha Murthy, each dedicated 60% of their time to the program, involving preparation, interviews, team discussions, interactions with instructors and mentors, as well as completing assignments and weekly presentations.



## Punjab Agri-based Incubator (PABI) Cohort

The DOSTBIN team, pre-incubated at BICEP, has been chosen by PABI for a two-month training program called Uddam and Udaan, commencing on September 11, 2023. Throughout the program, the team will undergo various selection processes and stands a chance to receive a government fund of 25 Lakhs if shortlisted at the end of the cohort. This comprehensive training includes lectures from experts in the fields of legal, finance, marketing, production, and operational challenges, offering solutions to potential hurdles faced by entrepreneurs in their journey. This program was supported by Rashtriya Krishi Vikas Yojana (RKVY)

## BICEP Logo competition

The BICEP team launched a Logo competition to create a new emblem that encapsulates the essence of the Innovation & Entrepreneurship ecosystem. Students actively participated, resulting in a substantial response. Phase 1 of the competition, held on August 9, 2023, aimed to shortlist the top 10 logos. Mr. Chennabasava C, BICEP Manager, coordinated the event, with support from Ms. Shama, BICEP's Innovation Coordinator. The ultimate logo was unveiled on August 21st, coinciding with World Entrepreneurs Day.



World Entrepreneurs Day was celebrated with a Panel discussion on “Sustaining startups” by the Alumni Entrepreneurs Event held on 21st Aug 2023 at BSN block 1st floor E-Studio.

Participated guests were Mr. Mohammed Fahim, Founder of Fervent Houses, Mr. Chethan G S, Managing director of CS Group of Companies,

## ***Smart India Hackathon (National level)***

The Internal Hackathon for Smart India Hackathon 2023 spanned two days, with the first leg held on September 15, 2023, for second-year and third-year students, and the second leg on September 27, 2023, for first-year and final-year students. A total of 28 teams, comprising 160 students, participated, addressing various themes and problem statements proposed by industries, ministries, and organizations for SIH 2023. All 28 teams progressed to the National level semi-final round, from which three groups were selected for the National level final round:

1. Devanshi Sharma and team – Project Titled: Visionaries United
2. Anubhav Anand and Team – Project Titled: Curious Coders
3. Lokesh and Team – Runtime\_ Project Titled: Terrors

Problem statement evaluations took place at two locations: Poornima Institute of Engineering and Technology, Jaipur, and IES College of Technology, Bhopal, Madhya Pradesh, on December 19th and 20th, 2023, for the final round.



## ***Something India Soft Drink Launch Program***



On October 27, 2023, a recently pre-incubated company conducted a survey at Kaapi Kuteera for their product, receiving an overwhelming response from the students. The Founder, Mr. Shankar, and Mr. Vikas from the ECE Department are planning to launch a desi-flavored soft drink that not only offers health benefits but also aims to capture a significant market share in India. The products, named Juljira, pose direct competition to Bindu Jeera flavor, and other flavors like Shikanji, Nannari, Kokum were also introduced during the presentation.

## ***National Entrepreneurs Day Celebration***

BICEP under E-CELL celebrated National Entrepreneurs Day on 24th November 2023, at SIR M V Auditorium, Architecture Block. Renowned Entrepreneur, Mr. Basavaraj C H, served as the esteemed chief guest. The event also welcomed distinguished guests, Dr. Seema Singh, Dean of Innovation & Entrepreneurship, and Mr. Ravichandran K R from BICEP. Mr. Ravichandran K R commenced the event by elucidating the mission of BICEP, emphasizing their support in nurturing students' entrepreneurial aspirations.



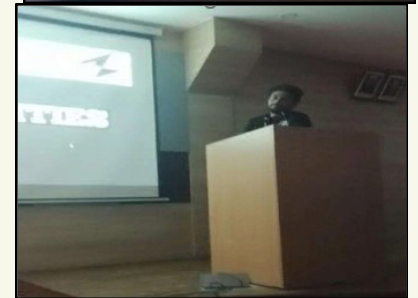
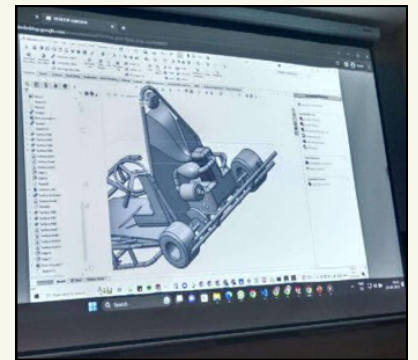
# World Entrepreneurs Day Celebration

World Entrepreneurs Day was celebrated with a Panel discussion on “Sustaining startups” by the Alumni Entrepreneurs Event held on 21st Aug 2023 at BSN block 1st floor E-Studio. Participated guests were Mr. Mohammed Fahim, Founder of Fervent Houses, Mr. Chethan G S, Managing director of CS Group of Companies, Mr. Kaushik S. A CEO & Founder Crew of Cyber Consulting, Mr. Adarsh Babu, CEO & Founder of Ember Quest. This event was coordinated by Prof. Bharathi R, BICEP - EDC Coordinator, Mr. Chennabsava C, BICEP Manager & Prof. Archana K, BICEP – EDC Coordinator.



## DIGITAL LAUNCH OF KART

Indian Karting Race (IKR) is a contest formulated to enhance the approach of students practicing Engineering and Diploma courses. It's a Student Go-Kart design and manufacturing competition. Student from all over India register their team and compete with other teams in the different round of the event. INDIA'S BIGGEST GO-KART EVENT final event for 8th season is planned on 26th - 30th October 2023 at Buddh International Circuit, Greater Noida. BMSIT&M has been participating since 2 years. Continuing the participation for this year, a Launch event held on August 25, 2023, at seminal hall 2nd floor, academic block. This special occasion brought together team members, the Dean of Academics, and many teachers from various departments IKR 2023 Digital Launch and the Indian Kart Racing National level competition. Their presence demonstrated the university's commitment to promoting diverse interests among students and fostering a well-rounded educational experience. Institute funded the fabrication of Kart with Rs. 2,87,500/-



## Event Organized by BICEP Innovation

An Internal Hackathon for Smart India Hackathon 2022 was conducted on two separate days: September 15, 2023, for second-year and third-year students, and September 27, 2023, for first-year and final-year students. The event took place from 1:00 PM to 4:00 PM on both days. On September 15, 2023, 24 teams, consisting of approximately 35 students, participated with diverse themes and problem statements proposed by industries, ministries, and organizations for SIH 2022. The jury panel comprised both internal and external members. Dr. Seema Singh, Ms. Shama H M, Dr. Vinay H V, Prof. Bharathi R, and Mr. Chennabasava, BICEP Manager, served as internal scrutiny members. Approximately 10 teaching faculty members actively participated in the event with review and active contribution.



The top 20 ideas were shortlisted, with 4 placed on a waitlist for further consideration. Internal idea presentations for higher semesters were conducted, overseen by Ms. Shama H M and Prof. Madhu M C, BICEP - Innovation heads coordinator and SPOC for the event. The selected ideas were submitted to SIH 2023 in various categories, with BMSIT&M submitting a total of 24 ideas in the shortlisted category following the second round of internal evaluation on September 27, 2023.

# World Entrepreneurs Day and Advert 1.0 Event hosted by E - Cell

BICEP, emphasizing their support in nurturing students' entrepreneurial aspirations. Mr. Basavaraj C H, a seasoned entrepreneur, as the keynote speaker inspired and motivated students to embrace entrepreneurship. He encouraged students to maximize the available facilities. With insights drawn from his own experience, Mr. Basavaraj C H provided valuable advice on initiating entrepreneurial journeys and offered practical suggestions on building a company from the ground up. The central focus of the event was to instil in students the inspiration and determination needed to pursue their entrepreneurial dreams, creating an environment where innovation and business development could flourish.



Sl No	Teams	Name	Cash Prize
1	Team 11/9 AIML, 1st semester	Rohit, Saharsh Raj, Sanket Raj, Ashish, Swatantra Tiwary, Vivek Singh	1st place Rs.2,000/-
2	Wheeler Dealers ECE, 1st semester	Ananya Gladys, Tanvi Basavaraj, Srijan U, Johan Aditya, Adithya	2nd place Rs. 1,500/-
3	Moya Marketers ETE, 1st semester	Gorja Ahire Devangi, Sood Abhinav A S, Asishram Naidu, Saurav Sharma	3rd place Rs. 1,000/-



## Tech-Transform-2023

The Tech-Transform-2023, annual technical festival at BMSIT&M was conducted in collaboration with BICEP on 22nd-23rd December 2023. It is one of the platforms for engineering students to knowledge exchange, dynamic discussions, transformative insights and thought leadership. The highlight of Tech Transform event is a Panel Discussion with four eminent start-up experts on 23rd December, 2024



The distinguished experts were Dr. M.T. Aravind, CEO, Ramaiah Evolute, Mr. Pramodh B.N. Founding partner from Ground Up Charter member, TIE, Mysore, Mr. Bhaskar Enaganti, CEO & Founder, socially good Marketplace, Pvt. Ltd, Mr. Basu Girenavar, Chief Scientist and Managing Director, Criyagen Agri & Bio tech Pvt. Ltd & Agri App Technologies Pvt. Ltd. Four panel members discussed about their experience of startup journey in India and abroad. They discussed the risk factors they faced and solved at various levels of their journey. They motivated the students to move forward to becoming successful entrepreneurs.

## BICEP 4th semester students internship - 4 categories

1. BICEP Inhouse skill-based Internship.
2. EMBREQUEST PVT LTD.
3. Decathlon
4. COMEDKARES

## 1. BICEP Inhouse Internship

- PCB board design for a given device control operation with IoT control.



SlNo	Name	USN Num
1	Ankit Kini	1BY21EC013
2	Harsha S	1BY21EC052
3	Eshaan Kumar	1BY21EC043
4	Chethan V	1BY21EC033
5	Rajmohan	1BY21EC064
6	R Venkatesh	1BY21ET033

### • Public speaking (Communication skills)

Preparation of attractive presentations and exposure sessions to be given by students interns in nearby schools regarding waste management challenges in India and abroad. Citizen's role in supporting the crisis with their initiatives.



SlNo	Name	USN Num
1	R Chandana	1BY21ET032
2	Vinanth Patil B V	1BY21ET050
3	Karthik V T	1BY21EC067
4	Likitha S R	1BY21EC073
5	Moulya Rajesh	1BY21EC089
6	S N Aditya	1BY21IS161
7	Shishira	1BY21CS171

### • Digital/social media marketing:

Interns are utilizing their skill set to give a measurable outcome in the Internship period with respect to wet waste management.

### • Innovative Projects:

Approved societal need project (market fit) at MVP stage, under guidance of expert professor. Students with a ready prototype are only eligible, which is fit to be tested in a real time scenario.

Ayush Prasad and Shekhar Suman of AIML dept are doing face recognition-based attendance monitoring system.

SlNo	Name	USN Num
1	Vishwas Gowda	1BY21IS194
2	Rithika	1BY21IS030
3	Riyaz Ur Rehman	1BY21EC043
4	Yashra Jain	1BY21IS196
5	Narasimha Murthy D S	1BY21ET021

## 2. EMBREQUEST PVT LTD.

Emberquest is an emerging provider of innovative e-learning solutions tailored to equip individuals with the skills they need to excel in today's competitive job market. Their mission is to bridge the gap between education and industry by offering comprehensive internship training programs and specialized placement training.

- Introduction to Entrepreneurship
- Soft Skills Development programs
- Idea generation and validation and business plans.
- Product development and prototyping and final report submission

52 students have enrolled for the same.



### 3. Decathlon Internship



Event-oriented Decathlon Program has 47 students for the one-month activities-based events. During Launch Day, BICEP introduced Entrepreneurship app which was developed by BICEP interns under the guidance of the BICEP manager. All students installed the app to prepare a survey program.

### 4. ComedKares Internship

ComedKares has designed a series of internship opportunities tailored to provide students with hands-on experience in their respective fields of study. These programs have been carefully structured to align with the academic curriculum and offer real-world insights that can significantly enhance the educational journey of students. They offer 3 options:

- Innovation & Design Thinking
- Social Innovation Program
- Robotics



30 students have enrolled for the same.

### ***BICEP skilled based IN-HOUSE internship completed on 27th November 2023***

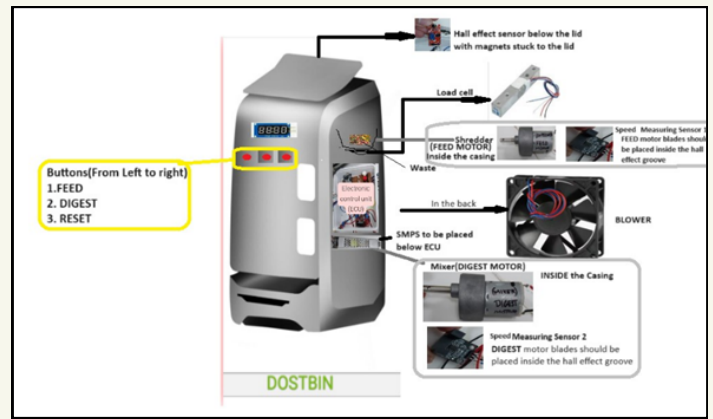
#### • Public Speaking:

Internship consisted of two phases. Phase 1 included visiting government schools within the 5-kilometre radius of the college and conducting sessions regarding SDGs, waste management and household composting. Phase 2 involved conducting interactive sessions about BICEP to 1st semester and 3rd semester students. Public speaking and communication skills has significantly enhanced students' abilities. They developed effective ways to express themselves, engage with diverse audiences, and convey ideas with clarity. The internship has equipped them with valuable tools to navigate various social situations and has heightened their confidence in public speaking. Interns learnt importance of body language and active listening.



• **PCB board design for a given device control operation with IoT control.**

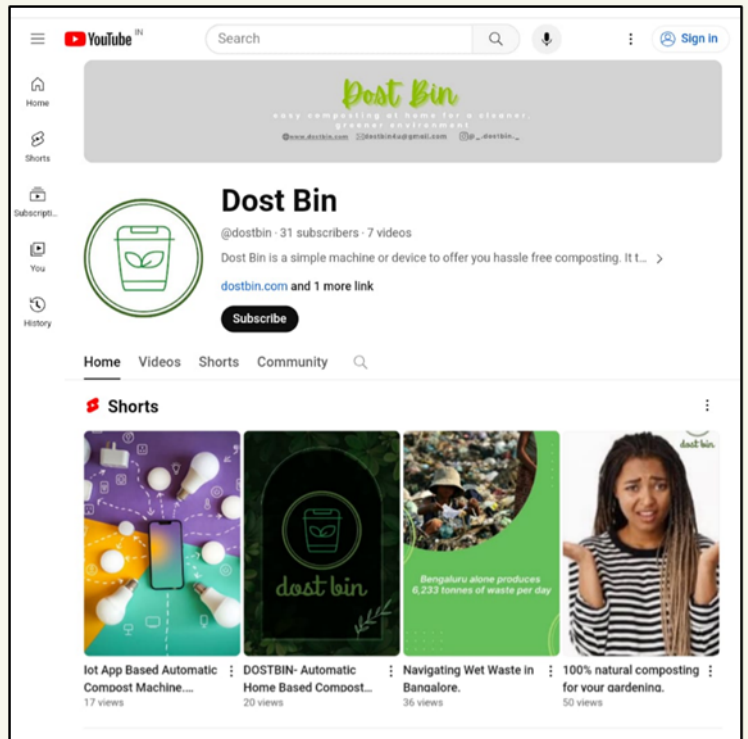
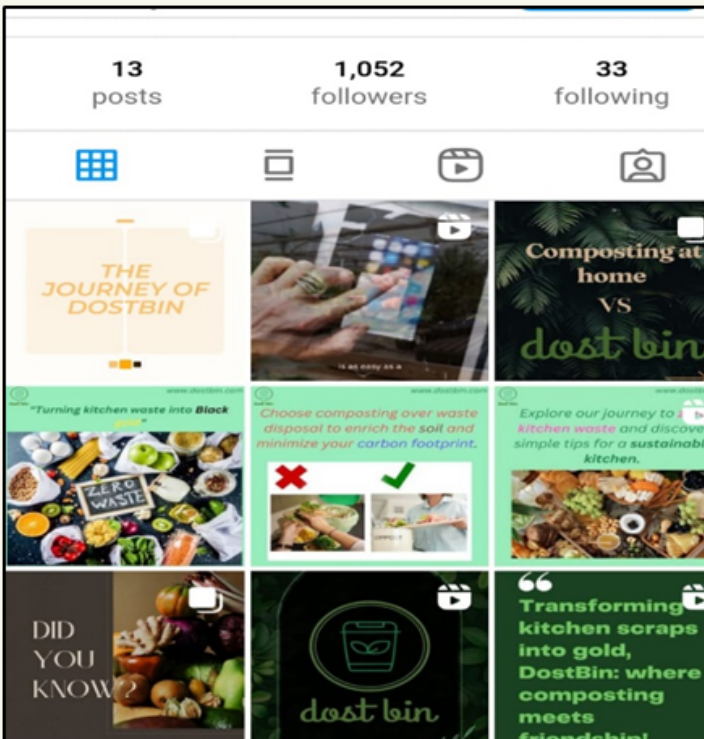
Students interns worked on the electronic control unit of DOSTBIN, a smart home-based composting machine. During their internship, students have learned about the electronics engineering process, such as how to use different tools and software, how to design and simulate circuits and systems, how to prototype and test devices and systems, and how to document and present results. They have also gained valuable skills in communication, creativity, and innovation.



Students were grateful for the opportunity to learn from the experienced and supportive team at BICEP as they utilized BICEP Aarohan hardware innovation laboratory. The components used by them were sponsored by BICEP - Aarohan. Students received positive feedback and appreciation for their work and contributions. Students believe that this internship has prepared them well for their future career in electronics engineering.

• **Digital/Social Media Marketing:**

Students immersed themselves in dynamic digital marketing initiatives for DostBin. This internship provided a valuable platform to contribute eco-friendly practices and enhance their expertise in the digital marketing landscape. students handled the Instagram of DostBin for the month and developed brand guidelines, a document briefing on how the marketing should take place and particular steps. They got a good overview of the industry and the whole part where waste management and composting are happening in real life.



## Awards:

DostBin Team applied for India Startup Festival 2023 and participated in TAL Transformers. They attended the Final Pitch on 30th July 2023. Dostbin was selected for the semifinals, and the idea was presented in front of the jury members on 6th Aug 2023. The DostBin team was shortlisted by the Jury. Received prize money of Rs. 25,000 /- on 12th Aug 2023. DOSTBIN - obtained the prize in the Social Innovation Challenge category at Indian start-up festival. The award was given by ISF founder, Mr. J A Chowdhary.



## FKCCI Manthan 2023

DOSTBIN team was shortlisted in the top 32 teams as a finalist, this year across Karnataka state. Final (3rd level) presentation in front of the jury on 12th September 2023. It was awarded Rs 10,000/- cash prize as a finalist at the Grand Finale which happened on 20th September 2023 at Sir M V Auditorium FKCCI K G Road, Bengaluru.



## Indian Karting Race (IKR) -2023 competition

India's biggest Go-Kart final event for the 8th season was conducted during 12th to 16th October, 2023 at Galgotia University and Buddha International Circuit, Greater Noida. 11 student members and Faculty Coordinator Dr. Shripad Diwakar, Assistant Professor, Department of ME were participated in IKR-2023 competition. BMSIT&M team is one among the 33 teams from all over India.



Team Motor Heads of BMSIT&M extremely performed well in different category of the event and bagged "Future award" with a cash prize of Rs.5000/= in IKR-2023 competition. The execution of IKART-2023 project work was financially supported by BICEP of BMSIT&M.

## Inter College Coding Competition:

SJB Institute of Technology has conducted CODE Fiesta Event on 22nd & 23rd December 2023. Department of Information Science and Engineering, BMSIT&M 5th Sem students have won 1st prize with cash amount of INR 25k in CODE Fiesta. Project Name Souls-Script. (Mobile application).

The Participated students were.

1. Mr. Raghav Kumar Jha (USN: 1BY21IS124)
2. Mr. Krishna Gupta (USN: 1BY21IS070)
3. Mr. Krish Gupta (USN: 1BY21IS069)
4. Mr. Pratik N Sabel (USN:1BY21IS114)

Under the guidance of Dr. Swetha M S - Dept. of ISE.



# BEYOND CAMPUS:

## Regional Meet of IIC 6.0 on 9th December at Reva University:

REVA University hosted AICTE/MIC is institution's Innovation Council (IIC) Regional meet and Yukti innovation challenge on 9th December 2023 in Reva University. Four teams participated in a pitch presentation and three teams participated in the exhibition.

### Pitch presentation:

- a) **Dostbin:** An advanced self-composting automatic home-based machine, Dr Seema Singh, ETE Dept.
- b) **DELOAI :** Bringing the power of AIML for the aid of teachers in classroom.
- c) **Adaptive Ambulance Monitoring System :** Mahalakshmi and Team ISE.
- d) **Fall detection in vehicles :** Midhya Devasia EEE Department.

### Exhibition:

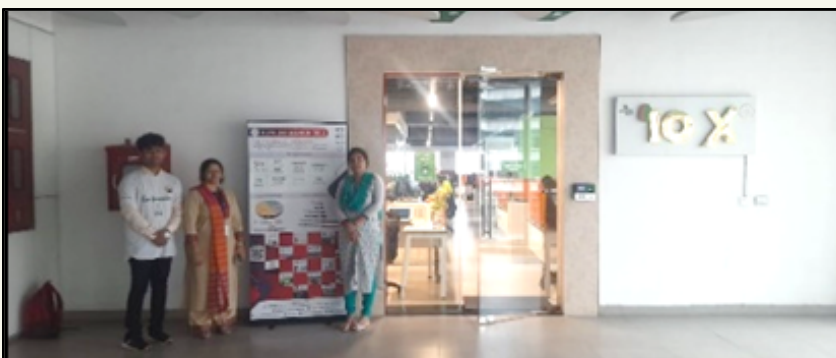
- a) **Dostbin:** An advanced self-composting automatic home-based machine, Dr Seema Singh, ETE Dept.
- b) **Bamboo reinforced precast concrete compound wall panels -** Prof. Shobha R Civil Dept.
- c) **Enhancement of physical properties of black cotton soil by inclusion of nano silica and polypropylene fibres -** Dr. Anupkumar G Ekbote Civil Dept.



1. Dr. Seema Singh & Mr. Shumail Ali Khan were invited for physical pitching session for the "Pitch for Planet" event organised by IIT madras on the Carbon Zero challenge 3.0 for their product DOSTBIN. Dr. Usha B A, Chief Co-ordinator incubation centre was also part of the event.



2. Dr. Seema Singh and Dr. Usha B A visited the Incubation Centre of IIT Madras on July 26, 2023. This visit helped the process of activities involved in Incubation centre of BMSIT&M.



## ***Airport Drone aviation event on 4th Aug 2023***

An awareness event for airport security measures using drones and other equipment was conducted at Bangalore International Airport Ltd by the Department of Civil Aviation. In this regard, BMSIT&M had put up a stall at the departure terminal of the Bangalore airport showcasing the drones and their importance in improving airport security. The event was conducted from 31.07.2023 to 05.08.2023. The students of Aeroclub, BMSITM, Mr. Kshiti, Mr Vaibhav, Mr Shishir, and Mr Harsh Yadav were at the display stall showcasing the drones. This event was coordinated by Prof. Madhu M C, BICEP - Innovation Coordinator.



## ***Bangalore Startup Event:***

Mr. Chennabasava C, BICEP Manager participated in Startup Global Club (SGC) at WeWork Koramangala on July 29th, 2023. SGC is one of the leading StartUp event's organizers in the Market. Monthly one Power networking events organized in all the major cities like Bangalore, Hyderabad, Mumbai, and Delhi followed by 1 funded startup meeting every month in each city. Mr. Mohith is the Director for the whole event. A collaboration to organise such events on the college campus in the upcoming days. There were more than 150 participants in this event.



Mr. Chennabasava C, BICEP Manger participated in an industrial connect meeting with E- chai- venture Startups on 12th Aug 2023. More than 30 people participated, and they shared their struggling points with respect to their startups. BICEP offered strategic pre-incubation model solutions to more than 3 companies shown to be interested in our solution. Mr. Prem, one of the leading software developers, visited BICEP after the meeting and we introduced one of our pre-incubatee DELOAI team. The visitor showed more response towards our offerings, and he showed interest in incubating his company in our facility and further plans are in progress to incubate.



Mr. Chennabasava C, BICEP manager attended Electronica India Expo that was held on 13th 14th & 15th September 2023. Electronica was the world's leading trade fair and conference for electronics, which makes it the most important international meeting place for industry personals. The entire electronics spectrum, from components to systems, applications, and services, will be presented. But there's even more on offer: The extensive conference and supporting program highlighted areas that includes automotive, embedded, wireless, I Io T, connectors/ measurement, and printed electronics. This is where the industry networks—from young talents and students, start-ups and skilled workers to SMEs and the global players in electronics.

Mr. Chennabasava C (BICEP Manager) visited Reva NEST on 10th October 2023 and met Mr. Adhithya (Asst Manager, REVA NEST). Discussion with respect to the start-up ecosystem at university levels and common programs (like with Decathlon brands gaining AICTE activity points) happened. Utilization of the common lab facilities to the Incubates was also discussed.

## ***Ayudha Pooja:***

BICEP celebrated its first Ayudha Pooja on 21st October 2023, including Arohan hardware Innovation lab in the presence of Principal, Vice Principal, Deans and Faculty coordinators.



BICEP allocated space for two Pre-incubates on the auspicious Ayudh Pooja day, 21st October 2023. they are.

- 1. DELOAI Private Ltd. (Room no 6)**
- 2. DOSTBIN Solutions Private Ltd. (Room no 7)**

The founders of DELOAI Private Ltd, are LOKESH and JITENDRIYAN, ISE 7th semester students. They were the winners of Smart India Hackathon 2022 and have been associated with BICEP for more than 10 months as Pre-Incubates. Seeing their commitment towards their Start-up, BICEP management allocated an independent



cabin for their company. Deloi private limited is an IT company deeply immersed in offering top-notch IT services to their esteemed clientele. Additionally, they are fervently engaged in the development of EdTech product which they believe has the potential to revolutionize the way education is approached in our nation.

DOSTBIN is an advanced self-composting, home based machine, supported by electronic control unit and IoT. It started as a faculty driven project in 2022 and gained many laurels at state and national level competitions, winning 2 Lacs worth cash prize. The founder of DOSTBIN Solutions Private Ltd is Dr. Seema Singh and is supported by dedicated students' team from ETE department, 5th semester, Venkatesh R, Shumail Ali khan, Narasimha Murthy D S. The company is registered under BICEP and has received research grant faculty



funding of Rs. 2.45 Lacs from the institute to develop its market ready product for 2 variants. They look forward to solving wet waste management problem both at small scale and larger scale with their product and meaningful collaborations. They are targeting SDG 11, 12, 13. DOSTBIN has also provided skill-based internship opportunities to 18 students to work on live project.

## ***Industry Visit:***

1. A Visit to COMED KARES on Aug 2nd, 2023 was arranged with different department faculty members, instructors and a few students. COMED KARES is a model for the Consortium of Medical, Engineering and Dental in Karnataka colleges. Around 155 institutions affiliated to VTU colleges are attached to Comed Kares. Around 25 members from BMSITM got exposed to the facilities and support available there. Rapid prototyping (including 3D printing, laser cutting, laser welding), innovative products and projects were demonstrated.



This event was coordinated by Prof. Madhu M C, BICEP - Innovation Coordinator.

2. Visited K-tech Innovation Hub on August 4th, 2023. The Hubs, titled Common Instrumentation Facilities, is a chain of hardware product startup incubators across the state of Karnataka, spanning around 40,000 sq. ft. These have been set up by Karnataka Innovation and Technology Society (KITS), under the Department of IT, BT and S&T, Govt. The visit provided the students with the practical knowledge about startups and the technologies, it led us to networking opportunities with many new things, we were explored to the working conditions of machinery with innovation and technology, it enabled us to think advance and how to find a better solution to the different problem with innovative ideas and how to recruit the required capital through different government and non-government schemes. This event was coordinated by Dr. Vinay, BICEP - Innovation Coordinator & Dr. Nethravathi N BICEP - Coordinator.



**Guest visited to BICEP:**

Mr. Mohith Director of Startup Global Club (SGC) visited to BICEP, BMSIT on 25th August 2023, He verified the possibilities to conduct the industrial connect programs in our college venue The plan is to conduct a program for the corporate employees on a weekend which helps to motivate students to have their own startups. On the other hand, this will be an opportunity for BICEP to attract more applications for pre-incubation.



# ***Innovation Ambassadors Program***

Guided section heads and faculty members to take up course on Innovation and Entrepreneurship from MoE IIC.

Faculty involvement in IICs is crucial as they serve as mentors, guiding students in their journey of innovation and entrepreneurship. To ensure effective mentorship, it's essential for mentors to possess adequate mentoring skills, addressing the existing gap in Indian Higher Education Institutes (HEIs).

The list of faculties completed the innovation ambassador program

<b>Sl NO</b>	<b>Basic IA Course (Total of 15 sessions of 30 contact hours)</b>	<b>Advanced IA Course (Total 16 Sessions of 30 contact hours)</b>
1	Prof. Bharathi R	Dr. Seema Singh
2	Ms. Shama H M	Prof. Bharathi R
3	Dr. Seema Singh	Ms Shama H M
4	Dr. Ravichandran KR	Dr. Sheela Kathavate
5	Prof. Archana K	
6	Dr. Madhu M C	
7	Dr. Usha B A	
8	Dr. Sheela Kathavate	
9	Dr. Kallur V Vijayakumar	

## ***BICEP Exposer sessions to 1st and 3rd semester students***

Students will be engaged with lecture series from MoE IIC, which give them basics of I&E. With this knowledge, they will be able to do more meaningful work/projects in semesters to come. Details of 21 hrs engagement and topics to be covered.

<b>SL NO</b>	<b>Video Title</b>	<b>Video Theme</b>	<b>Speaker Name Speaker Designation</b>
1	National Education Policy (NEP): Research, Innovation and Entrepreneurship for HEIs & National Innovation and Startup Policy (NISP): Guiding Framework for HEIs	NISP & NEP	Dipan Sahu Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Govt. of India
2	Validate Your Journey: Getting from Idea to Prototype Stage	Product Development Stage	Dr Harsh Chaturvedi, Faculty at IIT Guwahati
3	Attaining Problem-Solution Fit: Application of Design Thinking Tools and Approach for Right Problem Identification and Solution Development	Design Thinking	Dipan Sahu Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Govt. of India
4	Application of ChatGPT for Innovation, IP Commercialisation and Technology Transfer	ChatGPT For Innovation	Rahul Kapoor Founder, Turnip Innovations
5	Potential roadblocks while ideating on your startup	Startup	Sanjoy Sarma Partner-Alliances
6	Developing Business Model Canvas and Customer Journey Mapping	Business Canvas	Dipan Sahu Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Govt. of India

## Exposer sessions to 1st and 3rd semester students

SL NO	Video Title	Video Theme	Speaker Name Speaker Designation
7	Preparation for writing a Business plan: Components and Stages in Business Plan Development	Business Plan Development	Shikha Dhawan Portfolio Living: Microbiology, Public Health, Health Research, Women Empowerment, Mentor for Startups, Corporate Social Responsibility
8	Understanding Technology Readiness Level (TRL), Manufacturing Readiness Level (MRL) and Investment Readiness Level (IRL) Stages & Implications in Innovation Development	TRL & MRL & IRL Innovation Development	Arindam Mukhopadhyay Partner @ India Accelerator
9	Integration of Market and Marketing Research at the early stage of Start-up Planning: Understanding the market for the product and service	Startup	Deepak Sharma Building India Accelerator & IA Labs   Serial Entrepreneur   Angel Investor   Coach   Polymath   Aspiring Yogi
10	Preparing marketing plan for the product and service	Marketing Research	Aditi Anand Head of Marketing - L'Or
11	Attaining Market-Product Fit: Prototype Designing Process and Tools for Development of Minimum Viable Product (MVP)	Prtotype Designing	Deepak Sharma Building India Accelerator & IA Labs   Serial Entrepreneur   Angel Investor   Coach   Polymath   Aspiring Yogi
12	Pre-Incubation and Incubation Support system for Early Stage Start-ups in India	Startup	Munish Bhatia Co-Founder, India Accelerator   CEO, Bharat Ventures   Mentor? Angel Investor?
13	Attaining Business Fit: Refine Business Plan of your Start-up	Buisness Plan for Startup	Gunika Grover SDG First Solutions @ Best Startup Accelerator in India   IA Impact Labs   Bharat Ventures
14	Legal and Ethical Steps and Regulatory Issues for Start-up Establishment	Startup	Himanshu Gupta Founder & CEO at Lawyered   Making Legal

## Exposer sessions to 1st and 3rd semester students

SL NO	Video Title	Video Theme	Speaker Name Speaker Designation
15	Importance of IPR and Managing Intellectual Property at the Early Stage of Start-up	Startup	Vivek Dahiya Intellectual Property & Innovation Strategist   Mentor   Innovator   Strategy & Change Advisor
16	Storytelling as an Effective Communication Tool for Innovators and Startup	Startup	Mr. Nishant Sharma VP@EntIISc   IISc   IIT Delhi   Storyteller   NPCIL   Ex-HURL
17	Preparing financial plan for the Startup - Seedfund Raising Plan	Financial Plan	Harish Menon Co-Founder - House of Alpha   Founder & CEO - H-Zone Capital   Managing Partner - Scale Up Financial   Co-Founder - Dreamsredeveloped   Head of Investments - H-Zone Investment Ventures
18	Preparing pitching plan and checklist for the angel and VC investment	Pitching & Investment	Ms. Moitreyee Goswami CEO at Zucate
19	Innovation Management Tools and Strategies for Early-Stage Startups	Innovation Management	Dipan Sahu Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Govt. of India
20	User Case Presentation: Journey of MIC Supported Innovators	User case Presentation	Mr. Ravi Ravariya & Mr. Harsh Nikhara RCUBE Recycling Private Limited & Novorbis Itus Pvt Ltd
21	User Case Presentation: Journey of MIC Supported Startups & MIC Funding Support with Incubation Linkage: Process, and Guideline	User case Presentation & MIC Funding Support	Dr. Pankaj Parashar & Dr. Vandana Thaku & Mr. Dipan Sahu Cutting Edge Medical Devices Pvt. Ltd. & AnV-Stat (Herbal Alginate Hemostatic Formulation & Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Govt. of India

# **BMS Innovation Centre and Entrepreneurship Park**

## **BICEP TEAM**

- **President** - Dr.Sanjay H A
- **Dean Innovation & Entrepreneurship** - Dr. Seema Singh

### **SECTION HEADS**

- **INNOVATION CENTRE** - Dr. 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**

<b>Department</b>	<b>Faculty Coordinator</b>
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 Intern :** **Mr. R Venkatesh**  
**Mr. Pranjal Tyagi**



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

**BMS** INSTITUTE OF TECHNOLOGY & MANAGEMENT  
(Autonomous Under VTU)



# BICEP

- 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



### Reach Us:

Email: [bicep@bmsit.in](mailto:bicep@bmsit.in)  
BICEP, 2nd Floor, Lab Block,  
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
- Customized Project Report

