



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

YELAHANAKA, BANGALORE-560064

(An Autonomous Institute, affiliated to VTU, Belagavi; Approved by AICTE, New Delhi;

7 Programs Accredited by NBA; NAAC Accredited with 'A' grade)



## Department of Electronics & Telecommunication Engineering(ETE) NATIONAL LEVEL DREAMS-HACK 2022

Make your ideas into reality in our...

### Innovation Platform

Flagship Event to recognise, handhold, nurture, innovative ideas of young minds and take it to prototype level

Open to students from all streams of Engineering and Science.

#### HACK - 2022

- D** • DRONES
- R** • ROBOTICS
- E** • EMBEDDED SYSTEMS
- A** • ARTIFICIAL INTELLIGENCE
- M** • MACHINE LEARNING
- S** • SENSORS



Phase 1: Present your Idea- April 22 ,2022

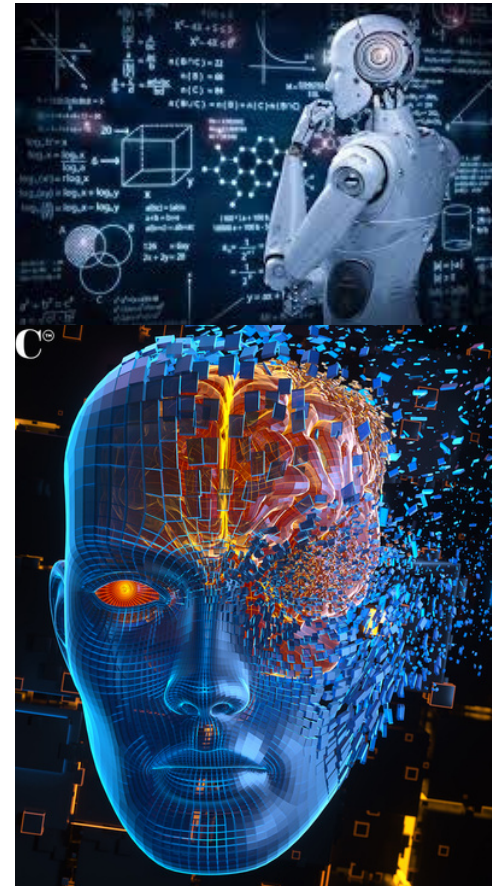
✓ Phase 2: Demonstrate your Prototype- June 29 & 30, 2022



Dept. of ETE,  
BMSIT&M, Yelahanka,  
Bengaluru-64



Scan this QR code and fill in all the details and Mode of payment:



dreamshack.ete@bmsit.in



### About the Institute:

BMS Institute of Technology and Management was established in the year 2002 under the auspices of BMS Educational trust with the vision of establishing a premier technical institute on par with international standards, situated on Doddaballapura road in a serene and spacious campus covering about 21 acres. It is recognized by the AICTE, Government of India and is affiliated to the Visvesvaraya Technological University (VTU), Belagavi, and Karnataka, India. BMSIT&M offers eight UG, three PG programmes and Ph.D/M.Sc (Engg) in all disciplines. BMSIT&M is one of the member institutions under Melton Foundation. Melton Foundation promotes cross-cultural exchange programs among five nations namely, India, USA, Germany, China, and Chile.

### About the Event: Dreams-Hack 2022

DREAMS-HACK-2022, is an intensive, ideation, prototyping and presentation challenge on known or unknown problems or opportunities.

### About the Department:

The Department of Electronics and Telecommunication Engineering was established in the year 2003. Department has well qualified, experienced and dedicated faculty with 50% of them are doctorates. Well-equipped sophisticated laboratories with skilled technical staff are the strength of the department which helps the students in strengthening their theoretical knowledge by hands-on practical sessions.

Department practices OBE in every course to attain the course outcomes. Because of the good practices and strong student support system in place, Department has secured 24 University ranks since its inception. Department has active research center since 2016. Our students are enhancing their learning skills by adopting Project Based Learning (PBL) and Open Day event is conducted every semester providing a platform for the students to showcase their practical skills and demonstrate innovative ideas. Department has very strong alumni network through which students are benefitted. Department Placement is 100 percent.

## OBJECTIVES



To generate high value product ideas and demonstrable innovations



To foster idea-sharing, collaboration, and creativity among participants



To provide industry linkage and mentorship for prototyping and validation.

## EXPECTED OUTCOMES:



Technical artifacts which attempt to solve core Societal/Industrial problems.



Networking and learning for innovative ideas



Interdisciplinary and Multi-disciplinary solutions to problems being addressed.

## REGISTRATION

Each team needs to fill all the details in the form with registration fee of ₹. 500/- and submit the same on or before 15th March 2022.

Innovative ideas from student teams are expected to solve the real-time problems in any one of the following sectors, viz.,

### WHO CAN APPLY?

- UG and PG students of all disciplines can participate.
- Participants need to form a team with a maximum of 4 members.
- Multidisciplinary teams are encouraged.
- For the final round of evaluation, a prototype of the idea needs to be demonstrated.
- Project ideas should be relevant to the event theme.

Team Size  
2-4 members

### CRITERIA FOR SELECTION

- Relevance
- Innovation
- Feasibility
- Clear and concise presentation
- Realisability and scalability

### EVALUATION PROCESS (HYBRID MODE)

- The evaluation of project teams for DREAMS-HACK would be conducted in 2 Phases

#### Phase 1 : Evaluation of Idea Presentation:

In the first round of presentation, each team will be given 15 minutes to elucidate their ideas. Evaluation will be based on novelty and innovation.

#### Phase 2: Evaluation of the Proof of concept/prototypes - Final Round

Selected teams will be given time to incorporate suggestions given by the Experts then should give the presentation along with working prototype on 29th and 30th June 2022.

### SCAN QR CODE FOR PAYMENT



### MILESTONES



10th March 2022

Schedule will be shared on



22nd April 2022

Final Round

Last date for Registration

10th April 2022



First round of Selection

29th & 30th June 2022



**EARLY BIRD REGISTRATION BEFORE 10th MARCH 2022 is Rs.500/-**

**REGISTRATION BETWEEN 10th - 20th MARCH 2022 is Rs.650/-**



**DREAMS-HACK EVENT**

The Final event to be held on 29th and 30th June 2022.

The Final presentation should contain the prototype of the idea and PPT. Based on the jury's decision, Three projects would be awarded first, second and third place in each stream along with some consolation prizes.

**FIRST PRIZE**

Cash Prize of **Rs.50,000/-** for the team. Certificate and memento for all the members in the team and for the mentor.

**SECOND PRIZE**

Cash prize of **Rs.30,000/-** for the team. Certificate and memento for all the members in the team and for the mentor.

**THIRD PRIZE**

Cash prize of **Rs.15,000/-** for the team. Certificate and memento for all the members in the team and for the mentor.



**Consolation Prizes for the Best Presentation and Ideas**

## TECHNICAL COMMITTEE

### **Prof. Silvia Liberata Ullo**

University of Sannio, Benevento, Italy

### **Mr. Vinayaka Babu**

Managing Director, 4Semi Technology, Pvt. Ltd.,

### **Dr. Prabhakar Mishra**

Distinguished Professor, ETE

### **Mr. Sunil Kumar**

Founder and Director- Vivartan Pvt Ltd, Bangalore  
Co-founder and Director- Frenus Tech Pvt Ltd, Bangalore

### **Mr. Baskar Venugopalan**

Technologist, Consultant to Industries.

### **Mr. A.T. Kishore**

CEO, Vidhysangha Pvt Ltd., Bangalore

### **Mr. Mithilesh Jaganathan**

System Architect, Honeywell

## ADVISORY COMMITTEE

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Vice Chancellor, Visveswaraya Technological University,  
Belgavi

### **Dr. S.C. Sharma**

Director of NAAC

### **Prof. Sadagopan**

Director (President) of IIIT-Bangalore

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Vice Chancellor, Anna University

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Vice-Chancellor, Thiruvalluvar University

### **Dr. Shivakumara Palaiahnakote**

University of Malaya, Kuala Lumpur

### **Dr. Venugopal K.R**

Hon'ble Vice Chancellor, Bangalore University

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### **Dr. H. K. Govindaraju**

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## CONVENER

### **Dr. Raju Hajare**

Head, Department of Electronics and Telecommunication Engineering

## ORGANISING COMMITTEE

**Dr. Seema Singh**  
Professor and Dean (ER)

**Prof. Mallikarjuna Gowda C P**  
Associate Professor

**Prof. Siddiq Iqbal**  
Assistant Professor

**Dr. Banuprakash R**  
Assistant Professor

**Prof. Saritha I G**  
Assistant Professor

**Prof. Sowmyashree M S**  
Assistant Professor

**Dr. Raghunandan G H**  
Assistant Professor

## EVENT COORDINATORS

**Prof. Thejaswini S, Dr. Sumathi M S, Prof. Prathiba N**  
Assistant Professors

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## TECHNICAL COORDINATORS

**Mr. Prakash Kumar H N, Foreman,**  
**Mrs. Geetha N, Asst Instructor**  
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## STUDENT COORDINATORS

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