Start-up cell, MHRD IIC, BMSCE

Suma M N
Coordinator
B M S C E
Objective

• To facilitate innovation, foster entrepreneurship, start-ups by providing facility to conduct POC at institute.

• Handhold to transform POC to products towards societal needs.

• Establish an ecosystem to nurture innovation and entrepreneurship through incubation, facilitation for filing patents.

• Institutional entrepreneurial agenda includes spreading awareness among students and faculty about the importance of innovation, entrepreneurship, its role in career development as well as employability of the students.
MHRD Institution Innovation Cell of BMSCE addresses the challenge of building innovation and entrepreneurship ecosystem which has Start up cell initiated at college under TEQIP - III

- BMSCE has constituted Institution’s Innovation Councils (IIC) as per the guidelines of MHRD’s Innovation Cell and has reserved budget for its activities. IIC BMSCE has council framed to support conducting various activities related to innovation, startup and entrepreneurship development.

- In addition to IIC council formed at institute level, innovation champions shall be nominated from within the students/ faculty/ staff for each department.

- Conducts start up awareness activities such as workshops, idea competition, field visits, innovation center/startups labs visits round the year as specified by MHRD guidelines.

- Connects Startups through motivational talks about their experiences and provides internship opportunities.

- Startup week – an annual workshop will be organized to create awareness about design thinking, patent filing, ideation to productisation and to enable students with their faculty mentors to pitch in their proposal. The selected ideas are awarded SEED MONEY to take their proposals forward.

- Students are encouraged to participate in events and competitions from CII, SIH, IIDC.

- Few students have started their own companies few others are aspiring to be entrepreneurs.
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Member</th>
<th>Key Role/ Position assigned in IIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. SUMA M N</td>
<td>CHIEF COORDINATOR</td>
</tr>
<tr>
<td>2</td>
<td>Dr. VIJAYALAKSHMI.K</td>
<td>CONVENOR</td>
</tr>
<tr>
<td>3</td>
<td>Dr. VEENA HEGDE</td>
<td>INTERNSHIP COORDINATOR</td>
</tr>
<tr>
<td>4</td>
<td>Dr. SAISHA VINJAMURI</td>
<td>IPR ACTIVITY COORDINATOR</td>
</tr>
<tr>
<td>5</td>
<td>Dr. B.N.SHUBHA</td>
<td>ARIIA COORDINATOR</td>
</tr>
<tr>
<td>6</td>
<td>Dr. MADHU G</td>
<td>NIRF COORDINATOR</td>
</tr>
<tr>
<td>7</td>
<td>Dr. M .S.SUMA</td>
<td>SOCIAL MEDIA COORDINATOR and IPR Coordinator</td>
</tr>
<tr>
<td>8</td>
<td>Dr. RAJESHWARI HEGDE</td>
<td>MEMBER</td>
</tr>
<tr>
<td>9</td>
<td>Dr. K P LAKSHMI</td>
<td>MEMBER</td>
</tr>
<tr>
<td>10</td>
<td>Dr. RANGAVITTAL</td>
<td>MEMBER</td>
</tr>
<tr>
<td>11</td>
<td>Mr. SHREEKANTH N.V</td>
<td>INNOVATION ACTIVITY COORDINATOR</td>
</tr>
<tr>
<td>12</td>
<td>Mr. ABHISHEK M. APPAJI</td>
<td>STARTUP ACTIVITY COORDINATOR</td>
</tr>
</tbody>
</table>
# External Industry Experts

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Member</th>
<th>Member Type External Expert</th>
<th>Key Role/ Position assigned in IIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr.VIKRAMAN VENU</td>
<td>EXTERNAL</td>
<td>Expert from nearby INCUBATION-space Ecosytem Enablers</td>
</tr>
<tr>
<td>2</td>
<td>Mr.VIVEK SINGHAL</td>
<td>EXTERNAL</td>
<td>Expert from nearby Industry</td>
</tr>
<tr>
<td>3</td>
<td>Mr.Muralidhar Somishetty</td>
<td>EXTERNAL</td>
<td>Start up/ Entrepreneur</td>
</tr>
<tr>
<td>4</td>
<td>Mr.Bhanuchandran S</td>
<td>EXTERNAL</td>
<td>Bank/Investor</td>
</tr>
<tr>
<td>5</td>
<td>Mr.Gadhadar Reddy</td>
<td>EXTERNAL</td>
<td>Start up/ Alumni Entrepreneur</td>
</tr>
</tbody>
</table>
START UP CELL, MHRD IIC, BMSCE
STUDENT COUNCIL MEMBERS

- Archith  
  archiths.ec17@bmsce.ac.in  
  Chief coordinator

- Madhura  
  madhuraup@gmail.com  
  Innovation Coordinator

- Abhishek A P  
  abhishekap.ec17@bmsce.ac.in  
  Innovation Coordinator

- Nishal B  
  nishalb.ec17@bmsce.ac.in  
  Social media coordinator

- Dheeraj R  
  dheerajrajeshtinku@gmail.com  
  Start-up Coordinator

- Dhruv Jain  
  dhruvjain2508@gmail.com  
  Start-up Coordinator

- Avani KVH  
  avanik.te18@bmsce.ac.in  
  Internship Coordinator

- Sethastha P Kumar  
  sethastha.ec18@bmsce.ac.in  
  Internship Coordinator

- Mahima M.P  
  mahima.te18@bmsce.ac.in  
  Internship Coordinator

- MOHAMMED REHAB SAI9611550418  
  mohammed.ec17@bmsce.ac.in  
  Innovation Coordinator

- Mahek Saleem Shaikh9481050738  
  mahekshaikh.ec17@bmsce.ac.in  
  IPR Coordinator

- Apoorva G Kanthi  
  apoorvakanthi11@gmail.com  
  Internship Coordinator

- Gargi CSE  
  Entrepreneur activities
Activities 2018-19

• Start-up Conclave
• TEQIP – III Sponsored One day Workshop on Medical Technology Innovation
• TEQIP – III Sponsored workshop on “Start-ups: Skill Development & Opportunities”
• Inspirational Talk
• Workshop on “Ideation to Productization”
Facility

• Students can avail seed money - INR.25,000 to INR.50,000 for fostering their ideas.
• Space for conducting experiments
• Product development support can be obtained from propel labs
• Exposure to students through workshops, seminars and hackathon
• Start up / innovation lab visits
• POC demo day
• Connect to industry/startups
• IPR filing and documentation
Start-up cell, B M S College of Engineering

Planned activities for Quarter III- Jan to June

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan-April</td>
<td>Motivational talks/ workshop/ Hangout with startups</td>
</tr>
<tr>
<td>2</td>
<td>Feb-march</td>
<td>BMSCE internal Hackathon</td>
</tr>
<tr>
<td>3</td>
<td>Feb-march</td>
<td>Workshop – IPR/ Design Thinking/ product design</td>
</tr>
<tr>
<td>4</td>
<td>March</td>
<td>National Science day</td>
</tr>
<tr>
<td>5</td>
<td>March April</td>
<td>Visit to innovation knowledge park/ startup incubation centre</td>
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<tr>
<td>6</td>
<td>May</td>
<td>Demo day/ Project Exhibition</td>
</tr>
<tr>
<td>7</td>
<td>June</td>
<td>start-up conclave/ Hackathon - Seed funding to Best ideas/ POCs</td>
</tr>
</tbody>
</table>
Activities done

Innovation Day
15th October 2019

Celebrate 15th October 2019 as Innovation Day

“Innovation is born out of cultural excellence”
Campaigning was done by students and faculty about INNOVATION day to mark respect to our Former President Dr. APJ Kalam.
• Visit to Bio innovation lab
Motivational talk:
“Start-ups: Scopes, Awareness and Challenges”
Poster day
SIH 2020

SMART INDIA HACKATHON 2020
Software Edition & Hardware Edition

WIN PRIZES
Rs. 1,00,000/- FOR EACH PROBLEM STATEMENT

#SmartIndiaHackathon
World’s Biggest Open Innovation Model

Smart India Hackathon is a non-stop product development competition.
SIH 2020

• Biggest Hackathon and Open Innovation model, an initiative by Ministry

• Students across India compete creatively to solve problems of Ministries, Departments and Industries to give solutions Harness expertise of students from AICTE/UGC approved institutions, IITs, NITs and IISc.

• Get innovative solutions to the problems in cost effective ways

• Nationally Recognition and visibility across all premier institutions in India.
Inviting Entrepreneurial ideas from Students of all the departments of BMSCE for solving issues in the following areas:

**AREAS YOU CAN APPLY**
- Agriculture and Rural Development
- Healthcare and Biomedical Devices
- Smart Communications
- Food Processing
- Clean Water
- Renewable Energy
- Smart Vehicles
- Robotics & Drones
- Security & Surveillance
- Waste Management
- Any other Social Technological Issues

**Criteria for Selection:**
- Team of 6 students (BMSCE students only)
- Compulsorily a team should have one female candidate
- Software/Hardware innovations accepted
- Should be guided by faculty mentor
- Last date of submission of your team details is January 25th, 2020
- Need to register through Google form using the QR code

**Dates to Remember:**
- **PHASE 1:** Registration by 25th January
- **PHASE 2:** Presentation 28th January
- **PHASE 3:** Internal hackathon 3rd February

Selected teams to be funded with a seed money from college/MHRD.
You can also register yourself with the link below:
https://forms.gle/wdCWds17nCA2CKpa8

• Selected top seven ideas will be submitted to MHRD SIH2020.
• 7 teams would comprise of top 5 software teams and top 2 hardware teams.
• Second level presentation at college level will be called for funding.

Grand Opportunity For All Technology Students!
Selected Ideas for Round -2 external evaluation:

- SMART VEHICLES
- SMART COMMUNICATION
- AGRICULTURE and RURAL DEVELOPMENT
- HEALTHCARE & BIOMEDICAL DEVICES
- SECURITY & SURVEILLANCE
- SOFTWARE-MOBILE APP DEVELOPMENT
- ROBOTICS AND DRONES
- MISCELLANOUS – OTHER SOCIAL ISSUES

RESULT: Out of 6 Software teams, 5 best software teams were
Internal Hackathon

The Selected teams list with their problem statement are given below:

<table>
<thead>
<tr>
<th>Category</th>
<th>Team Name</th>
<th>Problem Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Fire MaRauders</td>
<td>Firefighting through high resistant robots.</td>
</tr>
<tr>
<td>Hardware</td>
<td>The Vulcans</td>
<td>General Epileptic Seizure Detection and Alerting speed.</td>
</tr>
<tr>
<td>Software</td>
<td>Runtime Terror</td>
<td>Voice Prescription</td>
</tr>
<tr>
<td>Software</td>
<td>Illuminati</td>
<td>Create an affordable solution through Image processing of plates of detection, Identification and monitor of vehicles.</td>
</tr>
<tr>
<td>Software</td>
<td>Envision</td>
<td>A mobile based Inventory Management system.</td>
</tr>
<tr>
<td>Software</td>
<td>The A-team</td>
<td>Portals for farmers to sell produce at a better rate.</td>
</tr>
<tr>
<td>Software</td>
<td>The Boys</td>
<td>Paperless Office</td>
</tr>
</tbody>
</table>

Wait listing teams

<table>
<thead>
<tr>
<th>Category</th>
<th>Team Name</th>
<th>Problem Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Drone Masters</td>
<td>UAV’S for disaster and real time analysis of systems</td>
</tr>
<tr>
<td>Hardware</td>
<td>Smart Simulators</td>
<td>Smart traffic monitoring and Controlling</td>
</tr>
<tr>
<td>Software</td>
<td>Vehicle Maintenance Index</td>
<td>Vehicle Maintenance Index- In Today’s world with so many cars, models in the market, it is hard to find out which car has a high maintenance cost/index that is authentic source.</td>
</tr>
</tbody>
</table>
Internal Evaluation
• Our social media links

• Instagram :
  • [https://www.instagram.com/bmsce_iic/](https://www.instagram.com/bmsce_iic/)

• Facebook :
  • [https://www.facebook.com/366697607267149/](https://www.facebook.com/366697607267149/)

• Twitter 
  • [https://twitter.com/bmsceiic/status](https://twitter.com/bmsceiic/status)