



SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, and Recognized by AICTE, New Delhi,

ISO 9001-2015 and 14001-2015 certified Institute

Accredited By NAAC with "A" Grade

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057, Karnataka, India.

Department of Computer Science & Engineering

Academic Year: 2020- 2021



Ministry of Education Innovation Cell (MIC):

Ministry of Education, Govt. of India has directed to established an 'Institute Innovation council' to implement the culture of Innovation in all Higher Education Institutions.

MIC will focus on creating complete ecosystem which will foster the culture of Innovation across all educational institutions from ideas generation to pre-incubation, incubation and graduating from the incubator as successful start-ups.

MIC will also work on designing ranking system to identify institutions in the forefront of innovation.

About IIC:

Ministry of Education's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE to implement the culture of Innovation and start-up ecosystem in higher education institutions. The primary goal of this council is to inspire, encourage and nurture the young students for different activities involved in pre-incubation, incubation and making successful startups.

Institution's Innovation Council (IIC) @SCE:

Sapthagiri College of Engineering started Institution's Innovation Council (IIC) for promoting different activities related to the innovation, IPR, startup and entrepreneurship.

IIC is established as per the guidelines of MIC. The activities of the IIC are as per the directions of the MIC.

The IIC cell conducts meetings once in fifteen days to plan the activities and review conducted activities. Due to these activities, students get chance to participate in various innovation related initiatives and competition organized by MHRD.

Students actively interact with industrialist and academicians to nurture their ideas.

IIC helps students to experiment with latest technologies to design some prototype.

Major Focus of IIC:

- To create a vibrant local innovation ecosystem
- Start-up/ entrepreneurship supporting Mechanism in HEIs
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas
- Develop better Cognitive Ability amongst Technology Students



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Functions of Institution's Innovation Council:

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

Vision:

To be recognize as the best institution in implementing the innovation activities.

Mission:

- To Conduct periodic activities to promote innovative thinking
- To Network with R & D and entrepreneur development cell
- To follow guidelines recommended by MIC.

Standard operating Procedure for IIC:

With support of Management, Principal and IQAC, IIC 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.

IIC involves in the different activities of R&D with following SOP:

Research and Consultancy Projects-strategy:

The following SOP will be followed for Research and Consultancy Projects

- IIC will inform faculty and students regarding the project proposals and consultancy after the call from funding agencies.
- Research project /Research proposals will be indemnified and initiated at the department level.
- The proposal drafted will be submitted to Research and Development committee for further scrutiny.
- Research and Development committee will scrutinize and will be placed before the IQAC for approval..
- After the approval the proposal will be sent to funding agency.



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Journal, Conference and Books:

The following SOP will be followed for publication of papers in Journals, Present paper in Conference and writing books

- IIC will encourage faculty and students to publish their work in Journal, present in Conference and express their ideas in Books.
- IIC will intimate the faculty and students about the journals and conferences to publish and present their papers
- Papers ready for publications will be submitted before Research and Development committee for further scrutiny.
- Research and Development committee will scrutinize and will be placed before the IQAC for approval..
- After the approval the paper will be allowed to submit for publication.

Workshop and Seminar:

The following are SOP for workshop and seminar

- IIC identifies the different domains to conduct workshops, seminars and FDPs which can enhance the knowledge.
- As per the identified requirements workshops, seminars & Faculty development programs are conducted both at the department and institution level.
- The proposal for workshops, seminars and FDPs will be done at department level and proposal will be submitted to the IQAC after the approval.
- After the approval from IQAC departments will conduct the respective events.

Student Projects (Final year academic and mini projects):

- IIC will conduct seminars, workshops in association with the other committees to bring innovative culture among student community.
- IIC helps the students to identify the domain to carry out their academic projects.
- IIC helps the departments to identify and categorize the student projects in different disciplines and encourages carrying the interdisciplinary projects.
- IIC encourages the students to complete the project and publish their work in reputed journals.



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Patents:

The following are SOP will be followed for Patents

- IIC encourages faculty and students to apply for patents.
- IIC identifies the different domains and areas wherein patents can be submitted.
- Based on these ideas faculty has to prepare documents for patents.
- Documents will be submitted to IQAC for the approval.
- After the approval from IQAC, patent can be submitted to the respective agency.

Incubation Center:

The following are SOP will be followed for Incubation Center

- Management encourages starting Incubation Center to implement innovative ideas.
- Departments have to identify the industries and make an MOU with indemnified industries to set up an incubation center.
- An industry shall start working with department by providing projects, internships and other activities for the students.

Students' Activity Points:

- As per the directions of the AICTE, students have to enroll and complete the activity points as prescribed by the AICTE.
- To gain the activity points student should enroll and do activities in listed area and prepare the report.
- IIC will help students to enroll for activity, to complete and prepare the report.

Students' participation in other events:

- IIC will inform the students about the different events like workshop, seminars and hackthons organized by SCE and other colleges.
- Students can attend these mentioned events by the permission of department.
- IIC had made it compulsory that, students in. III and IV year should attend minimum one such event.

IIC Agenda:

- IIC will conduct workshops, seminars related to Research & Development, IPR, Ecosystem, green initiatives and other key technologies in association with other committees & clubs of the college to bring innovative awareness among the students and faculty.



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Short Term Goals:

- To conduct events for Faculty and Students on innovative concepts.
- To make sure that, all final year students should publish technical paper in reputed journal related to their project work.
- Each faculty should publish minimum one paper in reputed journal every year.
- Faculty should be trained with new innovative methodologies in teaching.

Long Term Goals:

- Improvement in consultancy projects.
- To increase the number of MoUs, Industry Related Labs.
- To open startup with the help of management and in association with alumni entrepreneurs.

Constitution of IIC @SCE

