



Shreyash Pratishthan's

## Shreyash College of Engineering & Technology

Satara Parisar, Beed By-Pass Road, Aurangabad - 431 010 (M.S.)

T: +91 240 6608784 / 702, F: +91 240 6608709, E: principal@syncet.org,

Web: www.syncet.org & [www.syp.ac.in](http://www.syp.ac.in)



### *Best Practices*

#### **Best Practices 1: Launch of Institution's Innovation Council (IIC)**

##### **Objectives of the practice:**

- To conduct various Innovation, IPR and entrepreneurship-related activities prescribed by MIC in time bound 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.

##### **The Context**

The SYCET is a centre of excellence for training, imparting knowledge, and producing quality engineers in their specialized professional programme. We provide an in-depth education in engineering and advanced technology in different branches such as Computer Science & Engineering, Mechanical Engineering, Civil Engineering, Electrical Engineering, and Electronics and Computer Engineering. We encourage students to apply what they learn through projects, internships, and research. In view of benefiting the students and faculty members of our institute, The Governing body including the principal has decided to establish Institution's Innovation Council (IIC) at the SYCET on September 2021.

##### **The Practice**

Faculty members, students, and entrepreneurs have been invited to become a part of the IIC at SYCET. The IIC team has faculty members as well as student members performing their roles in accomplishing IIC activities. There are 11 faculty members,

18 student members, and 1 external member of IIC at present. From September 2021, the institute is continuously doing the activities such as IIC-driven activities, MIC-driven activities listed on the portal of IIC and also doing Self-driven activities. The faculties and students have also been encouraged to participate in the sessions organized by MoE's Innovation Cell (MIC) and other renowned institutes. The IIC team organizes various events on celebration days such as world earth day, innovation day, education day, entrepreneurs' day, Women's Day, etc. by involving faculty members, students, and staff. The IIC team encourages and trains the students to participate in innovation, IPR, and entrepreneurship activities. The innovative idea competition- 2022 and internal Hackathon have also been organized by the IIC members at SYCET and selected candidates have been approved to participate in Smart India Hackathon- 2022. The IIC team has faculty members and students from different disciplines and streams such as 1 faculty and 2 students from Computer Science & Engineering, 3 faculties and 13 students from Mechanical Engineering, 2 faculties and 2 students from Civil Engineering, 1 faculty and 1 student from Electrical Engineering, and 1 faculty from Electronics and Telecommunication Engineering, and 2 faculties from Management studies, and 1 faculty from Engineering Science Department. However, diversity is maintained by the IIC at the institute thereby faculty members and students from all the departments and disciplines can be benefitted from the activities organized by the institute.

#### **A. Brief mention of key functionaries at the IIC Institute**

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Member Type (Teaching/ Nonteaching / External Expert)</b>	<b>Key Role/ Position assigned in IIC</b>
1	Dr. Hulas Raj Tonday	Teaching Staff	President
2	Dr. Masarrat Sultana	Teaching Staff	Vice-President
3	Dr. D. Venkata Ramana	Teaching Staff	Convener
4	Prof Anil Palve	Teaching Staff	Internship Activity Coordinator
5	Prof. Ganesh Wayal	Teaching Staff	Starup Activity Coordinator
6	Dr. Hulas Raj Tonday	Teaching Staff	Innovation Activity

7	Prof. Sakharam A Shimple	Teaching Staff	IPR Activity Coordinator
8	Prof. Vijay H Nimbhore	Teaching Staff	Social Media
9	Prof. Saad Siddiqui	Teaching Staff	ARIIA Coordinator
10	Prof. Aamer N sheikh	Teaching Staff	NIRF Coordinator
11	Dr. H A Khawal	Teaching Staff	Member
12	Mr. Kerron Vaishnav	External Expert (entrepreneur)	Member

- President: To call meeting of all the faculty members and student members; to prepare quarterly plan for conducting IIC activities; upload activity reports to the IIC portal.
- Vice President: to coordinate with IIC president, to organize celebration activities and prepare reports.
- Convenor: To coordinate with faculty members and student members for effectuating the quarterly plans.
- Coordinators: faculty members and student members have been assigned different roles of activity coordinators. They have been instructed to accomplish different tasks related to their activities.

### **Evidence of Success**

SYCET has well-qualified and experienced faculty members and talented students who are working towards promoting the innovation ecosystem. One faculty of the institute published and granted 1 patent and one faculty filed 1 patent. Several faculty members have published research papers in different field of research. 1 faculty got award for best paper presentation in a conference. One of the team of students won the first price in Innovative idea competition-2022. One of the team of students selected for KPIT Sparkle Innovative idea competition. One group of students (Ms. Mansi Kulkarni, Mr. Shubham R. Jadhav) have developed a solar-operated multipurpose household device. One group of students (Mr. Sudarshan Chaudhari, Mr. Yash Deore, Mr. Rutvik Pawar, Mr. Tushar Temkar) have developed an engine-operated onion harvester machine, which is very useful for farmers of nearby villages. Faculty members of SYCET always encourages students to work towards the innovations and start-ups and establish their own enterprises.

**There are following students who have set-up business:**

Sr. No.	Name of Business/ Start-up	Name of Students	Sector/area
1	AASARA Enterprises	Shubham Pawar	Service
2	Jadhav Solar Systems	Shubham R. Jadhav	Service and Installation
3	B. S Cube Engineers	Bhagwat Suresh Chitte	Construction materials
4	R. K. Industries	Rohan Kulkarni	Manufacturing
5	Suryoday Solar Pvt.Ltd Aurangabad	Ajinkya Mitkar	Service and Installation

**Participation of IIC-institute in various programs of Central and Stage Govt.  
Highlighting specially for the schemes or programs**

- ARIIA – participation and Rank

SYCET is actively participating in ARIIA from last three academic years. Prof. Saad Siddiqui, MBA Department is the ARIIA coordinator of the institute.

- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation

SYCET is working for implementation of National Innovation and Startup Policy 2019 (NISP). The institute has developed strategies for Promoting Innovation & Entrepreneurship. institute is creating innovation pipeline and pathways for entrepreneurs and many more policies.

- Smart India Hackathon etc.

The innovative idea competition- 2022 and internal Hackathon have also been organized by the IIC members at SYCET and selected candidates have been approved to participate in Smart India Hackathon- 2022. There were 30 groups of students have participated in internal Hackathon from which 12 groups have been shortlisted and approved to participate in Smart India Hackathon- 2022. There were 2 groups of students who have also participated in MSME Idea Hackathon- 2022 organized by Ministry of MSME, Govt. of India.

**Major Focus**

- To create a vibrant local innovation ecosystem.
- Start-up supporting mechanism in the Institute.
- 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 among students.

### **Highlight Achievements (Narrative/Graphical/tabular representation)**

- Number and Different types of I&E and IPR activities Conducted= 6
- No. of student's & faculty ideas generated= 13
- No. of student's & faculty Innovation/prototypes developed= 2
- No. of IPs generated, published and granted = 1
- No. of Student & Faculty Start-ups/Ventures established = 05
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship on the campus= 85000 (Rupees)
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups, and IPR = 25000 (Rupees)

### **Key Outcomes:**

- Conducted various activities such as poster competition, innovative idea competition, essay writing competition, and model making competition.
- Organized periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and researchers.
- Network with peers and national entrepreneurship development organizations MSME development center, IGTR.
- Organized internal Smart India Hackathons, idea competition, mini-challenges.
- Encouraged students to participate IPR and entrepreneur activities.
- Organized activities on celebration days such as entrepreneur's day, national technology day, women's day ozone day, World Earth Day, world Environment Day.

### **Problems Encountered and Resources Required:**

There are no problems confronted by institute however since it is a self-financed institution, the resources are mobilized through various sources so as to provide the concessions to the students.

## Photographs of events:

Shreeyash Pratishthan's  
**Shreeyash College of Engineering & Technology, Aurangabad**  
 Gut No. 258, Near SRPF Camp, Satara Parisar, Aurangabad - 431010  
 Tel: (240) 6608701/702/777 Fax: +91 240 6608709, Email: principal@sycet.org, Web: <http://sycet.org> & [www.sycet.ac.in](http://www.sycet.ac.in)

FORMAT NO. STC/PR19/F/01  


Photos of Event:






Dr. H. A. Tonday  
CES Head

Shreeyash Pratishthan's  
**Shreeyash College of Engineering & Technology, Aurangabad**  
 Gut No. 258, Near SRPF Camp, Satara Parisar, Aurangabad - 431010  
 Tel: (240) 6608701/702/777 Fax: +91 240 6608709, Email: principal@sycet.org, Web: <http://sycet.org> & [www.sycet.ac.in](http://www.sycet.ac.in)

FORMAT NO. STC/PR19/F/01  







Dr. H. A. Tonday  
CES Head



### CERTIFICATE OF ESTABLISHMENT

This is to certify that

**Shreeyash Pratishthan's Shreeyash, Aurangabad**

has established an Institution's Innovation Council (IC202115955) in the campus as per the norms of Innovation Cell, Ministry of Education, Govt. of India during the academic calendar year 2021-22

  
 Prof. Anil D. Sahasrabudhe  
Chairman  
AICTE

  
 Dr. Abhay Jere  
Chief Innovation Officer  
Ministry of Education's Innovation Cell

  
 Shri. Dipan Kumar Sahu  
Assistant Innovation Director  
Ministry of Education's Innovation Cell

Certificate No: 5514
Aishe Code: C-34296
Date: 07-10-2021

## Best Practices 2: Teacher Guardian Scheme

### Objectives of the practice:

Improvement of teacher-student relationship Counseling students for solving their problems and provide confidence to improve their quality of life. Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.

### The Context

The following are the issues which motivated the college to implement the mentoring system. The pressure to perform in current competitive world and to face the challenges of the society, students need mentoring support to achieve academic excellence.

The scheme aims at addressing conflicts in attitudes, habits, and knowledge of the students towards learning practices. Many other supporting methods have been introduced for better coordination of lectures, tutorials and practical classes. Advanced tutorials are arranged by the mentors in association with the respective subject teachers and experts who focus on problem-based learning of modern technology. Towards the end of semester, students work collaboratively on assignments in small groups in their practical classes.

### The Practice

The Practices that may be unique in the higher education and constraints or limitations faced during their implementation are described here. Record Sheets have been introduced as a record keeping document for the students under the mentors for monitoring and analysis of the practice on regular basis.

Batches of 15 to 20 students are allotted to a mentor. Each Teacher-Guardian maintains the record sheets of allotted students. Teacher-Guardian has direct communication with the Class Representatives (CR).

The Teacher-Guardian meet the students associated with them once in a fortnight, The Parents/Guardians of poor attendee/performance students are called to meet the mentors and corrective and preventive measures are implemented for further improvement.

The Teacher-Guardians take initiative to arrange remedial and tutorial classes for slow learners. Each Teacher-Guardian maintains the entire student Information, which is examined by the HOD and others concerned when necessary.

During feedback given by the students Teacher-Guardians take active initiative to arrange the same. Teacher-Guardian meets with each group during the semester to discuss academic and non-academic issues.



- The issues include:
- Good and bad study habits
- Study planning and techniques
- How to make the most of lectures and practical classes useful
- Distractions if any and how to cope with them
- What to do when things go wrong
- Examination preparation Health issues, etc.

The meetings also provide the students with a forum for discussing their own experiences and ideas, fostering networking and mutual support within the class. In addition, Teacher-Guardians are available even after the college hours, so that students could consult them individually regarding exigencies they might encounter. Such consultations remain confidential on case basis.

The Institute regularly arranges mentorship awareness program, mainly for newly recruited faculty members.

### **Evidence of Success**

- Evidence of success in performance against targets and benchmarks and Review of results given below
- Student's attendance had improved after counseling by the mentors.
- The direct communications between mentor and students have nurtured the teacher-student relationship.
- Academic performances of the students have improved.
- Participation in extra-curricular activities has been enhanced.
- Students become more disciplined compared to their initial sessions.
- During last few years, the Mentors have taken active initiatives and have prohibited ragging completely in the campus.

### **Problems Encountered and Resources Required**

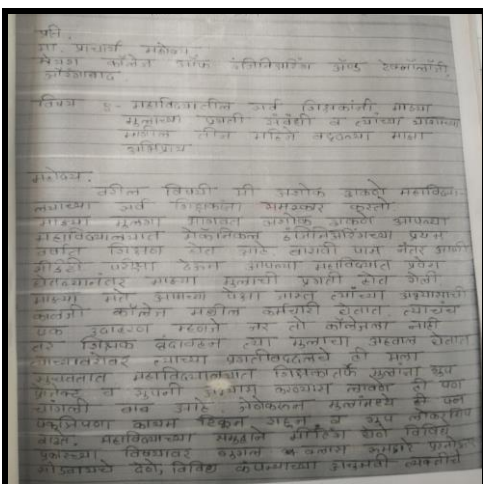
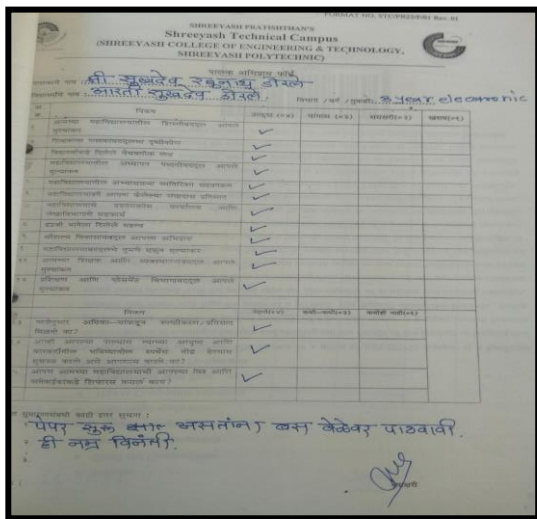
There are some problems identified and resources provided to implement the practice. These are:

- The newly joined faculty members from other colleges who are not accustomed with the culture and instinct of the mentorship scheme are separately educated by the institute to get involved in the mentorship scheme in the right direction.
- Apart from regular theory and practical classes, allocating sufficient time for one-to-one student interaction through mentorship program sometimes becomes a constraint for the faculty members.
- However, the institute encourages and appreciates such activities through the annual appraisal of the faculty members.

Financial budgetary requirements have been planned to organize workshops by hiring external experts in the subject of mentorship, organizational behavior and stress management on regular basis.



Photographs of home visit and feedback of parents



मानसईन जेमिनार हेले आगा पुकळ्या गर्त  
 जेरोयले त्यांचो पुजती आनी गोर  
 अत निहाकोनी विद्याशास्त्रदेलु सातला  
 पळोनी चडश्या आर माझ्या मुलाची पुजती  
 जशा विविध संशोधनयेंत नोंदनी त्याबदल  
 महाविद्यालयाचे जी कोटी कोटी आकार मानतो  
 आपला नम  
 पालक :- ज्योतक विक्रम डाकोले  
 डीग्री :- Avdhanane  
 विद्यार्थी :- आशुतत ज्योतक डाकोले (Mech FE)



बाबिताय  
 पानाचि  
 प्रेशा कॉलेज  
 जेठगावामद  
 विषय :- मासिक (2) दोन महिन्यांत विद्यार्थी  
 बाबत आभारपत्र  
 प्रत्येक  
 मासिक 2 महिन्यांत विद्यार्थीचे खुप  
 सुकसान आले असून तरी आपल्या कॉलेजचे  
 ने सुकसान करुन काडण्याबाबती विद्यार्थीना घरी  
 सुकल्या ऑनलाईन अभ्यास येऊन त्यांचे सुकसान  
 राऊ दिले नाही आणि त्यांच्या परीक्षा पण  
 घेतल्या या सवी गोली बरदल आपल्या  
 विद्वकांचे त कॉलेजचे आभार  
 राजु जयसिंग राठोड