# SETHU INSTITUTE OF TECHNOLOGY

## PULLOOR, KARIAPATTI – 626 115

**An Autonomous Institution | Accredited with 'A' Grade by NAAC**

## Internal Quality Assurance Cell

## Targets and Achievements of 2017-2018

| Objectives | Targets | Achievements |
|---|---|---|
| **Goal 1: Excellence in Technical Education** | | |
| 1. **Faculty Excellence** | • To recruit atleast 20 faculty members with Ph.D qualification | • 33 Ph.D. holders were recruited |
| | • To encourage one third of the faculty members to complete online courses/get International Certifications | • 186 (more than 50%) faculty members successfully completed for NPTEL courses<br>• 24 faculty members enrolled for other online courses<br>• 11 Faculty members became Competent Communicators<br>• 2 faculty members became Competent Leaders<br>• 12 more faculty members became members of the Toastmaster Club. |
| | • To arrange more capacity building programs for faculty members | • Workshop on Pedagogy for OBE conducted on 13th and 14th of October 2017 and 6th and 8th of February 2018 and around 85 faculty members attended |

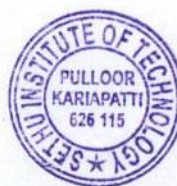| Objectives | Targets | Achievements |
|---|---|---|
| | | • 23 faculty members were trained in "Book Writing" on 7th February, 2018<br>• 27 faculty members were trained through 'Micro-teaching' sessions |
| 2. **Educational Excellence** | • To offer more cross disciplinary courses to foster collaboration among programs | • Open Elective Courses were offered |
| 3. **Infrastructure Excellence** | • To establish 4 new laboratories for the new programs | The following laboratories were established for the new programs<br><br>➢ Department of Agriculture Engg<br>   • Crop Husbandry Lab & Tractors and Farm Engineering Lab<br>➢ Department of Chemical Engineering<br>   • Heat Transfer Lab & Mass Transfer Lab<br>➢ Department of Bio-Medical Engineering<br>   • Pathology & Microbiological Lab<br>   • Signal & Image Processing Lab |
| | • To make Wi-Fi accessible in all the blocks | • Networking infrastructure for all the blocks was completely refurnished<br>• Wi-Fi Controller (CISCO) and 20 Access Points were purchased in addition to 28 Access Points already available |
| 3. **Enriching Student Experience** | • To ensure participation of all the students in extra-curricular and co-curricular activities before completing the program | • 667 students participated in Co-curricular activities<br>• 36 students participated in Extra-curricular activities in odd semester<br>• Fabric Painting Workshop was conducted on 22nd & 23rd of Feb 2018 |

| Objectives | Targets | Achievements |
| --- | --- | --- |
| | • To encourage more students to participate in National level competitions | • 27 batches registered for Smart India Hackathon 2018<br>• Two teams participated in Grand Final in Software Division and one team in Hardware Division entered the finalist round |

### Goal 2: Excellence in Research

| Objectives | Targets | Achievements |
| --- | --- | --- |
| 1. **Promoting Research Ambience and Culture** | • To encourage 5 faculty members to receive award/recognition for research | • 4 faculty members received International awards for their outstanding contribution in reviewing the Journal articles. |
| | • To attract 10 full time scholars | • 9 full time Research scholars are admitted in Ph.D. Programme |
| 2. **Enhancing Academic Research** | • To encourage 30% of the faculty members to publish papers in reputed journals | • 80 faculty members published 128 papers in reputed journals |
| | • To motivate Departments to focus on internal revenue generation | • A total of 7.4 Lakhs was generated by various Departments through activities such as Energy Audit, Testing and Calibration Services |
| 3. **Enhancing sponsored research** | • To increase the total amount for the ongoing funded projects to more than 150 Lakhs | • The College has obtained Rs. 163.4 lakhs through ongoing Projectsand the College is also taking efforts to increase the number of funded Projects. |
| 4. **Establishing Research Centres of Excellence** | • To set up a research centre in one of the thrust areas | • A Research Centre on Solar Energy was established with DST funding of Rs.40,29,300/- |

| Objectives | Targets | Achievements |
|---|---|---|
| **Goal 3: Excellence in Industry collaboration** | | |
| 1. **Producing industry-ready graduates** | • To identify the various prospective domains for student employment and train students for those domains as per the technology advancement | • Based on the input from the industries, the Training and Placement Cell has identified the following Major Domains for Employment:<br>   • Communication<br>   • Team work<br>   • Problem Solving (Analytical)<br>   • Problem Solving (Technical)<br>   • Fundamental Knowledge (Core)<br>   • Industrial Exposure/ Awareness<br>• Most of the common domains are addressed by the Placement Cell and Technical Domains are addressed by the respective Departments and the students are trained accordingly. |
| 2. **Establishing mutually beneficial relationship with industries** | • To encourage atleastone research group to establish linkage with a relevant industry | • Department of Mechanical Engineering signed MoU with Sun Pressing Pvt. Ltd. which will be beneficial for the Material Science Research Group. |
| 3. **Setting up industry supported facilities in the campus** | • Research centre establishment through funding | • Research centre is established with funding from DST |
| **Goal 4: Excellence in Institutional Effectiveness** | | |
| 1. **Promoting continuous improvement** | • Promoting overall improvement through delegation | • The various functions of the college were delegated to DEANS, Associate DEANS and Coordinators their activities are reviewed periodically |

| Objectives | Targets | Achievements |
|---|---|---|
| 2. **Serving the Society** | • To provide technical solutions to the societal needs of the adopted villages | • Special NSS Camp was conducted in Kambikudi Village and the following activities related to technical aspects were conducted<br>• Benefits of LED lights were explained<br>• Ideas for low cost construction were given to the villagers<br>• Dos and Donts of using Laptops was given to children<br>• Working of Community Radio was explained<br>• Awareness about Vermicompost was given so that use of Chemical Fertilizers will be reduced.<br>• The Staff Council of the College has decided to initiate the steps to address societal problems with technical solutions by including 'Socially relevant Project Work' in the curriculum. |
| 3. **Making a global impact in education** | • To establish MoU with International Universities | • A coordinator is nominated for National and International Relations and efforts are taken. MoU will be signed in 2018-2019. |

**IQAC Coordinator**

IQAC COORDINATOR
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR - 626 115, Kariapatti Taluk
Virudhunagar District, Tamil Nadu

**PRINCIPAL**
PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115
VIRUDHUNAGAR (DU)