



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 2018-2019

Objectives	Targets	Achievements
Goal 1: Excellence in Technical Education		
1. Faculty Excellence	<ul style="list-style-type: none"> To arrange for faculty interaction with International Universities to establish MoU 	<ul style="list-style-type: none"> Faculty members of International Relations Cell visited AMIST University, Malaysia and Multimedia University, Malaysia. MoU with these Universities were signed on 31.01.2019 & 13.03.2019, respectively
	<ul style="list-style-type: none"> To increase no of faculty with Ph.D qualification as 80 	<ul style="list-style-type: none"> Faculty with Ph.D is 95
2. Educational Excellence	<ul style="list-style-type: none"> To get NBA Accreditation for at least two programs 	<ul style="list-style-type: none"> The UG Programs of MECH and IT submitted SAR in January 2019 & Visit is expected in the Academic year 2019-2020
	<ul style="list-style-type: none"> To introduce more multidisciplinary courses 	<ul style="list-style-type: none"> Multidisciplinary Courses offered in 2018-2019 <ul style="list-style-type: none"> ✓ 15UGM951- Smart Manufacturing ✓ 15UGM952- Automation in Agriculture

Objectives	Targets	Achievements
		✓ 15UGM953- Embedded Programming
	<ul style="list-style-type: none"> To establish one Alumni chapter in a Foreign Country 	<ul style="list-style-type: none"> UAE Alumni Chapter was inaugurated on 30th November 2018
3. Infrastructure Excellence	<ul style="list-style-type: none"> To establish two laboratories for the new programs 	<ul style="list-style-type: none"> New Laboratory established <ul style="list-style-type: none"> BME <ul style="list-style-type: none"> Diagnostic and Therapeutic Laboratory Microprocessor and Microcontroller Laboratory Chemical <ul style="list-style-type: none"> Chemical Reaction Engineering Lab Computer Lab AGRI <ul style="list-style-type: none"> Plant Protection and Harvesting Equipments Laboratory
	<ul style="list-style-type: none"> To modernize few laboratories 	<ul style="list-style-type: none"> CAD Lab of Mechanical Department is modernized
	<ul style="list-style-type: none"> Equipping 10 more classrooms/Seminar Halls with LCD Projectors 	<ul style="list-style-type: none"> All classrooms of MECH & IT are equipped with LCD Projectors
	<ul style="list-style-type: none"> Constructing NRI hostel 	<ul style="list-style-type: none"> NRI hostel is constructed
4. Promoting Student Excellence	<ul style="list-style-type: none"> Imparting professional skills to all third and final year students 	<ul style="list-style-type: none"> Soft skill training classes are conducted by Training and Placement Cell (33 Training Programs were conducted)

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	<ul style="list-style-type: none"> To encourage atleast 20% of the students to undergo self learning courses like NPTEL, Course Era, MOOC, etc. 	<ul style="list-style-type: none"> NPTEL courses details 2018-2019 ODD – 305 Students 2018-2019 EVEN : 580 Students
5. Enriching Student Experience	<ul style="list-style-type: none"> To conduct more orientation programs for students to take up exams to be placed in Government sectors 	<ul style="list-style-type: none"> Two programs are conducted by Career Guidance Cell: <ul style="list-style-type: none"> ✓ UPSC and it's selection process ✓ TNPSC & Railways selection process
	<ul style="list-style-type: none"> To encourage students to do more socially relevant projects 	<ul style="list-style-type: none"> HODs are requested to encourage the students to do more socially relevant projects. Around 50% of the final year projects of 2015-2019 batch students are socially relevant projects
Goal 2: Excellence in Research		
1. Promoting Research Ambience and Culture	<ul style="list-style-type: none"> To conduct atleast four research oriented programs 	Research Programs conducted: <ul style="list-style-type: none"> Art of Proposal Writing Two days National Workshop on Theory and Practice of X-ray Diffraction and Scanning Electron Microscope Funded by SERB and CSIR, New Delhi Two Conferences were conducted
	<ul style="list-style-type: none"> To establish Innovation Center 	MHRD approved Institution Innovation Council (IIC) was established on 21st November 2018

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2. Enhancing Academic Research	<ul style="list-style-type: none"> To file at least four patents 	4 Patents Filed <ul style="list-style-type: none"> Mobil able LED flood Light Tower Orthopedic Cot Vibrate sensing ear for earless Maximum power extraction using innovative algorithm for solar photovoltaic systems
	<ul style="list-style-type: none"> To generate 9 lakhs through revenue generation 	<ul style="list-style-type: none"> Rs. 7 Lakhs generated
3. Enhancing sponsored research	<ul style="list-style-type: none"> To increase funded project amount at least by 10 percent 	<ul style="list-style-type: none"> 9 Project Proposals worth Rs. 1.96 Crores is applied to various funding agencies
	<ul style="list-style-type: none"> To encourage to get funding for socially/ industrially oriented projects 	<ul style="list-style-type: none"> Selected as one of the Institutions to participate in UNNAT BHARAT ABHIYAAN (UBA), is a flagship programme under MHRD, Govt. of India and a total funding of Rs.5,50,000/- is sanctioned
4. Establishing Research Centres of Excellence	<ul style="list-style-type: none"> To identify one/two more thrust areas of research 	New thrust areas of research <ul style="list-style-type: none"> Machine Learning Pattern Recognition IoT Microbial Fuel Cell Bio-Energy

Objectives	Targets	Achievements
Goal 3: Excellence in Industry Institute Interaction		
1. Producing industry-ready graduates	<ul style="list-style-type: none"> To adopt employability quotient analysis to check the readiness of the students for industries 	<ul style="list-style-type: none"> Readiness of students for employment is assessed through Online Test and students are trained accordingly
2. Establishing mutually beneficial relationship with industries	<ul style="list-style-type: none"> Conducting training for the employees of industries 	<ul style="list-style-type: none"> Guest Lecture on Importance of 5S in Industries on 19.01.2019 by the Department of Mechanical Engineering to the employees of Shri Thirumaal Industries, Vilangudi, Madurai
	<ul style="list-style-type: none"> To take up atleast three consultancy projects 	<ul style="list-style-type: none"> Consultancy projects by IT and Mechanical Departments <p>MECH</p> <ul style="list-style-type: none"> Facing spacers on both side which are used as spare parts in heavy vehicle like tractors. Design and fabrication of Solar air heaters for the improvement of methods and applications <p>IT</p> <ul style="list-style-type: none"> Development of Online Air Quality Monitoring with IoT Big Data Online Trading Tips Application Money Exchange Software (Ongoing Consultancy)

Objectives	Targets	Achievements
3. Setting up industry supported facilities in the campus	<ul style="list-style-type: none"> To establish atleast one industry supported Laboratory 	<ul style="list-style-type: none"> DELL EMC External Research & Academic Alliance in the field of Data Science is established
Goal 4: Excellence in Institutional Effectiveness		
1. Promoting continuous improvement	<ul style="list-style-type: none"> To develop parent app to update parents about the achievements of the Institution 	<ul style="list-style-type: none"> Department of Information Technology is Developing
	<ul style="list-style-type: none"> To adopt online assessment 	<ul style="list-style-type: none"> Department of IT conducted online Test for a theory course Online Assessment is done for placement training
	<ul style="list-style-type: none"> To reduce usage of papers in Department documentation 	<ul style="list-style-type: none"> Departments are requested to follow e-filing as much as possible
2. Serving the Society	<ul style="list-style-type: none"> To provide more services to the adopted village 	<ul style="list-style-type: none"> Swachh Bharat Summer Internship 2018 - At Arsankulam & Kalkurichi panchayat was conducted General Medical camp was conducted by Meenakshi Mission Hospital for the benefit of villagers
	<ul style="list-style-type: none"> To adopt one more village 	<ul style="list-style-type: none"> Kalkurichi and Kambikudi Panchayats consisting of 14 Villages were adopted earlier. Recently Aviyoor Panchayat, Kariapatti Perooratchi, and Thonugal Panchayat were also adopted

Objectives	Targets	Achievements
3. Making a global impact in education	<ul style="list-style-type: none"> To invite 5 Academicians/Industry persons working in an International Organization in (a foreign country) to interact with students and faculty. 	<ul style="list-style-type: none"> Six persons working in International Organizations interacted with the faculty and students for delivering guest lectures and Project evaluation
	<ul style="list-style-type: none"> To include one person from international organization in Department Advisory Board (DAB) to establish globally relevant curriculum 	<ul style="list-style-type: none"> The Departments have included persons from International Organizations in the Department Advisory Board and departments also get feedback for the Curriculum and Syllabi from International faculty



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