



MOTHER TERESA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH & SBTET, Hyderabad
Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956
SANKETIKA NAGAR, KOTHURU (V), SATHUPALLY - 507303, KHAMMAM Dist., TELANGANA
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INTERNAL ACADEMIC AUDIT

Department Name : Mechanical Engineering

Programme Name : B.Tech

Academic Year : 2019-20

I. PEO's, PO's and Curriculum		
S.No	Criteria	Observations
01.	PEO's and PO's attainment	Attainment calculation based on the student results is Missing
02.	Stakeholders feedback and evidence related to curriculum design	Indirect survey has to be done as per criteria -3
03.	Extent of its satisfaction with curriculum revision	Revision is satisfactory and in correlation with University structure
04.	Percentage of lab component -No. of new experiments designed -Hardware / Software developed or Societal problems solved.	Ok Yes, separation and removal of dissolved salts from hard water
05	Evidence of academic flexibility (Credits / Transitory regulations / Core or institutional electives)	Credit transfer facility incorporates
II. Faculty information and their contribution		
S.No	Criteria	Observations
01.	Teacher- student ratio	Is around 1 :19

02.	Faculty, Cadre ratio	1:2:6 (college level order due to be given)
03.	Faculty qualifications	As per AICTE norms
04.	Faculty experience & retention	Good
05	Faculty contribution in writing:books:chapters:	Nil
06	Members in Editorial boards Awards/Rewards received :	One
07	Faculty in professional organizations And faculty contribution:	Yes
08	Industry collaborate projects	Nil
09	Faculty as resource person in workshops/ training activities	Yes
10	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	Nil 02 02 Nil 02
11	List of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process.	Yes
12	Faculty interaction with outside world (BOSn{BA/Examiner for PhD evaluation / selection committee / Academic auditing /Chief guest /etc.)	Yes
III. Teaching-Learning Process and Evaluation		
S.No	Criteria	Observations
01.	Student performance indices Attendance Exams	Ok Ok

02.	Mechanism and activities for slow learners for their improvement and outcomes	Remedial Classes are conducted for the improvement
03.	Student counseling / mentoring mechanism	Is available
04.	Tutorial classes	Yes
05	Initiatives taken for innovative mini and major projects - Training for students & faculty	Yes(Flexural fatigue machine, Friction stir welding setup on milling machine with upgraded motor and computer integrated strain gauge sensors, 4 feet sheet bending machine, automobile projects fabrication facility, separation and removal of dissolved salts from hard water, compression mould with heating for composites curing and 30 T biaxial testing machine.
06	Best student projects with awards	Internally given & No external projects
07	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Random verification of evaluated answer papers and question paper during the semester. -- Innovative teaching methods presented if any -- Verification of course files	Yes Yes PPT's & Models Yes
08	Training programs conducted for students Guest lecturers: Seminar workshops:	Yes
09	MoUs with Industries for internship	Yes
10	Students feedback	Yes, Analyzed
11	Feedback follow-up action	Follow up action is taken
12	Scope for Self-learning Certificate courses Online courses	Nil Yes
13	The differential requirements of student population Male :69 Female12 Cut-off rank OC: BC: SC: ST: PH:	81 Cut – off rank: OC:23140 to 63302 – Total: 17

	Range of CGPA & % of students 10-8 CGPA:	BC:25200 to 99184 – Total: 46 ST:69726 to 94258 – Total: 7 SC:56964 to 94308 – Total: 11
	7 CGPA:	36
	6 CGPA:	50
	5 CGPA:	31
	No. & % age of failures:	0
	Success rate as per NBA guidelines:	22%
		78%
14	Placements (%): Industries / organizations:	2%
15	Higher Studies (%): Institutions:	8%
16	Activities of students in professional bodies: Awards in co-curricular activities:	Yes

IV. Research, Consultancy and Extension

S.No	Criteria	Observations
01.	Faculty publications in journals: Peer reviewed Journals: Thomson Reuters Impact factor Journals: S-index: h-index:	Journals:47 29 06 12 13
02.	Publications in conferences: - National - International	National: 02 International: 36
03.	Percentage of faculty contributing in Research publications: Books: Chapters:	32% Nil Nil

04.	PhDs – Registered Submitted: Awarded:	14 Nil One
05	PhDs guiding / guided	07
06	Funded R&D projects and consultancy Work Applied: Ongoing: Completed:	02 Nil Nil
07	Faculty intellectual property rights	Nil
08	In-house R&D grants & projects and their outcomes	Nil
09	New research facilities/ laboratory facilities provided	Flexural fatigue machine, Friction stir welding setup on milling machine with upgraded motor and computer integrated strain gauge sensors, 4 feet sheet bending machine, automobile projects fabrication facility, separation and removal of dissolved salts from hard water, compression mould with heating for composites curing and 30 T biaxial testing machine
10	MOU's with industries/ R&D/ Premier Institutes	Yes
11	Research centers of excellence established: Outcome in research centers:	Yes, TKR Centre for Research & Innovation established. Yes
12	Skill development centers established outcome:	Yes
13	Faculty involved in research and Consultancy	Ok & to be improved

V. Infrastructure and Learning Resources

S.No	Criteria	Observations
01.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories:	Yes
	ICT class rooms / e- class rooms:	Yes
	Seminar halls:	Yes
	Syndicate rooms	
	Faculty rooms	Yes

02.	Internet facilities for faculty & Students:	Yes
03.	Technical manpower support	Yes
04.	Modern / new equipment added in Laboratories	Yes
05	Details of computing facilities and Improvement	Yes
06	Dept. Newsletter / magazine	Yes
07	Department level library resources with Details	Yes

V. Infrastructure and Learning Resources

S.No	Criteria	Observations
01.	Bridge courses: Add-on courses:	Engg Mechanics & Maths courses are to be conducted for lateral students Nil
02.	Student publications: Student prizes: Scholarships: Dept. student clubs:	Very less (Needs improvement) Nil Yes Yes
03.	Details of coaching provided for GATE/GREI any other competitive exams	Yes
04.	Industrial visits and internships	Yes


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