



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

No. KITS/Acad/2020-21/Policy Document on PRR-20 Implementation for I²RE Date: 27.01.2021

- Ref:
1. No. KITS/Acad/2020-21/Policy Document on CIE: ESE PRR-20, Date: 23-12-2020
 2. No. KITS/Acad/PG/M.Tech/2021/M.tech Policy Circular, Dated 08.01.2021
 3. MoM of M. Tech Course Faculty Interaction (S&CE), Dated 18.01.2021
 4. MoM of M. Tech Course Faculty Interaction (DE), Dated 18.01.2021
 5. MoM of M. Tech Course Faculty Interaction (VLSI & ES), Dated 19.01.2021
 6. MoM of M. Tech Course Faculty Interaction (PE), Dated 19.01.2021
 7. MoM of M. Tech Course Faculty Interaction (SE), Dated 20.01.2021
 8. MoM of M. Tech Course Faculty Interaction (DC), Dated 20.01.2021
 9. MoM of M. Tech Course Faculty Interaction (DS), Dated 23.01.2021
 10. MoM of M. Tech Course Faculty Interaction (CE & SP), Dated 27.01.2021

M.Tech POLICY DOCUMENT - Imparting KSQ

Imparting Required Knowledge, Skills and Qualities (KSQ) for PG Students - I²RE in PRR-20

*If you are planning for a year, sow rice
If you are planning for a decade, plant trees
If you are planning for a lifetime, educate people*

The goal of any engineering programme is to impart the required knowledge, skills & qualities (KSQ) and facilitate students to become good engineers for industry/pursue higher education. The objective of this policy document is to ensure that knowledge, skills & values relevant to courses of M.Tech curriculum are imparted to the students.

The role of M.Tech course faculty is described with action plan. Every course (theory and laboratory) faculty is expected to facilitate students to acquire and demonstrate the required KSQ at the end of their course teaching.

The M.Tech course faculty coordinator and the HoD have critical role in motivating course faculty for full compliance in this aspect. Consistent measures are to be taken for implementation of this policy on KSQ every semester.

The HoD to submit a compliance report on implementation of **“M.Tech Policy Document - Imparting KSQ”**:

- (i) At the end of the every semester and also
- (ii) At the end of the programme to assess the impact of academic TLP.

Sl. No.	Policy Item	Action Plan	Action Taken (Documentary evidence to be attached)	Outcome at the end of course teaching	Outcome at the end of programme in terms of placements and higher education
1	Course faculty to know the PEOs of M.Tech programme offered	HoDs to convene a meeting for M.Tech course handling faculty, M.Tech Coordinator has to coordinate the event and ask every faculty to state the PEOs (a test may be conducted).			
2	Course faculty to know the POs of M.Tech programme offered	HoD to convene a meeting for M.Tech course handling faculty, M.Tech Coordinator has to coordinate the event and ask every faculty to state the Pos (a test may be conducted).			
3	Course faculty to know the PSOs of M.Tech programme offered	HoD to convene a meeting for M.Tech course handling faculty, M.Tech Coordinator has to coordinate the event and ask every faculty to state the PSOs (a test may be conducted).			
4	Course faculty to know the KSQ to be imparted through his	HoD has to convene a meeting where in the course faculty explain the KSQ to be imparted			

	course to make students suitable for core placement and higher education (Ph.D)	during the course teaching and send a copy of KSQ to Dean AA M.Tech Coordinator to coordinate the event Faculty to show all documentary evidences on imparting KSQ (a test covering items 1 to 4 shall be conducted by the HoD).			
5	Course faculty to adopt few students for course projects	HoD to convene a meeting for M.Tech course handling faculty. M.Tech Coordinator to coordinate the event to finalise the no. of students to be attached to every course faculty to guide course projects every semester			
6	Course faculty to design problem based experiments in Laboratory courses	The HoD to ensure that the lab course faculty has devised well defined problems. Every lab problem is expected to involve the essence of experiments listed for that laboratory to impart required knowledge and skills for industry. For lab record each student has to submit a report on the problem solved through a sequence of			

		lab experiments.			
7	Course faculty to design computer based simulation problems as additional assignments for courses without lab component	<p>It may not be possible to include lab component to all the industry relevant courses in the curriculum.</p> <p>To impart required K & S for the courses having no lab component, the course faculty to device content based simulations problems to impart required K & S to write relevant code using the programme specific software package. This can be given as additional assignments.</p>			
8	Course faculty for a Fair, Transparent and Accountable Assessment & Evaluation System	<p>HoD and M.Tech coordinator to ensure that the course faculty follow these guidelines towards fair, transparent and accountable Assessment & Evaluation System.</p> <p>1. Question paper should have validity and reliability, focusing on different cognitive domain learning levels (CDLL) targeting the relevant COs. The difficulty level of the question paper shall follow</p>			

		<p>BELL curve.</p> <p>2. Documentary evidence of Question paper showing cognitive domain learning levels.</p> <p>3. Grading (awarding marks) of CRPs, CPs, Assignments, course presentations, minors and MSEs to follow the BELL curve.</p> <p>4. Documentary evidence of CRPs, CPs, Assignments, course presentations, minors and MSEs grading showing BELL curve.</p>			
9	Course faculty for Academic Integrity CIE:ESE = 60:40	The course faculty to take the accountable ownership and demonstrate academic integrity for honest grading to students in all the components for 60% weightage.			
10	Course faculty for core placement	Course faculty to identify two to three industries, in Hyderabad and other metros, looking for post graduate students having knowledge and skills in domain area of his			

		<p>course.</p> <p>The M.Tech coordinator has to arrange a visit to these industries with the help of corporate training and placement office at Hyderabad. HoD, M.Tech coordinator and course faculty will have to visit these industries.</p> <p>Course faculty during the visit will explain how industry relevant knowledge and skills are being imparted to the students through integrating I²RE into course teaching. The HoD will request for industry internships and placements by handing over a letter.</p> <p>Course faculty to show all documentary evidence used in imparting industry relevant knowledge and skills relevant to those industries.</p> <p>The HoD and the M.Tech coordinator to take follow-up action for internships and also campus placement drives during 4th semester.</p>			
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11	To establish the PEOs: Course faculty for PG Placements, Higher Studies and Entrepreneurship in all the related fields of study.	The HoD, M.Tech coordinator and course faculty to make all coordinated efforts for 100% core placements and higher studies to establish the PEOs of the programme.			
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Dean Academics

To

1. All the HoDs for effective implementation and full compliance on **"M.Tech Policy Document - Imparting KSQ"**
2. All the PG course faculty for full compliance on **"M.Tech Policy Document - Imparting KSQ"**

Copy to:

1. The Secretary & Correspondent sir
2. The Principal
3. Administrative officer/Establishment section