Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Students Feedback for MTECH received during the AY 2021-2022

Department	Stakeholder	Feedback received	Action Taken
Department of Electronics and Communication Engineering	Student	➢ The students opined very good (57.13 %) about the offering of the electives in terms of their relevance to the specialization streams and experiments about the real-life applications. ➢ The students opined very good (55.08 %) about the Course's applicability to employability skill. ➢ The students opined very good (48.50 %) about the Course imparting entrepreneurial skill. ➢ The students opined very good (50.50%) for offering relevant laboratory courses to develop practical skills. ➢ The students opined very good (53.09%) that the curriculum creates social awareness on social issues. ➢ The students opined very good (54.5%) for having good courses for soft skills. ➢ The students opined very good (54.3%) for curriculum structure looks appropriate to develop the necessary skill set and impart the knowledge required for a professional.	• The number of 10 discipline elective courses has been increased. Students are given an option to choose courses from each area of specialization. • The content of the majority of courses have been revised and are associated with the industry needs. • Every course has been mapped for employability, entrepreneurship or skill development with a change in content. • As there was scope for improvement, the number of courses relevant to specialization streams significantly increased. • E-Library resources have been integrated with all courses, so that students can access them anytime, anywhere. • 9 new courses have been integrated with their respective Lab components. Also, many new Open Electives have been offered. • Credits for a few courses have been modified to suit the need of the modern industry.

As per the feedback received, New Course have been made for the AY 2021-2022 as per Annexure -I .

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Annexure – I

List of M. Tech New Courses introduced for the Academic Year 2021-2022

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE5001	Wearable Computing	3	0	0	3
2	ECE5002	MEMS and Nanotechnology	3	0	0	3
3	ECE5003	Advanced Computer Networks	3	0	0	3
4	ECE5004	Pervasive Computing	3	0	0	3
5	ECE5005	Advanced Digital System Design	3	0	0	3
6	ECE5006	Hardware Software Codesign	3	0	0	3
7	ECE5007	Embedded Real Time Operating Systems	3	0	0	3
8	ECE5008	Software for Embedded Systems	3	0	0	3
9	ECE5009	ASIC Design and Modeling	3	0	0	3
10	ECE5010	Design for Testability	3	0	0	3
11	ECE5011	CAD for VLSI	3	0	0	3
12	ECE5012	Reconfigurable Computing	3	0	0	3
13	ECE5013	VLSI Architecture	3	0	0	3
14	ECE5014	Networked Embedded Applications	3	0	0	3
15	ECE5015	Network Security	3	0	0	3
16	ECE5016	IC Fabrication Technology	3	0	0	3
17	ECE5017	Software Defined Radio	3	0	0	3
18	ECE5018	Memory Design	3	0	0	3
19	ECE6001	Embedded System Design	2	0	2	3
20	ECE6002	CMOS VLSI Design	2	0	2	3
21	ECE6003	Low Power VLSI Design	3	0	0	3
22	ECE6004	Processor Design	3	0	0	3
23	ECE6005	Embedded Intelligence	3	0	0	3
24	ECE6006	VLSI Signal Processing	3	0	0	3

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Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Faculty Feedback for MTECH received during the AY 2021-2022

Department	Stakeholder	Feedback received	Action Taken
Electronics and Communication Engineering	Faculty	➢ 73.01% of faculty rate the curriculum excellent is balanced with the requisite number of Foundation, core and elective courses ➢ 62.14% and 55.62% of faculty have opined (very good) Syllabus is sufficient to impart skills for employability and entrepreneurial skills to students. ➢ 51.27% of faculty (very good) opined the curriculum has the sufficient component of Laboratory courses to develop the practical skills in the students ➢ More than 90% of faculty think that the department has either excellent or very good environment for teaching and research.	• Inputs from faculty members were collected and deliberated and course revisions were implemented. • The application aspect of each course has been enhanced by thorough content revision. • An enhanced system has been created through which regular feedback and suggestions from faculty members about new topic is being included. • The SOE-ECE conducts the Board of Studies (BoS) meeting twice a year. Feedback was received from the faculty members on the curriculum, and new CBCS were presented and discussed.

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As per the feedback received, New Course have been introduced as per Annexure -I.

Annexure – I
List of M.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE5001	Wearable Computing	3	0	0	3
2	ECE5002	MEMS and Nanotechnology	3	0	0	3
3	ECE5003	Advanced Computer Networks	3	0	0	3
4	ECE5004	Pervasive Computing	3	0	0	3
5	ECE5005	Advanced Digital System Design	3	0	0	3
6	ECE5006	Hardware Software Codesign	3	0	0	3
7	ECE5007	Embedded Real Time Operating Systems	3	0	0	3
8	ECE5008	Software for Embedded Systems	3	0	0	3
9	ECE5009	ASIC Design and Modeling	3	0	0	3
10	ECE5010	Design for Testability	3	0	0	3
11	ECE5011	CAD for VLSI	3	0	0	3
12	ECE5012	Reconfigurable Computing	3	0	0	3
13	ECE5013	VLSI Architecture	3	0	0	3
14	ECE5014	Networked Embedded Applications	3	0	0	3
15	ECE5015	Network Security	3	0	0	3
16	ECE5016	IC Fabrication Technology	3	0	0	3
17	ECE5017	Software Defined Radio	3	0	0	3
18	ECE5018	Memory Design	3	0	0	3
19	ECE6001	Embedded System Design	2	0	2	3
20	ECE6002	CMOS VLSI Design	2	0	2	3
21	ECE6003	Low Power VLSI Design	3	0	0	3
22	ECE6004	Processor Design	3	0	0	3
23	ECE6005	Embedded Intelligence	3	0	0	3
24	ECE6006	VLSI Signal Processing	3	0	0	3

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Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Employer Feedback for MTECH received during the AY 2021-2022

Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Employer	➢ Students need to be aware of industry exposure. ➢ The recruiters from IT companies and other industries suggested that students must be more participative and work with teams more effectively.	• Invited resource persons from industries addressed the students. • The soft skill training focused more on participative games and team building also have been introduced for MTech courses. .

As per the feedback received, New Course Content Revisions have been made as per Annexure -I

Annexure – I
List of M.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C	Year of Introduction
1	ECE5001	Wearable Computing	3	0	0	3	2021-22
2	ECE5002	MEMS and Nanotechnology	3	0	0	3	2021-22
3	ECE5003	Advanced Computer Networks	3	0	0	3	2021-22
4	ECE5004	Pervasive Computing	3	0	0	3	2021-22
5	ECE5005	Advanced Digital System Design	3	0	0	3	2021-22
6	ECE5006	Hardware Software Codesign	3	0	0	3	2021-22
7	ECE5007	Embedded Real Time Operating Systems	3	0	0	3	2021-22
8	ECE5008	Software for Embedded Systems	3	0	0	3	2021-22
9	ECE5009	ASIC Design and Modeling	3	0	0	3	2021-22
10	ECE5010	Design for Testability	3	0	0	3	2021-22
11	ECE5011	CAD for VLSI	3	0	0	3	2021-22
12	ECE5012	Reconfigurable Computing	3	0	0	3	2021-22

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13	ECE5013	VLSI Architecture	3	0	0	3	2021-22
14	ECE5014	Networked Embedded Applications	3	0	0	3	2021-22
15	ECE5015	Network Security	3	0	0	3	2021-22
16	ECE5016	IC Fabrication Technology	3	0	0	3	2021-22
17	ECE5017	Software Defined Radio	3	0	0	3	2021-22
18	ECE5018	Memory Design	3	0	0	3	2021-22
19	ECE6001	Embedded System Design	2	0	2	3	2021-22
20	ECE6002	CMOS VLSI Design	2	0	2	3	2021-22
21	ECE6003	Low Power VLSI Design	3	0	0	3	2021-22
22	ECE6004	Processor Design	3	0	0	3	2021-22
23	ECE6005	Embedded Intelligence	3	0	0	3	2021-22
24	ECE6006	VLSI Signal Processing	3	0	0	3	2021-22

Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Alumni Feedback for MTECH received during the AY 2021-2022

Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Alumni	• The alumni opined very good (49.82 %) that the curriculum is balanced with the requisite number of Foundation, core and elective courses. • 28.39% of alumni opined excellent on curriculum offers enough flexibility to the students to choose the course • The majority of the students think that have opined good course curriculum fulfilling their expectations (employability skills, entrepreneurial skills) • 42.68% rate very good overall credit structure of the program. • Alumni have opined (56.96 %) that the curriculum structure looks to be appropriate to develop the necessary skill set and impart the knowledge required for a professional.	• Suggestions by the alumni were considered. They were included in the new course introduction. • The curriculum has been revised by adding corporate/industry requirements in every area of specialization. This includes projects/assignments, recent developments in every field, etc. • Many new courses have been introduced to meet the need of the industry.

As per the feedback received, NEW Courses have been introduced as per Annexure -I.

Annexure – I

List of M. Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE5001	Wearable Computing	3	0	0	3
2	ECE5002	MEMS and Nanotechnology	3	0	0	3
3	ECE5003	Advanced Computer Networks	3	0	0	3
4	ECE5004	Pervasive Computing	3	0	0	3
5	ECE5005	Advanced Digital System Design	3	0	0	3
6	ECE5006	Hardware Software Codesign	3	0	0	3

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7	ECE5007	Embedded Real Time Operating Systems	3	0	0	3
8	ECE5008	Software for Embedded Systems	3	0	0	3
9	ECE5009	ASIC Design and Modeling	3	0	0	3
10	ECE5010	Design for Testability	3	0	0	3
11	ECE5011	CAD for VLSI	3	0	0	3
12	ECE5012	Reconfigurable Computing	3	0	0	3
13	ECE5013	VLSI Architecture	3	0	0	3
14	ECE5014	Networked Embedded Applications	3	0	0	3
15	ECE5015	Network Security	3	0	0	3
16	ECE5016	IC Fabrication Technology	3	0	0	3
17	ECE5017	Software Defined Radio	3	0	0	3
18	ECE5018	Memory Design	3	0	0	3
19	ECE6001	Embedded System Design	2	0	2	3
20	ECE6002	CMOS VLSI Design	2	0	2	3
21	ECE6003	Low Power VLSI Design	3	0	0	3
22	ECE6004	Processor Design	3	0	0	3
23	ECE6005	Embedded Intelligence	3	0	0	3
24	ECE6006	VLSI Signal Processing	3	0	0	3

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