SKITM-Technical Campus
Department of Electronics and Communication Engineering
Action Plan (Road Map for Jan 20-Jun 20)

Proposed List of academic activities

Expert Lectures (Coordinator: Prof. Nilesh Dubey):

S. No.	Name of Expert	Topic	Semester	Time Frame
1.	Prof. S.K. Jain (SGSITS, Indore)	Microwave Satellite Antennas	6th	Jan-20
2.	Shri Sanjeev Kane (RRCAT, Indore)	Advancements in RRCAT	2nd, 4th 6th	Feb-20
2.	Prof. Shekhar Sharma (SGSITS, Indore)	Fundamentals of Analog Communication	4th	Feb-20
3.	Prof. Apurva Gaiwak (SGSITS, Indore)	IOT and its Applications	4th, 6th 8th	March-20
4.	Dr. A. Khairnar (MCTE, Mhow)	Military Communication	2nd, 4th, 6th, 8th	March-19

Industrial visits (Coordinator: Prof. Kavita Thakur):

S. No.	Industries/Organizations	Area of speculation	Semester	Time Frame
1.	Autosys, Indore	Automation, Instrumentation & Process Control	4th, 6th ,8th	Jan-20
2.	Scientech Technologies Pvt Ltd	Analysis And Testing Instruments	2nd, 4th ,6th	Jan-20
3.	Nivo Controls Pvt Ltd	Automation, Instrumentation & Process Control	2nd, 4th	Feb-20
4.	Doordarshan Kendra	Comm., Broadcasting TV reception	4th, 6th ,8th	Feb-20
5.	BSNL	Landline and mobile communication	2nd, 4th ,6th	Feb-20
6.	Precision Tightners Pvt. Ltd., Indore	Control Panel, Electric Control	2nd, 4th	March-20
7.	Digital Innovation Comp., Indore	Networking	4th, 6th,8th	March-20

Extra Curricular activities to be organized:

Name of Activity	Semester	Time Frame
Debate Competition (ISTE) (Coordinator: Prof. Vishal Pawar)	All Semesters	Jan-20
George Boole PCB Design competition (ISTE) (Coordinator: Prof. Anagha Chougaonkar)	All Semesters	Feb-20
Technical Report Writing Competition (ISTE)	All semester	March-20

(Coordinator: Prof. Sneha Nagar)

Competitions to be organized for all semesters:

1. Theodore Maiman Paper presentation competition (Jan-20) (ISTE) (Coordinator: Prof. Kratika Chouhan)
2. APJ Abdul Kalam Innovation award (Feb-20) (ISTE) (Coordinator: Prof. Kavita Thakur)
3. Claude Shannon Technical Quiz Competition (Feb-20) (ISTE) (Coordinator: Prof. Abhishek Rawat)
4. Project Exhibition Competition (March-20) (Coordinator: Prof. Nilesh Dubey)
5. Spoken Tutorial Certification Course (Feb20-March20) (Coordinator: Prof. Megha Motta)

Technical Training to be organized (Coordinator: Prof. Nilesh Dubey):

S. No.	Title of Workshop	Semester	Time Frame
1	Basics of PLC, SCADA and HMI (Autosys Indore)	4th, 6th	Jan-20
2	Working with measuring instruments (Co-coordinator: Prof. Kratika Chouhan)	2nd, 4th	Feb-20
3	Workshop on Arduino/IOT (Co-coordinator: Prof. Anagha Chougaonkar)	2nd, 4th, 6th, 8th	Feb-20
4	Workshop on Scilab (Co-coordinator: Prof. Kavita Thakur)	2nd, 4th, 6th	Feb-20
5	Workshop on Raspberry Pi (Co-coordinator: Prof. Sneha Nagar)	2nd, 4th, 6th, 8th	March-20
6	Workshop with recent Microcontrollers (Co-coordinator: Prof. Vishal Pawar)	2nd, 4th, 6th, 8th	March-20

Internal Faculty Development program (Coordinator: Prof. Kratika Chouhan):

S. No.	Name of the Faculty Member	Topic	Duration
1.	Prof. Anagha Chougaonkar	IOT and its Application	1 hour
2.	Dr. Amit Udawat	Recent Advances in 5G, LTE and Massive MIMO Systems	1 hour
3.	Prof. Nilesh Dubey	Aurdino Interfacing	1 hour
4.	Prof. Vishal Pawar	Recent Trends in VLSI Systems	1 hour
5.	Prof. Kavita Thakur	Applications of Micro-strip Antennas	1 hour
6.	Prof. Megha Motta	Design Development Fabrication Measurement Techniques for Next Generation Antennas	1 hour
7.	Prof. Sneha Nagar	Recent developments in Optical Communication	1 hour
8.	Prof. Kratika Chouhan	Modern Digital Communication Techniques and Applications	1 hour
9.	Prof. Abhishek Rawat	Technologies used in Recent Satellite Launch vehicles	1 hour

2

Director
Shivajirao Kadam Institute of Technology &
Management - Technical Campus, INDORE

HEAD
Department Electronics And Communication
Shivajirao Kadam Inst. of Tech. & MGMT- Technical Campus
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Action Plan for academic improvement (through-out the session):

1. Development of IOT Lab for students.
2. Conduction of Extra Classes/make-up lectures for weak students in March 2020 (2 hours per subject daily)
3. Preparation for competitive examinations/solving previous question papers during Jan-June 2020.
4. Preparations for Technical Interviews during Jan 2020-June 2020 (2 hours daily). All faculty members need to prepare 30 technical questions on the topics of expertise.
5. Registration of students for NPTEL Swayam Courses/MOOCs during Jan 2020.
6. Conduction of workshops on C++, Advance C++, Scilab, Latex, PHP, Arduino, Raspberry Pi, IoT etc. conducted by IIT Bombay spoken Tutorials followed by certification test.
7. Ranking and improvement of students based on teacher's feedback system. Result analysis for identifying weak students.
8. Performance analysis of faculties on the basis of student's feedback twice a semester.
9. Frequent participation and conductions of Faculty Development Programs.
10. Faculty enrollment for NPTEL/MOOC courses and certification (one each semester).
11. System of sending letters, notices, SMS to parents about the academic performance of weak students after MSTs conducted twice a semester.
12. System of Parents teachers meeting (PTM) once in semester.
13. Conducting extra classes and MSTs for short attendance students.
14. Module based continuous large project development.
15. 2nd, 3rd and 4th year students are encouraged to publish research papers.
16. Plan for maintaining general discipline among the students: Daily attendance report will be taken and students having short attendance and those who are not in Institute's dress code will be counseled. If required communicated to parents about such wrong doings.
17. Quality teaching in the class (study material, hand-outs, Tutorials, Assignments, Tests, University Question paper solving).
18. Readiness of Question bank to conduct CBT: In process
19. Readiness for NBA: In process
20. Plan for proper maintenance of tools and machinery in the laboratory: Maintenance in charge will visit different laboratories after each semester and once in between.
21. Plan and execution of industry tie ups and consultancy.

Dr. Amit Udawat
Head, ECE

3

Action Plan for counseling (admissions)

1. Conduction of counseling sessions to students by creating awareness and motivating them for taking admissions in Engineering in the Electronics and Communication domain.

2. Selecting schools in the local are for wide publicity and conducting sessions on importance and applications of Electronics and Communication Engineering in present scenario. Making them aware of the industries in the Electronics and Communication Engineering.

3. Using Social media for wide publicity of curricular and co-curricular activities conducted in the department.

4. Inviting Principals, Deans from schools for distributing prizes in the events conducted in the department.

5. Conducting academic activities like project competition, innovative idea competition, quizzes along with curricular and co-curricular events for students of various schools

6. Conducting laboratory and institute visits where the projects fabricated and designed by final year students can be demonstrated.

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4