

Acropolis Technical Campus
Department of Electronics and Communication Engineering
Action Plan (Road Map for July 19-Dec 19)

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	7 th	July-19
2.	Shri Sanjeev Kane (RRCAT, Indore)	Advancements in RRCAT	3 rd , 5 th , 7 th	Aug-19
2.	Prof. Shekhar Sharma (SGSITS, Indore)	Fundamentals of Digital Communication	5 th	July-19
3.	Prof. Apurva Gaiwak (SGSITS, Indore)	IOT and its Applications	3 rd , 5 th , 7 th	Aug-19
4.	Dr. A. Khairnar (MCTE, Mhow)	Military Communication	1 st , 3 rd , 5 th , 7 th	Sep-19

Industrial visits (Coordinator: Prof. Kavita Thakur):

S. No.	Industries/Organizations	Area of speculation	Semester	Time Frame
1.	Autosys, Indore	Automation, Instrumentation & Process Control	3 rd , 5 th , 7 th	July-19
2.	Sciencetech Technologies Pvt Ltd	Analysis And Testing Instruments	3 rd , 5 th	July-19
3.	Nivo Controls Pvt Ltd	Automation, Instrumentation & Process Control	3 rd , 5 th	July-19
4.	Doordarshan Kendra	Comm., Broadcasting TV reception	3 rd , 5 th , 7 th	Aug-19
5.	BSNL	Landline and mobile communication	3 rd , 5 th , 7 th	Aug-19
6.	Precision Tightners Pvt. Ltd., Indore	Control Panel, Electric Control	3 rd , 5 th	Sep-19
7.	Digital Innovation Comp., Indore	Networking	3 rd , 5 th	Sep-19

Extra Curricular activities to be organized:

Name of Activity	Semester	Time Frame
Debate Competition (ISTE) (Coordinator: Prof. Vishal Pawar)	All Semesters	Aug-19
George Boole PCB Design competition (ISTE) (Coordinator: Prof. Anagha Chougankar)	All Semesters	Aug-19
Technical Report Writing Competition (ISTE) (Coordinator: Prof. Sneha Nagar)	All semester	Sep-19

Director

Competitions to be organized for all semesters:

1. Theodore Maiman Paper presentation competition (Aug-19) (ISTE) (Coordinator: Prof. Kratika Chouhan)
2. APJ Abdul Kalam Innovation award (Sep-19) (ISTE) (Coordinator: Prof. Kavita Thakur)
3. Claude Shannon Technical Quiz Competition (Sep-19) (ISTE) (Coordinator: Prof. Abhishek Rawat)
4. Project Exhibition Competition (Oct 19) (Coordinator: Prof. Nilesh Dubey)
5. Spoken Tutorial Certification Course (Aug19-Oct 19) (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)	7 th	July-19
2	Working with measuring instruments (Co-coordinator: Prof. Kratika Chouhan)	3 rd	July-19
3	Workshop on Arduino/IOT (Co-coordinator: Prof. Anagha Chougankar)	5 th and 7 th	Aug-19
4	Workshop on Scilab (Co-coordinator: Prof. Kavita Thakur)	3 rd and 5 th	Sep-19
5	Workshop on Raspberry Pi (Co-coordinator: Prof. Sneha Nagar)	5 th and 7 th	Aug-19
6	Workshop with recent Microcontrollers (Co-coordinator: Prof. Vishal Pawar)	5 th and 7 th	Sep-19

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

S. No.	Name of the Faculty Member	Topic	Duration
1.	Prof. Anagha Chougankar	Integrated Circuits and Application	1 hour
2.	Dr. Amit Udawat	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


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 Nov 2019 (2 hours per subject daily)
3. Preparation for competitive examinations/solving previous question papers during Oct-Nov 2019.
4. Preparations for Technical Interviews during Oct-Nov 2019 (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 July 2019.
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 (List of Industries attached)


Dr. Amit Udawat
Head, ECE



Director
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3


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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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