

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES, TIRUPATI
(AUTONOMOUS)
DEPARTMENT OF ME**

CIRCULAR

Dt. 01.08.2020

Following are 6 sets of elective courses offered for B.Tech (ME) – AK-19 regulation students in various semesters.

	Professional Elective I
19APE0304	Nano Technology
19APE0305	Composite materials
19APE0306	Renewable Energy Technologies
	Professional Elective II
19APE0316	Management Science
19APE0317	Optimization Techniques
19APE0318	Introduction to CAD/CAM
	Professional Elective III
19APE0307	Refrigeration & Air Conditioning
19APE0308	Finite Element Analysis
19APE0309	Computational Fluid Dynamics
	Professional Elective IV
19APE0310	Power Plant Engineering
19APE0311	Simulation Modelling for Manufacturing Systems
19APE0312	Advanced Mechanics
	Professional Elective V (MOOC)
19APE0313	Rapid Manufacturing
19APE0314	Laser Based Manufacturing
19APE0315	Energy Conservation and Waste Heat Recovery
	Open Elective I (Inter disciplinary)
19AHSMB01	Managerial Economics and Financial Analysis
19APE0501	Artificial Intelligence
19APE0416	Sensor Networks
19AMC9902	Constitution of India
	Open Elective II (Inter disciplinary)
19APC0513	Machine Learning
19APC0216	Neural Networks & Fuzzy Logics
19AOE0101	Structural Health Monitoring
	Open Elective III (MOOC)
19APE0121	Air pollution and control
19AOE0516	R Programming
19APE0208	Electricity and Safety Measures
	Humanities Elective I
19AHE9902	Principles of Effective Public Speaking
19AHE9904	Advanced Numerical Methods
19AHE9908	Electromagnetic Theory

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	Humanities Elective II
19AHE9906	Effective Technical Communication
19AHE9901	Technical Writing
19AHSMB03	Organizational Behaviour

Students of ME can choose a subject from each set whenever they face the CBCS/Electives in their journey.

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Dt. 01.08.2020

Following are 6 sets of elective courses offered for B.Tech (ME) – AK-20 regulation students in various semesters.

	Professional Elective I
20APE0306	Renewable Energy Technologies
20APE0302	Introduction to CAD/CAM
20APE0303	Nano Technology
	Professional Elective II
20APE0311	Refrigeration & Air Conditioning
20APE0305	Composite materials
20APE0301	Automobile Engineering
	Professional Elective III
20APE0307	Alternative Fuels and Emission Control in Automotives
20APE0308	Finite Element Analysis
20APE0309	Computational Fluid Dynamics
	Professional Elective IV
20APE0310	Power Transmission in Hybrid and Electric Vehicles
20APC0323	Operations Research
20APE0312	Optimization Techniques through MATLAB
	Professional Elective V (MOOC)
20APE0313	Total Quality Management
20APE0314	Power Plant Engineering
20APE0315	Autotronics (Automobile Electronics)
	Open Elective I (Inter disciplinary)
20AOEMB02	Entrepreneurship Development
20APE0501	Artificial Intelligence
20APE0416	Sensor Networks
	Open Elective II (Inter disciplinary)
20APC0515	Operating Systems
20AOEMB03	Intellectual Property Rights
20AOE9903	Environmental Waste Management
	Open Elective III (MOOC)
20AOE9901	Research Writing Skills
20AOE0501	E Commerce
20AOE0503	Mobile App development

Students of ME can choose a subject from each set whenever they face the CBCS/Electives in their journey.

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