



Targeted skills at each exit point of the FAP

Exit Point	FAP in ECE	FAP in IT
40 (20+14+6)	Relevant theory with small electrical/ electronic/ digital circuits fabrication on PCB. Basic PC/Web tools and programming. Professional Letter writing.	Knowledge in Computer Basics including unix commands, softwares and hardwares, basic programming skills, realize the networking aspects of computers and can manage the IT infrastructure of any organization. small-scale innovative IT-Enabled electronic products, IoTs and small-embedded products. good communication skills
80 (43+25+12)	Relevant theory with circuit design and fabrication for wider applications. PC/Mobile assembling and troubleshooting.	Strong foundations in Information Technology in terms of object oriented programming, complexity analysis, operating system, computer and communication networks. manage the databases for the organizations. front-end and back-end solutions by integrating with databases. Start any digital marketing industry.
120*	Relevant Theory with SMT fabrication. RF and communication based systems design and testing. Managerial skills.	Good hands-on experience with full stack development and will be able to develop the full fledged projects of webservices. solutions for real-world problems using AI and ML tools for different data, including Images.
160*	Two specialized domain training with relevant in depth theory, planning and building big implementation projects. Entrepreneurship, Banking, etc.	Develop efficient IT solutions for real-world applications. The certification course in 4th year can be in a specialization such as (AI&ML, Cybersecurity, Data Science, etc.) based on the elective courses that specialization
192*	Research Methodology, up to date research and development status of a narrower specialization, Research paper writing skills.	
225*+2#	Research problem formulation skills in the chosen narrower specialized field and relevant software/hardware tools used in the research, research projects writing	
250*+5#	Critical Research, Reviewing the peer's research works, Sharpened experimental and Analytical skills in the chosen field of research.	
260*+12#	Reputed Journal Paper Publications, Patent Filing, Thesis Writing, Consultancy projects.	

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* Details given in table

As long as prerequisite conditions are satisfied, the students may opt more OR less credits in a given semester to choose early or later completion of the chosen exit points credit requirements.