



EXCEL ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO,CSE,MECH,ECE), NAAC with "A" and Recognised by UGC (2f & 12B)
KOMARAPALAYAM - 637303

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution:

Classification/Mapping of Course with their societal needs

Course code and name	Local needs	Regional Needs	National Needs	Global Needs
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B.Tech IT Regulation 2017

20MA103- Mathematics – I for Computer Sciences			✓	✓
20CS101-Computer Hardware and Networking		✓	✓	✓
20ENE01- Communicative English		✓	✓	✓
20PH102- Physics for Computer Sciences	✓	✓	✓	✓
20CS102- Problem Solving using Python			✓	✓
20CS103- Computer Practices Laboratory		✓	✓	✓
20MC101- Induction Programme		✓	✓	✓
20MA203- Mathematics – II for Computer Sciences			✓	✓
20IT201- Programming and Data Structures			✓	✓
20ENE02- Advanced Communicative English			✓	✓
20CH201-Chemistry for Computer Sciences	✓	✓	✓	✓
20ME203- Engineering Graphics			✓	✓
20IT202-Programming and Data Structures Laboratory			✓	✓
20ENE03 -Hindi		✓	✓	✓
20ENE04 -French			✓	✓
20ENE05 -German			✓	✓
20MC202-Interpersonal Skills		✓	✓	✓
20MA303- Discrete Mathematics & Graph theory			✓	✓
20IT301-Object Oriented Programming			✓	✓
20IT302-Computer Architecture and Organization			✓	✓



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20IT303-Operating Systems			✓	✓
20IT304- Database Management Systems			✓	✓
20EC306-Digital Logics and Microprocessor			✓	✓
20IT305- Object Oriented Programming Laboratory			✓	✓
20MC301-Environmental Sciences	✓	✓	✓	✓
20MA403 -Probability and Statistical methods			✓	✓
20IT401 -Data communication and Computer Networks			✓	✓
20IT402 -Computational Intelligence			✓	✓
20IT403 -Software Engineering			✓	✓
20IT404 -Web Technology			✓	✓
20IT405-Wireless Sensor Networks and Architecture			✓	✓
20IT406-Data communication and Computer networks laboratory			✓	✓
20MC401-Soft Skills			✓	✓
MA8551-Algebra and Number Theory			✓	✓
CS8591- Computer Networks			✓	✓
EC8691- Microprocessors and Microcontrollers		✓	✓	✓
IT8501- Web Technology		✓	✓	✓
CS8494 - Software Engineering			✓	✓
EC8681- Microprocessors and Microcontrollers Laboratory		✓	✓	✓
CS8581- Networks Laboratory		✓	✓	✓
IT8511- Web Technology Laboratory		✓	✓	✓
IT8601- Computational Intelligence			✓	✓
CS8592- Object Oriented Analysis and Design			✓	✓
IT8602- Mobile Communication			✓	✓
CS8091- Big Data Analytics			✓	✓



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CS8092-Computer Graphics and Multimedia			✓	✓
IT8001- Information Storage Management			✓	✓
CS8662- Mobile Application Development Laboratory			✓	✓
CS8582- Object Oriented Analysis and Design Laboratory			✓	✓
IT8611- Mini Project	✓	✓	✓	✓
MG8591- Principles of Management		✓	✓	✓
CS8792-Cryptography and Network Security			✓	✓
CS8791- Cloud Computing			✓	✓
IT8711- FOSS and Cloud Computing Laboratory			✓	✓
IT8761- Security Laboratory			✓	✓
IT8076- Software Testing			✓	✓
CS8077- Graph Theory and Applications			✓	✓
IT8071-Digital Signal Processing			✓	✓
CS8072-Agile Methodologies			✓	✓
IT8072-Embedded Systems		✓	✓	✓
GE8075-Intellectual Property Rights	✓	✓	✓	✓
IT8002-Web Development Frameworks			✓	✓
CS8082- Machine Learning Techniques			✓	✓
IT8003-Formal Languages and Automata Theory			✓	✓
CS8081- Internet of Things		✓	✓	✓
IT8075-Software Project Management			✓	✓
IT8074-Service Oriented Architecture			✓	✓
GE8077-Total Quality Management			✓	✓
CS8079-Human Computer Interaction			✓	✓
CS8073-C# and .Net Programming			✓	✓
CS8088-Wireless Adhoc and Sensor Networks			✓	✓
GE8072-Foundation Skills in Integrated Product Development			✓	✓
CS8071-Advanced Topics on Databases			✓	✓
GE8074-Human Rights	✓	✓	✓	✓
GE8071-Disaster Management	✓	✓	✓	✓



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CS8085- Social Network Analysis			✓	✓
Soft Computing			✓	✓
CS8086-Cyber Forensics			✓	✓
IT8073-Information Security			✓	✓
EC8093- Digital Image Processing			✓	✓
IT8004- Network Management			✓	✓
GE8076- Professional Ethics in Engineering			✓	✓
CS8080-Information Retrieval Techniques			✓	✓
CS8078-Green Computing			✓	✓
CS8084-Natural Language Processing			✓	✓
IT8077-Speech Processing			✓	✓
IT8078-Web Design and Management			✓	✓
IT8005- Electronic Commerce			✓	✓
GE8073- Fundamentals of Nano Science			✓	✓
HS8381- Interpersonal Skills/ Listening & Speaking	✓	✓	✓	✓
HS8461-Advanced Reading and Writing		✓	✓	✓
IT8811-Project Work	✓	✓	✓	✓
	Preparedby	Reviewedby	Approved By	
SIGN	<i>S. Mouna</i>	<i>N. Naveen</i>	<i>[Signature]</i>	
NAME	S. MOUNA	N. Naveen	M. M. vadivel HOD - IT, Excel Engineering Komarapalayam	

