



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
B.E SFE Regulation 2020				
20MA105 - Mathematics – I for Mechanical Sciences	✓	✓	✓	✓
20EC103 - Basics of Electrical and Electronics Engineering			✓	✓
20SF101 - Fire Engineering Fundamentals			✓	✓
20CH103 - Chemistry for Mechanical Sciences			✓	✓
20ME101 - Engineering Graphics			✓	✓
20MC101 - Induction Programme	✓	✓	✓	✓
20ENE01 - Communicative English	✓	✓	✓	✓
20ENE02 - Advanced Communicative English	✓	✓	✓	✓
20MA205 - Mathematics – II for Mechanical Sciences	✓		✓	✓
20ME201 - Engineering Mechanics			✓	✓
20PH203 - Physics for Mechanical Sciences			✓	✓
20CS201 - Problem Solving using Python			✓	✓
20SF201 - Safety Engineering Practices Laboratory	✓	✓	✓	✓
20ENE03 - Hindi	✓	✓		✓
20ENE04 - French	✓	✓		✓
20ENE05 – German	✓	✓		✓
20MA301 - Transforms and Boundary Value Problems	✓		✓	✓
20SF301 - Principles of Safety Management			✓	✓
20SF302 - Principles of Chemical Process			✓	✓
20SF303 - Manufacturing Technology and Safety Management			✓	✓
20SF304 - Safety in Electrical Systems			✓	✓
20SF305 - Fluid Mechanics and Fluid Flow Machinery			✓	✓
20SF306 - Safety Elements Drawing			✓	✓
20SF307 - Manufacturing Technology Laboratory			✓	✓
20MC302 - Interpersonal skills	✓	✓	✓	✓
20MA401 - Numerical Analysis and Statistics			✓	✓



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20SF401 - Basic concepts of Fire Engineering			✓	✓
20SF402 - Strength of Materials			✓	✓
20SF403 - Thermal Engineering			✓	✓
20SF404 - Professional Ethics and Human Values	✓	✓	✓	✓
20SF405 - Occupational Health and First Aid	✓		✓	✓
20SF406 - Thermal Engineering Laboratory			✓	✓
20SF407 - Electrical Safety Laboratory			✓	✓
20MC401 - Soft Skills	✓	✓	✓	✓
	Prepared by	Reviewed by	Approved By	
Signature	B. Suf	N. Natarajan	N. Natarajan	
Name	B. Suren	N. Natarajan	N. Natarajan	

