Government Engineering College Rajkot

List of Courses to be coundected Under Center of Excellance of Mechanical Engineering Department

Sr No	Course Name	Course Code	Topic	Total Hours	Qualification
1	Design Engineer (Mechanical)	GECRME01	Essentials for NX Designers Synchronous Modeling and Parametric Design Intermediate NX Design and Assemblies Drafting Essentials NX Sheet Metal Routing Mechanical Large Assemblies Management	184	B.E. / Diploma (Mechanical, Automobile, Production)
2	Design Engineer (Electrical)	GECRME02	Essentials for NX Designers Intermediate NX Design and Assemblies Routing Electrical PCB Exchange	104	B.E. / Diploma (Electrical, Electronics & Communication, Instrument & Control)
3	Draftman (Mechanical)	GECRME03	Essentials for NX Designers Drafting Essentials Sketching Fundamentals	80	ITI (Draftman)/ Diploma (Mechanical, Automobile, Production)
4	CAE Analyst	GECRME04	Essentials for NX Designers Advanced Simulation Process Introduction to Finite Element Analysis with NX Advanced simulation Solutions Thermal and Flow analysis	128	B.E. (Mechanical, Automobile, Production)
5	Die Designer (Mould)	GECRME05	Essentials for NX Designers Intermediate NX Design and Assemblies Mechanical Freeform Modeling Mold Wizard	160	B.E./ Diploma (Mechanical, Automobile, Production)
6	Die Designer (Prograssive)	GECRME06	Essentials for NX Designers Intermediate NX Design and Assemblies Mechanical Freeform Modeling NX Sheet Metal Progressive Die wizard	176	B.E./ Diploma (Mechanical, Automobile, Production)
7	CNC Turning Programmer	GECRME07	Basics of CNC machines NC- Numerical control programming Essentials for NX Designers NX Manufacturing Fundamentals Turning Manufacturing Process FLEXTURN-Siemens 828D	212	B.E./ Diploma (Mechanical, Automobile, Production)
8	CNC Milling Programmer	GECRME08	Basics of CNC machines NC- Numerical control programming Essentials for NX Designers NX Manufacturing Fundamentals Fixed Axis and Multi-Axis Milling FLEXMILL- Siemens 828D	220	B.E./ Diploma (Mechanical, Automobile, Production)
9	CNC Turning Operator	GECRME09	Basics of CNC machines NC- Numerical control programming FLEXTURN-Siemens 828D	124	ITI (Turner, Machinist/ Diploma (Mechanical, Automobile, Production)
10	CNC Milling Operator	GECRME10	Basics of CNC machines NC- Numerical control programming FLEXMILL- Siemens 828D	124	ITI (Turner, Machinist/ Diploma (Mechanical, Automobile, Production)
11	Application Engineer (CIM)	GECRME11	Basics of CNC machines NC- Numerical control programming Essentials for NX Designers NX Manufacturing Fundamentals Turning Manufacturing Process FLEXTURN-Siemens 828D FLEXMILL- Siemens 828D Aristo Robot 6 axis ASRS, Assembly Station, Vision Inspection sensor, AGV,CIM software	268	B.E. (Mechanical, Automobile, Production)
12	CAE Analyst (Motion Simulation)	GECRME12	Essentials for NX Designers Motion Simulation	64	B.E. (Mechanical, Automobile, Production)
13	CAE Analyst (Response Simulation)	GECRME13	Essentials for NX Designers Advanced Simulation Process Introduction to Finite Element Analysis with NX Advanced simulation Solutions NX Response Simulation	128	B.E. (Mechanical, Automobile, Production)

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Sr No	Course Name	Course Code	Topic	Total Hours	Qualification
14	CAE Analyst (Non linear)	GECRME14	Essentials for NX Designers	128	B.E. (Mechanical, Automobile, Production)
			Advanced Simulation Process		
			Introduction to Finite Element Analysis with NX		
			Advanced simulation Solutions		
			NX Nastran Advanced Non- linear		
15	CAE Analyst (Theermal & Flow)	GECRME15	Essentials for NX Designers	128	B.E. (Mechanical, Automobile, Production)
			Advanced Simulation Process		
			Introduction to Finite Element Analysis with NX		
			Thermal and Flow analysis		
			Advanced Thermal and Flow Analysis		
16	CAE Analyst (Dymanic)	GECRME16	Essentials for NX Designers	176	B.E. (Mechanical, Automobile, Production)
			Advanced Simulation Process		
			Introduction to Finite Element Analysis with NX		
			Advanced simulation Solutions		
			NX Response Simulation		
			Introduction to Dynamic Analysis with NX		
			Advanced Dynamic Analysis with NX		
			DDAM analysis with NX		