

LIST OF COURSES OFFERED IN THE COLLEGE FOR EACH PROGRAM

Academic Year 2020-2021

S. No.	Program Code	Programme Name	Course Code	Course Name	Year of Introduction
1	243	B.Tech. - Artificial Intelligence and Data Science	HS8151	Communicative English	2020
2			MA8151	Engineering Mathematics – I	
3			PH8151	Engineering Physics	
4			CY8151	Engineering Chemistry	
5			GE8151	Problem Solving and Python Programming	
6			GE8152	Engineering Graphics	
7			GE8161	Problem Solving and Python Programming Lab	
8			BS8161	Physics and Chemistry Lab	
9			HS8251	Technical English	
10			MA8252	Linear Algebra	
11			AD8251	Data Structures Design	
12			GE8291	Environmental Science and Engineering	
13			BE8255	Basic Electrical, Electronics, and Measurements Engineering	
14			AD8252	Digital Principles and Computer Organization	
15			GE8261	Engineering Practices Lab	
16			AD8261	Data Structures Design Lab	
17			HS8151	Communicative English	
18			MA8151	Engineering Mathematics – I	
19			PH8151	Engineering Physics	
20			CY8151	Engineering Chemistry	
21			GE8151	Problem Solving and Python Programming	
22			GE8152	Engineering Graphics	
23			GE8161	Problem Solving and Python Programming Laboratory	
24			BS8161	Physics and Chemistry Laboratory	
25			HS8251	Technical English	
26			MA8251	Engineering Mathematics – II	
27			PH8201	Physics For Civil Engineering	
28			BE8251	Basic Electrical and Electronics Engineering	
29			GE8291	Environmental Science and Engineering	
30			GE8292	Engineering Mechanics	
31			GE8261	Engineering Practices Laboratory	
32			CE8211	Computer Aided Building Drawing	
33			MA8351	Transforms and Partial Differential Equations	

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B.E. - Civil
Engineering (R2017)

CE8301	Strength of Materials I
CE8302	Fluid Mechanics
CE8351	Surveying
CE8391	Construction Materials
CE8393	Engineering Geology
CE8311	Construction Materials Laboratory
CE8361	Surveying Laboratory
HS8381	Interpersonal Skills / Listening and Speaking
MA8491	Numerical Methods
CE8401	Construction Techniques and Practices
CE8402	Strength of Materials II
CE8403	Applied Hydraulic Engineering
CE8404	Concrete Technology
CE8491	Soil Mechanics
CE8481	Strength of Materials Laboratory
CE8461	Hydraulic Engineering
HS8461	Advanced Reading and Writing
CE8501	Design of Reinforced Cement Concrete Elements
CE8502	Structural Analysis – I
EN8491	Water Supply Engineering
CE8591	Foundation Engineering
GE8071	Disaster Management (PE)
ORO551	Renewable Energy Sources (OE)
CE8511	Soil Mechanics on Laboratory
CE8611	Water and Waste Water Analysis Laboratory
CE8512	Survey Camp (2 weeks –During IV)
CE8601	Design of Steel Structural Elements
CE8602	Structural Analysis–II
CE8603	Irrigation Engineering
EN8591	Wastewater Engineering
CE8503	Highway Engineering
CE8005	Air Pollution and Control Engineering (PE)
CE8513	Highway Engineering Laboratory
CE8612	Irrigation and Environmental Engineering Drawing
CE8701	Estimation, Costing, and Valuation Engineering
CE8702	Railways, Airports, Docks and Harbour Engineering
CE8703	Structural Design and Drawing
EN8591	Municipal Solid Waste Management (PE)
OCS751	Introduction to C Programming (OE)
CE8711	Creative and Innovative Project (Activity Based - Subject Related)

2009



74		CE8712	Industrial Training (4 weeks During VI Semester – Summer)	
75		GE8076	Professional Ethics in Engineering (PE)	
76		CE8020	Maintenance, Repair and Rehabilitation of Structures (PE)	
77		CE8811	Project Work	
78		HS8151	Communicative English	
79		MA8151	Engineering Mathematics – I	
80		PH8151	Engineering Physics	
81		CY8151	Engineering Chemistry	
82		GE8151	Problem Solving and Python Programming	
83		GE8152	Engineering Graphics	
84		GE8161	Problem Solving and Python Programming Laboratory	
85		BS8161	Physics and Chemistry Laboratory	
86		HS8251	Technical English	
87		MA8251	Engineering Mathematics - II	
88		PH8252	Physics for Information Science	
89		BE8255	Basic Electrical, Electronics and Measurement Engineering	
90		GE8291	Environmental Science and Engineering	
91		CS8251	Programming in C	
92		GE8261	Engineering Practices Laboratory	
93		CS8261	C Programming Laboratory	
94		MA8351	Discrete Mathematics	
95		CS8351	Digital Principles and System Design	
96		CS8391	Data Structures	
97		CS8392	Object Oriented Programming	
98		EC8395	Communication Engineering	
99		CS8381	Data Structures Laboratory	
100		CS8383	Object Oriented Programming Laboratory	
101		CS8382	Digital Systems Laboratory	
102		HS8381	Interpersonal Skills/Listening & Speaking	
103		MA8402	Probability and Queueing Theory	
104		CS8491	Computer Architecture	
105		CS8492	Database Management Systems	
106		CS8451	Design and Analysis of Algorithms	
107		CS8493	Operating Systems	
108		CS8494	Software Engineering	
109	104	CS8481	Database Management Systems Laboratory	2011
110		CS8461	Operating Systems Laboratory	
111		HS8461	Advanced Reading and Writing	
112		MA8551	Algebra and Number Theory	
113		CS8591	Computer Networks	
114		EC8691	Microprocessors and Microcontrollers	

B.E. - Computer Science and Engineering (R2017)

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115		CS8501	Theory of Computation
116		CS8592	Object Oriented Analysis and Design
117		OCE551	Air Pollution and Control Engineering (OE)
118		EC8681	Microprocessors and Microcontrollers Laboratory
119		CS8582	Object Oriented Analysis and Design Laboratory
120		CS8581	Networks Laboratory
121		CS8651	Internet Programming
122		CS8691	Artificial Intelligence
123		CS8601	Mobile Computing
124		CS8602	Compiler Design
125		CS8603	Distributed Systems
126		IT8076	Software Testing (PE)
127		CS8661	Internet Programming Laboratory
128		CS8662	Mobile Application Development Laboratory
129		CS8611	Mini Project
130		HS8581	Professional Communication
131		MG8591	Principles of Management
132		CS8792	Cryptography and Network Security
133		CS8791	Cloud Computing
134		OCY751	Waste Water Treatment (OE)
135		CS8083	Multicore Architecture and Programming (PE)
136		IT8074	Service Oriented Architecture (PE)
137		CS8711	Cloud Computing Laboratory
138		IT8761	Security Laboratory
139		GE8076	Professional Ethics in Engineering (PE)
140		CS8080	Information Retrieval Techniques (PE)
141		CS8811	Project Work
142		HS8151	Communicative English
143		MA8151	Engineering Mathematics – I
144		PH8151	Engineering Physics
145		CY8151	Engineering Chemistry
146		GE8151	Problem Solving and Python Programming
147		GE8152	Engineering Graphics
148		GE8161	Problem Solving and Python Programming Laboratory
149		BS8161	Physics and Chemistry Laboratory
150		HS8251	Technical English
151		MA8251	Engineering Mathematics - II
152		PH8252	Physics for Information Science
153		BE8254	Basic Electrical and Instrumentation Engineering
154		EC8251	Circuit Analysis
155		EC8252	Electronic Devices

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B.E. - Electronics
and Communication
Engineering (R2017)



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EC8261	Circuits and Devices Laboratory
GE8261	Engineering Practices Laboratory
MA8352	Linear Algebra and Partial Differential Equations
EC8393	Fundamentals of Data Structures In C
EC8351	Electronic Circuits- I
EC8352	Signals and Systems
EC8392	Digital Electronics
EC8391	Control Systems Engineering
EC8381	Fundamentals of Data Structures in C Laboratory
EC8361	Analog and Digital Circuits Laboratory
HS8381	Interpersonal Skills/Listening & Speaking
MA8451	Probability and Random Processes
EC8452	Electronic Circuits II
EC8491	Communication Theory
EC8451	Electromagnetic Fields
EC8453	Linear Integrated Circuits
GE8291	Environmental Science and Engineering
EC8461	Circuits Design and Simulation Laboratory
EC8462	Linear Integrated Circuits Laboratory
EC8501	Digital Communication
EC8553	Discrete-Time Signal Processing
EC8552	Computer Architecture and Organization
EC8551	Communication Networks
GE8077	Total Quality Management (PE)
OCE551	Air Pollution and Control Engineering (OE)
EC8562	Digital Signal Processing Laboratory
EC8561	Communication Systems Laboratory
EC8563	Communication Networks Laboratory
EC8691	Microprocessors and Microcontrollers
EC8095	VLSI Design
EC8652	Wireless Communication
MG8591	Principles of Management
EC8651	Transmission Lines and RF Systems
EC8002	Multimedia Compression and Communication (PE)
EC8681	Microprocessors and Microcontrollers Laboratory
EC8661	VLSI Design Laboratory
EC8611	Technical Seminar
EC8701	Antennas and Microwave Engineering
EC8751	Optical Communication
EC8791	Embedded and Real Time Systems
EC8702	Ad hoc and Wireless Sensor Networks
GE8071	Disaster Management (PE)
OCY751	Waste Water Treatment (OE)

2010

199		EC8711	Embedded Laboratory	
200		EC8761	Advanced Communication Laboratory	
201		EC8094	Satellite Communication (PE)	
202		GE8076	Professional Ethics in Engineering (PE)	
203		EC8811	Project Work	
204		HS8151	Communicative English	
205		MA8151	Engineering Mathematics – I	
206		PH8151	Engineering Physics	
207		CY8151	Engineering Chemistry	
208		GE8151	Problem Solving and Python Programming	
209		GE8152	Engineering Graphics	
210		GE8161	Problem Solving and Python Programming Laboratory	
211		BS8161	Physics and Chemistry Laboratory	
212		HS8251	Technical English	
213		MA8251	Engineering Mathematics - II	
214		PH8251	Materials Science	
215		BE8253	Basic Electrical, Electronics and Instrumentation Engineering	
216		GE8291	Environmental Science and Engineering	
217		GE8292	Engineering Mechanics	
218		GE8261	Engineering Practices Laboratory	
219		BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	
220		MA8353	Transforms and Partial Differential Equations	
221		ME8391	Engineering Thermodynamics	
222		CE8394	Fluid Mechanics and Machinery	
223		ME8351	Manufacturing Technology - I	
224		EE8353	Electrical Drives and Controls	
225		ME8361	Manufacturing Technology Laboratory - I	
226		ME8381	Computer Aided Machine Drawing	
227		EE8361	Electrical Engineering Laboratory	
228		HS8381	Interpersonal Skills / Listening & Speaking	
229		MA8452	Statistics and Numerical Methods	
230		ME8492	Kinematics of Machinery	
231		ME8451	Manufacturing Technology – II	
232		ME8491	Engineering Metallurgy	
233		CE8395	Strength of Materials for Mechanical Engineers	
234	114	ME8493	Thermal Engineering- I	2009
235		ME8462	Manufacturing Technology Laboratory – II	
236		CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	
237		HS8461	Advanced Reading and Writing	
238		ME8595	Thermal Engineering- II	

B.E. - Mechanical Engineering (R2017)

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M.B.A. - Master of
Business
Administration
(R2017)

ME8593	Design of Machine Elements
ME8501	Metrology and Measurements
ME8594	Dynamics of Machines
ORO551	Renewable Energy Sources (OE)
ME8511	Kinematics and Dynamics Laboratory
ME8512	Thermal Engineering Laboratory
ME8513	Metrology and Measurements Laboratory
ME8651	Design of Transmission Systems
ME8691	Computer Aided Design and Manufacturing
ME8693	Heat and Mass Transfer
ME8692	Finite Element Analysis
ME8694	Hydraulics and Pneumatics
ME8091	Automobile Engineering (PE)
ME8681	CAD / CAM Laboratory
ME8682	Design and Fabrication Project
HS8581	Professional Communication
ME8792	Power Plant Engineering
ME8793	Process Planning and Cost Estimation
ME8791	Mechatronics
OML753	Testing of Materials (OE)
GE8077	Total Quality Management (PE)
ME8099	Robotics (PE)
ME8711	Simulation and Analysis Laboratory
ME8781	Mechatronics Laboratory
ME8712	Technical Seminar
MG8591	Principles of Management
IE8693	Production Planning and Control (PE)
ME8811	Project Work
BA5101	Economic Analysis for Business
BA5102	Principles of Management
BA5103	Accounting for Management
BA5104	Legal Aspects of Business
BA5105	Organizational Behaviour
BA5106	Statistics for Management
BA5107	Total Quality Management
BA5111	Spoken and Written Communication
BA5201	Applied Operations Research
BA5202	Business Research Methods
BA5203	Financial Management
BA5204	Human Resource Management
BA5205	Information Management
BA5206	Operations Management
BA5207	Marketing Management
BA5211	Data Analysis and Business Modelling
BA5301	International Business Management
BA5302	Strategic Management

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285		BA5008/ BA5015 (PE)	Banking and Financial Services Management / Industrial Relations and Labour Welfare		
286		BA5011 / BA5019 (PE)	Merchant Banking and Financial Services / Strategic Human Resource Management		
287		BA5012 / BA5018 (PE)	Security Analysis and Portfolio Management / Organizational Theory, Design and Development		
288		BA5022 (PE)	Consumer Behaviour		
289		BA5004 (PE)	Integrated Marketing Communication		
290		BA5006 (PE)	Service Marketing		
291		BA5311	Summer Training		
292		BA5411	Project Work		
293	418	M.E. - Construction Engineering and Management (R2017)	MA5165	Statistical Methods for Engineers	2013
294			CN5101	Modern Construction Materials	
295			CN5102	Construction Equipment	
296			CN5103	Construction Planning, Scheduling and Control	
297			CN5001	Advanced Concrete Technology (PE)	
298			CN5004	System Integration in Construction	
299			CN5201	Advanced Construction Techniques	
300			CN5202	Contract Laws and Regulations	
301			CN5203	Computer Applications in Construction Engineering and Planning	
302			CN5204	Economics and Finance Management in Construction	
303			CN5006	Construction Project Management (PE)	
304			CN5007	Construction Personnel Management (PE)	
305			CN5211	Advanced Construction Engineering and Computing Techniques Laboratory	
306			CN5212	Practical Training I (2 Weeks)	
307			CN5301	Quality Control and Assurance in Construction	
308			CN5010	Resource Management and Control in Construction (PE)	
309			CN5011	Project Safety Management (PE)	
310			CN5311	Practical Training II (2 Weeks)	
311			CN5312	Seminar	
312			CN5313	Project Work (Phase I)	
313	CN5411	Practical Training III (2 Weeks)			
314	CN5412	Project Work (Phase II)			
315		MA5156	Applied Mathematics for Engineers		
316		ED5191	Engineering Fracture Mechanics		
317		ED5151	Computer Applications in Design		
318		ED5152	Quality Concepts in Design		
319		ED5153	Advanced Finite Element Analysis		

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320	408	M.E. - Engineering Design (R2017)	ED5091	Design of Material Handling Equipments (PE)	2013
321			ED5161	CAD Laboratory	
322			ED5162	Advanced Analysis and Simulation Laboratory	
323			ED5251	Mechanisms Design and Simulation	
324			ED5252	Mechanical Behavior of Materials	
325			ED5253	Integrated Mechanical Design	
326			ED5254	Vibration Analysis and Control	
327			ED5003	Advanced Metal Forming Techniques (PE)	
328			ED5092	Advanced Mechanics of Mateirals (PE)	
329			ED5261	Vibration Laboratory	
330			ED5211	Design Project	
331			PD5091	Product Lifecycle Management	
332			ED5005	Design of Hydraulics and Pneumatics (PE)	
333			ED5078	Compsite Materials and Mechanics (PE)	
334			ED5311	Project Work Phase I	
335			ED5411	Project Work Phase II	


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LIST OF COURSES OFFERED IN THE COLLEGE FOR EACH PROGRAM

Academic Year 2019-2020

S. No.	Program Code	Programme Name	Course Code	Course Name	Year of Introduction
1	103	B.E. - Civil Engineering (R2017)	HS8151	Communicative English	
2			MA8151	Engineering Mathematics – I	
3			PH8151	Engineering Physics	
4			CY8151	Engineering Chemistry	
5			GE8151	Problem Solving and Python Programming	
6			GE8152	Engineering Graphics	
7			GE8161	Problem Solving and Python Programming Laboratory	
8			BS8161	Physics and Chemistry Laboratory	
9			HS8251	Technical English	
10			MA8251	Engineering Mathematics – II	
11			PH8201	Physics For Civil Engineering	
12			BE8251	Basic Electrical and Electronics Engineering	
13			GE8291	Environmental Science and Engineering	
14			GE8292	Engineering Mechanics	
15			GE8261	Engineering Practices Laboratory	
16			CE8211	Computer Aided Building Drawing	
17			MA8351	Transforms and Partial Differential Equations	
18			CE8301	Strength of Materials I	
19			CE8302	Fluid Mechanics	
20			CE8351	Surveying	
21			CE8391	Construction Materials	
22			CE8393	Engineering Geology	
23			CE8311	Construction Materials Laboratory	
24			CE8361	Surveying Laboratory	
25			HS8381	Interpersonal Skills / Listening and Speaking	
26			MA8491	Numerical Methods	
27			CE8401	Construction Techniques and Practices	
28			CE8402	Strength of Materials II	
29			CE8403	Applied Hydraulic Engineering	
30			CE8404	Concrete Technology	
31			CE8491	Soil Mechanics	
32			CE8481	Strength of Materials Laboratory	
33			CE8461	Hydraulic Engineering	
34			HS8461	Advanced Reading and Writing	
35			CE8501	Design of Reinforced Cement Concrete Elements	
36			CE8502	Structural Analysis – I	
37			EN8491	Water Supply Engineering	
38			CE8591	Foundation Engineering	


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B.E. - Civil
Engineering (R2013)

GE8071	Disaster Management (PE)
ORO551	Renewable Energy Sources (OE)
CE8511	Soil Mechanics on Laboratory
CE8611	Water and Waste Water Analysis Laboratory
CE8512	Survey Camp (2 weeks –During IV)
CE8601	Design of Steel Structural Elements
CE8602	Structural Analysis–II
CE8603	Irrigation Engineering
EN8591	Wastewater Engineering
CE8503	Highway Engineering
CE8005	Air Pollution and Control Engineering (PE)
CE8513	Highway Engineering Laboratory
CE8612	Irrigation and Environmental Engineering Drawing
CE6701	Structural Dynamics and Earthquake Engineering
CE6702	Prestressed Concrete Structures
CE6703	Water Resources and Irrigation Engineering
CE6704	Estimation and Quantity Surveying
CE6007	Housing, Planning and Management (PE)
EN6501	Municipal Solid Waste Management (PE)
CE6711	Computer Aided Design and Drafting Laboratory
CE6712	Design Project
MG6851	Principles of Management
CE6016	Prefabricated Structures (PE)
CE6021	Repair and Rehabilitation of Structures (PE)
CE6811	Project Work
HS8151	Communicative English
MA8151	Engineering Mathematics – I
PH8151	Engineering Physics
CY8151	Engineering Chemistry
GE8151	Problem Solving and Python Programming
GE8152	Engineering Graphics
GE8161	Problem Solving and Python Programming Laboratory
BS8161	Physics and Chemistry Laboratory
HS8251	Technical English
MA8251	Engineering Mathematics - II
PH8252	Physics for Information Science
BE8255	Basic Electrical, Electronics and Measurement Engineering
GE8291	Environmental Science and Engineering
CS8251	Programming in C
GE8261	Engineering Practices Laboratory
CS8261	C Programming Laboratory
MA8351	Discrete Mathematics
CS8351	Digital Principles and System Design

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82	104	B.E. - Computer Science and Engineering (R2017)	CS8391	Data Structures		
83			CS8392	Object Oriented Programming		
84			EC8395	Communication Engineering		
85			CS8381	Data Structures Laboratory		
86			CS8383	Object Oriented Programming Laboratory		
87			CS8382	Digital Systems Laboratory		
88			HS8381	Interpersonal Skills/Listening & Speaking		
89			MA8402	Probability and Queueing Theory		
90			CS8491	Computer Architecture		
91			CS8492	Database Management Systems		
92			CS8451	Design and Analysis of Algorithms		
93			CS8493	Operating Systems		
94			CS8494	Software Engineering		
95			CS8481	Database Management Systems Laboratory		
96			CS8461	Operating Systems Laboratory		
97			HS8461	Advanced Reading and Writing		
98			MA8551	Algebra and Number Theory		
99			CS8591	Computer Networks		
100			EC8691	Microprocessors and Microcontrollers		
101			CS8501	Theory of Computation		
102			CS8592	Object Oriented Analysis and Design		
103			OCE551	Air Pollution and Control Engineering (OE)		
104			EC8681	Microprocessors and Microcontrollers Laboratory		
105			CS8582	Object Oriented Analysis and Design Laboratory		
106			CS8581	Networks Laboratory		
107			CS8651	Internet Programming		
108			CS8691	Artificial Intelligence		
109			CS8601	Mobile Computing		
110			CS8602	Compiler Design		
111			CS8603	Distributed Systems		
112			IT8076	Software Testing (PE)		
113			CS8661	Internet Programming Laboratory		
114			CS8662	Mobile Application Development Laboratory		
115			CS8611	Mini Project		
116			HS8581	Professional Communication		
117			104	B.E. - Computer Science and Engineering (R2013)	CS6701	Cryptography and Network Security
118					CS6702	Graph Theory and Applications
119					CS6703	Grid and Cloud Computing
120					CS6704	Resource Management Techniques
121					IT6801	Service Oriented Architecture (PE)
122	CS6007	Information Retrieval (PE)				
123	CS6711	Security Laboratory				
124	CS6712	Grid and Cloud Computing Laboratory				
125	CS6801	Multi – Core Architectures and Programming				
126	CS6008	Human Computer Interaction (PE)				
127	GE6075	Professional Ethics in Engineering (PE)				

2011



128		CS6811	Project Work	
129		HS8151	Communicative English	
130		MA8151	Engineering Mathematics – I	
131		PH8151	Engineering Physics	
132		CY8151	Engineering Chemistry	
133		GE8151	Problem Solving and Python Programming	
134		GE8152	Engineering Graphics	
135		GE8161	Problem Solving and Python Programming Laboratory	
136		BS8161	Physics and Chemistry Laboratory	
137		HS8251	Technical English	
138		MA8251	Engineering Mathematics - II	
139		PH8252	Physics for Information Science	
140		BE8254	Basic Electrical and Instrumentation Engineering	
141		EC8251	Circuit Analysis	
142		EC8252	Electronic Devices	
143		EC8261	Circuits and Devices Laboratory	
144		GE8261	Engineering Practices Laboratory	
145		MA8352	Linear Algebra and Partial Differential Equations	
146		EC8393	Fundamentals of Data Structures In C	
147		EC8351	Electronic Circuits- I	
148		EC8352	Signals and Systems	
149		EC8392	Digital Electronics	
150		EC8391	Control Systems Engineering	
151		EC8381	Fundamentals of Data Structures in C Laboratory	
152		EC8361	Analog and Digital Circuits Laboratory	
153	106	HS8381	Interpersonal Skills/Listening & Speaking	
154		MA8451	Probability and Random Processes	
155		EC8452	Electronic Circuits II	
156		EC8491	Communication Theory	
157		EC8451	Electromagnetic Fields	
158		EC8453	Linear Integrated Circuits	
159		GE8291	Environmental Science and Engineering	
160		EC8461	Circuits Design and Simulation Laboratory	
161		EC8462	Linear Integrated Circuits Laboratory	2010
162		EC8501	Digital Communication	
163		EC8553	Discrete-Time Signal Processing	
164		EC8552	Computer Architecture and Organization	
165		EC8551	Communication Networks	
166		EC8073	Medical Electronics	
167		OCE551	Air Pollution and Control Engineering (OE)	
168		EC8562	Digital Signal Processing Laboratory	
169		EC8561	Communication Systems Laboratory	
170		EC8563	Communication Networks Laboratory	
171		EC8691	Microprocessors and Microcontrollers	
172		EC8095	VLSI Design	
173		EC8652	Wireless Communication	
174		MG8591	Principles of Management	

B.E. - Electronics and Communication Engineering (R2017)

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CARE COLLEGE OF ENGINEERING
 No. 27, Thayanur, Trichy-620 009.

175		EC8651	Transmission Lines and RF Systems
176		EC8002	Multimedia Compression and Communication (PE)
177		EC8681	Microprocessors and Microcontrollers Laboratory
178		EC8661	VLSI Design Laboratory
179		EC8611	Technical Seminar
180	106	EC6701	RF and Microwave Engineering
181		EC6702	Optical Communication and Networks
182		EC6703	Embedded and Real Time Systems
183		EC6004	Satellite Communication (PE)
184		EC6009	Advanced Computer Architecture (PE)
185		EC6013	Advanced Micro Processors and Micro Controllers (PE)
186		EC6711	Embedded Laboratory
187		EC6712	Optical and Microwave Laboratory
188		EC6801	Wireless Communication
189		EC6802	Wireless Networks
190		EC6018	Multimedia Compression and communication (PE)
191		GE6757	Total Quality Management (PE)
192		EC6811	Project Work
193			HS8151
194		MA8151	Engineering Mathematics – I
195		PH8151	Engineering Physics
196		CY8151	Engineering Chemistry
197		GE8151	Problem Solving and Python Programming
198		GE8152	Engineering Graphics
199		GE8161	Problem Solving and Python Programming Laboratory
200		BS8161	Physics and Chemistry Laboratory
201		HS8251	Technical English
202		MA8251	Engineering Mathematics - II
203		PH8251	Materials Science
204		BE8253	Basic Electrical, Electronics and Instrumentation Engineering
205		GE8291	Environmental Science and Engineering
206		GE8292	Engineering Mechanics
207		GE8261	Engineering Practices Laboratory
208		BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory
209		MA8353	Transforms and Partial Differential Equations
210		ME8391	Engineering Thermodynamics
211		CE8394	Fluid Mechanics and Machinery
212		ME8351	Manufacturing Technology - I
213		EE8353	Electrical Drives and Controls
214		ME8361	Manufacturing Technology Laboratory - I
215		ME8381	Computer Aided Machine Drawing
216		EE8361	Electrical Engineering Laboratory

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217	114	B.E. - Mechanical Engineering (R2017)	HS8381	Interpersonal Skills / Listening & Speaking	2009
218			MA8452	Statistics and Numerical Methods	
219			ME8492	Kinematics of Machinery	
220			ME8451	Manufacturing Technology – II	
221			ME8491	Engineering Metallurgy	
222			CE8395	Strength of Materials for Mechanical Engineers	
223			ME8493	Thermal Engineering- I	
224			ME8462	Manufacturing Technology Laboratory – II	
225			CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	
226			HS8461	Advanced Reading and Writing	
227			ME8595	Thermal Engineering- II	
228			ME8593	Design of Machine Elements	
229			ME8501	Metrology and Measurements	
230			ME8594	Dynamics of Machines	
231			ORO551	Renewable Energy Sources (OE)	
232			ME8511	Kinematics and Dynamics Laboratory	
233			ME8512	Thermal Engineering Laboratory	
234			ME8513	Metrology and Measurements Laboratory	
235			ME8651	Design of Transmission Systems	
236			ME8691	Computer Aided Design and Manufacturing	
237			ME8693	Heat and Mass Transfer	
238			ME8692	Finite Element Analysis	
239			ME8694	Hydraulics and Pneumatics	
240			ME8091	Automobile Engineering (PE)	
241	ME8681	CAD / CAM Laboratory			
242	ME8682	Design and Fabrication Project			
243	HS8581	Professional Communication			
244	114	B.E. - Mechanical Engineering (R2013)	ME6701	Power Plant Engineering	
245			ME6702	Mechatronics	
246			ME6703	Computer Integrated Manufacturing Systems	
247			GE6757	Total Quality Management	
248			ME6005	Process Planning and Cost Estimation (PE)	
249			ME6012	Maintenance Engineering (PE)	
250			ME6711	Simulation and Analysis Laboratory	
251			ME6712	Mechatronics Laboratory	
252			ME6713	Comprehension	
253			MG6863	Engineering Economics	
254			IE6605	Production Planning and Control (PE)	
255			ME6016	Advanced IC Engines (PE)	
256			ME6811	Project Work	
257					BA5101
258	BA5102	Principles of Management			
259	BA5103	Accounting for Management			
260	BA5104	Legal Aspects of Business			
261	BA5105	Organizational Behaviour			

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262	631	M.B.A. - Master of Business Administration (R2017)	BA5106	Statistics for Management	2009			
263			BA5107	Total Quality Management				
264			BA5111	Spoken and Written Communication				
265			BA5201	Applied Operations Research				
266			BA5202	Business Research Methods				
267			BA5203	Financial Management				
268			BA5204	Human Resource Management				
269			BA5205	Information Management				
270			BA5206	Operations Management				
271			BA5207	Marketing Management				
272			BA5211	Data Analysis and Business Modelling				
273			BA5301	International Business Management				
274			BA5302	Strategic Management				
275			BA5008 / BA5015 / BA5025 (PE)	Banking and Financial Services Management / Industrial Relations and Labour Welfare / Logistics Management				
276			BA5011 / BA5019 / BA5030 (PE)	Merchant Banking and Financial Services / Strategic Human Resource Management / Supply Chain Management				
277			BA5012 / BA5018 / BA5028 (PE)	Security Analysis and Portfolio Management / Organizational Theory, Design and Development / Project Management				
278			BA5022 (PE)	Consumer Behaviour				
279			BA5004 (PE)	Integrated Marketing Communication				
280			BA5006 (PE)	Service Marketing				
281			BA5311	Summer Training				
282			BA5411	Project Work				
283			418	M.E. - Construction Engineering and Management (R2017)		MA5165	Statistical Methods for Engineers	2013
284						CN5101	Modern Construction Materials	
285						CN5102	Construction Equipment	
286						CN5103	Construction Planning, Scheduling and Control	
287						CN5001	Advanced Concrete Technology (PE)	
288						CN5004	System Integration in Construction	
289	CN5201	Advanced Construction Techniques						
290	CN5202	Contract Laws and Regulations						
291	CN5203	Computer Applications in Construction Engineering and Planning						
292	CN5204	Economics and Finance Management in Construction						
293	CN5006	Construction Project Management (PE)						
294	CN5007	Construction Personnel Management (PE)						
295	CN5211	Advanced Construction Engineering and Computing Techniques Laboratory						
296	CN5212	Practical Training I (2 Weeks)						
297	CN5301	Quality Control and Assurance in Construction						



298		CN5010	Resource Management and Control in Construction (PE)	
299		CN5011	Project Safety Management (PE)	
300		CN5311	Practical Training II (2 Weeks)	
301		CN5312	Seminar	
302		CN5313	Project Work (Phase I)	
303		CN5411	Practical Training III (2 Weeks)	
304		CN5412	Project Work (Phase II)	
305	408	MA5156	Applied Mathematics for Engineers	2013
306		ED5191	Engineering Fracture Mechanics	
307		ED5151	Computer Applications in Design	
308		ED5152	Quality Concepts in Design	
309		ED5153	Advanced Finite Element Analysis	
310		ED5091	Design of Material Handling Equipments	
311		ED5161	CAD Laboratory	
312		ED5162	Advanced Analysis and Simulation Laboratory	
313		ED5251	Mechanisms Design and Simulation	
314		ED5252	Mechanical Behavior of Materials	
315		ED5253	Integrated Mechanical Design	
316		ED5254	Vibration Analysis and Control	
317		ED5003	Advanced Metal Forming Techniques (PE)	
318		ED5092	Advanced Mechanics of Materials (PE)	
319		ED5261	Vibration Laboratory	
320		ED5211	Design Project	
321		PD5091	Product Lifecycle Management	
322		ED5005	Design of Hydraulics and Pneumatics (PE)	
323		ED5078	Composite Materials and Mechanics (PE)	
324		ED5311	Project Work Phase I	
325	ED5411	Project Work Phase II		


PRINCIPAL
CARE COLLEGE OF ENGINEERING
 No. 27, Thayanur, Trichy-620 009.

LIST OF COURSES OFFERED IN THE COLLEGE FOR EACH PROGRAM Academic Year 2018-2019

S. No.	Program Code	Programme Name	Course Code	Course Name	Year of Introduction
1	103	B.E. - Civil Engineering (R2017)	HS8151	Communicative English	2009
2			MA8151	Engineering Mathematics – I	
3			PH8151	Engineering Physics	
4			CY8151	Engineering Chemistry	
5			GE8151	Problem Solving and Python Programming	
6			GE8152	Engineering Graphics	
7			GE8161	Problem Solving and Python Programming Laboratory	
8			BS8161	Physics and Chemistry Laboratory	
9			HS8251	Technical English	
10			MA8251	Engineering Mathematics – II	
11			PH8201	Physics For Civil Engineering	
12			BE8251	Basic Electrical and Electronics Engineering	
13			GE8291	Environmental Science and Engineering	
14			GE8292	Engineering Mechanics	
15			GE8261	Engineering Practices Laboratory	
16			CE8211	Computer Aided Building Drawing	
17			MA8351	Transforms and Partial Differential Equations	
18			CE8301	Strength of Materials I	
19			CE8302	Fluid Mechanics	
20			CE8351	Surveying	
21			CE8391	Construction Materials	
22			CE8393	Engineering Geology	
23			CE8311	Construction Materials Laboratory	
24			CE8361	Surveying Laboratory	
25			HS8381	Interpersonal Skills / Listening and Speaking	
26			MA8491	Numerical Methods	
27			CE8401	Construction Techniques and Practices	
28			CE8402	Strength of Materials II	
29			CE8403	Applied Hydraulic Engineering	
30			CE8404	Concrete Technology	
31			CE8491	Soil Mechanics	
32			CE8481	Strength of Materials Laboratory	
33			CE8461	Hydraulic Engineering	
34			HS8461	Advanced Reading and Writing	
35			CE6501	Structural Analysis I	
36			CE6502	Foundation Engineering	
37			CE6503	Environmental Engineering I	

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B.E. - Civil
Engineering (R2013)

CE6504	Highway Engineering
CE6505	Design of Reinforced Concrete Elements
CE6506	Construction Techniques, Equipment and Practice
GE6674	Communication and Soft skills- Laboratory Based
CE6511	Soil Mechanics Laboratory
CE6512	Survey Camp
CE6601	Design of Reinforced Concrete & Brick Masonry Structures
CE6602	Structural Analysis II
CE6603	Design of Steel Structures
CE6604	Railways, Airports and Harbour Engineering
CE6605	Environmental Engineering II
CE6002	Concrete Technologies (PE)
CE6611	Environmental Engineering Laboratory
CE6612	Concrete and Highway Engineering Laboratory
CE6701	Structural Dynamics and Earthquake Engineering
CE6702	Prestressed Concrete Structures
CE6703	Water Resources and Irrigation Engineering
CE6704	Estimation and Quantity Surveying
CE6007	Housing, Planning and Management (PE)
EN6501	Municipal Solid Waste Management (PE)
CE6711	Computer Aided Design and Drafting Laboratory
CE6712	Design Project
MG6851	Principles of Management
CE6016	Prefabricated Structures (PE)
CE6021	Repair and Rehabilitation of Structures (PE)
CE6811	Project Work
HS8151	Communicative English
MA8151	Engineering Mathematics – I
PH8151	Engineering Physics
CY8151	Engineering Chemistry
GE8151	Problem Solving and Python Programming
GE8152	Engineering Graphics
GE8161	Problem Solving and Python Programming Laboratory
BS8161	Physics and Chemistry Laboratory
HS8251	Technical English
MA8251	Engineering Mathematics - II

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74	104	B.E. - Computer Science and Engineering (R2017)	PH8252	Physics for Information Science
75			BE8255	Basic Electrical, Electronics and Measurement Engineering
76			GE8291	Environmental Science and Engineering
77			CS8251	Programming in C
78			GE8261	Engineering Practices Laboratory
79			CS8261	C Programming Laboratory
80			MA8351	Discrete Mathematics
81			CS8351	Digital Principles and System Design
82			CS8391	Data Structures
83			CS8392	Object Oriented Programming
84			EC8395	Communication Engineering
85			CS8381	Data Structures Laboratory
86			CS8383	Object Oriented Programming Laboratory
87			CS8382	Digital Systems Laboratory
88			HS8381	Interpersonal Skills/Listening & Speaking
89			MA8402	Probability and Queueing Theory
90			CS8491	Computer Architecture
91			CS8492	Database Management Systems
92			CS8451	Design and Analysis of Algorithms
93			CS8493	Operating Systems
94			CS8494	Software Engineering
95			CS8481	Database Management Systems Laboratory
96			CS8461	Operating Systems Laboratory
97			HS8461	Advanced Reading and Writing
98			104	B.E. - Computer Science and Engineering (R2013)
99	CS6501	Internet Programming		
100	CS6502	Object Oriented Analysis and Design		
101	CS6503	Theory of Computation		
102	CS6504	Computer Graphics		
103	CS6511	Case Tools Laboratory		
104	CS6512	Internet Programming Laboratory		
105	CS6513	Computer Graphics Laboratory		
106	CS6601	Distributed Systems		
107	IT6601	Mobile Computing		
108	CS6660	Compiler Design		
109	IT6502	Digital Signal Processing		
110	CS6659	Artificial Intelligence		
111	IT6004	Software Testing (PE)		
112	CS6611	Mobile Application Development Laboratory		
113	CS6612	Compiler Laboratory		
114	GE6674	Communication and Soft Skills - Laboratory Based		
115	CS6701	Cryptography and Network Security		
116	CS6702	Graph Theory and Applications		
117	CS6703	Grid and Cloud Computing		
118	CS6704	Resource Management Techniques		

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119		IT6801	Service Oriented Architecture (PE)
120		CS6007	Information Retrieval (PE)
121		CS6711	Security Laboratory
122		CS6712	Grid and Cloud Computing Laboratory
123		CS6801	Multi – Core Architectures and Programming
124		CS6008	Human Computer Interaction (PE)
125		MG6088	Software Project Management (PE)
126		CS6811	Project Work
127		HS8151	Communicative English
128		MA8151	Engineering Mathematics – I
129		PH8151	Engineering Physics
130		CY8151	Engineering Chemistry
131		GE8151	Problem Solving and Python Programming
132		GE8152	Engineering Graphics
133		GE8161	Problem Solving and Python Programming Laboratory
134		BS8161	Physics and Chemistry Laboratory
135		HS8251	Technical English
136		MA8251	Engineering Mathematics - II
137		PH8252	Physics for Information Science
138		BE8254	Basic Electrical and Instrumentation Engineering
139		EC8251	Circuit Analysis
140		EC8252	Electronic Devices
141		EC8261	Circuits and Devices Laboratory
142		GE8261	Engineering Practices Laboratory
143	106	MA8352	Linear Algebra and Partial Differential Equations
144		EC8393	Fundamentals of Data Structures In C
145		EC8351	Electronic Circuits- I
146		EC8352	Signals and Systems
147		EC8392	Digital Electronics
148		EC8391	Control Systems Engineering
149		EC8381	Fundamentals of Data Structures in C Laboratory
150		EC8361	Analog and Digital Circuits Laboratory
151		HS8381	Interpersonal Skills/Listening & Speaking
152		MA8451	Probability and Random Processes
153		EC8452	Electronic Circuits II
154		EC8491	Communication Theory
155		EC8451	Electromagnetic Fields
156		EC8453	Linear Integrated Circuits
157		GE8291	Environmental Science and Engineering
158		EC8461	Circuits Design and Simulation Laboratory
159		EC8462	Linear Integrated Circuits Laboratory
160		EC6501	Digital Communication
161		EC6502	Principles of Digital Signal Processing

B.E. - Electronics and Communication Engineering (R2017)

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B.E. - Electronics
and Communication
Engineering (R2013)

EC6503	Transmission Lines and Wave Guides
GE6351	Environmental Science and Engineering
EC6504	Microprocessor and Microcontroller
EC6511	Digital Signal Processing Laboratory
EC6512	Communication System Laboratory
EC6513	Microprocessor and Microcontroller Laboratory
MG6851	Principles of Management
CS6303	Computer Architecture
CS6551	Computer Networks
EC6601	VLSI Design
EC6602	Antenna and Wave propagation
EC6001	Medical Electronics (PE)
EC6611	Computer Networks Laboratory
EC6612	VLSI Design Laboratory
GE6674	Communication and Soft Skills - Laboratory Based
EC6701	RF and Microwave Engineering
EC6702	Optical Communication and Networks
EC6703	Embedded and Real Time Systems
EC6004	Satellite Communication (PE)
EC6009	Advanced Computer Architecture (PE)
EC6013	Advanced Micro Processors and Micro Controllers (PE)
EC6711	Embedded Laboratory
EC6712	Optical and Microwave Laboratory
EC6801	Wireless Communication
EC6802	Wireless Networks
EC6018	Multimedia Compressoion and communication (PE)
GE6757	Total Quality Management (PE)
EC6811	Project Work
HS8151	Communicative English
MA8151	Engineering Mathematics – I
PH8151	Engineering Physics
CY8151	Engineering Chemistry
GE8151	Problem Solving and Python Programming
GE8152	Engineering Graphics
GE8161	Problem Solving and Python Programming Laboratory
BS8161	Physics and Chemistry Laboratory
HS8251	Technical English
MA8251	Engineering Mathematics - II
PH8251	Materials Science
BE8253	Basic Electrical, Electronics and Instrumentation Engineering
GE8291	Environmental Science and Engineering
GE8292	Engineering Mechanics
GE8261	Engineering Practices Laboratory



205	114	B.E. - Mechanical Engineering (R2017)	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory		
206			MA8353	Transforms and Partial Differential Equations		
207			ME8391	Engineering Thermodynamics		
208			CE8394	Fluid Mechanics and Machinery		
209			ME8351	Manufacturing Technology - I		
210			EE8353	Electrical Drives and Controls		
211			ME8361	Manufacturing Technology Laboratory - I		
212			ME8381	Computer Aided Machine Drawing		
213			EE8361	Electrical Engineering Laboratory		
214			HS8381	Interpersonal Skills / Listening & Speaking		
215			MA8452	Statistics and Numerical Methods		
216			ME8492	Kinematics of Machinery		
217			ME8451	Manufacturing Technology – II		
218			ME8491	Engineering Metallurgy		
219			CE8395	Strength of Materials for Mechanical Engineers		
220			ME8493	Thermal Engineering- I		
221			ME8462	Manufacturing Technology Laboratory – II		
222			CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory		
223			HS8461	Advanced Reading and Writing		
224			114	B.E. - Mechanical Engineering (R2013)	ME6501	Computer Aided Design
225					ME6502	Heat and Mass Transfer
226					ME6503	Design of Machine Elements
227					ME6504	Metrology and Measurements
228	ME6505	Dynamics of Machines				
229	GE6075	Professional Ethics in Engineering (PE)				
230	ME6511	Dynamics Laboratory				
231	ME6512	Thermal Engineering Laboratory-II				
232	ME6513	Metrology and Measurements Laboratory				
233	ME6601	Design of Transmission Systems				
234	MG6851	Principles of Management				
235	ME6602	Automobile Engineering				
236	ME6603	Finite Element Analysis				
237	ME6604	Gas Dynamics and Jet Propulsion				
238	ME6004	Unconventional Machining Process (PE)				
239	ME6611	C.A.D. / C.A.M. Laboratory				
240	ME6612	Design and Fabrication Project				
241	GE6674	Communication and Soft Skills- Laboratory Based				
242	ME6701	Power Plant Engineering				
243	ME6702	Mechatronics				
244	ME6703	Computer Integrated Manufacturing Systems				
245	GE6757	Total Quality Management				

2009



246		ME6005	Process Planning and Cost Estimation (PE)			
247		ME6012	Maintenance Engineering (PE)			
248		ME6711	Simulation and Analysis Laboratory			
249		ME6712	Mechatronics Laboratory			
250		ME6713	Comprehension			
251		MG6863	Engineering Economics			
252		IE6605	Production Planning and Control (PE)			
253		ME6016	Advanced IC Engines (PE)			
254		ME6811	Project Work			
255	631	M.B.A. - Master of Business Administration (R2017)	BA5101	Economic Analysis for Business	2009	
256			BA5102	Principles of Management		
257			BA5103	Accounting for Management		
258			BA5104	Legal Aspects of Business		
259			BA5105	Organizational Behaviour		
260			BA5106	Statistics for Management		
261			BA5107	Total Quality Management		
262			BA5111	Spoken and Written Communication		
263			BA5201	Applied Operations Research		
264			BA5202	Business Research Methods		
265			BA5203	Financial Management		
266			BA5204	Human Resource Management		
267			BA5205	Information Management		
268			BA5206	Operations Management		
269			BA5207	Marketing Management		
270			BA5211	Data Analysis and Business Modelling		
271			BA5301	International Business Management		
272			BA5302	Strategic Management		
273				BA5031/ BA5015 (PE)		International Trade Finance / Industrial Relations and Labour Welfare
274				BA5011 / BA5019 (PE)		Merchant Banking and Financial Services / Strategic Human Resource Management
275				BA5012 / BA5018 (PE)		Security Analysis and Portfolio Management / Organizational Theory, Design and Development
276				BA5022 (PE)		Consumer Behaviour
277		BA5004 (PE)	Integrated Marketing Communication			
278		BA5005 (PE)	Retail Marketing			
279		BA5311	Summer Training			
280		BA5411	Project Work			
281	5. Shanthi	M.B.A. - Master of Business Administration (R2017)	MA5165	Statistical Methods for Engineers	2009	
282			CN5101	Modern Construction Materials		
283			CN5102	Construction Equipment		
284			CN5103	Construction Planning, Scheduling and Control		
285			CN5001	Advanced Concrete Technology (PE)		
286			CN5004	System Integration in Construction (PE)		
287			CN5201	Advanced Construction Techniques		

288	418	M.E. - Construction Engineering and Management (R2017)	CN5202	Contract Laws and Regulations	2013
289			CN5203	Computer Applications in Construction Engineering and Planning	
290			CN5204	Economics and Finance Management in Construction	
291			CN5006	Construction Project Management (PE)	
292			CN5007	Construction Personnel Management (PE)	
293			CN5211	Advanced Construction Engineering and Computing Techniques Laboratory	
294			CN5212	Practical Training I (2 Weeks)	
295			CN5301	Quality Control and Assurance in Construction	
296			CN5010	Resource Management and Control in Construction (PE)	
297			CN5011	Project Safety Management (PE)	
298			CN5311	Practical Training II (2 Weeks)	
299			CN5312	Seminar	
300			CN5313	Project Work (Phase I)	
301			CN5411	Practical Training III (2 Weeks)	
302			CN5412	Project Work (Phase II)	
303			408	M.E. - Engineering Design (R2017)	
304	ED5191	Engineering Fracture Mechanics			
305	ED5151	Computer Applications in Design			
306	ED5152	Quality Concepts in Design			
307	ED5153	Advanced Finite Element Analysis			
308	ED5091	Design of Material Handling Equipments (PE)			
309	ED5161	CAD Laboratory			
310	ED5162	Advanced Analysis and Simulation Laboratory			
311	ED5251	Mechanisms Design and Simulation			
312	ED5252	Mechanical Behavior of Materials			
313	ED5253	Integrated Mechanical Design			
314	ED5254	Vibration Analysis and Control			
315	ED5003	Advanced Metal Forming Techniques (PE)			
316	ED5092	Advanced Mechanics of Materials (PE)			
317	ED5261	Vibration Laboratory			
318	ED5211	Design Project			
319	PD5091	Product Lifecycle Management			
320	ED5005	Design of Hydraulics and Pneumatics (PE)			
321	ED5078	Composite Materials and Mechanics (PE)			
322	ED5311	Project Work Phase I			
323	ED5411	Project Work Phase II			

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PRINCIPAL
CARE COLLEGE OF ENGINEERING
 No. 27, Thayanur, Trichy-620 009.

LIST OF COURSES OFFERED IN THE COLLEGE FOR EACH PROGRAM Academic Year 2017-2018

S. No.	Program Code	Programme Name	Course Code	Course Name	Year of Introduction
1	103	B.E. - Civil Engineering (R2017)	HS8151	Communicative English	
2			MA8151	Engineering Mathematics – I	
3			PH8151	Engineering Physics	
4			CY8151	Engineering Chemistry	
5			GE8151	Problem Solving and Python Programming	
6			GE8152	Engineering Graphics	
7			GE8161	Problem Solving and Python Programming Laboratory	
8			BS8161	Physics and Chemistry Laboratory	
9			HS8251	Technical English	
10			MA8251	Engineering Mathematics – II	
11			PH8201	Physics For Civil Engineering	
12			BE8251	Basic Electrical and Electronics Engineering	
13			GE8291	Environmental Science and Engineering	
14			GE8292	Engineering Mechanics	
15			GE8261	Engineering Practices Laboratory	
16			CE8211	Computer Aided Building Drawing	
17			MA6351	Transforms and Partial Differential Equations	2009
18			GE6351	Environmental Science and Engineering	
19			CE6301	Engineering Geology	
20			CE6302	Mechanics of Solids	
21			CE6303	Mechanics of Fluids	
22			CE6304	Surveying I	
23			CE6311	Survey Practical I	
24			CE6312	Computer Aided Building Drawing	
25			MA6459	Numerical Methods	
26			CE6401	Construction Materials	
27			CE6402	Strength of Materials	
28			CE6403	Applied Hydraulic Engineering	
29			CE6404	Surveying II	
30			CE6405	Soil Mechanics	
31			CE6411	Strength of Materials Laboratory	
32			CE6412	Hydraulic Engineering Laboratory	
33			CE6413	Survey Practical II	
34			CE6501	Structural Analysis I	
35			CE6502	Foundation Engineering	
36			CE6503	Environmental Engineering I	
37	CE6504	Highway Engineering			

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38	103	B.E. - Civil Engineering (R2013)	CE6505	Design of Reinforced Concrete Elements		
39			CE6506	Construction Techniques, Equipment and Practice		
40			GE6674	Communication and Soft skills- Laboratory Based		
41			CE6511	Soil Mechanics Laboratory		
42			CE6512	Survey Camp		
43			CE6601	Design of Reinforced Concrete & Brick Masonry Structures		
44			CE6602	Structural Analysis II		
45			CE6603	Design of Steel Structures		
46			CE6604	Railways, Airports and Harbour Engineering		
47			CE6605	Environmental Engineering II		
48			CE6002	Concrete Technologies (PE)		
49			CE6611	Environmental Engineering Laboratory		
50			CE6612	Concrete and Highway Engineering Laboratory		
51			CE6701	Structural Dynamics and Earthquake Engineering		
52			CE6702	Prestressed Concrete Structures		
53			CE6703	Water Resources and Irrigation Engineering		
54			CE6704	Estimation and Quantity Surveying		
55			CE6007	Housing, Planning and Management (PE)		
56			CE6011	Air Pollution Management (PE)		
57			CE6711	Computer Aided Design and Drafting Laboratory		
58			CE6712	Design Project		
59			MG6851	Principles of Management		
60			CE6016	Prefabricated Structures (PE)		
61			CE6021	Repair and Rehabilitation of Structures (PE)		
62			CE6811	Project Work		
63			104	B.E. - Computer Science and Engineering (R2017)	HS8151	Communicative English
64					MA8151	Engineering Mathematics – I
65					PH8151	Engineering Physics
66					CY8151	Engineering Chemistry
67					GE8151	Problem Solving and Python Programming
68					GE8152	Engineering Graphics
69					GE8161	Problem Solving and Python Programming Laboratory
70					BS8161	Physics and Chemistry Laboratory
71					HS8251	Technical English
72	MA8251	Engineering Mathematics - II				
73	PH8252	Physics for Information Science				

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74		BE8255	Basic Electrical, Electronics and Measurement Engineering	
75		GE8291	Environmental Science and Engineering	
76		CS8251	Programming in C	
77		GE8261	Engineering Practices Laboratory	
78		CS8261	C Programming Laboratory	
79	104	MA6351	Transforms and Partial Differential Equations	
80		CS6301	Programming and Data Structure II	
81		CS6302	Database Management Systems	
82		CS6303	Computer Architecture	
83		CS6304	Analog and Digital Communication	
84		GE6351	Environmental Science and Engineering	
85		CS6311	Programming and Data Structure Laboratory II	
86		CS6312	Database Management Systems Laboratory	
87		MA6453	Probability and Queueing Theory	
88		CS6551	Computer Networks	
89		CS6401	Operating Systems	
90		CS6402	Design and Analysis of Algorithms	
91		EC6504	Microprocessor and Microcontroller	
92		CS6403	Software Engineering	
93		CS6411	Networks Laboratory	
94		CS6412	Microprocessor and Microcontroller Laboratory	
95		CS6413	Operating Systems Laboratory	
96		MA6566	Discrete Mathematics	
97		CS6501	Internet Programming	
98		CS6502	Object Oriented Analysis and Design	
99		CS6503	Theory of Computation	
100		B.E. - Computer Science and Engineering (R2013)	CS6504	Computer Graphics
101			CS6511	Case Tools Laboratory
102			CS6512	Internet Programming Laboratory
103			CS6513	Computer Graphics Laboratory
104			CS6601	Distributed Systems
105			IT6601	Mobile Computing
106			CS6660	Compiler Design
107			IT6502	Digital Signal Processing
108			CS6659	Artificial Intelligence
109			IT6004	Software Testing (PE)
110		CS6611	Mobile Application Development Laboratory	
111		CS6612	Compiler Laboratory	
112		GE6674	Communication and Soft Skills - Laboratory Based	
113		CS6701	Cryptography and Network Security	
114		CS6702	Graph Theory and Applications	
115		CS6703	Grid and Cloud Computing	
116		CS6704	Resource Management Techniques	

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117		IT6801	Service Oriented Architecture (PE)		
118		CS6007	Information Retrieval (PE)		
119		CS6711	Security Laboratory		
120		CS6712	Grid and Cloud Computing Laboratory		
121		CS6801	Multi – Core Architectures and Programming		
122		CS6008	Human Computer Interaction (PE)		
123		GE6075	Professional Ethics in Engineering (PE)		
124		CS6811	Project Work		
125	106	B.E. - Electronics and Communication Engineering	HS8151	Communicative English	
126			MA8151	Engineering Mathematics – I	
127			PH8151	Engineering Physics	
128			CY8151	Engineering Chemistry	
129			GE8151	Problem Solving and Python Programming	
130			GE8152	Engineering Graphics	
131			GE8161	Problem Solving and Python Programming Laboratory	
132			BS8161	Physics and Chemistry Laboratory	
133			HS8251	Technical English	
134			MA8251	Engineering Mathematics - II	
135			PH8252	Physics for Information Science	
136			BE8254	Basic Electrical and Instrumentation Engineering	
137			EC8251	Circuit Analysis	
138			EC8252	Electronic Devices	
139			EC8261	Circuits and Devices Laboratory	
140			GE8261	Engineering Practices Laboratory	
141				MA6351	Transforms and Partial Differential Equations
142				EE6352	Electrical Engineering and Instrumentation
143				EC6301	Object Oriented Programming and Data Structures
144		EC6302	Digital Electronics		
145		EC6303	Signals and Systems		
146		EC6304	Electronic Circuits- I		
147		EC6311	Analog and Digital Circuits Laboratory		
148		EC6312	OOPS and Data Structures Laboratory		
149		MA6451	Probability and Random Processes		
150		EC6401	Electronic Circuits II		
151		EC6402	Communication Theory		
152		EC6403	Electromagnetic Fields		
153		EC6404	Linear Integrated Circuits		
154		EC6405	Control System Engineering		
155		EC6411	Circuit and Simulation Integrated Laboratory		
156		EC6412	Linear Integrated Circuit Laboratory		
157		EE6461	Electrical Engineering and Control System Laboratory		

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158	106	B.E. - Electronics and Communication Engineering (R2013)	EC6501	Digital Communication		
159			EC6502	Principles of Digital Signal Processing		
160			EC6503	Transmission Lines and Wave Guides		
161			GE6351	Environmental Science and Engineering		
162			EC6504	Microprocessor and Microcontroller		
163			EC6511	Digital Signal Processing Laboratory		
164			EC6512	Communication System Laboratory		
165			EC6513	Microprocessor and Microcontroller Laboratory		
166			MG6851	Principles of Management		
167			CS6303	Computer Architecture		
168			CS6551	Computer Networks		
169			EC6601	VLSI Design		
170			EC6602	Antenna and Wave propagation		
171			EC6001	Medical Electronics (PE)		
172			EC6611	Computer Networks Laboratory		
173			EC6612	VLSI Design Laboratory		
174			GE6674	Communication and Soft Skills - Laboratory Based		
175			EC6701	RF and Microwave Engineering		
176			EC6702	Optical Communication and Networks		
177			EC6703	Embedded and Real Time Systems		
178			EC6004	Satellite communication (PE)		
179			EC6009	Advanced Computer Architecture (PE)		
180			EC6016	Opto Electronics Devices		
181			EC6711	Embedded Laboratory		
182			EC6712	Optical and Microwave Laboratory		
183			EC6801	Wireless Communication		
184			EC6802	Wireless Networks		
185			EC6018	Multimedia Compression and Communication (PE)		
186			GE6757	Total Quality Management (PE)		
187			EC6811	Project Work		
188			114	B.E. - Mechanical Engineering (R2017)	HS8151	Communicative English
189					MA8151	Engineering Mathematics – I
190					PH8151	Engineering Physics
191					CY8151	Engineering Chemistry
192	GE8151	Problem Solving and Python Programming				
193	GE8152	Engineering Graphics				
194	GE8161	Problem Solving and Python Programming Laboratory				
195	BS8161	Physics and Chemistry Laboratory				
196	HS8251	Technical English				
197	MA8251	Engineering Mathematics - II				
198	PH8251	Materials Science				
199	BE8253	Basic Electrical, Electronics and Instrumentation Engineering				
200	GE8291	Environmental Science and Engineering				
201	GE8292	Engineering Mechanics				

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202		GE8261	Engineering Practices Laboratory
203		BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory
204		MA6351	Transforms and Partial Differential Equations
205		CE6306	Strength of Materials
206		ME6301	Engineering Thermodynamics
207		CE6451	Fluid Mechanics and Machinery
208		ME6302	Manufacturing Technology - I
209		EE6351	Electrical Drives and Controls
210		ME6311	Manufacturing Technology Laboratory - I
211		CE6461	Fluid Mechanics and Machinery Laboratory
212		EE6365	Electrical Engineering Laboratory
213		MA6452	Statistics and Numerical Methods
214		ME6401	Kinematics of Machinery
215		ME6402	Manufacturing Technology- II
216		ME6403	Engineering Materials and Metallurgy
217		GE6351	Environmental Science and Engineering
218		ME6404	Thermal Engineering
219		ME6411	Manufacturing Technology Laboratory-II
220		ME6412	Thermal Engineering Laboratory - I
221		CE6315	Strength of Materials Laboratory
222		ME6501	Computer Aided Design
223		ME6502	Heat and Mass Transfer
224		ME6503	Design of Machine Elements
225		ME6504	Metrology and Measurements
226		ME6505	Dynamics of Machines
227		GE6075	Professional Ethics in Engineering (PE)
228		ME6511	Dynamics Laboratory
229	114	ME6512	Thermal Engineering Laboratory-II
230		ME6513	Metrology and Measurements Laboratory
231		ME6601	Design of Transmission Systems
232		MG6851	Principles of Management
233		ME6602	Automobile Engineering
234		ME6603	Finite Element Analysis
235		ME6604	Gas Dynamics and Jet Propulsion
236		ME6004	Unconventional Machining Process (PE)
237		ME6611	C.A.D. / C.A.M. Laboratory
238		ME6612	Design and Fabrication Project
239		GE6674	Communication and Soft Skills- Laboratory Based
240		ME6701	Power Plant Engineering
241		ME6702	Mechatronics
242		ME6703	Computer Integrated Manufacturing Systems
243		GE6757	Total Quality Management
244		ME6005	Process Planning and Cost Estimation (PE)

B.E. - Mechanical Engineering (R2013)

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2009

245		ME6012	Maintenance Engineering (PE)		
246		ME6711	Simulation and Analysis Laboratory		
247		ME6712	Mechatronics Laboratory		
248		ME6713	Comprehension		
249		MG6863	Engineering Economics		
250		IE6605	Production Planning and Control (PE)		
251		ME6016	Advanced IC Engines (PE)		
252		ME6811	Project Work		
253	631	M.B.A. - Master of Business Administration (R2017)	BA5101	Economic Analysis for Business	2009
254			BA5102	Principles of Management	
255			BA5103	Accounting for Management	
256			BA5104	Legal Aspects of Business	
257			BA5105	Organizational Behaviour	
258			BA5106	Statistics for Management	
259			BA5107	Total Quality Management	
260			BA5111	Spoken and Written Communication	
261			BA5201	Applied Operations Research	
262			BA5202	Business Research Methods	
263			BA5203	Financial Management	
264			BA5204	Human Resource Management	
265			BA5205	Information Management	
266			BA5206	Operations Management	
267			BA5207	Marketing Management	
268			BA5211	Data Analysis and Business Modelling	
269			631	M.B.A. - Master of Business Administration (R2013)	
270	BA7302	Strategic Management			
271	BA7025/ BA7036 (PE)	Micro Finance / Strategic Human Resource Management			
272	BA7026 / BA7031 (PE)	Banking and Financial Services / Managerial Behavioural Effectiveness			
273	BA7021 / BA7034 (PE)	Security Analysis and Portfolio Management / Industrial Relations and Labour Welfare			
274	BA7011 (PE)	Brand Management			
275	BA7012 (PE)	Retail Marketing			
276	BA7014 (PE)	Integrated Marketing Communication			
277	BA7311	Professional Skill Development			
278	BA7312	Summer Training			
279	BA7401	International Business Management			
280	BA7402	Business Ethics, Corporate Social Responsibility and Governance			
281	BA7411	Creativity and Innovation			
282	BA7412	Project Work			
283		MA5165	Statistical Methods for Engineers		
284		CN5101	Modern Construction Materials		
285		CN5102	Construction Equipment		
286		CN5103	Construction Planning, Scheduling and Control		
287		CN5001	Advanced Concrete Technology (PE)		
288		CN5004	System Integration in Construction (PE)		

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289	418	M.E. - Construction Engineering and Management (R2017)	CN5201	Advanced Construction Techniques	2013
290			CN5202	Contract Laws and Regulations	
291			CN5203	Computer Applications in Construction Engineering and Planning	
292			CN5204	Economics and Finance Management in Construction	
293			CN5006	Construction Project Management (PE)	
294			CN5007	Construction Personnel Management (PE)	
295			CN5211	Advanced Construction Engineering and Computing Techniques Laboratory	
296			CN5212	Practical Training I (2 Weeks)	
297	418	M.E. - Construction Engineering and Management (R2013)	CN7007	Quality Control and Assurance in construction (PE)	2013
298			CN7009	Resource Mangment and Control in Construction (PE)	
299			CN7010	Project Safety Management	
300			CN7311	Practical Training (4 Weeks)	
301			CN7312	Project Work (Phase I)	
302			CN7313	Seminar	
303			CN7411	Project Work (Phase II)	
304	408	M.E. - Engineering Design (R2017)	MA5156	Applied Mathematics for Engineers	2013
305			ED5191	Engineering Fracture Mechanics	
306			ED5151	Computer Applications in Design	
307			ED5152	Quality Concepts in Design	
308			ED5153	Advanced Finite Element Analysis	
309			ED5091	Design of Material Handling Equipments (PE)	
310			ED5161	CAD Laboratory	
311			ED5162	Advanced Analysis and Simulation Laboratory	
312			ED5251	Mechanisms Design and Simulation	
313			ED5252	Mechanical Behavior of Materials	
314			ED5253	Integrated Mechanical Design	
315			ED5254	Vibration Analysis and Control	
316			ED5003	Advanced Metal Forming Techniques (PE)	
317			ED5092	Advanced Mechanics of Mateirals (PE)	
318	ED5261	Vibration Laboratory			
319	ED5211	Design Project			
320	408	M.E. - Engineering Design (R2013)	ED7012	Surface Engineering (PE)	2013
321			ED7013	Advanced Finite Element Analysis (PE)	
322			IC7072	Computational Fluid dynamics (PE)	
323			ED7311	Project Work (Phase I)	
324			ED7411	Project Work (Phase II)	



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COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University)

LIST OF COURSES OFFERED IN THE COLLEGE FOR EACH PROGRAM

Academic Year 2016-2017

S. No.	Program Code	Programme Name	Course Code	Course Name	Year of Introduction
1	103	B.E. - Civil Engineering (R2013)	HS6151	Technical English - I	2009
2			MA6151	Mathematics – I	
3			PH6151	Engineering Physics – I	
4			CY6151	Engineering Chemistry – I	
5			GE6151	Computer Programming	
6			GE6152	Engineering Graphics	
7			GE6161	Computer Practices Laboratory	
8			GE6162	Engineering Practices Laboratory	
9			GE6163	Physics and Chemistry Laboratory - I	
10			HS6251	Technical English - II	
11			MA6251	Mathematics – II	
12			PH6251	Engineering Physics – II	
13			CY6251	Engineering Chemistry – II	
14			GE6252	Basic Electrical and Electronics Engineering	
15			GE6253	Engineering Mechanics	
16			GE6261	Computer Aided Drafting and Modeling Laboratory	
17			GE6262	Physics and Chemistry Laboratory - II	
18			MA6351	Transforms and Partial Differential Equations	
19			GE6351	Environmental Science and Engineering	
20			CE6301	Engineering Geology	
21			CE6302	Mechanics of Solids	
22			CE6303	Mechanics of Fluids	
23			CE6304	Surveying I	
24			CE6311	Survey Practical I	
25			CE6312	Computer Aided Building Drawing	
26			MA6459	Numerical Methods	
27			CE6401	Construction Materials	
28			CE6402	Strength of Materials	
29			CE6403	Applied Hydraulic Engineering	
30			CE6404	Surveying II	
31			CE6405	Soil Mechanics	
32			CE6411	Strength of Materials Laboratory	
33			CE6412	Hydraulic Engineering Laboratory	
34			CE6413	Survey Practical II	
35			CE6501	Structural Analysis I	
36			CE6502	Foundation Engineering	
37			CE6503	Environmental Engineering I	
38			CE6504	Highway Engineering	
39			CE6505	Design of Reinforced Concrete Elements	
40			CE6509	Construction Techniques, Equipment and Practice	

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 No. 27, Thayanur, Trichy - 626 009.

G.NARAYANAN EDUCATIONAL TRUST

No. 27, Thayanur, Trichy - 620 009. Ph: 0431 - 2690505. Email: contact@care.ac.in

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GE6674	Communication and Soft skills- Laboratory Based
CE6511	Soil Mechanics Laboratory
CE6512	Survey Camp
CE6601	Design of Reinforced Concrete & Brick Masonry Structures
CE6602	Structural Analysis II
CE6603	Design of Steel Structures
CE6604	Railways, Airports and Harbour Engineering
CE6605	Environmental Engineering II
CE6002	Concrete Technologies (PE)
CE6611	Environmental Engineering Laboratory
CE6612	Concrete and Highway Engineering Laboratory
CE6701	Structural Dynamics and Earthquake Engineering
CE6702	Prestressed Concrete Structures
CE6703	Water Resources and Irrigation Engineering
CE6704	Estimation and Quantity Surveying
CE6007	Housing, Planning and Management (PE)
CE6011	Air Pollution Management (PE)
CE6711	Computer Aided Design and Drafting Laboratory
CE6712	Design Project
MG6851	Principles of Management
CE6016	Prefabricated Structures (PE)
CE6021	Repair and Rehabilitation of Structures (PE)
CE6811	Project Work
HS6151	Technical English – I
MA6151	Mathematics – I
PH6151	Engineering Physics – I
CY6151	Engineering Chemistry – I
GE6151	Computer Programming
GE6152	Engineering Graphics
GE6161	Computer Practices Laboratory
GE6162	Engineering Practices Laboratory
GE6163	Physics and Chemistry Laboratory - I
HS6251	Technical English – II
MA6251	Mathematics – II
PH6251	Engineering Physics – II
CY6251	Engineering Chemistry – II
CS6201	Digital Principles and System Design
CS6202	Programming and Data Structures I
GE6262	Physics and Chemistry Laboratory - II
CS6211	Digital Laboratory
CS6212	Programming and Data Structures Laboratory I

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B.E. - Computer
Science and
Engineering (R2013)



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MA6351	Transforms and Partial Differential Equations
CS6301	Programming and Data Structure II
CS6302	Database Management Systems
CS6303	Computer Architecture
CS6304	Analog and Digital Communication
GE6351	Environmental Science and Engineering
CS6311	Programming and Data Structure Laboratory II
CS6312	Database Management Systems Laboratory
MA6453	Probability and Queueing Theory
CS6551	Computer Networks
CS6401	Operating Systems
CS6402	Design and Analysis of Algorithms
EC6504	Microprocessor and Microcontroller
CS6403	Software Engineering
CS6411	Networks Laboratory
CS6412	Microprocessor and Microcontroller Laboratory
CS6413	Operating Systems Laboratory
MA6566	Discrete Mathematics
CS6501	Internet Programming
CS6502	Object Oriented Analysis and Design
CS6503	Theory of Computation
CS6504	Computer Graphics
CS6511	Case Tools Laboratory
CS6512	Internet Programming Laboratory
CS6513	Computer Graphics Laboratory
CS6601	Distributed Systems
IT6601	Mobile Computing
CS6660	Compiler Design
IT6502	Digital Signal Processing
CS6659	Artificial Intelligence
GE6757	Total Quality Management (PE)
CS6611	Mobile Application Development Laboratory
CS6612	Compiler Laboratory
GE6674	Communication and Soft Skills - Laboratory Based
CS6701	Cryptography and Network Security
CS6702	Graph Theory and Applications
CS6703	Grid and Cloud Computing
CS6704	Resource Management Techniques
CS6003	AdHoc Sensor Networks (PE)
CS6007	Information Retrieval (PE)
CS6711	Security Laboratory
CS6712	Grid and Cloud Computing Laboratory
CS6801	Multi – Core Architectures and Programming
CS6008	Human Computer Interaction (PE)

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126		GE6075	Professional Ethics in Engineering (PE)
127		CS6811	Project Work
128		HS6151	Technical English – I
129		MA6151	Mathematics – I
130		PH6151	Engineering Physics – I
131		CY6151	Engineering Chemistry – I
132		GE6151	Computer Programming
133		GE6152	Engineering Graphics
134		GE6161	Computer Practices Laboratory
135		GE6162	Engineering Practices Laboratory
136		GE6163	Physics and Chemistry Laboratory - I
137		HS6251	Technical English – II
138		MA6251	Mathematics – II
139		PH6251	Engineering Physics – II
140		CY6251	Engineering Chemistry – II
141		EC6201	Electronic Devices
142		EE6201	Circuit Theory
143		GE6262	Physics and Chemistry Laboratory - II
144		EC6211	Circuits and Devices Laboratory
145		MA6351	Transforms and Partial Differential Equations
146		EE6352	Electrical Engineering and Instrumentation
147		EC6301	Object Oriented Programming and Data Structures
148		EC6302	Digital Electronics
149		EC6303	Signals and Systems
150		EC6304	Electronic Circuits- I
151		EC6311	Analog and Digital Circuits Laboratory
152		EC6312	OOPS and Data Structures Laboratory
153		MA6451	Probability and Random Processes
154		EC6401	Electronic Circuits II
155		EC6402	Communication Theory
156		EC6403	Electromagnetic Fields
157		EC6404	Linear Integrated Circuits
158		EC6405	Control System Engineering
159		EC6411	Circuit and Simulation Integrated Laboratory
160	106	EC6412	Linear Integrated Circuit Laboratory
161		EE6461	Electrical Engineering and Control System Laboratory
162		EC6501	Digital Communication
163		EC6502	Principles of Digital Signal Processing
164		EC6503	Transmission Lines and Wave Guides
165		GE6351	Environmental Science and Engineering
166		EC6504	Microprocessor and Microcontroller
167		EC6511	Digital Signal Processing Laboratory
168		EC6512	Communication System Laboratory
169		EC6513	Microprocessor and Microcontroller Laboratory
170		MG6851	Principles of Management

B.E. - Electronics and Communication Engineering (R2013)

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171	CS6303	Computer Architecture
172	CS6551	Computer Networks
173	EC6601	VLSI Design
174	EC6602	Antenna and Wave propagation
175	EC6001	Medical Electronics (PE)
176	EC6611	Computer Networks Laboratory
177	EC6612	VLSI Design Laboratory
178	GE6674	Communication and Soft Skills - Laboratory Based
179	EC6701	RF and Microwave Engineering
180	EC6702	Optical Communication and Networks
181	EC6703	Embedded and Real Time Systems
182	EC6004	Satellite Communication (PE)
183	EC6008	Web Technology (PE)
184	EC6015	Radar and Navigational Aids (PE)
185	EC6711	Embedded Laboratory
186	EC6712	Optical and Microwave Laboratory
187	EC6801	Wireless Communication
188	EC6802	Wireless Networks
189	EC6018	Multimedia Compression and Communication (PE)
190	GE6757	Total Quality Management (PE)
191	EC6811	Project Work
192	HS6151	Technical English – I
193	MA6151	Mathematics – I
194	PH6151	Engineering Physics – I
195	CY6151	Engineering Chemistry – I
196	GE6151	Computer Programming
197	GE6152	Engineering Graphics
198	GE6161	Computer Practices Laboratory
199	GE6162	Engineering Practices Laboratory
200	GE6163	Physics and Chemistry Laboratory - I
201	HS6251	Technical English – II
202	MA6251	Mathematics – II
203	PH6251	Engineering Physics – II
204	CY6251	Engineering Chemistry – II
205	GE6252	Basic Electrical and Electronics Engineering
206	GE6253	Engineering Mechanics
207	GE6261	Computer Aided Drafting and Modeling Laboratory
208	GE6262	Physics and Chemistry Laboratory - II
209	MA6351	Transforms and Partial Differential Equations
210	CE6306	Strength of Materials
211	ME6301	Engineering Thermodynamics
212	CE6451	Fluid Mechanics and Machinery
213	ME6302	Manufacturing Technology - I
214	EE6351	Electrical Drives and Controls
215	ME6311	Manufacturing Technology Laboratory - I

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216	114	B.E. - Mechanical Engineering (R2013)	CE6461	Fluid Mechanics and Machinery Laboratory	2009
217			EE6365	Electrical Engineering Laboratory	
218			MA6452	Statistics and Numerical Methods	
219			ME6401	Kinematics of Machinery	
220			ME6402	Manufacturing Technology– II	
221			ME6403	Engineering Materials and Metallurgy	
222			GE6351	Environmental Science and Engineering	
223			ME6404	Thermal Engineering	
224			ME6411	Manufacturing Technology Laboratory–II	
225			ME6412	Thermal Engineering Laboratory - I	
226			CE6315	Strength of Materials Laboratory	
227			ME6501	Computer Aided Design	
228			ME6502	Heat and Mass Transfer	
229			ME6503	Design of Machine Elements	
230			ME6504	Metrology and Measurements	
231			ME6505	Dynamics of Machines	
232			GE6075	Professional Ethics in Engineering (PE)	
233			ME6511	Dynamics Laboratory	
234			ME6512	Thermal Engineering Laboratory-II	
235			ME6513	Metrology and Measurements Laboratory	
236			ME6601	Design of Transmission Systems	
237			MG6851	Principles of Management	
238			ME6602	Automobile Engineering	
239			ME6603	Finite Element Analysis	
240			ME6604	Gas Dynamics and Jet Propulsion	
241			ME6004	Unconventional Machining Process (PE)	
242			ME6611	C.A.D. / C.A.M. Laboratory	
243			ME6612	Design and Fabrication Project	
244			GE6674	Communication and Soft Skills- Laboratory Based	
245			ME6701	Power Plant Engineering	
246			ME6702	Mechatronics	
247			ME6703	Computer Integrated Manufacturing Systems	
248			GE6757	Total Quality Management	
249			ME6005	Process Planning and Cost Estimation (PE)	
250			ME6012	Maintenance Engineering (PE)	
251			ME6711	Simulation and Analysis Laboratory	
252			ME6712	Mechatronics Laboratory	
253			ME6713	Comprehension	
254			MG6863	Engineering Economics	
255			IE6605	Production Planning and Control (PE)	
256			ME6016	Advanced IC Engines (PE)	
257	ME6811	Project Work			
258	BA7101	Principles of Management			
259	BA7102	Statistics for Management			
260	BA7103	Economic Analysis for Business			
261	BA7104	Total Quality Management			

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262	631	M.B.A. - Master of Business Administration (R2013)	BA7105	Organizational Behaviour	2009			
263			BA7106	Accounting for Management				
264			BA7107	Legal Aspects of Business				
265			BA7108	Written Communication				
266			BA7201	Operations Management				
267			BA7202	Financial Management				
268			BA7203	Marketing Management				
269			BA7204	Human Resource Management				
270			BA7205	Information Management				
271			BA7206	Applied Operations Research				
272			BA7207	Business Research Methods				
273			BA7211	Data Analysis and Business Modeling				
274			BA7301	Enterprise Resource Planning				
275			BA7302	Strategic Management				
276			BA7021 / BA7034 (PE)	Security Analysis and Portfolio Management / Industrial Relations and Labour Welfare				
277			BA7022 / BA7031 (PE)	Merchant Banking and Financial Services / Managerial Behavioural Effectiveness				
278			BA7024/ BA7036 (PE)	Corporate Finance / Strategic Human Resource Management				
279			BA7011 (PE)	Brand Management				
280			BA7012 (PE)	Retail Marketing				
281			BA7014 (PE)	Integrated Marketing Communication				
282			BA7311	Professional Skill Development				
283			BA7312	Summer Training				
284			BA7401	International Business Management				
285			BA7402	Business Ethics, Corporate Social Responsibility and Governance				
286			BA7411	Creativity and Innovation				
287			BA7412	Project Work				
288			418	M.E. - Construction Engineering and Management (R2013)		MA7152	Statistical Methods for Engineers	2013
289						CN7101	Modern Construction Materials	
290	CN7102	Construction Equipment						
291	CN7103	Project Formulation and Appraisal						
292	CN7104	Quantitative Techniques in Management						
293	CN7001	Advanced Concrete Technology (PE)						
294	CN7201	Advanced Construction Techniques						
295	CN7202	Contract Laws and Regulations						
296	CN7203	Construction Planning, Scheduling and Control						
297	CN7204	Computer Applications in Construction Engineering and Planning						
298	CN7004	Energy Efficient Buildings (PE)						
299	CN7005	Construction Project Management (PE)						
300	CN7211	Advanced Construction Engineering and Computing Techniques Laboratory						
301	CN7007	Quality Control and Assurance in construction (PE)						

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302			CN7009	Resource Mangment and Control in Construction (PE)	
303			CN7010	Project Safety Management (PE)	
304			CN7311	Practical Training (4 Weeks)	
305			CN7312	Project Work (Phase I)	
306			CN7313	Seminar	
307			CN7411	Project Work (Phase II)	
308	408	M.E. - Engineering Design (R2013)	MA7169	Advanced Numerical Methods	2013
309			ED7101	Advanced Mechanics of Materials	
310			ED7102	Computer Applications in Design	
311			ED7103	Quality Concepts in Design	
312			ED7104	Vibration Analysis and Control	
313			ED7005	Design of Material Handling Equipments (PE)	
314			ED7111	CAD Laboratory	
315			ED7201	Finite Element Methods in Mechanical Design	
316			ED7202	Mechanisms Design and Simulation	
317			ED7203	Mechanical Behavior of Materials	
318			ED7204	Integrated Mechanical Design	
319			CC7201	Design for Manufacure Assembly and Environment (PE)	
320			ED7008	Advanced Metal forming Techniques (PE)	
321			ED7211	Analysis and Simulation Laboratory	
322			ED7212	Design Project	
323			ED7012	Surface Engineering (PE)	
324			ED7013	Advanced Finite Element Analysis (PE)	
325			IC7072	Computational Fluid dynamics (PE)	
326			ED7311	Project Work (Phase I)	
327			ED7411	Project Work (Phase II)	

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