



Kathir College of Engineering

Wisdom Tree, Avinashi Road, Neelambur, Coimbatore 641062

Criteria-1

Curricular Aspects

Sub-Criteria 1.3

Curriculum Enrichment

1.3.2

Average percentage of courses that include experiential learning through project work/field work/internship during last five years

1.3.2.1

Number of courses that include experiential learning through project work/field work/internship year-wise during last five years



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1.3 Curriculum Enrichment

1.3.2 Courses that include experiential learning through project work/field work/internship during last five years

S. No	Title	Page No
1	Experiential learning AY 2020-2021	1 - 10
2	Experiential learning AY 2019-2020	11 – 21
3	Experiential learning AY 2018-2019	22 – 31
4	Experiential learning AY 2017-2018	32 – 42
5	Experiential learning AY 2016-2017	43 - 52



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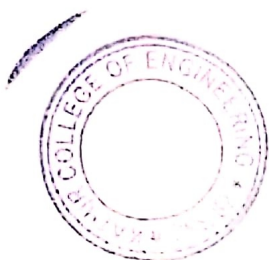
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DEPARTMENT OF CIVIL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2020-21

S. No.	Name of the course	Course code	Program code	Project work	Field work	Internship
1.	Construction Techniques and Practices	CE8401	103	√		√
2.	Concrete Technology	CE8404	103	√		√
3.	Wastewater Engineering	EN8592	103	√		
4.	Structural Design and Drawing	CE8703	103	√		√
5.	Construction Materials	CE8391	103			√
6.	Design of Reinforced Concrete Elements	CE8501	103	√		√



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Department of Computer Science and Engineering

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

Academic Year 2020-2021

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Fieldwork	Internship
1	Technical English – I	HS6151	104	B.E Computer Science and Engineering	✓		
2	Mathematics – I	MA6151	104	B.E Computer Science and Engineering	✓		
3	Technical English – II	HS6251	104	B.E Computer Science and Engineering	✓		
4	Mathematics – II	MA6251	104	B.E Computer Science and Engineering	✓		
5	Microprocessor and Microcontroller	EC6504	104	B.E Computer Science and Engineering	✓		
6	Internet Programming	CS6501	104	B.E Computer Science and Engineering	✓		
7	Data Warehousing and Data Mining	IT6702	104	B.E Computer Science and Engineering	✓		
8	Cryptography and Network Security	CS6701	104	B.E Computer Science and Engineering	✓		✓
9	Grid and Cloud Computing	CS6703	104	B.E Computer Science and Engineering	✓		
10	Digital Image Processing	IT6005	104	B.E Computer Science and Engineering	✓		
11	Human Computer Interaction	CS6008	104	B.E Computer Science and Engineering	✓		
12	Software Project Management	MG6088	104	B.E Computer Science and Engineering	✓		
13	Object Oriented Programming	CS8392	104	B.E Computer Science and Engineering	✓		
14	Artificial Intelligence	CS8691	104	B.E Computer Science and Engineering	✓		
15	Software Engineering	CS8494	104	B.E Computer Science and Engineering	✓		
16	Software Testing	IT8076	104	B.E Computer Science and Engineering	✓		

17	Mobile Computing	CS8601	104	B.E Computer Science and Engineering	✓	✓	
18	Computer Networks	CS8591	104	B.E Computer Science and Engineering	✓		
19	Internet Programming	CS8651	104	B.E Computer Science and Engineering	✓		
20	Database Management Systems	CS8492	104	B.E Computer Science and Engineering	✓		
21	Data Structures	CS8391	104	B.E Computer Science and Engineering	✓		
22	Mobile and Pervasive Computing	CP5093	405	M.E Computer Science and Engineering	✓		
23	Security Practices	CP5291	405	M.E Computer Science and Engineering	✓		



Principal

Dr. R. UDAIYAKUMAR, ME., Ph.D.,
Principal
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"Wisdom Tree" Avinashi Road
Neelambur, Coimbatore - 641 002.



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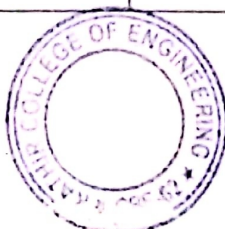
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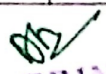
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2020-21

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Technical English - I	HS6151	106	Electronics and Communication Engineering	√		
2	Engineering Physics - II	PH6251	106	Electronics and Communication Engineering	√		
3	Electronic Devices	EC6201	106	Electronics and Communication Engineering	√		
4	Environmental Science and Engineering	GE6351	106	Electronics and Communication Engineering	√		
5	Circuit Theory	EE6201	106	Electronics and Communication Engineering	√		
6	Digital Electronics	EC6302	106	Electronics and Communication Engineering	√		√
7	Electronic Circuits-I	EC6304	106	Electronics and Communication Engineering	√		
8	Communication Theory	EC6402	106	Electronics and Communication Engineering	√		
9	Linear Integrated Circuits	EC6404	106	Electronics and Communication Engineering	√		
10	Digital Communication	EC6501	106	Electronics and Communication Engineering	√		




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11	Microprocessor and Microcontroller	EC6504	106	Electronics and Communication Engineering	√		
12	Computer Architecture	CS6303	106	Electronics and Communication Engineering	√		
13	Computer Networks	CS6551	106	Electronics and Communication Engineering	√		√
14	VLSI Design	EC6601	106	Electronics and Communication Engineering	√		
15	Optical Communication and Networks	EC6702	106	Electronics and Communication Engineering	√		
16	Embedded and Real Time Systems	EC6703	106	Electronics and Communication Engineering	√		√
17	Project Work	EC6811	106	Electronics and Communication Engineering	√		

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2020-21

S.No	Name of the Course	Course Code	Program Code	Project Work	Field Work	Internship
1	Technical English	HS8251	105	√		
2	Physics for Electronics Engineering	PH8253	105	√		
3	Circuit Theory	EE8251	105	√		
4	Electrical Machines - I	EE8301	105	√		
5	Electron Devices and Circuits	EC8353	105	√		
6	Electrical Machines - II	EE8401	105	√		
7	Measurements and Instrumentation	EE8403	105	√		
8	Linear Integrated Circuits and Applications	EE8451	105	√		
9	Control Systems	IC8451	105	√		
10	Microprocessors and Microcontrollers	EE8551	105	√		
11	Power Electronics	EE8552	105	√		
12	Embedded Systems	EE8691	105	√		
13	Renewable Energy Systems	EE8703	105	√		

14	Special Electrical Machines	EE8005	105	√		
15	Project Work	EE8811	105	√		
16	Applied Mathematics for Electrical Engineers	MA5155	415	√		
17	Power Semiconductor Devices	PX5101	415	√		
18	Analysis and Design of Power Converters	PX5152	415	√		
19	Analysis and Design of Inverters	PX5201	415	√		
20	Power Quality	PX5252	415	√		


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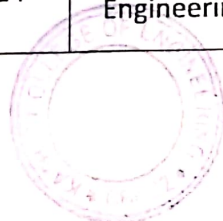
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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

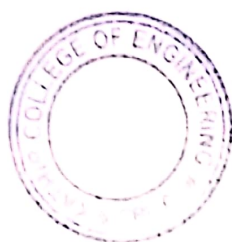
Academic year 2020-21

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Engineering Thermodynamics	ME8391	114	Mechanical Engineering	√		
2	Fluid Mechanics and Machinery	CE8394	114	Mechanical Engineering	√		
3	Manufacturing Technology - I	ME8351	114	Mechanical Engineering	√		
4	Manufacturing Technology – II	ME8451	114	Mechanical Engineering	√		
5	Strength of Materials for Mechanical Engineers	CE8395	114	Mechanical Engineering	√		
6	Thermal Engineering- I	ME8493	114	Mechanical Engineering	√		
7	Thermal Engineering- II	ME8595	114	Mechanical Engineering	√		
8	Metrology and Measurements	ME8501	114	Mechanical Engineering	√		
9	Computer Aided Design and Manufacturing	ME8691	114	Mechanical Engineering	√		
10	Heat and Mass Transfer	ME8693	114	Mechanical Engineering	√		
11	Finite Element Analysis	ME8692	114	Mechanical Engineering	√		
12	Process Planning and Cost Estimation	ME8793	114	Mechanical Engineering	√		



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13	Computer Integrated Manufacturing Systems	ME8094	114	Mechanical Engineering	√		
14	Robotics	OIE751	114	Mechanical Engineering	√		
15	Non Destructive Testing and Evaluation	ME8097	114	Mechanical Engineering	√		




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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2020-21

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Advanced in Manufacturing Technology	MF5101	410	Manufacturing Engineering	✓		
2	Advances in Casting and Welding	MF5103	410	Manufacturing Engineering	✓		
3	Metal Cutting Theory and Practice	MF5104	410	Manufacturing Engineering	✓		
4	Optimization Techniques in Manufacturing	MF5201	410	Manufacturing Engineering	✓		
5	Advances in Metrology and Inspection	CM5251	410	Manufacturing Engineering	✓		
6	Theory of Metal Forming	MF5202	410	Manufacturing Engineering	✓		
7	Tooling for Manufacturing	MF5203	410	Manufacturing Engineering	✓		
8	Automation and Metal Forming Laboratory	MF5211	410	Manufacturing Engineering	✓		
9	Materials Testing and Characterization Techniques	MF5016	410	Manufacturing Engineering	✓		
10	Materials Management	MF5006	410	Manufacturing Engineering	✓		
11	Lean Manufacturing	MF5071	410	Manufacturing Engineering	✓		




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Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2019-20

S. No.	Name of the course	Course code	Program code	Project work	Field work	Internship
1.	Construction Materials	CE6401	103	√		√
2.	Soil Mechanics	CE6405	103	√		
3.	Concrete Technology	CE6002	103	√		√
4.	Strength of Materials	CE6402	103	√		
5.	Design of Reinforced Concrete & Brick Masonry Structures	CE6601	103	√		
6.	Design of Reinforced Concrete Elements	CE6505	103	√		

8/2



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1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

Academic Year 2019-2020

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Fieldwork	Internship
1	Technical English – I	HS6151	104	B.E Computer Science and Engineering	✓		
2	Mathematics – I	MA6151	104	B.E Computer Science and Engineering	✓		
3	Technical English – II	HS6251	104	B.E Computer Science and Engineering	✓		
4	Mathematics – II	MA6251	104	B.E Computer Science and Engineering	✓		
5	Database Management Systems	CS6302	104	B.E Computer Science and Engineering	✓		
6	Computer Networks	CS6551	104	B.E Computer Science and Engineering	✓		
7	Microprocessor and Microcontroller	EC6504	104	B.E Computer Science and Engineering	✓		
8	Internet Programming	CS6501	104	B.E Computer Science and Engineering	✓		✓
9	Artificial Intelligence	CS6659	104	B.E Computer Science and Engineering	✓		
10	Data Warehousing and Data Mining	IT6702	104	B.E Computer Science and Engineering	✓		
11	Cryptography and Network Security	CS6701	104	B.E Computer Science and Engineering	✓		✓
12	Grid and Cloud Computing	CS6703	104	B.E Computer Science and Engineering	✓		
13	Digital Image Processing	IT6005	104	B.E Computer Science and Engineering	✓		
14	Human Computer Interaction	CS6008	104	B.E Computer Science and Engineering	✓		
15	Software Project Management	MG6088	104	B.E Computer Science and Engineering	✓		
16	Object Oriented Programming	CS8392	104	B.E Computer Science and Engineering	✓		

17	Artificial Intelligence	CS8691	104	B.E Computer Science and Engineering	✓		
18	Software Engineering	CS8494	104	B.E Computer Science and Engineering	✓		
19	Software Testing	IT8076	104	B.E Computer Science and Engineering	✓		
20	Mobile Computing	CS8601	104	B.E Computer Science and Engineering	✓		
21	Computer Networks	CS8591	104	B.E Computer Science and Engineering	✓		
22	Internet Programming	CS8651	104	B.E Computer Science and Engineering	✓		
23	Database Management Systems	CS8492	104	B.E Computer Science and Engineering	✓		
24	Data Structures	CS8391	104	B.E Computer Science and Engineering	✓		
25	Mobile and Pervasive Computing	CP5093	405	M.E Computer Science and Engineering	✓		
26	Security Practices	CP5291	405	M.E Computer Science and Engineering	✓		



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1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2019-20

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Technical English - I	HS6151	106	Electronics and Communication Engineering	√		
2	Engineering Physics - II	PH6251	106	Electronics and Communication Engineering	√		
3	Electronic Devices	EC6201	106	Electronics and Communication Engineering	√		
4	Environmental Science and Engineering	GE6351	106	Electronics and Communication Engineering	√		
5	Circuit Theory	EE6201	106	Electronics and Communication Engineering	√		
6	Digital Electronics	EC6302	106	Electronics and Communication Engineering	√		√
7	Electronic Circuits-I	EC6304	106	Electronics and Communication Engineering	√		
8	Communication Theory	EC6402	106	Electronics and Communication Engineering	√		
9	Linear Integrated Circuits	EC6404	106	Electronics and Communication Engineering	√		
10	Digital Communication	EC6501	106	Electronics and Communication Engineering	√		



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11	Microprocessor and Microcontroller	EC6504	106	Electronics and Communication Engineering	√		
12	Computer Architecture	CS6303	106	Electronics and Communication Engineering	√		
13	Computer Networks	CS6551	106	Electronics and Communication Engineering	√		√
14	VLSI Design	EC6601	106	Electronics and Communication Engineering	√		
15	Optical Communication and Networks	EC6702	106	Electronics and Communication Engineering	√		
16	Embedded and Real Time Systems	EC6703	106	Electronics and Communication Engineering	√		√
17	Project Work	EC6811	106	Electronics and Communication Engineering	√		

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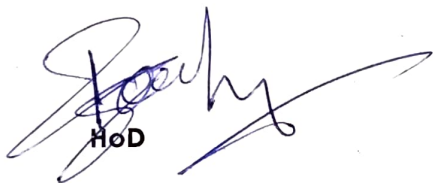
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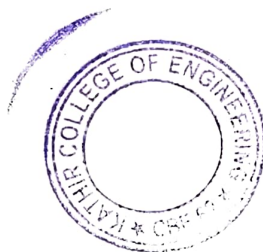
1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2019-20

S.No	Name of the Course	Course Code	Program Code	Project Work	Field Work	Internship
1	Technical English - I	HS6151	105	√		
2	Engineering Physics - II	PH6251	105	√		
3	Circuit Theory	EE6201	105	√		
4	Electronic Devices and Circuits	EC6202	105	√		
5	Linear Integrated Circuits and Applications	EE6303	105	√		
6	Measurements and Instrumentation	EE6404	105	√		
7	Electrical Machines - I	EE6401	105	√		
8	Microprocessors and Microcontrollers	EE6502	105	√		
9	Power Electronics	EE6503	105	√		
10	Control Systems	IC6501	105	√		
11	Electrical Machines - II	EE6504	105	√		
12	Communication Engineering	EC6651	105	√		
13	Embedded Systems	EE6602	105	√		
14	Special Electrical Machines	EE6703	105	√		

15	Microcontroller Based System Design	EE6008	105	√		
16	Power Electronics for Renewable Energy Systems	EE6009	105	√		
17	Project Work	EE8811	105	√		
18	Applied Mathematics for Electrical Engineers	MA5155	415	√		
19	Power Semiconductor Devices	PX5101	415	√		
20	Analysis and Design of Power Converters	PX5152	415	√		
21	Analysis and Design of Inverters	PX5201	415	√		
22	Power Quality	PX5252	415	√		


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Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2019-2020

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Engineering Thermodynamics	ME8391	114	Mechanical Engineering	√		
2	Fluid Mechanics and Machinery	CE8394	114	Mechanical Engineering	√		
3	Manufacturing Technology - I	ME8351	114	Mechanical Engineering	√		
4	Manufacturing Technology – II	ME8451	114	Mechanical Engineering	√		
5	Strength of Materials for Mechanical Engineers	CE8395	114	Mechanical Engineering	√		
6	Thermal Engineering- I	ME8493	114	Mechanical Engineering	√		
7	Thermal Engineering- II	ME8595	114	Mechanical Engineering	√		
8	Metrology and Measurements	ME8501	114	Mechanical Engineering	√		
9	Computer Aided Design and Manufacturing	ME8691	114	Mechanical Engineering	√		
10	Heat and Mass Transfer	ME8693	114	Mechanical Engineering	√		
11	Finite Element Analysis	ME8692	114	Mechanical Engineering	√		



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12	Computer Integrated Manufacturing Systems	ME6703	114	Mechanical Engineering	√		
13	Total Quality Management	GE6757	114	Mechanical Engineering	√		
14	Welding Technology	ME6008	114	Mechanical Engineering	√		
15	Production Planning and Control	IE6605	114	Mechanical Engineering	√		
16	Non Destructive Testing and Materials	ME6019	114	Mechanical Engineering	√		



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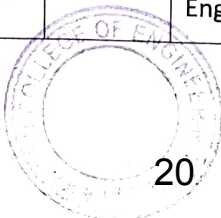
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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

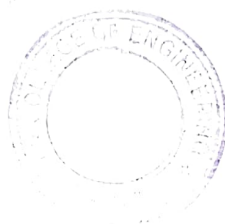
Academic year 2019-20

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Advanced in Manufacturing Technology	MF5101	410	Manufacturing Engineering	√		
2	Advances in Casting and Welding	MF5103	410	Manufacturing Engineering	√		
3	Metal Cutting Theory and Practice	MF5104	410	Manufacturing Engineering	√		
4	Optimization Techniques in Manufacturing	MF5201	410	Manufacturing Engineering	√		
5	Advances in Metrology and Inspection	CM5251	410	Manufacturing Engineering	√		
6	Theory of Metal Forming	MF5202	410	Manufacturing Engineering	√		
7	Tooling for Manufacturing	MF5203	410	Manufacturing Engineering	√		
8	Automation and Metal Forming Laboratory	MF5211	410	Manufacturing Engineering	√		
9	Materials Testing and Characterization Techniques	MF5016	410	Manufacturing Engineering	√		
10	Applied Probability and Statistics	MA5160	410	Manufacturing Engineering	√		
11	Lean Manufacturing	MF5071	410	Manufacturing Engineering	√		
12	Computer Aided Product Design	MF5012	410	Manufacturing Engineering	√		
13	Manufacturing Management	MF5014	410	Manufacturing Engineering	√		



14	Fluid Power Automation	MF5001	410	Manufacturing Engineering	√		
15	Non-Destructive Testing and Evaluation	MF5009	410	Manufacturing Engineering	√		

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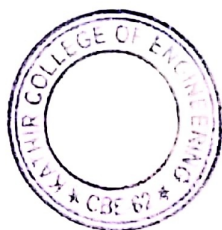
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Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2018-19

S. No.	Name of the course	Course code	Program code	Project work	Field work	Internship
1.	Construction Materials	CE6401	103	√		
2.	Concrete Technology	CE6002	103	√		
3.	Foundation Engineering	CE6502	103	√		
4.	Soil Mechanics	CE6405	103	√		
5.	Design of Reinforced Concrete & Brick Masonry Structures	CE6601	103	√		
6.	Design of Reinforced Concrete Elements	CE6505	103	√		




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Wisdom Tree, Neelambur, Avinashi Road, Coimbatore-62

Department of Computer Science and Engineering

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

Academic Year 2018-2019

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Fieldwork	Internship
1	Technical English – I	HS6151	104	B.E Computer Science and Engineering	✓		
2	Mathematics – I	MA6151	104	B.E Computer Science and Engineering	✓		
3	Technical English – II	HS6251	104	B.E Computer Science and Engineering	✓		
4	Mathematics – II	MA6251	104	B.E Computer Science and Engineering	✓		
5	Database Management Systems	CS6302	104	B.E Computer Science and Engineering	✓		
6	Computer Networks	CS6551	104	B.E Computer Science and Engineering	✓		
7	Microprocessor and Microcontroller	EC6504	104	B.E Computer Science and Engineering	✓		
8	Internet Programming	CS6501	104	B.E Computer Science and Engineering	✓		✓
9	Mobile Computing	IT6601	104	B.E Computer Science and Engineering	✓	✓	
10	Artificial Intelligence	CS6659	104	B.E Computer Science and Engineering	✓		
11	Data Warehousing and Data Mining	IT6702	104	B.E Computer Science and Engineering	✓		
12	Cryptography and Network Security	CS6701	104	B.E Computer Science and Engineering	✓		✓
13	Grid and Cloud Computing	CS6703	104	B.E Computer Science and Engineering	✓		
14	Digital Image Processing	IT6005	104	B.E Computer Science and Engineering	✓		
15	Human Computer Interaction	CS6008	104	B.E Computer Science and Engineering	✓		
16	Software Project Management	MG6088	104	B.E Computer Science and Engineering	✓		

17	Programming and Data Structure II	CS6301	104	B.E Computer Science and Engineering	✓		
18	Software Engineering	CS6403	104	B.E Computer Science and Engineering	✓		
19	Object Oriented Programming	CS8392	104	B.E Computer Science and Engineering	✓		
20	Problem Solving and Python Programming	GE8151	104	B.E Computer Science and Engineering	✓		
21	Artificial Intelligence	CS8691	104	B.E Computer Science and Engineering	✓		
22	Software Engineering	CS8494	104	B.E Computer Science and Engineering	✓		
23	Software Testing	IT8076	104	B.E Computer Science and Engineering	✓		
24	Mobile Computing	CS8601	104	B.E Computer Science and Engineering	✓		
25	Computer Networks	CS8591	104	B.E Computer Science and Engineering	✓		
26	Bg Data Analytics	CP5293	405	M.E Computer Science and Engineering	✓		
27	Image Processing and Analysis	CP5071	405	M.E Computer Science and Engineering	✓		



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2018-19

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Technical English - I	HS6151	106	Electronics and Communication Engineering	√		
2	Engineering Physics - II	PH6251	106	Electronics and Communication Engineering	√		
3	Electronic Devices	EC6201	106	Electronics and Communication Engineering	√		
4	Environmental Science and Engineering	GE6351	106	Electronics and Communication Engineering	√		
5	Circuit Theory	EE6201	106	Electronics and Communication Engineering	√		
6	Digital Electronics	EC6302	106	Electronics and Communication Engineering	√		√
7	Electronic Circuits-I	EC6304	106	Electronics and Communication Engineering	√		
8	Communication Theory	EC6402	106	Electronics and Communication Engineering	√		
9	Linear Integrated Circuits	EC6404	106	Electronics and Communication Engineering	√		
10	Digital Communication	EC6501	106	Electronics and Communication Engineering	√		

11	Microprocessor and Microcontroller	EC6504	106	Electronics and Communication Engineering	√		
12	Computer Architecture	CS6303	106	Electronics and Communication Engineering	√		
13	Computer Networks	CS6551	106	Electronics and Communication Engineering	√		√
14	VLSI Design	EC6601	106	Electronics and Communication Engineering	√		
15	Optical Communication and Networks	EC6702	106	Electronics and Communication Engineering	√		
16	Embedded and Real Time Systems	EC6703	106	Electronics and Communication Engineering	√		√
17	Project Work	EC6811	106	Electronics and Communication Engineering	√		




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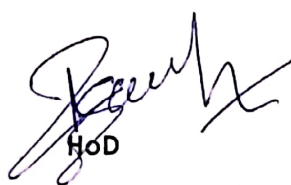
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year


ACADEMIC YEAR 2018-19

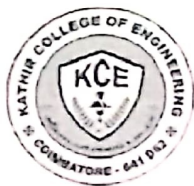
S.No	Name of the Course	Course Code	Program Code	Project Work	Field Work	Internship
1	Technical English - I	HS6151	105	√		
2	Engineering Physics - II	PH6251	105	√		
3	Circuit Theory	EE6201	105	√		
4	Electronic Devices and Circuits	EC6202	105	√		
5	Linear Integrated Circuits and Applications	EE6303	105	√		
6	Measurements and Instrumentation	EE6404	105	√		
7	Electrical Machines - I	EE6401	105	√		
8	Microprocessors and Microcontrollers	EE6502	105	√		
9	Power Electronics	EE6503	105	√		
10	Control Systems	IC6501	105	√		
11	Electrical Machines - II	EE6504	105	√		
12	Communication Engineering	EC6651	105	√		
13	Embedded Systems	EE6602	105	√		
14	Special Electrical Machines	EE6703	105	√		
15	Microcontroller Based System Design	EE6008	105	√		
16	Biomedical Instrumentation	EE6704	105	√		

17	Protection and Switchgear	EE6702	105	√		
18	Project Work	EE6811	105	√		
19	Applied Mathematics for Electrical Engineers	MA5155	415	√		
20	Power Semiconductor Devices	PX5101	415	√		
21	Analysis of Electrical Machines	PX5151	415	√		
22	Analysis and Design of Power Converters	PX5152	415	√		
23	Analysis and Design of Inverters	PX5201	415	√		
24	Solid State Drives	PX5202	415	√		
25	Special Electrical Machines	PX5251	415	√		
26	Power Quality	PX5252	415	√		
27	Distributed Generation and Microgrid	PS5071	415	√		


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DEPARTMENT OF MECHANICAL ENGINEERING

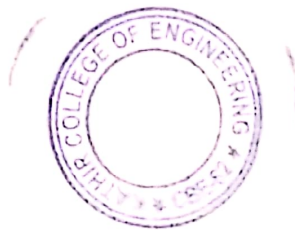
Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2018-2019

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Engineering Thermodynamics	ME8391	114	Mechanical Engineering	√		
2	Fluid Mechanics and Machinery	CE8394	114	Mechanical Engineering	√		
3	Manufacturing Technology - I	ME8351	114	Mechanical Engineering	√		
4	Manufacturing Technology – II	ME8451	114	Mechanical Engineering	√		
5	Strength of Materials for Mechanical Engineers	CE8395	114	Mechanical Engineering	√		
6	Thermal Engineering- I	ME8493	114	Mechanical Engineering	√		
7	Computer Aided Design	ME6501	114	Mechanical Engineering	√		
8	Heat and Mass Transfer	ME6502	114	Mechanical Engineering	√		
9	Design of Machine Elements	ME6503	114	Mechanical Engineering	√		
10	Design of Transmission Systems	ME6503	114	Mechanical Engineering	√		
11	Metrology and Measurements	ME6504	114	Mechanical Engineering	√		

12	Automobile Engineering	ME6602	114	Mechanical Engineering	√		
13	Finite Element Analysis	ME6603	114	Mechanical Engineering	√		
14	Computer Integrated Manufacturing Systems	ME6703	114	Mechanical Engineering	√		
15	Total Quality Management	ME6703	114	Mechanical Engineering	√		
16	Welding Technology	GE6757	114	Mechanical Engineering	√		
17	Production Planning and Control	IE6605	114	Mechanical Engineering	√		
18	Non Destructive Testing and Materials	ME6019	114	Mechanical Engineering	√		


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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2018-19

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Advanced in Manufacturing Technology	MF5101	410	Manufacturing Engineering	√		
2	Advances in Casting and Welding	MF5103	410	Manufacturing Engineering	√		
3	Metal Cutting Theory and Practice	MF5104	410	Manufacturing Engineering	√		
4	Optimization Techniques in Manufacturing	MF5201	410	Manufacturing Engineering	√		
5	Advances in Metrology and Inspection	CM5251	410	Manufacturing Engineering	√		
6	Theory of Metal Forming	MF5202	410	Manufacturing Engineering	√		
7	Tooling for Manufacturing	MF5203	410	Manufacturing Engineering	√		
8	Automation and Metal Forming Laboratory	MF5211	410	Manufacturing Engineering	√		
9	Computer Aided Product Design	MF5012	410	Manufacturing Engineering	√		
10	Manufacturing Management	MF5014	410	Manufacturing Engineering	√		
11	Lean Manufacturing	MF5071	410	Manufacturing Engineering	√		
12	Non-Destructive Testing and Evaluation	MF5009	410	Manufacturing Engineering	√		
13	Applied Probability and Statistics	MA5160	410	Manufacturing Engineering	√		
14	Fluid Power Automation	MF5001	410	Manufacturing Engineering	√		



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DEPARTMENT OF CIVIL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2017-18

S. No.	Name of the course	Course code	Program code	Project work	Field work	Internship
1.	Construction Materials	CE6401	103	√		
2.	Soil Mechanics	CE6405	103	√		
3.	Concrete Technology	CE6002	103	√		
4.	Foundation Engineering	CE6502	103	√		
5.	Environmental Engineering I	CE6503	103	√		
6.	Environmental Engineering II	CE6605	103	√		



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Department of Computer Science and Engineering

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

Academic Year 2017-2018

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Fieldwork	Internship
1	Technical English – I	HS6151	104	B.E Computer Science and Engineering	✓		
2	Mathematics – I	MA6151	104	B.E Computer Science and Engineering	✓		
3	Technical English – II	HS6251	104	B.E Computer Science and Engineering	✓		
4	Mathematics – II	MA6251	104	B.E Computer Science and Engineering	✓		
5	Database Management Systems	CS6302	104	B.E Computer Science and Engineering	✓		
6	Computer Networks	CS6551	104	B.E Computer Science and Engineering	✓		
7	Microprocessor and Microcontroller	EC6504	104	B.E Computer Science and Engineering	✓		
8	Internet Programming	CS6501	104	B.E Computer Science and Engineering	✓		✓
9	Mobile Computing	IT6601	104	B.E Computer Science and Engineering	✓	✓	
10	Artificial Intelligence	CS6659	104	B.E Computer Science and Engineering	✓		
11	Data Warehousing and Data Mining	IT6702	104	B.E Computer Science and Engineering	✓		
12	Cryptography and Network Security	CS6701	104	B.E Computer Science and Engineering	✓		✓
13	Grid and Cloud Computing	CS6703	104	B.E Computer Science and Engineering	✓		
14	Digital Image Processing	IT6005	104	B.E Computer Science and Engineering	✓		
15	Human Computer Interaction	CS6008	104	B.E Computer Science and Engineering	✓		
16	Software Project Management	MG6088	104	B.E Computer Science and Engineering	✓		

17	Programming and Data Structure II	CS6301	104	B.E Computer Science and Engineering	✓		
18	Software Engineering	CS6403	104	B.E Computer Science and Engineering	✓		
19	Image Processing and Analysis	CP7004	405	M.E Computer Science and Engineering	✓		
20	Advanced Databases	CP7202	405	M.E Computer Science and Engineering	✓		
21	Cloud Computing	IF7202	405	M.E Computer Science and Engineering	✓		
22	Network and Information Security	NE8202	405	M.E Computer Science and Engineering	✓		
23	Software Process and Project Management	CP7301	405	M.E Computer Science and Engineering	✓		



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2017-18

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Technical English - I	HS6151	106	Electronics and Communication Engineering	√		
2	Engineering Physics - II	PH6251	106	Electronics and Communication Engineering	√		
3	Electronic Devices	EC6201	106	Electronics and Communication Engineering	√		
4	Environmental Science and Engineering	GE6351	106	Electronics and Communication Engineering	√		
5	Circuit Theory	EE6201	106	Electronics and Communication Engineering	√		
6	Digital Electronics	EC6302	106	Electronics and Communication Engineering	√		√
7	Electronic Circuits-I	EC6304	106	Electronics and Communication Engineering	√		
8	Communication Theory	EC6402	106	Electronics and Communication Engineering	√		
9	Linear Integrated Circuits	EC6404	106	Electronics and Communication Engineering	√		
10	Digital Communication	EC6501	106	Electronics and Communication Engineering	√		

11	Microprocessor and Microcontroller	EC6504	106	Electronics and Communication Engineering	√		
12	Computer Architecture	CS6303	106	Electronics and Communication Engineering	√		
13	Computer Networks	CS6551	106	Electronics and Communication Engineering	√		√
14	VLSI Design	EC6601	106	Electronics and Communication Engineering	√		
15	Optical Communication and Networks	EC6702	106	Electronics and Communication Engineering	√		
16	Embedded and Real Time Systems	EC6703	106	Electronics and Communication Engineering	√		√
17	Project Work	EC6811	106	Electronics and Communication Engineering	√		



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2017-18

S.No	Name of the Course	Course Code	Program Code	Project Work	Field Work	Internship
1	Technical English - I	HS6151	105	√		
2	Engineering Physics - II	PH6251	105	√		
3	Circuit Theory	EE6201	105	√		
4	Environmental Science and Engineering	GE6351	105	√		
5	Electronic Devices and Circuits	EC6202	105	√		
6	Linear Integrated Circuits and Applications	EE6303	105	√		
7	Measurements and Instrumentation	EE6404	105	√		
8	Electrical Machines - I	EE6401	105	√		
9	Microprocessors and Microcontrollers	EE6502	105	√		
10	Power Electronics	EE6503	105	√		
11	Control Systems	IC6501	105	√		
12	Electrical Machines - II	EE6504	105	√		
13	Communication Engineering	EC6651	105	√		
14	Embedded Systems	EE6602	105	√		
15	Special Electrical Machines	EE6703	105	√		
16	Microcontroller Based System Design	EE6008	105	√		
17	Project Work	EE6811	105	√		
18	Applied Mathematics for Electrical Engineers	MA7163	415	√		
19	Analysis of Power Converters	PX7102	415	√		

20	Analysis and Design of Inverters	PX7103	415	√		
21	Advanced Power Semiconductor Devices	PX7104	415	√		
22	Special Electrical Machines	PX7203	415	√		
23	Power Quality	PX7204	415	√		
24	Project work (Phase I)	PX7311	415	√		
25	Project work (Phase II)	PX7411	415	√		


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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2017-2018

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Engineering Thermodynamics	ME6301	114	Mechanical Engineering	√		
2	Fluid Mechanics and Machinery	CE6451	114	Mechanical Engineering	√		
3	Manufacturing Technology -I	ME6302	114	Mechanical Engineering	√		
4	Manufacturing Technology- II	ME6402	114	Mechanical Engineering	√		
5	Strength of Materials	CE6306	114	Mechanical Engineering	√		
6	Thermal Engineering	ME6404	114	Mechanical Engineering	√		
7	Computer Aided Design	ME6501	114	Mechanical Engineering	√		
8	Heat and Mass Transfer	ME6502	114	Mechanical Engineering	√		
9	Design of Machine Elements	ME6503	114	Mechanical Engineering	√		
10	Design of Transmission Systems	ME6503	114	Mechanical Engineering	√		
11	Metrology and Measurements	ME6504	114	Mechanical Engineering	√		
12	Automobile Engineering	ME6602	114	Mechanical Engineering	√		

13	Finite Element Analysis	ME6603	114	Mechanical Engineering	√		
14	Computer Integrated Manufacturing Systems	ME6703	114	Mechanical Engineering	√		
15	Total Quality Management	ME6703	114	Mechanical Engineering	√		
16	Welding Technology	GE6757	114	Mechanical Engineering	√		
17	Production Planning and Control	IE6605	114	Mechanical Engineering	√		
18	Non Destructive Testing and Materials	ME6019	114	Mechanical Engineering	√		



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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

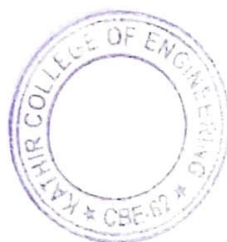
Academic year 2017-18

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Applied Probability and Statistics	MA7165	410	Manufacturing Engineering	√		
2	Advanced Materials Technology	MF7101	410	Manufacturing Engineering	√		
3	Automated Computer Integrated Manufacturing Systems	MF7102	410	Manufacturing Engineering	√		
4	Micro Manufacturing	MF7103	410	Manufacturing Engineering	√		
5	Robot Design and Programming	MF7104	410	Manufacturing Engineering	√		
6	CAD/CAM Laboratory	MF7111	410	Manufacturing Engineering	√		
7	Optimization Techniques in Manufacturing	MF7201	410	Manufacturing Engineering	√		
8	Manufacturing Metrology and Quality Engineering	MF7202	410	Manufacturing Engineering	√		
9	Theory of Metal Forming	MF7203	410	Manufacturing Engineering	√		
10	MEMS and Nanotechnology	MF7204	410	Manufacturing Engineering	√		
11	Automation and Metal Forming Laboratory	MF7211	410	Manufacturing Engineering	√		
12	Computer Aided Product Design	MF7012	410	Manufacturing Engineering	√		
13	Research Methodology	MF7015	410	Manufacturing Engineering	√		
14	Materials Testing and Characterization Techniques	MF7017	410	Manufacturing Engineering	√		

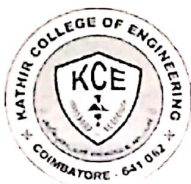
15	Fluid Power Automation	MF5001	410	Manufacturing Engineering	√		
16	MEMS and Nanotechnology	MF5011	410	Manufacturing Engineering	√		
17	Lean Manufacturing	MF5071	410	Manufacturing Engineering	√		

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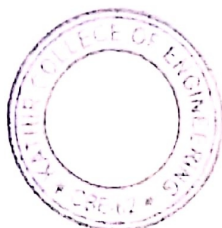
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DEPARTMENT OF CIVIL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2016-17

S. No.	Name of the course	Course code	Program code	Project work	Field work	Internship
1.	Construction Materials	CE6401	103	√		
2.	Concrete Technology	CE6002	103	√		
3.	Estimation and Quantity Surveying	CE6704	103	√		
4.	Environmental Engineering II	CE6605	103	√		
5.	Soil Mechanics	CE6405	103	√		
6.	Design of Steel Structures	CE6603	103	√		



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1.3.2 Number of courses that include experiential learning through project work/field work/Internship during the year

Academic Year 2016-2017

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Fieldwork	Internship
1	Technical English – I	HS6151	104	B.E Computer Science and Engineering	✓		
2	Mathematics – I	MA6151	104	B.E Computer Science and Engineering	✓		
3	Technical English – II	HS6251	104	B.E Computer Science and Engineering	✓		
4	Mathematics – II	MA6251	104	B.E Computer Science and Engineering	✓		
5	Database Management Systems	CS6302	104	B.E Computer Science and Engineering	✓		
6	Computer Networks	CS6551	104	B.E Computer Science and Engineering	✓		
7	Microprocessor and Microcontroller	EC6504	104	B.E Computer Science and Engineering	✓		
8	Internet Programming	CS6501	104	B.E Computer Science and Engineering	✓		✓
9	Computer Graphics	CS6504	104	B.E Computer Science and Engineering	✓		
10	Mobile Computing	IT6601	104	B.E Computer Science and Engineering	✓	✓	
11	Data Warehousing and Data Mining	IT6702	104	B.E Computer Science and Engineering	✓		
12	Cryptography and Network Security	CS6701	104	B.E Computer Science and Engineering	✓		✓
13	Grid and Cloud Computing	CS6703	104	B.E Computer Science and Engineering	✓		
14	Resource Management Techniques	CS6704	104	B.E Computer Science and Engineering	✓		
15	Service Oriented Architecture	IT6801	104	B.E Computer Science and Engineering	✓		
16	Digital Image Processing	IT6005	104	B.E Computer Science and Engineering	✓		



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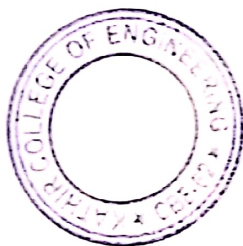
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2016-17

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Technical English - I	HS6151	106	Electronics and Communication Engineering	√		
2	Engineering Physics - II	PH6251	106	Electronics and Communication Engineering	√		
3	Electronic Devices	EC6201	106	Electronics and Communication Engineering	√		
4	Environmental Science and Engineering	GE6351	106	Electronics and Communication Engineering	√		
5	Circuit Theory	EE6201	106	Electronics and Communication Engineering	√		
6	Digital Electronics	EC6302	106	Electronics and Communication Engineering	√		√
7	Electronic Circuits-I	EC6304	106	Electronics and Communication Engineering	√		
8	Communication Theory	EC6402	106	Electronics and Communication Engineering	√		
9	Linear Integrated Circuits	EC6404	106	Electronics and Communication Engineering	√		
10	Digital Communication	EC6501	106	Electronics and Communication Engineering	√		

11	Microprocessor and Microcontroller	EC6504	106	Electronics and Communication Engineering	√		
12	Computer Architecture	CS6303	106	Electronics and Communication Engineering	√		
13	Computer Networks	CS6551	106	Electronics and Communication Engineering	√		√
14	VLSI Design	EC6601	106	Electronics and Communication Engineering	√		
15	Optical Communication and Networks	EC6702	106	Electronics and Communication Engineering	√		
16	Embedded and Real Time Systems	EC6703	106	Electronics and Communication Engineering	√		√
17	Project Work	EC6811	106	Electronics and Communication Engineering	√		



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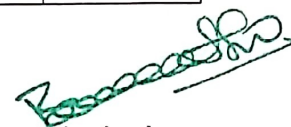
1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

ACADEMIC YEAR 2016-17

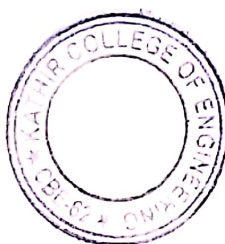
S.No	Name of the Course	Course Code	Program Code	Project Work	Field Work	Internship
1	Technical English - I	HS6151	105	√		
2	Engineering Physics - II	PH6251	105	√		
3	Circuit Theory	EE6201	105	√		
4	Environmental Science and Engineering	GE6351	105	√		
5	Electronic Devices and Circuits	EC6202	105	√		
6	Linear Integrated Circuits and Applications	EE6303	105	√		
7	Measurements and Instrumentation	EE6404	105	√		
8	Electrical Machines - I	EE6401	105	√		
9	Microprocessors and Microcontrollers	EE6502	105	√		
10	Power Electronics	EE6503	105	√		
11	Control Systems	IC6501	105	√		
12	Electrical Machines - II	EE6504	105	√		
13	Communication Engineering	EC6651	105	√		
14	Embedded Systems	EE6602	105	√		
15	Special Electrical Machines	EE6703	105	√		
16	Microcontroller Based System Design	EE6008	105	√		
17	Project Work	EE6811	105	√		
18	Applied Mathematics for Electrical Engineers	MA7163	415	√		
19	Analysis of Power Converters	PX7102	415	√		
20	Analysis and Design of Inverters	PX7103	415	√		
21	Advanced Power Semiconductor Devices	PX7104	415	√		

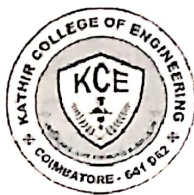
22	Special Electrical Machines	PX7203	415	√		
23	Power Quality	PX7204	415	√		
24	Project work (Phase I)	PX7311	415	√		
25	Project work (Phase II)	PX7411	415	√		


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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2016-2017

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Engineering Thermodynamics	ME6301	114	Mechanical Engineering	√		
2	Fluid Mechanics and Machinery	CE6451	114	Mechanical Engineering	√		
3	Manufacturing Technology -I	ME6302	114	Mechanical Engineering	√		
4	Manufacturing Technology- II	ME6402	114	Mechanical Engineering	√		
5	Strength of Materials	CE6306	114	Mechanical Engineering	√		
6	Thermal Engineering	ME6404	114	Mechanical Engineering	√		
7	Computer Aided Design	ME6501	114	Mechanical Engineering	√		
8	Heat and Mass Transfer	ME6502	114	Mechanical Engineering	√		
9	Design of Machine Elements	ME6503	114	Mechanical Engineering	√		
10	Design of Transmission Systems	ME6503	114	Mechanical Engineering	√		
11	Metrology and Measurements	ME6504	114	Mechanical Engineering	√		
12	Automobile Engineering	ME6602	114	Mechanical Engineering	√		

13	Finite Element Analysis	ME6603	114	Mechanical Engineering	√		
14	Computer Integrated Manufacturing Systems	ME6703	114	Mechanical Engineering	√		
15	Total Quality Management	ME6703	114	Mechanical Engineering	√		
16	Welding Technology	GE6757	114	Mechanical Engineering	√		
17	Production Planning and Control	IE6605	114	Mechanical Engineering	√		
18	Non Destructive Testing and Materials	ME6019	114	Mechanical Engineering	√		


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DEPARTMENT OF MECHANICAL ENGINEERING

Number of courses that include experiential learning through project work/field work/internship during the year

Academic year 2016-17

S.No	Name of the Course	Course Code	Program Code	Program Offering	Project Work	Field Work	Internship
1	Applied Probability and Statistics	MA7165	410	Manufacturing Engineering	√		
2	Advanced Materials Technology	MF7101	410	Manufacturing Engineering	√		
3	Automated Computer Integrated Manufacturing Systems	MF7102	410	Manufacturing Engineering	√		
4	Micro Manufacturing	MF7103	410	Manufacturing Engineering	√		
5	Optimization Techniques in Manufacturing	MF7201	410	Manufacturing Engineering	√		
6	Manufacturing Metrology and Quality Engineering	MF7202	410	Manufacturing Engineering	√		
7	Theory of Metal Forming	MF7203	410	Manufacturing Engineering	√		
8	MEMS and Nanotechnology	MF7204	410	Manufacturing Engineering	√		
9	Automation and Metal Forming Laboratory	MF7211	410	Manufacturing Engineering	√		
10	Materials Testing and Characterization Techniques	MF7017	410	Manufacturing Engineering	√		
11	Non-Destructive Evaluation	MF7009	410	Manufacturing Engineering	√		
12	Lean Manufacturing	MF5071	410	Manufacturing Engineering	√		

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