Dhanekula Institute of Engineering & Technology

(Approved by AICTE New Delhi Affiliated to JNTU Kakinada)

An ISO 9001 - 2008 Certified Institution

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E-mail : diet.principal@gmail.com, diet2009@rediffmail.com, website : www.diet.ac.in

COLLEGE ACADEMIC COUNCIL - MINUTES OF MEETING

Venue: Principal's Room

Date:01-06-2016
Time: 10.00 AM

Agenda:

1. Finalization of academic process calendar for I, II, III &IV Year B.Tech I semester, academic Year 2016-17
2. Establish the process of attainment of PO's for all courses.
3. Review and finalization of Skill Development Programs / certification courses / workshops / Guest lectures / Resources by Adjunct Faculty / value added courses etc. for the academic year 2016-17.

Members Present: Signature

1.	Dr. Kadiyala Ravi	
2.	Dr. P Siva Prasad	
3.	Mr. I Sai Ram	
4.	Mr. O Srikanth	
5.	Dr. G L Madhumathi	
6.	Dr. B Srinivasa Rao	
7.	Dr. B V S N Hari Prasad	
8.	Mr. J Surendra	
9.	Mr. N Ashok	
10.	Mr. ChRenuSekhar	

Proceedings:

1. Examinations incharge has presented the academic calendar for the above mentioned semesters for approval.
2. Drafts proposed by various departments towards attainment of PO's has been discussed. As the attainment of POs were through courses, Hence attainment procedure for the attainment of courses and POs has been discussed and finalized.
3. First Semester results were announced and the faculty may be requested to identify the attainment of their course and present to assessment committee of the departments for review.
4. As R16 regulation has been initiated for the current academic year as proposed by JNTUK, Head of the departments has presented list of new courses and additional courses to be handled for the academic year 2016-17.

Resolutions:

1. Academic process calendar for I, II, III & IV Year B.Tech I semester, academic Year 2016-17 has been finalized and approved copy is signed by the principal for circulation to all the departments and copy to website.
2. Below mentioned course assessment process and Course Assessment Methods weightage and Frequency of Data Collection was finalized and concluded for implimenation.
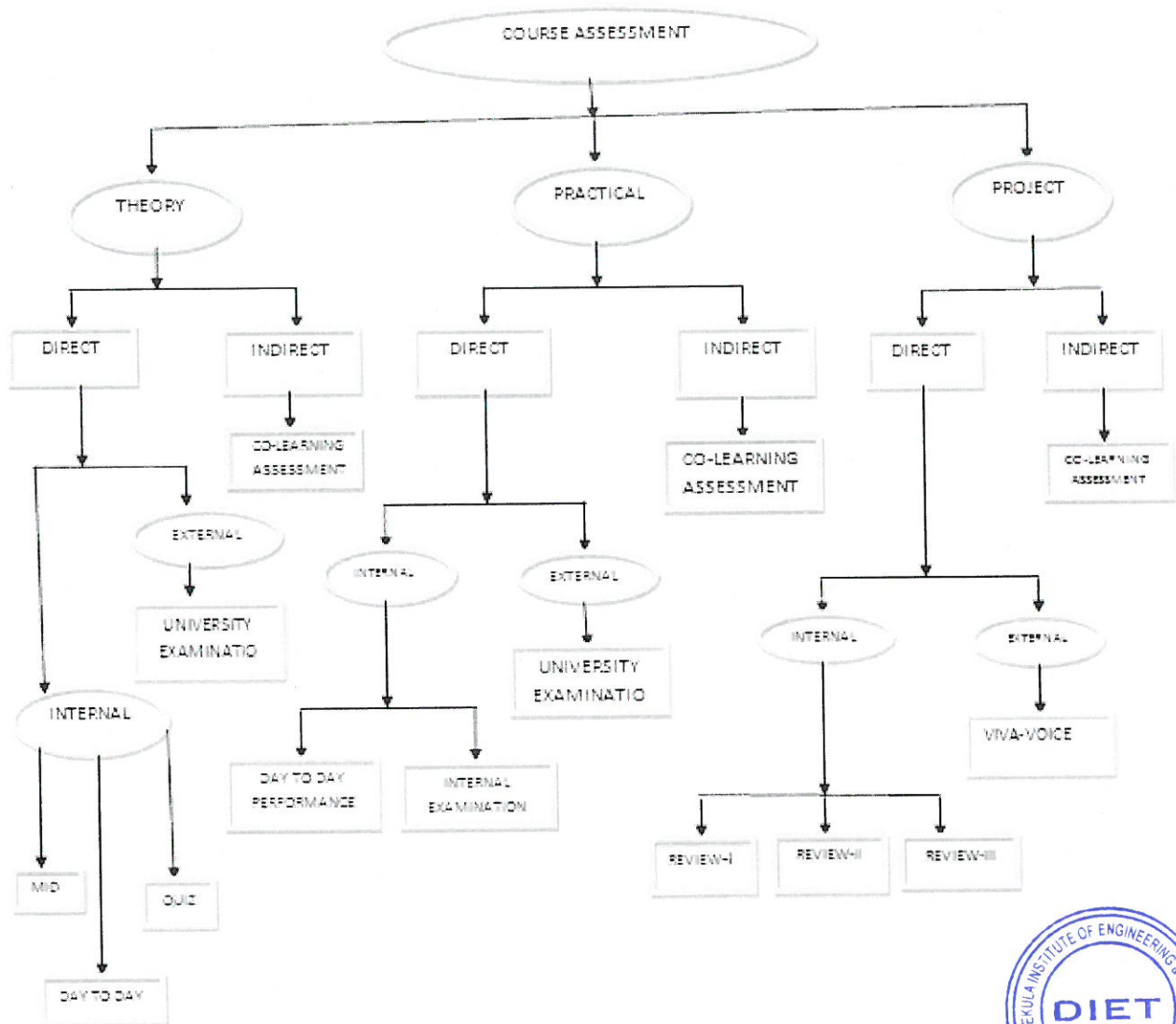
Fig Course Assessment Process

a) Course Assessment Process:

Each course is evaluated by the assessment of course outcomes by direct and indirect assessment tools which are predefined. Direct assessment is carried out by Internal and external assessment and indirect assessment is carried out by the course end survey (CO learning assessment). Schedule of direct assessments is prepared by the course coordinator while meeting the requirements of JNTUK regulations.

b) Assessment of theory courses:

Direct Assessment: Direct assessment of theory courses is carried out by Internal and External assessment of each defined outcome of a course. Internal assessment

by Day to Day Evaluation, MID Examinations, Quiz Examinations and External Assessment by End Examination.

Internal Assessment:

i) Day to Day assessments: Is a means of enhancing the learning process of the students on regular basis, which is done by conduct of at least one class test and any other direct assessment tools (assignments ,Quiz, Surprise test objective exams)etc as desired by the course coordinator after attending the teaching – learning process of particular course outcome.

ii) MID Examinations: Descriptive examinations are conducted as per the JNTUK schedule by the course coordinator for one and half an hour without choice. Two such examinations are conducted for a course covering all the course outcomes of the course.

iii) Quiz Examination: Objective exam for twenty minutes with twenty questions is conducted twice for a course with the question bank received from JNTUK on the day of exam as scheduled by JNTUK.

External Assessment:

iv) Semester end comprehensive examination is conducted by JNTUK for three hours.

Indirect Assessment:

v) Indirect assessment of theory course is carried out by conducting survey on course learning outcomes with the students at the end of the semester.

c) Assessment of Practical Courses:

Assessment of practical courses is carried out based on day to day performance, Internal and external examination and CO learning assessment.

i) Day to Day Evaluation: Practical courses focuses on application/applying the theories learnt in the class. Day to Day performance of the student is assessed by the evaluation of experimentation results, reports presented through lab records and vivo voce conducted after the completion of experimentation.

ii) Internal Examination: Almost at the end of the semester after completion of all the experiments an internal examination for three hours will be conducted by the course coordinator to assess the skills acquired by the student through theory classes and the practical sessions held.

iii) End Examination: Three hours exam conducted in the institution as per the schedule of JNTUK at a presence of an external examiner. The performance of the student in conducting the given experiment is

evaluated by the external examiner along with vivo voce conducted at the end of experimentation to understand the correlation of the experimentation and the level of knowledge acquired by the student.

iv) CO learning Assessment (Indirect): Is carried by conducting survey on course learning outcomes with the students at the end of the semester.

d) Project:

Project works indulge students to improve their innovative and intellectual capabilities. Hence every effort is made to involve them in real time work by conducting frequent internal reviews by the project committee. Assessment is taken up through direct and indirect assessments.

Direct Assessment for project: It includes internal assessment which is carried by reviews and an external assessment which is carried by viva-voce.

i) Internal Assessment: Internal assessment is done by conducting four internal reviews namely Zeroth Review, First Review, Second Review and Third Review.

Zeroth Review: Student presents abstract and also mapping with the program outcomes which will be thoroughly reviewed and finalized by the project committee .

First Review: Students are instructed to make a PowerPoint presentation on the project giving an overview of the Model development and work progress (Evaluation phase I by a team of faculty).

Second Review: Students are instructed to submit Design/Experimental document of the project and give a PowerPoint presentation with Conclusion. (Evaluation phase II by a team of faculty).

Third Review: Students are instructed to submit complete project report and PowerPoint presentation for the project.

ii) External Evaluation: External evaluation is done by the assessment of project report, presentation of project and Vivo-voce conducted by the external examiner deputed by JNTUK along with Head of the Department and guide as per the schedules.

iii) Indirect Assessment: It is carried by conducting survey on course learning outcomes from the students after completion of their project course.

e) Details of Assessment tools and frequency

Course	Description	Assessment type			Frequency	Evaluation done by
Theory (Direct) (80%)	Major learning of engineering fundamentals happens through theory courses which have desired outcomes and Continuous assessment of course outcomes drives students towards enthusiastic learning and thus improves the teaching – learning process.	Internal Assessment	Day to Day Assessments	Left to course coordinator	Minimum one for each outcome	Course coordinator
			MID-I, MID-II	Descriptive type	Twice for course mid and end of semester	Course coordinator
			Quiz-I, Quiz-II	Objective type	Twice for course mid and end of semester	JNTUK
		External Assessment	Course End /University Examination	Descriptive type	Once in a semester at the end	JNTUK
Theory (Indirect)		CO learning Assessment	Course end survey on outcomes		Once in a semester at the end	Course coordinator
Practical (Direct)	Provide students with firsthand experience with course concepts and with the opportunity to explore methods used in their discipline.	Internal Assessment	Experimentation, viva, Record		For every experiment	Course coordinator
			Internal exam		After completion of all experiments	Course coordinator
		External Assessment	Course End /University Examination		Once in a semester at the end	University appointed external
Practical (Indirect)		CO learning Assessment	Course end survey on outcomes		Once in a semester at the end	Course coordinator
Project (direct)	Enhance student learning goals, including standards based content and skills such as critical	Internal Assessment	Zero[th] Review	For title and abstract finalization	Once per course during the semester	Project evaluation committee
			First Review			
			Second Review			
			Third review			
		External Assessment	Viva Voice		Once in a semester at the end	University appointed external
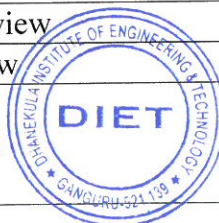
Project (Indirect)	thinking/problem solving, collaboration and self-management	CO learning Assessment	Course end survey on outcomes	Once in a semester at the end	Course coordinator

**Attainment of Course Outcomes of all courses with respect to set attainment levels**

Course outcome attainment is measured from the assessments as described above mentioned with weight ages below.

Different assessment tools and their contributing weight ages toward attainment

Course	Assessment type			Weight age assigned	Scaled weight age			
Theory(Direct)	Internal	Each course outcome	Day to Day	20%			30%	80%
			MID	80%	90%			
		QUIZ		100	10%			
		Total Outcome weight age			**100%**			
	External			100%	70%			
Theory(Indirect)	Co learning Assessment			100%				20%
Practical(Direct)	Internal	Each course outcome	Day to Day	100%	20%	30%		80%
		Internal exam		100%	10%			
	External			100%	70%			
Practical(Indirect)	Co learning Assessment			100%				20%
Project (Direct)	Internal	Each course outcome	Review wise	100%	30%			80%
	External			100%	70%			
Project (Indirect)	Co learning Assessment			100%				20%

Attainment levels for Course outcomes

Assessment		Attainment
Internal	**External**	
50% or less number of students scoring more than X_1% marks in internal assessment tools	50% or less number of students scoring more than X_2% marks in external assessment tools	1
51% to 69% of students scoring more than X_1% marks in internal assessment tools	51% to 69% of students scoring more than X_2%marks in external assessment tools	2
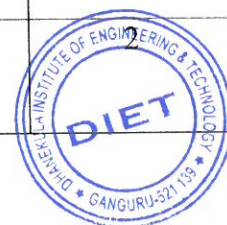
70% & above number of students scoring more than X_1 % marks in internal assessment tools	70% & above number of students scoring more than X_2% marks in external assessment tools	3

<center>**Table Attainment levels for assessments**</center>

Set percentage of marks for   Internal Assessments(X_1) =55%
Set percentage of marks for External Assessments (X_2) =45%

3. PO ASSESSMENT&ATTAINMENT

POs having more than 50% Courses contribution

SNO	Assessment Method	Assessment	Contribution weight age	
1	Direct	CO Assessment through courses	80%	80%
2	Indirect	Exit Feedback	5%	20%
		Alumni feedback	5%	
		Employer/Industry/Internship Feedback	5%	
		Parent Feedback	5%	

POs having less than 50% Courses contribution

SNO	Assessment method	Assessment	Contribution weight age	
1	Direct	CO Assessment through courses	60%	80%
		Activities	20%	
2	Indirect	Exit Feedback	5%	20%
		Alumni feedback	5%	
		Employee/Industry/Internship Feedback	5%	
		Parent Feedback	5%	

4. New courses added for the academic year 2016-17 along with the availability of the resources were thoroughly discussed and approved as per the list enclosed.
5. Skill development and value added courses as proposed by the Head of the Departments were finalized to offer in the current academic year mostly during the working hours.

Chairman
College Academic Council
Principal
Dhanekula Institute of Engineering and Technology
Ganguru, VIJAYAWADA-521 139

Academic Year : 2016-2017

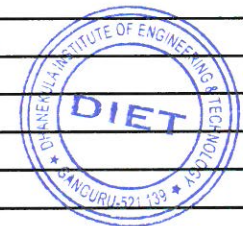| SNO	Program	SEM	Course Code	Course Name
1	B.Tech in Civil Engineering	I-I	R161101	English – I
2	B.Tech in Civil Engineering	I-I	R161102	Mathematics - I
3	B.Tech in Civil Engineering	I-I	R161105	Engineering Chemistry
4	B.Tech in Civil Engineering	I-I	R161107	Computer Programming
5	B.Tech in Civil Engineering	I-I	R161108	Environmental Studies
6	B.Tech in Civil Engineering	I-I	R161118	Engineering-APPLIED Chemistry Laboratory
7	B.Tech in Civil Engineering	I-I	R161114	English – Communication Skills Lab - I
8	B.Tech in Civil Engineering	I-I	R161119	Computer Programming Lab
9	B.Tech in Civil Engineering	I-II	R161201	English - II
10	B.Tech in Civil Engineering	I-II	R161202	Mathematics – II (Mathematical Methods)
11	B.Tech in Civil Engineering	I-II	R161203	Mathematics – III
12	B.Tech in Civil Engineering	I-II	R161204	Engineering Physics
13	B.Tech in Civil Engineering	I-II	R161232	Elements of Mechanical Engineering
14	B.Tech in Civil Engineering	I-II	R161221	English-Communication Skills Lab - II
15	B.Tech in Civil Engineering	I-II	R161222	Engineering-Applied Physics Laboratory
16	B.Tech in Civil Engineering	I-II	R161223	Engineering Physics – Virtual Labs -Assignments
17	B.Tech in Civil Engineering	I-II	R161224	Engineering Workshop & IT Workshop
18	B.Tech in Civil Engineering	IV-I	RT41011	Environmental Engineering-II
19	B.Tech in Civil Engineering	IV-I	RT41012	Prestressed Concrete
20	B.Tech in Civil Engineering	IV-I	RT41013	Construction Technology and Management
21	B.Tech in Civil Engineering	IV-I	RT41014	Water Resources Engineering–II
22	B.Tech in Civil Engineering	IV-I	RT41018	Matrix methods of Structural Analysis
23	B.Tech in Civil Engineering	IV-I	RT41019	Urban Hydrology
24	B.Tech in Civil Engineering	IV-I	RT4101A	Advanced Surveying
25	B.Tech in Civil Engineering	IV-I	RT4101B	Interior Designs and Decorations
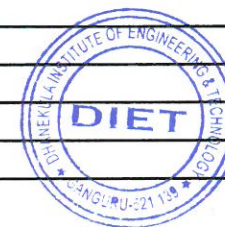
SNO	Program	SEM	Course Code	Course Name
26	B.Tech in Civil Engineering	IV-I	RT4101L	Environmental Engineering Lab
27	B.Tech in Civil Engineering	IV-II	RT42012A	Engineering with Geo-synthetics
28	B.Tech in Civil Engineering	IV-II	RT42012E	Traffic Engineering
29	B.Tech in Civil Engineering	IV-II	RT42012F	Infrastructure Management
30	B.Tech in Civil Engineering	IV-II	RT42013A	Advanced foundation Engineering
31	B.Tech in Civil Engineering	IV-II	RT42013B	Solid waste Management
32	B.Tech in Civil Engineering	IV-II	RT42013F	Green Buildings
33	B.Tech in Civil Engineering	IV-II	RT42014B	Environmental and Industrial Hygiene
34	B.Tech in Civil Engineering	IV-II	RT42014C	Repair and Rehabilitation of Structures
35	B.Tech in Civil Engineering	IV-II	RT42014F	Safety Engineering
36	B.Tech in Civil Engineering	IV-II	RT42014G	Bridge Engineering
37	B.Tech in Electrical and Electronics Engineering	I/I	R161101	English – I
38	B.Tech in Electrical and Electronics Engineering	I/I	R161102	Mathematics - I
39	B.Tech in Electrical and Electronics Engineering	I/I	R161106	Applied Chemistry
40	B.Tech in Electrical and Electronics Engineering	I/I	R161111	Engineering Mechanics
41	B.Tech in Electrical and Electronics Engineering	I/I	R161107	Computer Programming
42	B.Tech in Electrical and Electronics Engineering	I/I	R161108	Environmental Studies
43	B.Tech in Electrical and Electronics Engineering	I/I	R161122	Applied / Engineering Chemistry Laboratory
44	B.Tech in Electrical and Electronics Engineering	I/I	R161114	English- Communication Skills Laboratory - I
45	B.Tech in Electrical and Electronics Engineering	I/I	R161119	Computer Programming Laboratory
46	B.Tech in Electrical and Electronics Engineering	I/II	R161201	English – II
47	B.Tech in Electrical and Electronics Engineering	I/II	R161202	Mathematics – II (Mathematical Methods)
48	B.Tech in Electrical and Electronics Engineering	I/II	R161203	Mathematics – III
49	B.Tech in Electrical and Electronics Engineering	I/II	R161207	Applied Physics
50	B.Tech in Electrical and Electronics Engineering	I/II	R161208	Electrical Circuit Analysis - I
51	B.Tech in Electrical and Electronics Engineering	I/II	R161206	Engineering Drawing
52	B.Tech in Electrical and Electronics Engineering	I/II	R161221	English - Communication Skills Laboratory - II
53	B.Tech in Electrical and Electronics Engineering	I/II	R161225	Applied / Engineering Physics Laboratory
54	B.Tech in Electrical and Electronics Engineering	I/II	R161226	Physics – Virtual Labs - Assignments
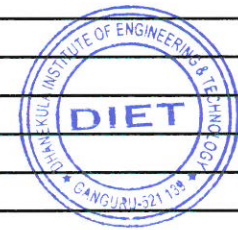
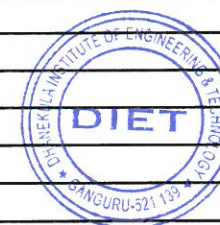| SNO	Program	SEM	Course Code	Course Name
55	B.Tech in Electrical and Electronics Engineering	I/II	R161224	Engg.Workshop & IT Workshop
56	B.Tech in Electrical and Electronics Engineering	IV/I	RT41021	Renewable Energy Sources and Systems
57	B.Tech in Electrical and Electronics Engineering	IV/I	RT41022	HVAC & DC Transmission
58	B.Tech in Electrical and Electronics Engineering	IV/I	RT41023	Power System Operation & Control
59	B.Tech in Electrical and Electronics Engineering	IV/I	RT41024	Energy Audit, Conservation and Management
60	B.Tech in Electrical and Electronics Engineering	IV/I	RT41025	Instrumentation
61	B.Tech in Electrical and Electronics Engineering	IV/I	RT41026	Non Conventional Sources of Energy
62	B.Tech in Electrical and Electronics Engineering	IV/I	RT41027	Optimization Techniques
63	B.Tech in Electrical and Electronics Engineering	IV/I	RT41035	MEMS
64	B.Tech in Electrical and Electronics Engineering	IV/I	RT41036	Nano Technology
65	B.Tech in Electrical and Electronics Engineering	IV/I	RT41028	VLSI Design
66	B.Tech in Electrical and Electronics Engineering	IV/I	RT41029	Electrical Distribution Systems
67	B.Tech in Electrical and Electronics Engineering	IV/I	RT4102A	Optimization Techniques
68	B.Tech in Electrical and Electronics Engineering	IV/I	RT4102L	Microprocessors & Microcontrollers Lab
69	B.Tech in Electrical and Electronics Engineering	IV/I	RT4102M	Electrical Simulation Lab
70	B.Tech in Electrical and Electronics Engineering	IV/I	RT4102N	Power Systems Lab
71	B.Tech in Electrical and Electronics Engineering	IV/II	RT42021	Digital Control Systems
72	B.Tech in Electrical and Electronics Engineering	IV/II	RT42022A	Advanced Control Systems
73	B.Tech in Electrical and Electronics Engineering	IV/II	RT42022B	Extra High Voltage Transmission
74	B.Tech in Electrical and Electronics Engineering	IV/II	RT42022C	Special Electrical Machines
75	B.Tech in Electrical and Electronics Engineering	IV/II	RT42023A	Electric Power Quality
76	B.Tech in Electrical and Electronics Engineering	IV/II	RT42023B	Digital Signal Processing
77	B.Tech in Electrical and Electronics Engineering	IV/II	RT42023C	FACTS: Flexible Alternating Current Transmission Systems.
78	B.Tech in Electrical and Electronics Engineering	IV/II	RT42024A	OOPS Through Java
79	B.Tech in Electrical and Electronics Engineering	IV/II	RT42024B	UNIX and Shell Programming
80	B.Tech in Electrical and Electronics Engineering	IV/II	RT42024C	AI Techniques
81	B.Tech in Electrical and Electronics Engineering	IV/II	RT42024D	Power System Reforms
82	B.Tech in Electrical and Electronics Engineering	IV/II	RT42024E	Systems Engineering
83	B.Tech in Mechanical Engineering	I/I	R161101	English – I
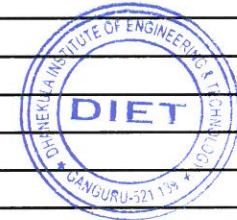
SNO	Program	SEM	Course Code	Course Name
84	B.Tech in Mechanical Engineering	I/I	R161102	Mathematics - I
85	B.Tech in Mechanical Engineering	I/I	R161105	Engineering Chemistry
86	B.Tech in Mechanical Engineering	I/I	R161111	Engineering Mechanics
87	B.Tech in Mechanical Engineering	I/I	R161107	Computer Programming
88	B.Tech in Mechanical Engineering	I/I	R161108	Environmental Studies
89	B.Tech in Mechanical Engineering	I/I	R161118	Engineering/Applied Chemistry Laboratory
90	B.Tech in Mechanical Engineering	I/I	R161114	English - Communication Skills Lab - I
91	B.Tech in Mechanical Engineering	I/I	R161119	Computer Programming Lab
92	B.Tech in Mechanical Engineering	I/II	R161201	English – II
93	B.Tech in Mechanical Engineering	I/II	R161202	Mathematics – II (Mathematical Methods)
94	B.Tech in Mechanical Engineering	I/II	R161203	Mathematics – III
95	B.Tech in Mechanical Engineering	I/II	R161204	Engineering Physics
96	B.Tech in Mechanical Engineering	I/II	R161209	Basic Electrical and Electronics Engineering
97	B.Tech in Mechanical Engineering	I/II	R161210	Engineering Drawing
98	B.Tech in Mechanical Engineering	I/II	R161221	English - Communication Skills Lab - II
99	B.Tech in Mechanical Engineering	I/II	R161222	Engineering /Applied Physics Lab
100	B.Tech in Mechanical Engineering	I/II	R161223	Engineering /Applied Physics – Virtual lab
101	B.Tech in Mechanical Engineering	I/II	R161224	Engg.Workshop & IT Workshop
102	B.Tech in Mechanical Engineering	IV/I	RT41033	Finite Element Methods
103	B.Tech in Mechanical Engineering	IV/I	RT41036	Nano Technology
104	B.Tech in Mechanical Engineering	IV/I	RT41037	Material Characterization Techniques
105	B.Tech in Mechanical Engineering	IV/I	RT41038	Design for Manufacture
106	B.Tech in Mechanical Engineering	IV/II	RT42032	Green Engineering Systems
107	B.Tech in Mechanical Engineering	IV/II	RT42033A	Experimental Stress Analysis
108	B.Tech in Mechanical Engineering	IV/II	RT42033B	Mechatronics
109	B.Tech in Electronics and Communications Engineering	I-I	R161101	English – I
110	B.Tech in Electronics and Communications Engineering	I-I	R161102	Mathematics - I
111	B.Tech in Electronics and Communications Engineering	I-I	R161110	Mathematics – II(Numerical Methods and Complex variables)
112	B.Tech in Electronics and Communications Engineering	I-I	R161104	Applied Physics

SNO	Program	SEM	Course Code	Course Name
113	B.Tech in Electronics and Communications Engineering	I-I	R161107	Computer Programming
114	B.Tech in Electronics and Communications Engineering	I-I	R161113	Engineering Drawing
115	B.Tech in Electronics and Communications Engineering	I-I	R161114	English – Communication Skills Lab - I
116	B.Tech in Electronics and Communications Engineering	I-I	R161115	Applied/Engineering Physics Laboratory
117	B.Tech in Electronics and Communications Engineering	I-I	R161116	Applied/Engineering Physics – Virtual Labs -Assignments
118	B.Tech in Electronics and Communications Engineering	I-I	R161117	Engineering Workshop & IT Workshop
119	B.Tech in Electronics and Communications Engineering	I-II	R161201	English - II
120	B.Tech in Electronics and Communications Engineering	I-II	R161203	Mathematics – III
121	B.Tech in Electronics and Communications Engineering	I-II	R161211	Applied chemistry
122	B.Tech in Electronics and Communications Engineering	I-II	R161214	Electrical and Mechanical Technology
123	B.Tech in Electronics and Communications Engineering	I-II	R161212	Environmental Studies
124	B.Tech in Electronics and Communications Engineering	I-II	R161213	Data Structures
125	B.Tech in Electronics and Communications Engineering	I-II	R161227	Applied/Engineering Chemistry Laboratory
126	B.Tech in Electronics and Communications Engineering	I-II	R161221	English-Communication Skills Lab - II
127	B.Tech in Electronics and Communications Engineering	I-II	R161228	Computer Programming Lab
128	B.Tech in Electronics and Communications Engineering	IV-I	RT4104L	VLSI Design
129	B.Tech in Electronics and Communications Engineering	IV-I	RT41042	Computer Networks
130	B.Tech in Electronics and Communications Engineering	IV-I	RT41044	Computer Architecture & Organization
131	B.Tech in Electronics and Communications Engineering	IV-I	RT41045	Electronic Switching Systems
132	B.Tech in Electronics and Communications Engineering	IV-I	RT41047	Object Oriented Programming & O S
133	B.Tech in Electronics and Communications Engineering	IV-I	RT41049	Advanced Computer Architecture
134	B.Tech in Electronics and Communications Engineering	IV-I	RT4104B	Digital IC Design
135	B.Tech in Electronics and Communications Engineering	IV-I	RT4104C	Speech Processing
136	B.Tech in Electronics and Communications Engineering	IV-I	RT4104D	Artificial Neural Network & Fuzzy Logic
137	B.Tech in Electronics and Communications Engineering	IV-I	RT4104E	Network Security & Cryptography
138	B.Tech in Electronics and Communications Engineering	IV-I	RT4104L	V L S I Lab
139	B.Tech in Electronics and Communications Engineering	IV-II	RT42042	Electronic Measurements andInstrumentation
140	B.Tech in Electronics and Communications Engineering	IV-II	RT42043B	Mixed signal Design
141	B.Tech in Electronics and Communications Engineering	IV-II	RT42043C	Embedded systems

SNO	Program	SEM	Course Code	Course Name
142	B.Tech in Electronics and Communications Engineering	IV-II	RT42043D	RF Circuit Design
143	B.Tech in Electronics and Communications Engineering	IV-II	RT42043E	Cloud Computing
144	B.Tech in Electronics and Communications Engineering	IV-II	RT42044A	Wireless Sensors and Networks
145	B.Tech in Electronics and Communications Engineering	IV-II	RT42044B	System on Chip
146	B.Tech in Electronics and Communications Engineering	IV-II	RT42044C	Low Power IC Design
147	B.Tech in Electronics and Communications Engineering	IV-II	RT42044D	Bio-Medical Instrumentation
148	B.Tech in Electronics and Communications Engineering	IV-II	RT42044E	EMI/EMC
149	B.Tech in Computer Science and Engineering	I-I	R161101	English – I
150	B.Tech in Computer Science and Engineering	I-I	R161109	Mathematics – II (Mathematical Methods)
151	B.Tech in Computer Science and Engineering	I-I	R161104	Applied Physics
152	B.Tech in Computer Science and Engineering	I-I	R161112	Engineering Drawing
153	B.Tech in Computer Science and Engineering	I-I	R161114	English - Communication Skills Lab - 1
154	B.Tech in Computer Science and Engineering	I-I	R161115	Applied Engineering Physics Lab
155	B.Tech in Computer Science and Engineering	I-I	R161116	Applied Engineering Physics – Virtual Labs
156	B.Tech in Computer Science and Engineering	I-II	R161201	English – II
157	B.Tech in Computer Science and Engineering	I-II	R161211	Applied Chemistry
158	B.Tech in Computer Science and Engineering	I-II	R161215	Object Oriented Programming Through C++
159	B.Tech in Computer Science and Engineering	I-II	R161212	Environmental Studies
160	B.Tech in Computer Science and Engineering	I-II	R161216	Engineering Mechanics
161	B.Tech in Computer Science and Engineering	I-II	R161227	Applied / Engineering Chemistry Laboratory
162	B.Tech in Computer Science and Engineering	I-II	R161221	English - Communication Skills Lab – 2
163	B.Tech in Computer Science and Engineering	I-II	R161229	Object Oriented Programming Lab
164	B.Tech in Computer Science and Engineering	IV-I	RT41054	Software Testing Methodologies
165	B.Tech in Computer Science and Engineering	IV-I	RT41055	Simulation Modeling
166	B.Tech in Computer Science and Engineering	IV-I	RT41056	Information Retrieval Systems
167	B.Tech in Computer Science and Engineering	IV-I	RT41057	Artificial Intelligence
168	B.Tech in Computer Science and Engineering	IV-I	RT41058	Multimedia Computing
169	B.Tech in Computer Science and Engineering	IV-I	RT41059	High Performance Computing
170	B.Tech in Computer Science and Engineering	IV-I	RT4105A	Digital Forensics

SNO	Program	SEM	Course Code	Course Name
171	B.Tech in Computer Science and Engineering	IV-I	RT4105E	Advanced Databases
172	B.Tech in Computer Science and Engineering	IV-I	RT4105B	Hadoop And Big Data
173	B.Tech in Computer Science and Engineering	IV-I	RT4105N	Software Testing Lab
174	B.Tech in Computer Science and Engineering	IV-I	RT4105O	Hadoop & Bigdata Lab
175	B.Tech in Computer Science and Engineering	IV-II	RT42053F	Micro Processers and Multi Core Systems
176	B.Tech in Computer Science and Engineering	IV-II	RT42043E	Cloud Computing
177	B.Tech in Computer Science and Engineering	IV-II	RT42052	Management Science
178	M.Tech in Computer Science and Engineering	I-I	I0504	Advanced Operating Systems
179	M.Tech in Computer Science and Engineering	I-I	I5804	Data Warehousing And Data Mining
180	M.Tech in Computer Science and Engineering	I-II	J5801	Cyber Security
181	M.Tech in Computer Science and Engineering	I-II	J4002	Big Data Analytics
182	M.Tech in Computer Science and Engineering	I-II	J0501	Software Engineering
183	M.Tech in Computer Science and Engineering	I-II	J0502	Artificial Intelligence
184	M.Tech in Computer Science and Engineering	I-II	J0505	Machine Learning
185	M.Tech in Computer Science and Engineering	I-II	J0507	Parallel Algorithms
186	M.Tech in VLSI Design	I-I	I6808	Cyber Security
187	M.Tech in VLSI Design	I-II	J6801	Embedded System Design

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