

R.8.5.1-11b



## **MOHANDAS COLLEGE OF ENGINEERING & TECHNOLOGY**

**ANAD, NEDUMANGAD  
THIRUVANANTHAPURAM -41  
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### **EVEN SEMESTER ACADEMIC CALENDAR (2021)**

***[B.Tech 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 8<sup>th</sup> Sem,  
MCA 2<sup>nd</sup> & 4<sup>th</sup> Sem,  
M.Tech 2<sup>nd</sup> Sem]  
March 2021 to September 2021***

**Name :** .....

**Roll No:** .....

**Branch:** .....

**Year :** .....

**MCET.....*Mind Set For Learning***



**MOHANDAS COLLEGE OF  
ENGINEERING & TECHNOLOGY**  
ANAD, NEDUMANGAD  
THIRUVANANTHAPURAM-41

***ACADEMIC CALENDAR EVEN SEMESTER 2021***

***For B.Tech 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 8<sup>th</sup> Semesters, MCA 2<sup>nd</sup> & 4<sup>th</sup> Semesters, M.Tech 2<sup>nd</sup> Semesters***

**Time Table**

Regular class work has been scheduled, Monday to Friday from 8.30 AM to 3.30 PM. Regular class work will be based on the academic calendar 2021.

**Holidays**

All Kerala Government holidays approved by the Management are holidays for the college. Other holidays if any will be announced by the Management from time to time. However any working day lost on account of any Bandh, Hartal or the like will be compensated by an additional working day on a Saturday/holiday.

**Rules of general discipline**

Students are to strictly follow the following:

- Class timings: 8.30 AM to 3.30 PM with a lunch break from 12.05 PM to 12.55 PM for Higher Semesters of CSE, ECE, EEE & ME and the lunch break from 11.15 AM to 12:05 PM for S1/S2, Higher semester of CE, BT & BCE, MCA & M.Tech students.
- The students should be inside the classroom before 8.30 AM.
- Students will not be permitted to leave the campus between 8.30 AM and 3.30 PM without the prior permission/sanction of the Director / Principal. If the students leave the campus without proper permission, the matter will be informed to the parents. If it is repeated a fine of Rs 1000 /- will be collected on intimation to the parents.
- Unauthorised absence from the classes will be taken seriously and disciplinary action will be taken. Sanction should be obtained from the HOD in advance for any absence. If the absence is more than 3 day's medical certificate should be produced. All medical leaves have to be sanctioned by the Director / Principal. Leave letter to be submitted on the day they come back to the college. No late leave will be considered.
- Students, who have no class, are not allowed to loiter around in the campus during class hours disturbing other classes. Abstaining from class "en-masse" is considered as a serious offence for which disciplinary actions will be taken.

- Silence should be maintained in library and computer labs. Library books should be handled with care. Rules pertaining to the issue of library books should be adhered to.
- As per the High Court Order mobile phones are banned inside the college campus. Strict disciplinary action, including confiscation of the mobile phone and a fine of Rs.1000/- will be imposed on students who violate the above rule.
- Ragging in any form is strictly prohibited in the college according to the directions of the AICTE and Government of India. Penal measures to those found guilty of ragging will extend up to immediate expulsion from the college.
- Students are expected to maintain a very high order of discipline. No effort shall be spared to conduct themselves at all times, at all places, and on all occasion in a manner worthy of students of a course which is to lead them to high responsibility in the future.
- Students are expected to adhere to the dress code prescribed by the institution while in campus. Boys should wear trousers with formal belts (only black / brown colours permitted) and insert shirts with half sleeves and their feet should be protected with socks and shoes. **Jeans and T-shirts are not permitted.** Girls should wear salwar kameez and dhuppatta. Girls should take care to tuck their hair. **The ID card should be displayed whenever they are inside the campus.** Strict disciplinary actions will be taken on the spot against those who violate the dress code. Any change from the dress code is permitted with the consent of the Director / Principal on special occasions.
- Every student shall provide himself/herself with the entire prescribed textbooks, drawing instruments and accessories and other such articles required for the classroom work.
- The college properties should be handled with maximum care and everything possible should be done to preserve the cleanliness, and tidiness of the building, furniture, library, buses and premises. Fine will be imposed for damages to equipment, furniture, building etc.
- The students are to attend all the activities organized by the college otherwise fine will be imposed.
- A number of additional programs in the form of Add-on courses, remedial classes, extramural lecture, study tour, industrial visit, finishing school, soft skill training etc are arranged for the development of the students. It is mandatory to all the eligible students to attend all these programs
- From the academic year 2021 the institution will be following 5 days week (Monday to Friday) timetable.

**The following additional facilities are available for the students:**

- 24 hours ambulance facility
- Infirmary with the service of a doctor at BT&BCE Department.
- Sick rooms are available in the EEE Department (Ladies – 1<sup>st</sup> floor & Gents – 2<sup>nd</sup> floor)
- 24 hours Internet facility both for day scholars and hostlers.

**Director's / Principal's decision regarding the discipline will be final.**

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March 2021				
Contact Days	Date	Days	Details	Week Assignments
	1	Monday	Commencement of classes and registration S6 MCA	
	2	Tuesday		
	3	Wednesday		
	4	Thursday		
	5	Friday		
	6	Saturday		
	7	Sunday		
	8	Monday		
	9	Tuesday		
	10	Wednesday		
	11	Thursday	Maha Sivarathri	
	12	Friday		
	13	Saturday		
	14	Sunday		
	15	Monday		
	16	Tuesday		
	17	Wednesday		
	18	Thursday	Commencement of classes and registration S8 B.Tech	
	19	Friday		
	20	Saturday		
	21	Sunday		
	22	Monday		
	23	Tuesday	Course Selection, Reg and Mapping Begins	
	24	Wednesday	Commencement of classes and registration S6 B.Tech	
	25	Thursday		
	26	Friday		
	27	Saturday	Course Selection, Reg and Mapping Ends	
	28	Sunday		
	29	Monday		
	30	Tuesday		

April 2021				
Contact Days	Date	Day		Week Assignments
	1	Thursday	Maundy Thursday	
	2	Friday	Good Friday	
	3	Saturday		
	4	Sunday	Easter	
	5	Monday		
	6	Tuesday	LA- Election	
	7	Wednesday	Commencement of classes and registration S4 MCA	
	8	Thursday		
	9	Friday	Project evaluation 1 to be completed MCA	
	10	Saturday		
	11	Sunday		
	12	Monday		
	13	Tuesday		
	14	Wednesday	Vishu	
	15	Thursday	Project evaluation 1 to be completed S8 B.Tech	
	16	Friday	Exam registration begins.	
	17	Saturday		
	18	Sunday		
	19	Monday		
	20	Tuesday		
	21	Wednesday	I <sup>st</sup> Series test B.Tech	
	22	Thursday	I <sup>st</sup> Series test B.Tech	
	23	Friday	I <sup>st</sup> Series test B.Tech	
	24	Saturday		
	25	Sunday		
	26	Monday		
	27	Tuesday	Exam registration ends	
	28	Wednesday		
	29	Thursday		
	30	Friday		
	31	Fri		
		Holidays		

may 21				
Contact Days	Date	Day	Details	Week Assignments
	1	Sat	May Day	Assignment I to be completed
	2	Sun		
	3	Mon	Commencement of classes and registration S2 & S4 B.Tech & S2 MCA	
	4	Tue		
	5	Wed		
	6	Thu		
	7	Fri		
	8	Sat		
	9	Sun		
	10	Mon	Project evaluation 2 to be completed MCA	
	11	Tue		
	12	Wed		
	13	Thu	Eid-UI-Fitr (Ramzan)	
	14	Fri		
	15	Sat	Project evaluation 2 to be completed S8 B.Tech	
	16	Sun		
	17	Mon	Commencement of classes and registration S2 M.Tech	
	18	Tue		
	19	Wed		
	20	Thu		
	21	Fri		
	22	Sat		
	23	Sun		
	24	Mon		
	25	Tue		
	26	Wed		
	27	Thu		
	28	Fri		
	29	Sat		
	30	Sun		
	31	Mon		

 Holidays

June 21				
Contact Days	Date	Day	Details	Week Assignments
	1	Tuesday		Assignment II to be completed
	2	Wednesday	II <sup>nd</sup> Series test B.Tech	
	3	Thursday	II <sup>nd</sup> Series test B.Tech	
	4	Friday	II <sup>nd</sup> Series test B.Tech	
	5	Saturday		
	6	Sunday		
	7	Monday		
	8	Tuesday		
	9	Wednesday	Project evaluation 3 to be completed MCA	
	10	Thursday	Project evaluation 3 to be completed B.Tech	
	11	Friday	Publish IA Marks MCA	
	12	Saturday		
	13	Sunday		
	14	Monday	Class Ends MCA Publish attendance MCA	
	15	Tuesday		
	16	Wednesday	Publish IA Marks B.Tech	
	17	Thursday		
	18	Friday		
	19	Saturday	Class Ends B.Tech Publish attendance B.Tech	Assignment III to be completed
	20	Sunday		
	21	Monday		
	22	Tuesday		
	23	Wednesday	External project Evaluation and Vice voce (MCA) begins	
	24	Thursday		
	25	Friday		
	26	Saturday		
	27	Sunday		
	28	Monday		
	29	Tuesday		
	30	Wednesday	External project Evaluation and Vice voce (MCA)ends End Semester Examination B.Tech begins	

 Holidays



July 21				
Contact Days	Date	Day	Details	Week Assignments
	1	Thursday		
	2	Friday		
	3	Saturday		
	4	Sunday		
	5	Monday		
	6	Tuesday		
	7	Wednesday		
	8	Thursday		
	9	Friday		
	10	Saturday	End Semester Examination B.Tech ends	
	11	Sunday		
	12	Monday	Publish IA Marks S4 MCA	
	13	Tuesday		
	14	Wednesday	Class Ends S4 MCA Publish Attendance S4 MCA	
	15	Thursday		
	16	Friday		
	17	Saturday		
	18	Sunday		
	19	Monday		
	20	Tuesday		
	21	Wednesday		
	22	Thursday		
	23	Friday		
	24	Saturday		
	25	Sunday		
	26	Monday	End Semester Examination S4 MCA begins	
	27	Tuesday		
	28	Wednesday		
	29	Thursday		
	30	Friday		
	31	Saturday		

 Holidays

August 21				
Contact Days	Date	Day	Details	Week Assignments
	1	Sunday		
	2	Monday		
	3	Tuesday		
	4	Wednesday		
	5	Thursday		
	6	Friday		
	7	Saturday		
	8	Sunday	Karkkidakavavu	
	9	Monday	Publish IA Marks S2,S4 B.Tech & S2 MCA	
	10	Tuesday		
	11	Wednesday	Class Ends S2, S4 B.Tech & S2 MCA Publish attendance S2, S4 B.Tech & S2 MCA	
	12	Thursday		
	13	Friday		
	14	Saturday	End Semester Examination S6 B.Tech begins	
	15	Sunday	Independence Day	
	16	Monday		
	17	Tuesday		
	18	Wednesday		
	19	Thursday	Muharram	
	20	Friday	First Onam	
	21	Saturday	Thiruvonam	
	22	Sunday	Third Onam	
	23	Monday	Fourth Onam Sree Narayana Guru Jayanthi	
	24	Tuesday	Publish IA Marks S2 M.Tech	
	25	Wednesday	Class Ends S2 M.Tech Publish Attendance S2 M.Tech End Semester Examination S4 B.Tech begins	
	26	Thursday	End Semester Examination S2 B.Tech & S2 MCA begins	
	27	Friday		
	28	Saturday	Ayyankali Jayanthi	
	29	Sunday		
	30	Monday	Sreekrishna Jayanthi	
	31	Tuesday		

 Holidays

September 21				
Contact Days	Date	Day	Details	Week Assignments
	1	Wednesday		
	2	Thursday		
	3	Friday		
	4	Saturday		
	5	Sunday		
	6	Monday	End Semester Examination S2 M.Tech begins	
	7	Tuesday		
	8	Wednesday		
	9	Thursday		
	10	Friday		
	11	Saturday		
	12	Sunday		
	13	Monday		
	14	Tuesday		
	15	Wednesday		
	16	Thursday		
	17	Friday		
	18	Saturday		
	19	Sunday		
	20	Monday		
	21	Tuesday	Sree Narayana Guru Samadhi Day	
	22	Wednesday		
	23	Thursday		
	24	Friday		
	25	Saturday		
	26	Sunday		
	27	Monday		
	28	Tuesday		
	29	Wednesday		
	30	Thursday		
	31	Saturday		

## B.TECH EVEN SEMESTER

### SEMESTER II

SLOT	CATE GORY	COURSE CODE	COURSES	L-T-P	HOURS	CREDIT
A	BSC	MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS	3-1-0	4	4
B 1/2	BSC	PHT 100	ENGINEERING PHYSICS A	3-1-0	4	4
		PHT 110	ENGINEERING PHYSICS B	3-1-0	4	4
	BSC	CYT100	ENGINEERING CHEMISTRY	3-1-0	4	4
C 1/2	ESC	EST 100	ENGINEERING MECHANICS	2-1-0	3	3
	ESC	EST 110	ENGINEERING GRAPHICS	2-0-2	4	3
D 1/2	ESC	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	4-0-0	4	4
	ESC	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4-0-0	4	4
E	MNC	HUN 102	PROFESSIONAL COMMUNICATION	2-0-2	4	--
F	ESC	EST 102	PROGRAMMING IN C	2-1-2	5	4
S 1/2	BSC	PHL 120	ENGINEERING PHYSICS LAB	0-0-2	2	1
	BSC	CYL 120	ENGINEERING CHEMISTRY LAB	0-0-2	2	1
T 1/2	ESC	ESL 120	CIVIL & MECHANICAL WORKSHOP	0-0-2	2	1
	ESC	ESL 130	ELECTRICAL & ELECTRONICS WORKSHOP	0-0-2	2	1
<b>TOTAL</b>					<b>28/29</b>	<b>21</b>

**B. TECH BIOTECHNOLOGY AND BIOCHEMICAL ENGG.****SEMESTER IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	3-1-0	4	4
B	BTT202	CHEMICAL AND BIOLOGICAL REACTION ENGINEERING	3-1-0	4	4
C	BTT204	PRINCIPLES OF BIOCHEMISTRY	3-1-0	4	4
D	BTT206	BIOPROCESS ENGINEERING	3-1-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	BTL202	BIOCHEMISTRY LAB	0-0-3	3	2
T	BTL204	ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY LAB	0-0-3	3	2
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>26/30</b>	<b>22/26</b>

**SEMESTER IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	3-1-0	4	4
B	BTT202	CHEMICAL AND BIOLOGICAL REACTION ENGINEERING	3-1-0	4	4
C	BTT204	PRINCIPLES OF BIOCHEMISTRY	3-1-0	4	4
D	BTT206	BIOPROCESS ENGINEERING	3-1-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	BTL202	BIOCHEMISTRY LAB	0-0-3	3	2
T	BTL204	ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY LAB	0-0-3	3	2
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>26/30</b>	<b>22/26</b>

**SEMESTER VI**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	BTT302	BIOINFORMATICS	2-0-2	4	4
B	BTT304	DOWNSTREAM PROCESSING	3-1-0	4	4
C	BTT306	BIOREACTOR CONTROL AND INSTRUMENTATION	3-1-0	4	4
D	BTTXXX	PROGRAM ELECTIVE I	2-1-0	3	3
E 1/2	HUT300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	3-0-0	3	3
	HUT310	MANAGEMENT FOR ENGINEERS	3-0-0	3	3
F	BTT308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	BTL332	DOWNSTREAM PROCESSING LAB	0-0-3	3	2
T	BTL334	HEAT AND MASS TRANSFER LAB	0-0-3	3	2
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>23/27</b>

**PROGRAM ELECTIVE I**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	BTT312	ANIMAL & PLANT CELL TECHNOLOGY	2-1-0	3	3
	BTT322	ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY	2-1-0		
	BTT332	CELL BIOLOGY	2-1-0		
	BTT342	PROJECT ENGINEERING AND PROCESS PLANT ECONOMICS	2-1-0		
	BTT352	BASICS IN IMMUNOLOGY	2-1-0		
	BTT362	BIOSTATISTICS	2-1-0		

**SEMESTER VIII**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	BTT402	ENVIRONMENTAL BIOTECHNOLOGY	2-1-0	3	3
B	BTTXXX	PROGRAM ELECTIVE III	2-1-0	3	3
C	BTTXXX	PROGRAM ELECTIVE IV	2-1-0	3	3
D	BTTXXX	PROGRAM ELECTIVE V	2-1-0	3	3
T	BTT404	COMPREHENSIVE COURSE VIVA	1-0-0	1	1
U	BTD416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>17/21</b>

**PROGRAM ELECTIVE III**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	BTT414	FOOD PROCESS TECHNOLOGY	2-1-0	3	3
	BTT424	BIOREFINERY ENGINEERING	2-1-0		
	BTT434	BIOPHARMACEUTICAL TECHNOLOGY	2-1-0		
	BTT444	EFFLUENT/ WASTE WATER TREATMENT	2-1-0		
	BTT454	DAIRY PROCESS TECHNOLOGY	2-1-0		
	BTT464	OPERATIONAL RESEARCH	2-1-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
C	BTT416	CANCER BIOLOGY	2-1-0	3	3
	BTT426	ADVANCED SEPARATION PROCESSES	2-1-0		
	BTT436	BIOMATERIALS , TISSUE ENGINEERING & STEM CELLS	2-1-0		
	BTT446	BIOPROCESS INSTRUMENTATION	2-1-0		
	BTT456	DRUG DESIGN AND DEVELOPMENT	2-1-0		
	BTT466	CLINICAL RESEARCH & DRUGTESTING	2-1-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	BTT418	PROCESS SAFETY AND BIOETHICS	2-1-0	3	3
	BTT428	BIOBUSINESS	2-1-0		
	BTT438	ENTREPRENEURSHIP & IPR	2-1-0		
	BTT448	BIOPHYSICS & BIOSENSORS	2-1-0		
	BTT458	BIOPROCESS QUALITY CONTROL	2-1-0		
	BTT468	MODELLING AND SCALE UP OF BIOREACTORS	2-1-0		

**B.TECH CIVIL ENGINEERING****SEMESTER IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	3-1-0	4	4
B	CET202	ENGINEERING GEOLOGY	3-0-1	4	4
C	CET204	GEOTECHNICAL ENGINEERING – I	4-0-0	4	4
D	CET206	TRANSPORTATION ENGINEERING	4-0-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	CEL202	MATERIAL TESTING LAB– I	0-0-3	3	2
T	CEL204	FLUID MECHANICS LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
<b>TOTAL</b>				<b>26/30</b>	<b>22/26</b>

**SEMESTER VI**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CET302	STRUCTURAL ANALYSIS – II	3-1-0	4	4
B	CET304	ENVIRONMENTAL ENGINEERING	4-0-0	4	4
C	CET306	DESIGN OF HYDRAULIC STRUCTURES	4-0-0	4	4
D	CETXXX	PROGRAM ELECTIVE I	3-0-0	3	3
E	HUT300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	3-0-0	3	3
F	CET308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	CEL332	TRANSPORTATION ENGINEERING LAB	0-0-3	3	2
T	CEL334	CIVIL ENGINEERING SOFTWARE LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>23/27</b>

**PROGRAM ELECTIVE I**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	CET312	ADVANCED COMPUTATIONAL METHODS	3-0-0	3	3
	CET322	GEOTECHNICAL INVESTIGATION	3-0-0		
	CET332	TRAFFIC ENGINEERING & MANAGEMENT	3-0-0		
	CET342	MECHANICS OF FLUID FLOW	3-0-0		
	CET352	ADVANCED CONCRETE TECHNOLOGY	3-0-0		
	CET362	ENVIRONMENTAL IMPACT ASSESSMENT	3-0-0		
	CET372	FUNCTIONAL DESIGN OF BUILDINGS	3-0-0		

**SEMESTER VIII**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CET402	QUANTITY SURVEYING & VALUATION	3-0-0	3	3
B	CETXXX	PROGRAM ELECTIVE III	3-0-0	3	3
C	CETXXX	PROGRAM ELECTIVE IV	3-0-0	3	3
D	CETXXX	PROGRAM ELECTIVE V	3-0-0	3	3
E	CET404	COMPREHENSIVE VIVA VOCE	1-0-0	1	1
U	CED416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>17/21</b>



**PROGRAM ELECTIVE III**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	CET414	ADVANCED STRUCTURAL DESIGN	3-0-0	3	3
	CET424	GEOENVIRONMENTAL ENGINEERING	3-0-0		
	CET434	RAILWAY AND TUNNEL ENGINEERING	3-0-0		
	CET444	IRRIGATION & DRAINAGEENGINEERING	3-0-0		
	CET454	CONSTRUCTION METHODS &EQUIPMENT	3-0-0		
	CET464	AIRQUALITY MANAGEMENT	3-0-0		
	CET474	URBAN PLANNING & ARCHITECTURE	3-0-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
C	CET416	BRIDGE ENGINEERING	3-0-0	3	3
	CET426	ADVANCED FOUNDATION DESIGN	3-0-0		
	CET436	TRANSPORTATION PLANNING	3-0-0		
	CET446	INFORMATICS FOR INFRASTRUCTURE MANAGEMENT	3-0-0		
	CET456	REPAIR AND REHABILITATION OF BUILDINGS	3-0-0		
	CET466	ENVIRONMENTAL REMOTESENSING	3-0-0		
	CET476	BULDING SERVICES	3-0-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	CET418	EARTHQUAKERESISTANT DESIGN	3-0-0	3	3
	CET428	SOIL STRUCTURE INTERACTION	3-0-0		
	CET438	AIRPORT, SEAPORT AND HARBOUR ENGINEERING	3-0-0		
	CET448	HYDROCLIMATOLOGY	3-0-0		
	CET458	SUSTAINABLE CONSTRUCTION	3-0-0		
	CET468	CLIMATE CHANGE & SUSTAINABILITY	3-0-0		
	CET478	BUILDING INFORMATION MODELLING	3-0-0		

## COMPUTER SCIENCE AND ENGINEERING

### SEMESTER IV

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT 206	GRAPH THEORY	3-1-0	4	4
B	CST 202	COMPUTER ORGANIZATION AND ARCHITECTURE	3-1-0	4	4
C	CST 204	DATABASE MANAGEMENT SYSTEMS	3-1-0	4	4
D	CST 206	OPERATING SYSTEMS	3-1-0	4	4
E (1/2)	EST 200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT 200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN 202	CONSTITUTION OF INDIA	2-0-0	2	--
S	CSL 202	DIGITAL LAB	0-0-3	3	2
T	CSL204	OPERATING SYSTEMS LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honors course	3-1-0	4	4
<b>TOTAL</b>				<b>26*</b>	<b>22/26</b>
* Excluding Hours to be engaged for Remedial/Minor/Honors course.					

### SEMESTER VI

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CST 302	COMPILER DESIGN	3-1-0	4	4
B	CST 304	COMPUTER GRAPHICS AND IMAGE PROCESSING	3-1-0	4	4
C	CST 306	ALGORITHM ANALYSIS AND DESIGN	3-1-0	4	4
D	CST ---	PROGRAM ELECTIVE I	2-1-0	3	3
E	HUT 300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	3-0-0	3	3
F	CST 308	COMPREHENSIVE COURSEWORK	1-0-0	1	1
S	CSL 332	NETWORKING LAB	0-0-3	3	2
T	CSD 334	MINI PROJECT	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honors course*	3-1-0	4	4
<b>TOTAL</b>				<b>25*</b>	<b>23/27</b>
* Excluding Hours to be engaged for Remedial/Minor/Honors course.					

## PROGRAM ELECTIVE I

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	CST 312	i FOUNDATIONS OF MACHINE LEARNING	2-1-0	3	3
	CST 322	ii DATA ANALYTICS	2-1-0		
	CST 332	iii FOUNDATIONS OF SECURITY IN COMPUTING	2-1-0		
	CST 342	iv AUTOMATED VERIFICATION	2-1-0		
	CST 362	vi PROGRAMMING IN PYTHON	2-1-0		
	CST 372	vii DATA AND COMPUTER COMMUNICATION	2-1-0		

### COURSES TO BE CONSIDERED FOR COMPREHENSIVE COURSE WORK

i DISCRETE MATHEMATICAL STRUCTURES
ii DATA STRUCTURES
iii OPERATING SYSTEMS
iv COMPUTER ORGANIZATION AND ARCHITECTURE
v DATABASE MANAGEMENT SYSTEMS
vi FORMAL LANGUAGES AND AUTOMATA THEORY

## SEMESTER VIII

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	CST 402	DISTRIBUTED COMPUTING	2-1-0	3	3
B	CST ---	PROGRAM ELECTIVE III	2-1-0	3	3
C	CST ---	PROGRAM ELECTIVE IV	2-1-0	3	3
D	CST ---	PROGRAM ELECTIVE V	2-1-0	3	3
T	CST 404	COMPREHENSIVE COURSE VIVA	1-0-0	1	1
U	CSD 416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	Remedial/Minor/Honors course	3-1-0	4	4
<b>TOTAL</b>				<b>25*</b>	<b>17/21</b>
* Excluding Hours to be engaged for Remedial/Minor/Honors course.					

**PROGRAMME ELECTIVE III**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	CST 414	i DEEP LEARNING	2-1-0	3	3
	CST 424	ii PROGRAMMING PARADIGMS	2-1-0		
	CST 434	iii NETWORK SECURITY PROTOCOLS	2-1-0		
	CST 444	iv SOFT COMPUTING	2-1-0		
	CST 454	v FUZZY SET THEORY AND APPLICATIONS	2-1-0		
	CST 464	vi EMBEDDED SYSTEMS	2-1-0		
	CST 474	vii COMPUTER VISION	2-1-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
C	CST 416	i FORMAL METHODS AND TOOLS IN SOFTWARE ENGINEERING	2-1-0	3	3
	CST 426	ii CLIENT SERVER ARCHITECTURE	2-1-0		
	CST 436	iii PARALLEL COMPUTING	2-1-0		
	CST 446	iv DATA COMPRESSION TECHNIQUES	2-1-0		
	CST 466	vi DATA MINING	2-1-0		
	CST 476	vii MOBILE COMPUTING	2-1-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	CST 418	i HIGH PERFORMANCE COMPUTING	2-1-0	3	3
	CST 428	ii BLOCK CHAIN TECHNOLOGIES	2-1-0		
	CST 438	iii IMAGE PROCESSING TECHNIQUE	2-1-0		
	CST 448	iv INTERNET OF THINGS	2-1-0		
	CST 458	v SOFTWARE TESTING	2-1-0		
	CST 468	vi BIOINFORMATICS	2-1-0		
	CST 478	vii COMPUTATIONAL LINGUISTICS	2-1-0		

## ELECTRONICS & COMMUNICATION ENGINEERING

### SEMESTER IV

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT 204	PROBABILITY, RANDOM PROCESS AND NUMERICAL METHODS	3-1-0	4	4
B	ECT 202	ANALOG CIRCUITS	3-1-0	4	4
C	ECT 204	SIGNALS AND SYSTEMS	3-1-0	4	4
D	ECT 206	COMPUTER ARCHITECTURE AND MICROCONTROLLERS	3-1-0	4	4
E 1/2	EST200	DESIGN AND ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	ECL 202	ANALOG CIRCUITS AND SIMULATION LAB	0-0-3	3	2
T	ECL 204	MICROCONTROLLER LAB	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4**	4
TOTAL				26/30	22/26

### SEMESTER VI

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	ECT 302	ELECTROMAGNETICS	3-1-0	4	4
B	ECT 304	VLSI CIRCUIT DESIGN	3-1-0	4	4
C	ECT 306	INFORMATION THEORY AND CODING	3-1-0	4	4
D	ECTXXX	PROGRAM ELECTIVE I	2-1-0	3	3
E ½	HUT300	INDUSTRIAL ECONOMICS AND FOREIGN TRADE	3-0-0	3	3
	HUT310	MANAGEMENT FOR ENGINEERS	3-0-0	3	3
F	ECT 308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	ECL 332	COMMUNICATION LAB	0-0-3	3	2
T	ECL 334	MINI PROJECT	0-0-3	3	2
R/M/H	VAC	Remedial/Minor/Honours course	3-1-0	4**	4
TOTAL				25/29	23/27

### PROGRAM ELECTIVE I

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	ECT 312	Digital System Design	2-1-0	3	3
	ECT 322	Power Electronics	2-1-0		
	ECT 332	Data Analysis	2-1-0		
	ECT 342	Embedded Systems	2-1-0		
	ECT 352	Digital Image Processing	2-1-0		
	ECT 362	Introduction to MEMS	2-1-0		
	ECT 372	Quantum Computing	2-1-0		

**SEMESTER VIII**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	ECT 402	WIRELESS COMMUNICATION	2-1-0	3	3
B	ECTXXX	PROGRAM ELECTIVE III	2-1-0	3	3
C	ECTXXX	PROGRAM ELECTIVE IV	2-1-0	3	3
D	ECTXXX	PROGRAM ELECTIVE V	2-1-0	3	3
E	ECT 404	COMPREHENSIVE VIVA VOCE	1-0-0	1	1
U	ECD 416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	Remedial/Minor/Honors course	3-1-0	4*	4
TOTAL				25/28	17/21

**PROGRAM ELECTIVE III**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	ECT 414	Biomedical Engineering	2-1-0	3	3
	ECT 424	Satellite Communication	2-1-0		
	ECT 434	Secure Communication	2-1-0		
	ECT 444	Pattern Recognition	2-1-0		
	ECT 454	RF Circuit Design	2-1-0		
	ECT 464	Mixed Signal Circuit Design	2-1-0		
	ECT 474	Entrepreneurship	2-1-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
C	ECT 416	Modern Communication Systems	2-1-0	3	3
	ECT 426	Real Time Operating Systems	2-1-0		
	ECT 436	Adaptive Signal Processing	2-1-0		
	ECT 446	Microwave Devices and Circuits	2-1-0		
	ECT 456	Speech and Audio Processing	2-1-0		
	ECT 466	Analog CMOS Design	2-1-0		
	ECT 476	Robotics	2-1-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	ECT 418	Mechatronics	2-1-0	3	3
	ECT 428	Optimization Techniques	2-1-0		
	ECT 438	Computer Vision	2-1-0		
	ECT 448	Low Power VLSI	2-1-0		
	ECT 458	Internet of Things	2-1-0		
	ECT 468	Renewable Energy Systems	2-1-0		
	ECT 478	Organic Electronics	2-1-0		

## B.TECH IN ELECTRICAL & ELECTRONICS ENGINEERING

### SEMESTER XII

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
A	MAT 204	PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS	3-1-0	4	4
B	EET202	DC MACHINES AND TRANSFORMERS	2-2-0	4	4
C	EET204	ELECTROMAGNETIC THEORY	3-1-0	4	4
D	EET206	DIGITAL ELECTRONICS	3-1-0	4	4
E 1/2	EST200	DESIGN & ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	EEL202	ELECTRICAL MACHINES LAB I	0-0-3	3	2
T	EEL204	DIGITAL ELECTRONICS LAB	0-0-3	3	2
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>26/30</b>	<b>22/26</b>

### SEMESTER VI

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
A	EET302	LINEAR CONTROL SYSTEMS	2-2-0	4	4
B	EET304	POWER SYSTEMS II	3-1-0	4	4
C	EET306	POWER ELECTRONICS	3-1-0	4	4
D	EETXXX	PROGRAM ELECTIVE I	2-1-0	3	3
E 1/2	HUT300	INDUSTRIAL ECONOMICS & FOREIGN TRADE	3-0-0	3	3
	HUT310	MANAGEMENT FOR ENGINEERS	3-0-0	3	3
F	EET308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	EEL332	POWER SYSTEMS LAB	0-0-3	3	2
T	EEL334	POWER ELECTRONICS LAB	0-0-3	3	2
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>28/32</b>	<b>23/27</b>

### PROGRAM ELECTIVE I

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
D	EET312	BIOMEDICAL INSTRUMENTATION	2-1-0	3	3
	EET322	RENEWABLE ENERGY SYSTEMS	2-1-0		
	EET332	COMPUTER ORGANIZATION	2-1-0		
	EET342	HIGH VOLTAGE ENGINEERING	2-1-0		
	EET352	OBJECT ORIENTED PROGRAMMING	2-1-0		
	EET362	MATERIAL SCIENCE	2-1-0		
	EET372	SOFT COMPUTING	2-1-0		

**SEMESTER VIII**

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
A	EET402	ELECTRICAL SYSTEM DESIGN AND ESTIMATION	2-1-0	3	3
B	EETXXX	PROGRAM ELECTIVE III	2-1-0	3	3
C	EETXXX	PROGRAM ELECTIVE IV	2-1-0	3	3
D	EETXXX	PROGRAM ELECTIVE V	2-1-0	3	3
T	EET404	COMPREHENSIVE COURSE VIVA	1-0-0	1	1
U	EED416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>17/21</b>

**PROGRAM ELECTIVE III**

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
B	EET414	ROBOTICS	2-1-0	3	3
	EET424	ENERGY MANAGEMENT	2-1-0		
	EET434	SMART GRID TECHNOLOGIES	2-1-0		
	EET444	ELECTRICAL MACHINE DESIGN	2-1-0		
	EET454	SWITCHED MODE POWER CONVERTERS	2-1-0		
	EET464	COMPUTER AIDED POWER SYSTEM ANALYSIS	2-1-0		
	EET474	MACHINE LEARNING	2-1-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
C	EET416	NONLINEAR SYSTEMS	2-1-0	3	3
	EET426	SPECIAL ELECTRIC MACHINES	2-1-0		
	EET436	POWER QUALITY	2-1-0		
	EET446	COMPUTER NETWORKS	2-1-0		
	EET456	DESIGN OF POWER ELECTRONIC SYSTEMS	2-1-0		
	EET466	HVDC & FACTS	2-1-0		
	EET476	ADVANCED ELECTRONIC DESIGN	2-1-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO	COURSES	L-T-P	HOURS	CREDIT
D	EET418	ELECTRIC AND HYBRID VEHICLES	2-1-0	3	3
	EET428	INTERNET OF THINGS	2-1-0		
	EET438	ENERGY STORAGE SYSTEMS	2-1-0		
	EET448	ROBUST AND ADAPTIVE CONTROL	2-1-0		
	EET458	SOLAR PV SYSTEMS	2-1-0		
	EET468	INDUSTRIAL INSTRUMENTATION & AUTOMATION	2-1-0		
	EET478	BIG DATA ANALYTICS	2-1-0		



## B. TECH MECHANICAL ENGINEERING

### SEMESTER IV

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MAT202	PROBABILITY, STATISTICS AND NUMERICAL METHODS	3-1-0	4	4
B	MET202	ENGINEERING THERMODYNAMICS	3-1-0	4	4
C	MET204	MANUFACTURING PROCESS	3-1-0	4	4
D	MET206	FLUID MACHINERY	3-1-0	4	4
E 1/2	EST200	DESIGN AND ENGINEERING	2-0-0	2	2
	HUT200	PROFESSIONAL ETHICS	2-0-0	2	2
F	MCN202	CONSTITUTION OF INDIA	2-0-0	2	--
S	MEL202	FM & HM LAB	0-0-3	3	2
T	MEL204	MACHINE TOOLS LAB-I	0-0-3	3	2
R/M/ H	VAC	REMEDIAL/MINOR/HONORS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>26/30</b>	<b>22/26</b>

### SEMESTER VI

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MET302	HEAT & MASS TRANSFER	3-1-0	4	4
B	MET304	DYNAMICS AND DESIGN OF MACHINERY	3-1-0	4	4
C	MET306	ADVANCED MANUFACTURING ENGINEERING	3-1-0	4	4
D	METXXX	PROGRAM ELECTIVE I	2-1-0	3	3
E ½	HUT300	INDUSTRIAL ECONOMICS AND FOREIGN TRADE	3-0-0	3	3
	HUT310	MANAGEMENT FOR ENGINEERS	3-0-0	3	3
F	MET308	COMPREHENSIVE COURSE WORK	1-0-0	1	1
S	MEL332	COMPUTER AIDED DESIGN & ANALYSIS LAB	0-0-3	3	2
T	MEL334	THERMAL ENGINEERING LAB-II	0-0-3	3	2
R/M/ H	VAC	REMEDIAL/MINOR/HONOURS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>25/29</b>	<b>23/27</b>

**PROGRAM ELECTIVE I**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	MET312	NONDESTRUCTIVE TESTING	2-1-0	3	3
	MET322	COMPUTATIONAL FLUID DYNAMICS	2-1-0		
	MET332	ADVANCED MECHANICS OF SOLIDS	2-1-0		
	MET342	IC ENGINE COMBUSTION AND POLLUTION	2-1-0		
	MET352	AUTOMOBILE ENGINEERING	2-1-0		
	MET362	PRODUCT DESIGN AND DEVELOPMENT	2-1-0		
	MET372	ADVANCED METAL JOINING TECHNIQUES	2-1-0		

**SEMESTER VIII**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
A	MET402	MECHATRONICS	2-1-0	3	3
B	METXXX	PROGRAM ELECTIVE III	2-1-0	3	3
C	METXXX	PROGRAM ELECTIVE IV	2-1-0	3	3
D	METXXX	PROGRAM ELECTIVE V	2-1-0	3	3
E	MET404	COMPREHENSIVE VIVA VOCE	1-0-0	1	1
U	MED416	PROJECT PHASE II	0-0-12	12	4
R/M/H	VAC	REMEDIAL/MINOR/HONORS COURSE	3-1-0	4*	4
<b>TOTAL</b>				<b>25/28</b>	<b>17/21</b>

**PROGRAM ELECTIVE III**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
B	MET414	QUALITY MANAGEMENT	2-1-0	3	3
	MET424	INDUSTRIAL HYDRAULICS	2-1-0		
	MET434	PRESSURE VESSEL AND PIPING DESIGN	2-1-0		
	MET444	DATA ANALYTICS FOR ENGINEERS	2-1-0		
	MET454	INDUSTRIAL TRIBOLOGY	2-1-0		
	MET464	MICRO AND NANO MANUFACTURING	2-1-0		
	MET474	HEATING AND VENTILATION SYSTEMS	2-1-0		

**PROGRAM ELECTIVE IV**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
C	MET 416	COMPOSITE MATERIALS	2-1-0	3	3
	MET 426	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	2-1-0		
	MET 436	ACOUSTICS AND NOISE CONTROL	2-1-0		
	MET 446	HEAT TRANSFER EQUIPMENT DESIGN	2-1-0		
	MET 456	ROBOTICS AND AUTOMATION	2-1-0		
	MET 466	TECHNOLOGY MANAGEMENT	2-1-0		
	MET 476	CRYOGENIC ENGINEERING	2-1-0		

**PROGRAM ELECTIVE V**

SLOT	COURSE NO.	COURSES	L-T-P	HOURS	CREDIT
D	MET 418	RELIABILITY ENGINEERING	2-1-0	3	3
	MET 428	PROJECT PLANNING AND MANAGEMENT	2-1-0		
	MET438	FRACTURE MECHANICS	2-1-0		
	MET 448	GAS TURBINES AND JET PROPULSION	2-1-0		
	MET 458	ADVANCED ENERGY ENGINEERING	2-1-0		
	MET 468	ADDITIVE MANUFACTURING	2-1-0		
	MET 478	POWER PLANT ENGINEERING	2-1-0		

## SEMESTER II

Course No	Course	Hours/week			IA Marks	ESE Marks	Total	Credits	Exam Slot
		L	T	P					
20MCA102	Advanced Database Management Systems	3	1	-	40	60	100	4	A
20MCA104	Advanced Computer Networks	3	1	-	40	60	100	4	B
<b>20MCA1--</b>	Elective 1	3	1	-	40	60	100	4	C
<b>20MCA1--</b>	Elective 2	3	1	-	40	60	100	4	D
20MCA132	Object Oriented Programming Lab	0	1	3	50	50	100	2	R
20MCA134	Advanced DBMS Lab	0	1	3	50	50	100	2	S
20MCA136	Networking & System Administration Lab	0	1	3	50	50	100	2	T
20MCANC2	Industrial Readiness Training	-	-	1	-	-	-	0	
	Second MOOC Course is to be completed	-	-	-	-	-	-	0	
		<b>12</b>	<b>7</b>	<b>10</b>	<b>310</b>	<b>390</b>	<b>700</b>	<b>22</b>	

<b>Elective I</b>	
20MCA162	Applied Statistics
20MCA164	Organizational Behaviour
20MCA166	Functional Programming
20MCA168	Virtualisation and Containers
20MCA172	Advanced Operating Systems
<b>Elective II</b>	
20MCA182	Business Management
20MCA184	Embedded Systems
20MCA186	Computer Graphics
20MCA188	Artificial Intelligence
20MCA192	IPR and Cyber Laws

## SEMESTER IV

WESTERN									
Course No	Course	Hours/week			IA Marks	ESE Marks	Total	Credits	Exam Slot
		L	T	P					
20MCA242	Comprehensive Viva	-	-	-	-	100	100	6	
20MCA244	Seminar	-	-	2	50	-	50	2	
20MCA246	Main Project	-	-	27	70	30	100	12	
				29	120	130	250	20	
							2350	86	

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	1	2	3	4	5	6	7
Monday							
Tuesday							
Wednesday							
Thursday							
Friday							

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**MCET EPABX Numbers: 0472-2813039, 0472-2802552,  
0472-2814578**

**Help line numbers: 9847756665, 9847756668  
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<b>Accounts Officer</b>	<b>106</b>
<b>MH</b>	<b>135</b>
<b>LH</b>	<b>137</b>

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