

2019

Minutes of the meeting of the Faculty of Engineering, Osmania University held on 25th June, 2019 at 10.30am in the committee room, Administrative Building, Osmania University.

III & IV Sem AICTE

Members Present:

1. Prof. P. Laxminarayana, Dean, Faculty of Engineering, Osmania University
2. Prof. P. Premchand, Dean, Faculty of Informatics, OU
3. Prof. P. Raja Sekhar, CBoS, Dept. of Civil Engineering, OU
4. Prof. P.V. Sudha, CBoS, Dept. of CSE, OU.
5. Dr. R. Hemalatha, CBoS, Dept. of ECE, OU.
6. Prof. B. Mangu, CBoS, Dept. of Electrical Engineering, OU
7. Prof. M.C.S. Reddy, CBoS, Dept. of Mechanical Engineering, OU
8. Prof. M. Malini, CBoS, Dept. of BME, OU.
9. Prof. P. V. N. Prasad, Dept. of EE, UCE, OU
10. Prof. G. Mallesham, Head, Dept. of Electrical Engineering, OU
11. Prof. Prof. M Gopal Naik, Head, Dept. of Civil Engineering, UCE, OU
12. Prof. P. Chandra Sekhar, Head, Dept. of ECE, UCE, OU
13. Prof. M. Malini, Head, Dept. of BME, OU.
14. Prof. K. Shamala, Dept. of CSE, OU
15. The Principal, CBIT, Hyderabad.
16. The Principal, MVSR Engg. College, R.R. Dist
17. The Principal, MJCET, Hyderabad.
18. The Principal, DCET, Hyderabad.
19. The Principal, Methodist College of Engg. Hyderabad.
20. The Principal, Matrusri College of Engg. Hyderabad.
21. Prof. D. Jaya Prakash, NGIT, Hyderabad, (Spl. Invitee)
22. Dr. K. Regin Bose, Principal, Swathi Institute of Tech&Sc, Hyderabad (Spl. Invitee)
23. Prof. Syed Abdul Sattar, Principal, NSAKCET, Hyderabad(Spl. Invitee)
24. Prof. Mohd. Yousuf Ali, Principal, Lords Engg., College, Hyderabad(Spl. Invitee)
25. Prof. Mir Iqbal Faheem, Vice Principal, DCET, Hyderabad (Spl. Invitee)
26. Prof. N.V. Koteswara Rao, CBIT, Hyderabad. (Spl. Invitee)

Agenda for the meeting:

1. To consider the CBCS Scheme and Syllabus for B.E. (4th - Year) VII & VIII - Semesters in the Osmania University Affiliated Engineering Colleges.
2. To consider the revised Scheme for B.E. (1st - Year) I & II - Semester as per AICTE Model Curriculum with from effect the academic Year 2019-2020 in the Osmania University Affiliated Engineering Colleges.
3. To consider the Scheme and Syllabus for B.E. (2nd - Year)-III & IV - Semesters as per AICTE Model Curriculum with effect from the academic Year 2019-2020 in the Osmania University Affiliated Engineering Colleges.
4. To consider the Scheme for B.E. (3rd & 4th - Yrs) - V, VI, VII and VIII - Semesters as per AICTE Model Curriculum in the Osmania University Affiliated Engineering Colleges.
5. To consider the Scheme and Syllabus for M.E. (AICTE Model Curriculum) to be initiated with effect from the academic Year 2019-2020 in the Osmania University Affiliated Engineering Colleges.
6. Any other matter with the permission of the chair.


HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
METHODIST COLLEGE OF ENGG. & TECH.
ABIDS, HYDERABAD

At the outset Dean, Faculty of Engineering, Osmania University welcomed all the members and the special invitees to the meeting.

- Dean, Faculty of Engineering, began the meeting with a power point presentation to apprise the members about the agenda for the meeting and the related issues pertaining to the finalization of scheme and syllabi for B.E. (4th - Year-CBCS) VII & VIII Semesters and the scheme and syllabi for B.E. (2nd - Year) III & IV semesters and for all M.E. /M.Tech., courses as per the AICTE model curriculum.
- The respective Chairpersons-BoS of the Departments of Civil Engineering, Computer Science Engineering, Electronics and Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering respectively presented the details of the subjects and syllabus for all the engineering streams, including Information Technology, Electrical and Instrumentation Engineering, Production Engineering and Automobile Engineering.

The following resolutions were taken after thorough discussion amongst the members present:


- B.E. (4th - Year, CBCS) VII and VIII - Semester for the academic year 2019-2020.
 - Summer Internship of 4 weeks duration is included after the completion of the Semester-VI, which shall be evaluated internally by respective colleges in Semester-VII.
 - All open elective courses are placed in the Semester-VII only and Professional Elective courses are placed in the Semester-VIII.
 - Those of the students willing to register for MOOCs in semester-VIII instead of Professional Electives III, IV & V, should register for those courses approved by the CBoS, OU and respective college MOOCs Coordinators. Such students are strictly not permitted to appear for either CIE or SEE of Professional Electives, if they abstain from attending the semester class work. Further, the students who choose to appear for both MOOCs and Professional Electives must fulfill the minimum attendance criteria in the Professional Electives.
 - The responsibility of passing the MOOCs lies entirely on the student. If he/she fails the MOOCs, she is not eligible to write the supplementary exam for the corresponding Professional Elective. He/she has to clear another MOOC course of the same number of credits in the following semester or year.
 - **The members of the faculty of Engineering unanimously approved the CBCS scheme and syllabi of all the Departments.**
- B.E. III and IV - Semester as per AICTE Model Curriculum with from effect the academic Year 2019-2020.
 - The four Mandatory Courses as prescribed in the AICTE model curriculum, namely, the Induction program, Environmental Science, Indian Constitution and Essence of Indian Traditional Knowledge, shall be covered for all branches within the first two semesters only, starting from this Academic Year 2019-20, and henceforth continue for future

admissions as well. This is done so as to reduce the burden of coursework for students in the further semesters.

- However, as the above mandatory courses were not offered to the students admitted during the Academic Year 2018-19, except for the Induction Program, the students have to complete the mandatory courses in the B.E. III and IV - Semesters. Thus, for this particular academic year, the mandatory courses have to be simultaneously offered to both the first year (I & II - Semesters) and second year (III & IV - Semesters) students.
 - The three mandatory courses as prescribed in the AICTE model curriculum, namely, Environmental Science, Indian Constitution and Essence of Indian Traditional Knowledge, shall be compulsorily offered for all branches within the third and fourth semesters only.
 - The common courses under various heads such as Humanities & Social Sciences, Basic Sciences, Engineering Sciences and Mandatory Courses were listed and their distribution across various branches in the III and IV- Semesters was listed.
 - **The members of the faculty of Engineering unanimously approved the AICTE-MC UG scheme and syllabi of all the Departments.**
- M.E. /M.Tech. I, II, III and IV - Semesters as per AICTE Model Curriculum with from effect the academic Year 2019-2020.
- The distribution of professional core, professional electives, open electives, mandatory courses and project work over the four semesters was listed by respective Departments and the same was approved.
 - **The members of the faculty of Engineering unanimously approved the AICTE-MC P.G. scheme and syllabi of all the Departments.**
 - ✓ The members unanimously approved the rules and regulations for both UG and PG courses, the same rules will be followed by the College of Engineering, Osmania University and all the OU affiliated Engineering Colleges & OU affiliated Engineering Colleges (Autonomous).
 - ✓ Dean, Faculty of Engineering and the members, while thanking all the Chairperson, Board of Studies for all their efforts.
 - ✓ The proposal put forth by a representative from CBIT pertaining to the award of B.E.(Hons.) degree after the student obtains 20 additional Credits as per the AICTE norms and OU rules and regulations was agreed upon unanimously by the members and the same was approved by the members of the faculty of Engineering.

he meeting ended with Dean, Faculty of Engineering thanking all the members for their active participation and in turn all the members present profusely thanked the Dean, Faculty of Engineering for all his efforts in finalizing the scheme and syllabi for the UG and PG courses in faculty of Engineering.

Dean
Faculty of Engineering
Osmania University


4 HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
METHODIST COLLEGE OF ENGG. & TECH.
ABIDS, HYDERABAD

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 501 CE	Reinforced Cement Concrete	3	1	-	4	30	70	3	3
2	PC 502 CE	Theory of Structures – I	3	1	-	4	30	70	3	3
3	PC 503 CE	Concrete Technology	3	-	-	3	30	70	3	3
4	PC 504 CE	Hydraulic Machines	3	-	-	3	30	70	3	3
5	PC 505 CE	Transportation Engg. – I	3	-	-	3	30	70	3	3
6	PC 506 CE	Environmental Engineering	3	-	-	3	30	70	3	3
7	PC 507 CE	Water Resource Engg. – I	3	-	-	3	30	70	3	3
8	PE-I	Professional Elective – I	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
9	PC 551 CE	Fluid Mechanics Lab – II	-	-	2	2	25	50	3	1
10	PC 552 CE	Transportation Engineering Lab	-	-	2	2	25	50	3	1
11	PC 553 CE	Environmental Engineering Lab	-	-	2	2	25	50	3	1
			24	02	06	32	315	710		27

Professional Elective – I		
S. No.	Course Code	Course Title
1	PE 501 CE	Advanced Concrete Technology
2	PE 502 CE	Hydropower Engineering
3	PE 503 CE	Infrastructure Engineering
4	PE 504 CE	Soft Computing Skills in CE

PC: Professional Course **PE:** Professional Elective

L: Lecture **T:** Tutorial **P:** Practical **D:** Drawing

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 601 CE	Steel Structures	3	1	-	4	30	70	3	3
2	PC 602 CE	Structural Engineering Design & Detailing – I (Concrete)	3	1	-	4	30	70	3	3
3	PC 603 CE	Theory of Structures – II	3	1	-	4	30	70	3	3
4	PC 604 CE	Water Resource Engineering II	3	-	-	3	30	70	3	3
5	PC 605 CE	Soil Mechanics	3	-	-	3	30	70	3	3
6	PC 606 CE	Transportation Engineering – II	3	-	-	3	30	70	3	3
7	PE-II	Professional Elective – II	3	-	-	3	30	70	3	3
8	OE-I	Open Elective – I	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	PC 651 CE	Soil Mechanics Lab	-	-	2	2	25	50	3	1
10	PC 652 CE	Concrete Technology Lab	-	-	2	2	25	50	3	1
11	PW 661 CE	Survey Camp	-	-	-	-	-	50	3	2
Total			24	03	04	31	290	710	-	28

PC: Professional Course **PE:** Professional Elective **OE:** Open Elective **PW:** Project Work
L: Lecture **T:** Tutorial **P:** Practical **D:** Drawing
CIE: Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)

Note -1:

1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

- * The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.
- ** Subject is not offered to the students of Civil Engineering Department

Open Elective-I:		
S.No	Course Code	Course Title
1	OE601CE	Disaster Management**
2	OE602CE	Geo Spatial Techniques**
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II		
S.No.	Course Code	Course Title
1	PE 601 CE	Earthquake Resistant Design of Buildings
2	PE 602 CE	Wastewater Treatment
3	PE 603 CE	Ground Improvement Techniques
4	PE 604 CE	Watershed Management

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 701 CE	Str. Engg. Design and Drawing – II (Steel)	3	1	-	4	30	70	3	3
2	PC 702 CE	Estimation Costing & Specifications	3	1	-	4	30	70	3	3
3	PC 703 CE	Finite Element Techniques	3	-	-	3	30	70	3	3
4	PC 704 CE	Prestressed Concrete	3	-	-	3	30	70	3	3
5	PC 705 CE	Foundation Engineering	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	PC 751 CE	Computer Application Lab	-	-	2	2	25	50	3	1
9	PW 761 CE	Project Work – I	-	-	4	4	50	-	-	2
10	SI 762 CE	Summer Internship	-	-	-	-	50	-	-	2
			21	02	06	29	335	540		26

Open Elective – II			Open Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	OE 771 CE**	Green Building Technologies	1	OE 781 CE**	Road Safety Engineering
2	OE 772 CS	Data Science Using R Programming	2	OE 782 IT	Software Engineering
3	OE 773 EC	Fundamentals of IoT	3	OE 783 EC	Principles of Electronic Communications
4	OE 774 EE	Non-Conventional Energy Sources	4	OE 784 EE	Illumination and Electric Traction systems
5	OE 775 ME	Entrepreneurship	5	OE 785 ME	Mechatronics

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Civil Engineering Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 801 CE	Construction Management & Technology	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
5	MC 901 EG	Gender Sensitization	3	-	-	3	30	70	3	-
Practical/ Laboratory Courses										
6	PW 961 CE	Project Work – II	-	-	16	16	50	100	-	8
7		Mandatory Course	-	-	3	3	50	-	3	-
			15	-	19	34	250	450		20

Professional Elective – III			Professional Elective – IV		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 821 CE	Retrofitting and Rehabilitation of Structures	1	PE 831 CE	Structural Dynamics
2	PE 822 CE	Computer Aided Analysis and Design	2	PE 832 CE	Design with Geosynthetics
3	PE 823 CE	Applied Hydrology	3	PE 833 CE	Groundwater Management
4	PE 824 CE	Introduction to Climate Change	4	PE 834 CE	Intelligent Transportation Systems
Professional Elective – V			Mandatory Course		
1	PE 841 CE	Prefabrication Engineering	1	MC 951 SP	Yoga Practice
2	PE 842 CE	Principles of Green Building Practices	2	MC 952 SP	NSS
3	PE 843 CE	Advanced Reinforced Concrete Design	3	MC 953 SP	Sports
4	PE 844 CE	Traffic Engineering & Infrastructure Design			

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

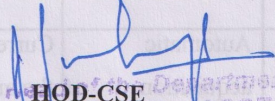
Faculty of Engineering

With effect from the Academic Year 2018-2019

SCHEME OF INSTRUCTION & EXAMINATION

B.E.VSemester(COMPUTERSCIENCE&ENGINEERING)

Professional Elective – I		
S. No.	Course Code	Course Title
1	PE501 CS	Advanced Computer Architecture
2	PE502 CS	Artificial Intelligence
3	PE503 CS	Simulation and Modeling

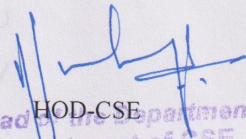

HOD-CSE

Department of CSE
Methodist College of Engg & Tech
Abids, Hyderabad.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. VII - Semester (COMPUTER SCIENCE AND ENGINEERING)

Open Elective – II			Open Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	OE 771 CE	Green Building Technologies	1	OE 781 CE	Road Safety Engineering
2	OE 772 CS**	Data Science Using R Programming	2	OE 782 IT**	Software Engineering
3	OE 773 EC	Fundamentals of IoT	3	OE 783 EC	Principles of Electronic Communications
4	OE 774 EE	Non-Conventional Energy Sources	4	OE 784 EE	Illumination and Electric Traction systems
5	OE 775 ME	Entrepreneurship	5	OE 785 ME	Mechatronics


 HOD-CSE
 Department of CSE
 Methodist College, Engg & Tech
 Abids, Hyderabad

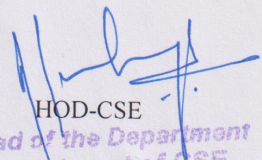
SCHEME OF INSTRUCTION & EXAMINATION

B.E.VISemester(COMPUTERSCIENCE&ENGINEERING)

Open Elective-I:		
S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems**
4	OE602CS	OOP using Java**
5	OE601IT	Database Systems**
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II		
S.No	Course Code	Course Title
1	PE 601CS	Graph Theory and Its Applications
2	PE 602CS	Advanced Computer Graphics
3	PE 603CS	Advanced Databases

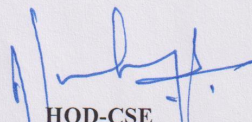
Mandatory Course		
S.No	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports


 HOD-CSE
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 Department of CSE
 Methodist College of Engg & Tech
 Abids, Hyderabad.

SCHEME OF INSTRUCTION & EXAMINATION

B.E. VIII - Semester (COMPUTER SCIENCE AND ENGINEERING)

Professional Elective – III			Professional Elective – IV		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 821 CS	Mobile Computing	1	PE 831 CS	Embedded Systems
2	PE 822 CS	Image Processing	2	PE 832 CS	Information Retrieval Systems
3	PE 823 CS	Software Quality and Testing	3	PE 833 CS	Machine Learning
4	PE 824 CS	Web Services and Architecture	4	PE 834 CS	Natural Language Processing
5	PE 825 CS	Computational Intelligence	5	PE 835 CS	Data Science using R Programming
Professional Elective – V					
1	PE 841 CS	Multicore and GPU Programming			
2	PE 842 CS	Cloud Computing			
3	PE 843 CS	Human Computer Interaction			



HOD-CSE

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Department of CSE
Methodist College of Engg & Tech
Abids, Hyderabad.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. V – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1.	PC501EE	Power Systems-II	3	-	-	4	30	70	3	3
2.	PC502EE	Electrical Machines-II	3	-	-	4	30	70	3	3
3.	PC503EE	Electrical Measurements and Instrumentation	3	1	-	4	30	70	3	3
4.	PC504EE	Linear Control Systems	3	1	-	4	30	70	3	3
5.	PC505EE	Digital Signal Processing and Applications	3	1	-	4	30	70	3	3
6.	PE-1	Professional Elective-I	3	-	-	3	30	70	3	3
7.	MC901EG	Gender Sensitization	3	-	-	3	30	70	3	0
Practical / Laboratory Courses										
8.	PC551EE	Electrical Machines Lab-1	-	-	2	2	25	50	3	1
9.	PC552EE	Power Electronics Lab	-	-	2	2	25	50	3	1
10.	PC553EE	Circuits & Measurements Lab	-	-	2	2	25	50	3	1
		Total	21	3	6	30	285	640		21

Professional Elective-1

PE501EE	Programmable Logic controllers
PE502EE	Electronic Instrumentation
PE503EE	FACTS Devices

MC: Mandatory Course

PC: Professional Course

HS: Humanities and Sciences L: Lecture

T: Tutorial

P : Practical

D: Drawing


CIE:

Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.


 Head of Department
 Department of EEE
 Methodist College of Engg & Tech.
 Abids, Hyderabad-500 001.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI – Semester
(ELECTRICAL AND ELECTRONICS ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/Dr g	Contact Hrs/Wk	CI E	SE E	Duration in Hrs	
Theory Courses										
1.	PC601EE	Electrical Machines-III	3	1	-	4	30	70	3	3
2.	PC602EE	Microprocessors and Microcontrollers	3	1	-	4	30	70	3	3
3.	PC603EE	Switchgear and Protection	3	-	-	3	30	70	3	3
4.	PC604EE	Renewable Energy Technologies	3	-	-	3	30	70	3	3
5.	PE-II	Professional Elective-II	3	-	-	3	30	70	3	3
6.	OE-I	Open Elective-I	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7.	PC651EE	Electrical Machines lab-II	-	-	2	2	25	50	3	1
8.	PC652EE	Digital signal Processing Lab	-	-	2	2	25	50	3	1
9.	PC653EE	Control systems lab	-	-	2	2	25	50	3	1
10.	MC	Mandatory Course			3	3	50	-		-
11.	SI	Summer Internship*								
			18	2	9	29	305	570		21

Professional Elective-II

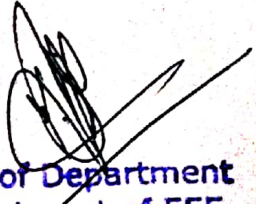
PE601EE	AI Techniques
PE602EE	Electric Distribution System
PE603EE	Digital Control systems

Mandatory course

MC951SP	Yoga Practice
MC951SP	National Service Scheme
MC951SP	Sports

Open Elective-1

OE601CE	Disaster Management
OE602CE	Geospatial Techniques
OE601CS	Operating Systems
OE602CS	OOPS using JAVA
OE601EC	Embedded Systems
OE602EC	Digital System Design Using Verilog HDL
OE601EE	Reliability Engineering**
OE602EE	Basics of Power Electronics**
OE601ME	Industrial Robotics
OE602ME	Material Handling
OE601LA	Intellectual Property Rights


Head of Department
Department of EEE
Methodist College of Engg & Tech.
Abids, Hyderabad-500 001.

SCHEME OF INSTRUCTION & EXAMINATION
B.E.VII- SEMESTER (CBCS)
(Electrical & Electronics Engineering)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1.	PC701EE	Power System Operation and Control	3	1	-	4	30	70	3	3
2.	PC702EE	Electric Drives and Static Control	3	1	-	4	30	70	3	3
3.	PC703EE	Electrical Machine Design	3	1	-	4	30	70	3	3
4.	OE-II	Open Elective - II	3	-	-	3	30	70	3	3
5.	OE-III	Open Elective - III	3	-	-	3	30	70	3	3
Practical's / Laboratory Course										
6.	PC751EE	Electrical Simulation Lab	-	-	2	2	25	50	3	1
7.	PC752EE	Microprocessor and Microcontrollers Lab	-	-	2	2	25	50	3	1
8.	PW761EE	Project Work -I	-	-	2	2	50	-	-	2
9.	SI	Summer Internship(Evaluation)	-	-	2	2	50	-	-	2
Total			15	03	8	13	300	450	-	21

OPEN ELECTIVE-II	
OE701 CE	Green Building Technologies
OE701CS	Database Management Systems
OE702 EC	Fundamentals of IoT
OE701EE	Non-Conventional Energy Sources**
OE701ME	Entrepreneurship

OPEN ELECTIVE-III	
OE702CE	Road Safety Engineering
OE703CS	Data Science Using R Programming
OE703EC	Global and Regional Satellite Navigation Systems
OE702 EE	Illumination and Electric Traction systems**
OE702ME	Mechatronics

*OE701 & OE801EE Elective is not offered to the students of EE Department

HS: Humanities and Sciences
 Science MC: Mandatory Course
 L: Lecture
 CIE: Continuous Internal Evaluation

BS: Basic Science
 PC: Professional Core
 P: Practical

ES: Engineering

D: Drawing

SEE: Semester End Examination (Univ. Exam)

SCHEME OF INSTRUCTION & EXAMINATION
B.E.VIII- SEMESTER (CBCS)
(Electrical & Electronics Engineering)

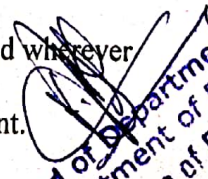
S. No.	Course Code	Course Title	Scheme of Instructions				Scheme of Examination			Credits
			L	T	P/D	Contact Hours/Week	CIE	SEE	Duration in Hours	
Theory Course										
1	PC801EE	Utilization of Electrical Energy	3	-	-	3	30	70	3	3
2	PE-III	Professional Elective- III	3	-	-	3	30	70	3	3
3	PE-IV	Professional Elective- IV	3	-	-	3	30	70	3	3
Practical's / Laboratory Course										
4.	PC851EE	Power Systems Lab	-	-	2	2	25	50	3	1
5.	PW861EE	Project Work- II	-	-	6	2	50	100	-	8
Total			09	00	08	13	165	360		18

PROFESSIONAL ELECTIVE-III	
PE801EE	Power System Reliability
PE802EE	Electric Vehicle and Hybrid Electric Vehicle
PE803EE	Machine Modeling Analysis
PE804EE	High Voltage DC Transmission

PROFESSIONAL ELECTIVE-IV	
PE805EE	Advanced Control Systems
PE806EE	Electrical Estimation Costing & Safety
PE807EE	Advanced Power Electronics
PE808EE	Power Quality

HS: Humanities and Sciences**BS:** Basic Science**ES:** Engineering**ScienceMC:** Mandatory Course**PC:** Professional Core**L:** Lecture**T:** Tutorial**P:** Practical**D:** Drawing**CIE:** Continuous Internal Evaluation **SEE:** Semester End Examination (Univ. Exam)**Note:**

- Each contact hour is a Clock Hour
- The duration of the practical class is two clock hours, however it can be extended whenever necessary, to enable the student to complete the experiment
- ** Open Elective Subject is not offered to the students of EEE & EIE Department.


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SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI- SEMESTER
(ELECTRONICS AND COMMUNICATION ENGINEERING)

CBCS.
VI / VII / VIII

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC601EC	Digital Communication	3	1	0	4	30	70	3	3
2	PC602EC	Antennas and wave propagation	3	1	0	4	30	70	3	3
3	PC603EC	Microprocessor and Microcontroller	3	1	0	4	30	70	3	3
4	HS604EC	Managerial Economics & Accountancy	3	0	0	3	30	70	3	3
5	PE – I	Professional Elective-I	3	0	0	3	30	70	3	3
6	OE – I	Open Elective-I	3	0	0	3	30	70	3	3
Practical/Laboratory Courses										
7	PC651EC	Communication Lab	0	0	2	2	25	50	3	1
8	PC652EC	Microprocessor and Microcontroller Lab	0	0	2	2	25	50	3	1
9	MC	Mandatory Course	-	-	3	3	50	-	3	0
10	PC653EC	Summer Internship*	-	-	-	-	50	-	-	-
Total			18	3	7	28	280	520		20

PC: Professional Course PE: Professional Elective OE: Open Elective

HS: Humanities and Social Science MC: Mandatory Course

L: Lecture T: Tutorial P: Practical D: Drawing

CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour.
2. The Practical class can be of two and half hour (clock hours) duration as per therequirement of a particular laboratory.
3. *The students have to undergo a summer internship of four week duration after sixth semester and credits will be awarded in seventh semester after evaluation.

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Professional Elective – I			Open Elective - I		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE671EC	Digital Image Processing	1	OE632AE	Automotive Safety & Ergonomics
2	PE672EC	Data Communication and computer networking	2	OE601CE	Disaster Management
3	PE673EC	Optical Communication	3	OE602CE	Geo Spatial Techniques
4	PE674EC	Digital TV Engineering	4	OE601CS	Operating Systems
			5	OE602CS	OOP using Java
			6	OE601EC	Principles of Embedded Systems **
			7	OE602EC	Digital System Design using Verilog HDL **
			8	OE601EE	Reliability Engineering
			9	OE602EE	Basics of Power Electronics
			10	OE601ME	Industrial Robotics
			11	OE602ME	Material Handling
			12	OE601LA	Intellectual Property Rights

Mandatory Course		
S. No.	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

Note: ** Indicates that subject is not offered to the students of Electronics and Communication Engineering Department.

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 DEPARTMENT OF ECE
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 ABIDJEE, HYDRABAD

2019-20
CBCS

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 701 EC	Embedded System	3	-	-	3	30	70	3	3
2	PC 702 EC	VLSI Design	3	-	-	3	30	70	3	3
3	PC 703 EC	Microwave Techniques	3	-	-	3	30	70	3	3
4	HS 707 ME	Industrial Administration and Financial Management	3	-	-	3	30	70	3	3
5		Professional Elective – II	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
8	MC 771 EG	Human Values and Professional Ethics	2	-	-	2	30	70	3	-
Practical/ Laboratory Courses										
9	PC 751 EC	Microwave Lab	-	-	2	2	25	50	3	1
10	PC 752 EC	Electronic Design & Automation Lab	-	-	2	2	25	50	3	1
11	PW 761 EC	Project Work – I	-	-	4	4	50	-	-	2
12	SI 762 EC	Summer Internship	-	-	-	-	50	-	-	2
			23	-	08	31	390	660		27

Professional Elective – II			Open Elective – II		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 721 EC	Mobile and Cellular Communications	1	OE 771 CE	Green Building Technologies
2	PE 722 EC	Speech Signal Processing	2	OE 772 CS	Data Science Using R Programming
3	PE 723 EC	Electronic Measurements and Instrumentation	3	OE 773 EC**	Fundamentals of IoT
4	PE 724 EC	Digital Signal Processor Architectures	4	OE 774 EE	Non-Conventional Energy Sources
			5	OE 775 ME	Entrepreneurship
Open Elective – III					
S. No.	Course Code	Course Title			
1	OE 781 CE	Road Safety Engineering			
2	OE 782 IT	Software Engineering			
3	OE 783 EC**	Principles of Electronic Communications			
4	OE 784 EE	Illumination and Electric Traction systems			
5	OE 785 ME	Mechatronics			

PC: Professional Course
PE: Professional Elective
L: Lectures T: Tutorials
P: Practical D: Drawing

CIE: Continuous Internal Evaluation
SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of ECE Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – III	3	-	-	3	30	70	3	3
2		Professional Elective – IV	3	-	-	3	30	70	3	3
3		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	PW961 EC	Project Work – II	-	-	16	16	50	100	-	8
			09	-	16	25	140	310		17

Professional Elective – II			Professional Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 821 EC	Field Programmable Gate Arrays	1	PE 831 EC	Wireless Sensor Networks
2	PE 822 EC	Internet of Things	2	PE 832 EC	Global Navigational Satellite Systems
3	PE 823 EC	Neural Networks	3	PE 833 EC	System Verilog
4	PE 824 EC	Satellite Communications	4	PE 834 EC	Multirate Signal Processing
Professional Elective – IV					
1	PE 841 EC	Real Time Operating Systems			
2	PE 842 EC	Fuzzy Logic And Applications			
3	PE 843 EC	Radar Systems			
4	PE 844 EC	Design of Fault Tolerant Systems			

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(MECHANICAL ENGINEERING)

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hr/Wk	CIE	SEE	Duration in Hours	
Theory Courses										
1.	PC601ME	Metal Cutting & Machine Tools	3	-	-	3	30	70	3	3
2.	PC602ME	Refrigeration & Air Conditioning	4	-	-	4	30	70	3	4
3.	PC603ME	Hydraulic Machinery & Systems	4	-	-	4	30	70	3	4
4.	PC604ME	Metrology & Instrumentation	3	-	-	3	30	70	3	3
5.	PC605ME	Automobile Engineering	3	-	-	3	30	70	3	3
6.	PE - I	Professional Elective-I	3	-	-	3	30	70	3	3
7.	OE - I	Open Elective - I	3	-	-	3	30	70	3	3
Practical / Laboratory Courses										
7.	PC651ME	Metrology & Machine Tools Lab			2	2	25	50	3	1
8.	PC652ME	Hydraulic Machinery Lab			2	2	25	50	3	1
9.	MC	Mandatory Course	-	-	3	3	50	-	3	0
10.	SI 671ME	Summer Internship*								
Total			23		7	30	310	590		25

PE: Professional Elective MC: Mandatory Course OE: Open Elective SI: Summer Internship
 L: Lecture T: Tutorial P: Practical D: Drawing
 CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ. Exam)

Note -1:

- Each contact hour is a Clock Hour
- The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:

- * The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.
- ** Subject is not offered to the students of Mechanical Engineering, Production Engineering and Automobile Engineering Department.



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Mechanical Engineering Department
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Open Elective-I:		
S.No	Course Code	Course Title
1	OE601CE	Disaster Management
2	OE602CE	Geo Spatial Techniques
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using Verilog HDL
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics**
11	OE602ME	Material Handling**
12	OE632AE	Automotive Safety & Ergonomics**

Professional Elective – I		
S.No	Course Code	Course Title
1	PE601ME	Non-Conventional Energy Sources
2	PE602ME	Modern Machining and Forming Methods

Mandatory Course		
S.No	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports



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Mechanical Engineering Department
Methodist College of Engg & Tech
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SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(MECHANICAL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 701 ME	Thermal Turbo Machines	3	1	-	4	30	70	3	3
2	PC 702 ME	Finite Element Analysis	3	1	-	4	30	70	3	3
3	PC 703 ME	Industrial Engineering	3	-	-	3	30	70	3	3
4	PC 704 ME	Production And Operations Management	3	-	-	3	30	70	3	3
5	HS 901 MB	Managerial Economics and Accountancy	3	-	-	3	30	70	3	3
6		Open Elective-II								
7		Open Elective-III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	PC 751 ME	Thermal Engineering Lab	-	-	2	2	25	50	3	1
9	PC 752 ME	CAE Lab	-	-	2	2	25	50	3	1
10	PW 761 ME	Project Work - I	-	-	4	4	50	-	-	2
11	SI 762 ME	Summer Internship	-	-	-	-	50	-	-	2
			21	02	08	31	360	590		27

Open Elective - II			Open Elective - III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	OE 771 CE	Green Building Technologies	1	OE 781 CE	Road Safety Engineering
2	OE 772 CS	Data Science Using R Programming	2	OE 782 IT	Software Engineering
3	OE 773 EC	Fundamentals of IoT	3	OE 783 EC	Principles of Electronic Communications
4	OE 774 EE	Non-Conventional Energy Sources	4	OE 784 EE	Illumination and Electric Traction systems
5	OE 775 ME**	Entrepreneurship	5	OE 785 ME**	Mechatronics

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

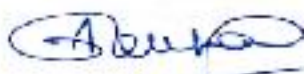
SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of Mechanical Engineering Department.



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Mechanical Engineering Department
Methodist College of Engg & Tech
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**SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(MECHANICAL ENGINEERING)**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – II	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	PW 961 ME	Project Work – II	-	-	16	16	50	100	-	8
			12	-	16	28	170	380		20

Professional Elective – II			Professional Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 821 ME	Design of Solar Energy System	1	PE 826 ME	Power Plant Engineering
2	PE 822 ME	Mechanical Vibrations	2	PE 827 ME	Robotic Engineering
3	PE 823 ME	Composite Materials	3	PE 828 ME	Tool Design
4	PE 824 ME	Non-Destructive Testing	4	PE 829 ME	Product Design And Process Planning
Professional Elective – IV			Professional Elective – V		
1	PE 831 ME	Intellectual Property Rights	1	PE 841 ME	Energy Conservation and Management
2	PE 832 ME	Additive Manufacturing Technology	2	PE 842 ME	Advanced Propulsion and Space Science
3	PE 833 ME	Machine Tool Engineering and Design	3	PE 843 ME	Waste Heat Recovery and Co-Generation
4	PE 834 ME	Entrepreneurship Development	4	PE 844 ME	Aerodynamic Design of Thermal Turbines

PC: Professional Course

L: Lectures

T: Tutorials

CIE: Continuous Internal Evaluation

PE: Professional Elective

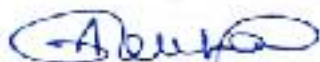
P: Practical

D: Drawing

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment



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**Mechanical Engineering Department
Methodist College of Engg & Tech
King Kott, Hyderabad-500 001.**

M. E. Mechanical Engineering (CAD/CAM)

Syllabus Ref. No. (Code)	Subject Title	Contact hrs Per week	Scheme of Examination		Credits
			CIE	SEE	
Core Subjects:					
ME2301	Automation	3	30	70	3
ME2401	Finite Element Techniques	3	30	70	3
ME2402	Computer Aided Modeling and Design	3	30	70	3
ME2403	Computer Integrated Manufacturing	3	30	70	3
ME2404	Failure Analysis and Design	3	30	70	3
ME2306	Computer Aided Mechanical Design and Analysis	3	30	70	3
Elective Subjects:					
ME2302	Control of Dynamic Systems	3	30	70	3
ME2303	Robotic Engineering	3	30	70	3
ME2308	Optimization Techniques	3	30	70	3
ME2309	Vibrations Analysis and Condition Monitoring	3	30	70	3
ME2001	Engineering Research Methodology	3	30	70	3
ME2311	Neural Networks and Fuzzy Logic	3	30	70	3
ME2312	Artificial Intelligence and Expert Systems	3	30	70	3
ME2107	Mechanics of Composite Materials	3	30	70	3
ME2109	Theory of Elasticity and Plasticity	3	30	70	3
ME2110	Experimental Techniques and Data Analysis	3	30	70	3
ME2601	Design for Manufacture	3	30	70	3
ME2405	Data Base Management Systems	3	30	70	3
ME2406	Fracture Mechanics	3	30	70	3
ME2505	Design of Press Tools	3	30	70	3
ME2506	Design of Dies	3	30	70	3
ME2206	Computational Fluid Dynamics	3	30	70	3
ME2112	Additive Manufacturing Technologies and Applications	3	30	70	3
ME2113	Flexible Manufacturing Systems	3	30	70	3
ME2111	Product Design and Process Planning	3	30	70	3
Departmental Requirements:					
ME2431	CAD/CAM Lab (Lab –I)	2	50	-	2
ME2032	Computation Lab (Lab –II)	2	50	-	2
ME2033	Seminar I	2	50	-	2
ME2034	Seminar II	2	50	-	2
ME2035	Project Seminar	6	150	-	12
ME2036	Dissertation	4	100	-	8

CIE : Continuous Internal Evaluation SEE : Semester End Examination

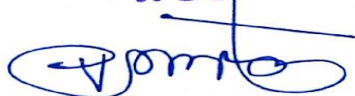

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 Mechanical Engineering Department
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**DEPARTMENT OF
MECHANICAL ENGINEERING**

Scheme of Instruction and Syllabus


H.O.D.

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Method: Code of Engg & Tech
Mechanical Engineering Department
H.O.D.



**ing Department
of Engg & Tech
abad-500 001.**



**UNIVERSITY COLLEGE OF ENGINEERING
(Autonomous)**

Osmania University

Hyderabad — 500 007, Telangana, INDIA


Scheme of Instruction & Examination
M.E. (Mechanical Engineering) 4 Semesters (Full Time)

Sl. No	Subject	Hours per week		Duration (Hrs)	Max. Marks		Credits
		L/T	D/P		SEE	CIE	
Semester - I							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory - I	--	3	3	--	50	2
8.	Seminar – I	--	3	3	--	50	2
	Total	18	6	24	420	280	22
Semester - II							
1.	Core	3	--	3	70	30	3
2.	Core	3	--	3	70	30	3
3.	Core / Elective	3	--	3	70	30	3
4.	Core / Elective	3	--	3	70	30	3
5.	Elective	3	--	3	70	30	3
6.	Elective	3	--	3	70	30	3
7.	Laboratory - II	--	3	3	--	50	2
8.	Seminar - II	--	3	3	--	50	2
	Total	18	6	24	420	280	22
Semester - III							
1.	Project+ Seminar*	--	4	4	--	100**	8
Semester – IV							
1.	Dissertation	--	6	6	200	-	16

Note: Six core subjects, six elective subjects, two laboratory courses and two seminars should normally be completed by the end of semester II.

* One project seminar presentation.

** 50 marks to be awarded by guide and 50 marks to be awarded by viva-voice committee comprising Guide and two internal senior faculty members (subject experts)


H.O.D.
 Mechanical Engineering Department
 Methodist College of Engg & Tech
 King Kott, Hyderabad-500 001.



**DEPARTMENT OF BUSINESS MANAGEMENT
OSMANIA UNIVERSITY, HYDERABAD**

**MBA (Day & Part – time – Evening 2 years) Structure and Syllabus As Per CBCS with
Guidelines Effective From 2016-2017**

Year-I Semester –I

Course Code	Course Title	Nature	Credits	HPW	Max Marks (IA+UE) 100
MB101	Management & Organizational Behaviour	Core	5	5	20+80
MB102	Accounting for Management	Core	5	5	20+80
MB103	Marketing Management	Core	5	5	20+80
MB104	Generic Elective-I 1. Business Law & Ethics 2. Fundamentals of Technology Management 3. Managerial Economics	Generic	4	4	20+80
MB105	Generic Elective-II 1. IT Applications for Management 2. Business Communication 3. Customer Relationship Management	Generic	4	4	20+80
MB106	Computer Practical's and Seminars	Practical	1	2	25
Semester Credits			24	25	525

Year-I Semester –II

Course Code	Course Title	Nature	Credits	HPW	Max Marks (IA+UE) 100
MB201	Human Resources Management	Core	5	5	20+80
MB202	Financial Management	Core	5	5	20+80
MB203	Business Research Methods	Core	5	5	20+80
MB204	Generic Elective-III 1. Economic Environment and Policy 2. Business Process Re-engineering 3. International Business 4. Financial Market & Services	Generic	4	4	20+80
MB205	Generic Elective-IV 1. Total Quality Management 2. Strategic Management Accounting 3. Start Up Management 4. Retail Management	Generic/	4	4	20+80
MB206	Seminar/ Work Shop/ Case Studies	-----	1	2	Grade
Semester Credits			24	25	500
Yearly Credits			48	50	1025

**Revised MBA (Day) Course Structure and Syllabus As Per CBCS Guidelines with Effect From 2016
Year-II – Semester-III**

Course Code	Course Title	Nature	Credits	HPW	Max Marks (IA+UE) 100
MB301	Operations Management	Core	5	5	20+80
MB302	E- Business	Core	5	5	20+80
MB303	Operations Research	Core	5	5	20+80
MB304	Discipline Specific Elective- I 1. Financial Risk Management(Finance) 2.Product & Brand Management (Marketing) 3.Compensation Management (Human Resource) 4.Decision Support Systems (System)	DSE	4	4	20+80
MB305	Discipline Specific Elective – II 1. International Finance(Finance) 2. Promotion & Distribution Management(Marketing) 3.Organization Development (Human Resource) 4. Business Analytics (Systems)	DSE	4	4	20+80
MB306	Interdisciplinary Courses Management Theory and Practice	ID	4	4	20+80
	OR Innovation Management (for all affiliated colleges including constituent colleges in lieu of ID Paper)	Non-ID			
MB307 *	Tutorials Project work Synopses		1	2	25
Total credits at the end of IIIrd Semester			28	29	625

Year-II – Semester IV

Course Code	Course Title	Nature	Credits	HPW	Max Marks (IA+UE) 100
MB401	Strategic Management	Core	5	5	20+80
MB402	Business Intelligence	Core	5	5	20+80
MB403	Supply Chain Management	Core	5	5	20+80
MB404	DS Elective- III 1.Investment Management (Finance) 2.Consumer Behaviour (Marketing) 3.Performance Management (Human Resource) 4.Data Base Management Systems (System)	DSE	4	4	20+80
MB405	DS Elective- IV 1.Banking & Insurance (Finance) 2.Services & Global Marketing (Marketing) 3.Talent & Knowledge Mgt (Human Resource) 4.Software Project Management (System)	DSE	4	4	20+80
MB406	Project Work	-----	1	2	Grade *
MB407	Comprehensive Viva - Voce	-----	1	--	Grade *
Semester Credits			25	25	500
Total credits at the end of IVth and final Semester			49	50	2150
			97	100	

- **ID – INTER DISCIPLINARY**
- **DSE – Discipline Specific Elective**

* Evaluation will be done for 100 marks, which will be converted to equivalent grades.

* **Project Work Synopsis:-** Student must present briefly the research methodology of the project topic he intends to submit in IV semester as project report.