COURSE STRUCTURE AND SYLLABUS

For PG –DR23

M. TECH. -COMPUTER SCIENCE & ENGINEERING

(Applicable for batches admitted from2023-2024)

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

ANAKAPALLE-531002, Andhra Pradesh, India

I-SEMESTER

S.No	Course Code	Course Component	Courses	L	T	P	C
1	23MTCSE1101	PC	**Program Core-1** Mathematical Foundations of Computer Science	3	0	0	3
2	23MTCSE1102	PC	**Program Core-2** Advanced Data Structures & Algorithms	3	0	0	3
3	23MTCSE1103A 23MTCSE1103B 23MTCSE1103C	PE	**Program Elective-1** 1. Big Data Analytics 2. Digital Image Processing 3. Advanced Operating Systems	3	0	0	3
4	23MTCSE1104A 23MTCSE1104B 23MTCSE1104C	PE	**Program Elective-2** 1. Advanced Computer Networks 2. Internet of Things 3. Object Oriented Software Engineering	3	0	0	3
5	23MTCSE1105	CC	**Research Methodology and IPR**	2	0	0	2
6	23MTCSE1106	LB	**Laboratory-1** Advanced Data Structures & Algorithms Lab	0	0	4	2
7	23MTCSE1107	LB	**Laboartory-2** Advanced Computing Lab	0	0	4	2
8	23MTCSE1108	AC	**Audit Course-1***	2	0	0	0
Total Credits							18

Student has to choose any one audit course listed below.

II SEMESTER

S. No	Course Code	Course Comp-onent	Courses	L	T	P	C
1	23MTCSE1201	PC	**Program Core-3** Machine learning	3	0	0	3
2	23MTCSE1202	PC	**Program Core-4** MEAN Stack Technologies	3	0	0	3
3	23MTCSE1203A 23MTCSE1203B 23MTCSE1203C	PE	**Program Elective-3** 1.Advanced Databases and Mining 2. Ad Hoc & Sensor Networks 3. Soft Computing	3	0	0	3
4	23MTCSE1204A 23MTCSE1204B 23MTCSE1204C	PE	**Program Elective-4** 1. Cloud Computing 2. Principles of computer security 3. High Performance Computing	3	0	0	3
5	23MTCSE1205	LB	**Laboratory-3** Machine Learning with python lab	0	0	4	2
6	23MTCSE1206	LB	**Laboartory-4** MEAN Stack Technologies Lab	0	0	4	2
7	23MTCSE1207	MP	**Mini Project with Seminar**	2	0	0	2
8	23MTCSE1208	AC	**Audit Course-2 ***	2	0	0	0
Total Credits							18

Student has to choose any one audit course listed below.
Audit Course 1 & 2:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Personality Development through Value Education
5. Life Enlightenment Skills
6. Constitution of India
7. Pedagogy Studies
8. Stress Management by Yoga

III SEMESTER

S. No	Course Code	Course Component	Courses	L	T	P	C
1	23MTCSE2101A 23MTCSE2101B 23MTCSE2101C	PE	**Program Elective-5** 1. Deep Learning 2. Social Network Analysis 3. MOOCs-1 (NPTEL/SWAYAM) 12 Weeks Program related to the programme which is not listed in the course structure	3	0	0	3
2	23MTCSE2102A 23MTCSE2102B	OE	**Open Elective** 1. MOOCs- 2 (NPTEL/SWAYAM) - Any 12 Week Course on Engineering/ Management/ Mathematics offered by other than parent department 3. Course offered by other departments in the college	3	0	0	3
3	23MTCSE2103	PJ	**Dissertation-I/ Industrial Project #**	0	0	20	10
Total Credits							16

#Students going for Industrial Project / Thesis will complete these courses through MOOCs

IVSEMESTER

S.No	Course Code	Course Component	Courses	L	T	P	C
1	23MTCSE2201	PJ	**Dissertation-II**	0	0	32	16
Total Credits							16

Open Electives offered by the Department of CSE

1. Python Programming
2. Principles of Cyber Security
3. Internet of Things
4. Machine Learning
5. Digital forensics
6. Next Generation Databases

DR - 23 SYLLABUS

For

MASTER OF BUSINESS ADMINISTRATION
(Applicable for the batches admitted from 2023-24
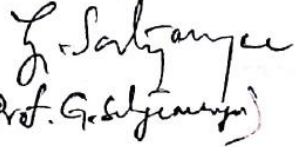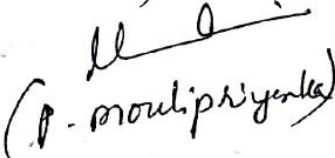
I YEAR I SEMESTER

S.No	Course Code	Courses	Marks	L	T	P	C
1	DR-23 MB-101	Management and Organizational Behavior	100	4	0	0	4
2	DR 23 MB-102	Managerial Economics	100	4	0	0	4
3	DR 23 MB-103	Accounting for Managers	100	4	0	0	4
4	DR 23 MB-104	Quantitative Analysis for Business Decisions	100	4	0	0	4
5	DR 23 MB-105	Legal and Business Environment	100	4	0	0	4
6	DR 23 MB-106	Business Communication and Soft skills	100	4	0	0	4
7	DR 23 MB-107 Open Elective	Cross Cultural Management Rural Innovation projects MOOCs : SWAYAM/NPTEL- Related to Management Courses other than listed courses in the syllabus	100	4	0	0	4
8	DR 23 MB-108	Business Communication and Soft skills Lab	50	0	0	2	2
9	DR 23 MB-109	Information Technology – Lab1(Spreadsheet and Tally)	50	0	0	2	2
		Total	800	28	0	4	32

(Prof. J. Ravi) (Dr.P.Srudivi) (Saiprosad) (Prof. G. Sdyanerryen)

(P. mouliphiyenke)

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(AN AUTONOMOUS INSTITUTE)

I YEAR II SEMESTER

S.No	Course Code	Courses	Marks	L	T	P	C
1	DR 23MB -201	Financial Management	100	4	0	0	4
2	DR 23MB -202	Human Resource Management	100	4	0	0	4
3	DR 23MB -203	Marketing Management	100	4	0	0	4
4	DR 23MB -204	Operations Management	100	4	0	0	4
5	DR 23MB -205	Business Research Methods	100	4	0	0	4
6	DR 23MB -206 open elective	Project Management Technology Management Lean Management Database Management System	100	4	0	0	4
7	DR 23MB -207	IT-lab 2(Programming R)	50	0	0	2	2
		Total	650	24	0	2	26

(Prof. J. Ravi) (Dr.P.SrueDus) (Saiprasad) (Prof. G.Sulyanye)

(P. moulipriyenka)

II YEAR III SEMESTER

S.No	Course Code	Courses	Marks	L	T	P	C
1	DR 23MB -301	Business Policy & Strategic Management	100	4	0	0	4
2	DR 23MB -302	Operations Research	100	4	0	0	4
3	DR 23MB -301	Elective – 1	100	4	0	0	3
4	DR 23MB -302	Elective – 2	100	4	0	0	3
5	DR 23MB -303	Elective – 3	100	4	0	0	3
6	DR 23MB -304	Elective – 4	100	4	0	0	3
7	DR 23MB -303	Industrial Project based on Summer Internship	100	0	0	0	4
		Total	700	28	0	0	24

II YEAR IV SEMESTER

S.No	Course Code	Courses	Marks	L	T	P	C
1	DR 23MB -401	Supply Chain Management & Analytics	100	4	0	0	4
2	DR 23MB -402	Entrepreneurship & Small Business Management	100	4	0	0	4
3	DR 23MB -401	Elective – 5	100	4	0	0	3
4	DR 23MB -402	Elective – 6	100	4	0	0	3
5	DR 23MB -403	Elective – 7	100	4	0	0	3
6	DR 23MB -404	Elective – 8	100	4	0	0	3
7	DR 23MB -403	Comprehensive Viva- yoce	50	0	0	0	2
		Total Marks / Credits	650	28	0	0	22
			2800				104

(Prof. S.Ravi) (Dr. P. SuDevi) (Jiss Ciprasad) (P. mouli priyesha) (Prof. G.Satyarya)

*The project work documentation shall be checked with anti plagiarism software (Turnitin). The permissible similarity shall be less than 30%.

*Comprehensive Viva is to verify the student knowledge as a whole from which he was studied during the two year course work.
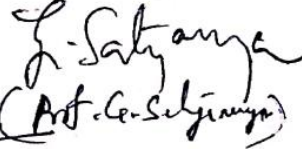
III SEMESTER
Human Resource Management

S. no	Course Code	SUBJECT TITLE
1	DR 23MB EH-301	Leadership and Change Management
2	DR 23MB EH-302	Performance Evaluation and Compensation Management
3	DR 23MB EH-303	Human Resource Metrics and Analytics
4	DR 23MB EH-304	Human Capital Management
5	DR 23MB EH-305	Manpower Planning, Recruitment, and Selection

IV SEMESTER
Human Resource Management

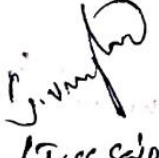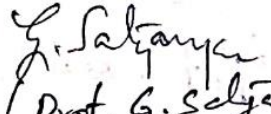| S. no	Course Code	SUBJECT TITLE
6	DR 23MB EH-401	Labor Welfare and employment laws
7	DR 23MB EH-402	International HRM
8	DR 23MB EH-403	Employee Relations and Engagement
9	DR 23MB EH-404	Human Resources Development
10	DR 23MB EH-405	Strategic HRM

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(P. mouli priyanka)
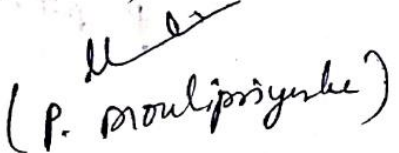
III SEMESTER FINANCE

S. no	Course Code	SUBJECT TITLE
1	DR 23MB FF-301	Security Analysis and Portfolio Management
2	DR 23MB EF-302	Managing Banks and Financial Institutions
3	DR 23MB EF-303	Financial Markets and Services
4	DR 23MB EF-304	Mutual Funds
5	DR 23MB EF-305	Taxation

IV SEMESTER FINANCE

S. no	Course Code	SUBJECT TITLE
6	DR 23MB EF-401	Financial Derivatives
7	DR 23MB EF-402	Global Financial Management
8	DR 23MB EF-403	Insurance Management
9	DR 23MB EF-404	Strategic Financial Management
10	DR 23MB EF-405	Financial Risk Management

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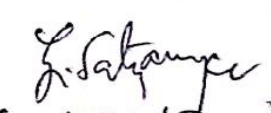
(P. mouliprriyanka)
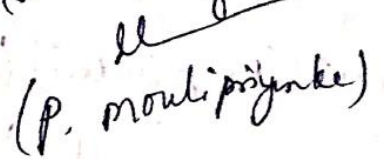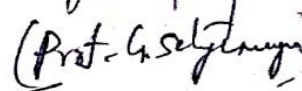
III SEMESTER - ELECTIVES
MARKETING
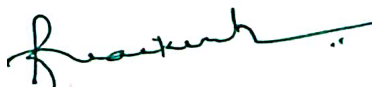
S. no	Course Code	SUBJECT TITLE
1	DR 23MB EM-301	Consumer Behavior
2	DR 23MB EM-302	Retail Management
3	DR 23MB EM-303	Customer Relationship Management
4	DR 23MB EM-304	Strategic Marketing Management
5	DR 23MB EM-305	Digital and Social Media Marketing

IV SEMESTER MARKETING

S. no	Course Code	SUBJECT TITLE
6	DR 23MB EM-401	Services Marketing
7	DR 23MB EM-402	Promotional and Distribution Management
8	DR 23MB EM-403	Green Marketing
9	DR 23MB EM-404	Advertising and Brand Management
10	DR 23MB EM-405	Global Marketing Management

(Prof. J. Ravi) (Dr. P. Sudhir) (Juss sipmaf) (Prof. G. Satyanuyi)

(P. moulipriynke)

IQAC Chairman-Principal