



# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)

NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: [www.diet.edu.in](http://www.diet.edu.in), E-mail: [info@diet.edu.in](mailto:info@diet.edu.in)

## List of Courses Including Experiential Learning 2021-22

S N	Program Code	Total Courses that Include in experienced learning through projects/internships/Field Works in the Year 2018-19	Course Code
1	0	BCSS LAB	MB1918
2	0	MANAGEMENT AND ORGANIZATIONAL BEHAVIOR	MB1911
3	0	MANAGERIAL ECONOMICS	MB1912
4	0	ACCOUNTING FOR MANAGERS	MB1913
5	0	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	MB1914
6	0	LEGAL AND BUSINESS ENVIRONMENT	MB1915
7	0	BUSINESS COMMUNICATION AND SOFT SKILLS	MB1916
8	0	IT -1 LAB	MB1917
9	0	Financial Management	MB1921
10	0	Human Resource Management	MB1922
11	0	Marketing Management	MB1923
12	0	Operations Management	MB1924
13	0	Business Research Methods	MB1925
14	0	IT L -2 (PROGRAMMING R)	MB1926
15	0	Project Management	MB192A
16	0	Database Management System	MB192D
17	0	STRATEGIC MANAGEMENT	MB1931
18	0	OPERATIONS RESEARCH	MB1932
19	0	INDUSTRIAL PROJECT BASED ON SUMMER INTERNSHIP	MB1933
20	0	LEADERSHIP AND CHANGE MANAGEMENT - (HR) E14	MB193A1
21	0	PERFORMANCE EVALUATION AND COMPENSATION MANAGEMENT - (HR) E14	MB193A2
22	0	HUMAN RESOURCE METRICS AND ANALYTICS - (HR) E14	MB193A3
23	0	HUMAN CAPITAL MANAGEMENT - (HR) E14	MB193A4
24	0	MANPOWER PLANNING, RECRUITMENT, AND SELECTION - (HR) E14	MB193A5
25	0	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1
26	0	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2
27	0	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3
28	0	MERGERS, ACQUISITIONS AND CORPORATE RESTRUCTURING - (FINANCE) E14	MB193B4
29	0	TAXATION - (FINANCE) E14	MB193B5
30	0	CONSUMER BEHAVIOR - (MARKETING) E14	MB193C1

31	0	RETAIL MANAGEMENT - (MARKETING) E14	MB193C2
32	0	CUSTOMER RELATIONSHIP MANAGEMENT - (MARKETING) E14	MB193C3
33	0	STRATEGIC MARKETING MANAGEMENT - (MARKETING) E14	MB193C4
34	0	DIGITAL AND SOCIAL MEDIA MARKETING - (MARKETING) E14	MB193C5
35	0	SUPPLY CHAIN MANAGEMENT AND ANALYTICS	MB1941
36	0	INNOVATION AND ENTREPRENEURSHIP	MB1942
37	0	COMPREHENSIVE VIVA - VOICE	MB1943
38	0	LABOR WELFARE AND EMPLOYMENT LAWS -HR(E14)	MB194A1
39	0	INTERNATIONAL HRM-HR (E14)	MB194A2
40	0	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A3
41	0	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4
42	0	STRATEGIC HRM -HR(E14)	MB194A5
43	0	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1
44	0	GLOBAL FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B2
45	0	FINANCIAL RISK MANAGEMENT-FINANCE(E14)	MB194B3
46	0	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4
47	0	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5
48	1	MATHEMATICS-I	R201101
49	1	COMMUNICATIVE ENGLISH	R201102
50	1	ENGINEERING PHYSICS	R201103
51	1	ENGINEERING DRAWING	R201104
52	1	ENGINEERING GEOLOGY (INTEGRATED) (THEORY & LAB)	R201105
53	1	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
54	1	ENGINEERING PHYSICS LAB	R201107
55	1	BASICS OF CIVIL ENGG. WORK SHOP (LAB)	R201108
56	1	Mathematics-II	R201201
57	1	Engineering Chemistry	R201202
58	1	Engineering Mechanics	R201203
59	1	Programming for Problem Solving Using C	R201204
60	1	Building Materials and Concrete Technology	R201205
61	1	Engineering Chemistry Laboratory	R201231
62	1	Programming for problem Solving Using C Laboratory	R201232
63	1	Building Planning and Computer Aided Building Drawing	R201252
64	1	MATHEMATICS-III	R2021011
65	1	STRENGTH OF MATERIALS-I	R2021012
66	1	FLUID MECHANICS	R2021013
67	1	SURVEYING AND GEOMETRICS	R2021014
68	1	HIGHWAY ENGINEERING	R2021015
69	1	CONCRETE TECHNOLOGY LAB	R2021016
70	1	HIGHWAY ENGINEERING LAB	R2021017
71	1	SURVEYING FIELD WORK-I (LAB)	R2021018
72	1	SKILL ORIENTED COURSE*	R2021019

73	1	STRUCTURAL ANALYSIS	R1931011
74	1	CONCRETE TECHNOLOGY	R1931012
75	1	WATER RESOURCES ENGINEERING-I	R1931013
76	1	ENVIRONMENTAL ENGINEERING-II	R1931014
77	1	CONCRETE TECHNOLOGY LAB	R1931015
78	1	SURVEYING FIELD WORK-II	R1931016
79	1	REPAIR & REHABILITATION OF BUILDINGS	R193101A
80	1	ENVIRONMENTAL IMPACT ASSESSMENT	R193101B
81	1	REINFORCED SOIL STRUCTURES	R193101C
82	1	TRAFFIC ENGINEERING	R193101D
83	1	CONSTRUCTION TECHNOLOGY & MANAGEMENT	R193101E
84	1	DISASTER MANAGEMENT	R193101F
85	1	ENVIRONMENTAL POLLUTION & CONTROL	R193101G
86	1	ELEMENTS OF CIVIL ENGINEERING	R193101H
87	1	GREEN TECHNOLOGY	R193101I
88	1	SMART CITIES	R193101J
89	1	PROJECT MANAGEMENT	R193101K
90	1	TRAFFIC SAFETY	R193101L
91	1	GEO-SPATIAL TECHNOLOGIES	R193101M
92	1	WASTEWATER TREATMENT	R193101N
93	1	Environmental Engineering-II	R1641011
94	1	Water Resources Engineering - II	R1641012
95	1	Geotechnical Engineering-II	R1641013
96	1	Remote Sensing and GIS Applications	R1641014
97	1	GIS & CAD Lab	R1641017
98	1	irrigation Design & Drawing	R1641015 R1641018
99	1	Ground Improvement Techniques	R164101B
100	1	Environmental Impact Assessment & Management	R164101H
101	1	Estimation Specification & Contracts	R1642011
102	1	Construction Technology & Management	R1642012
103	1	Prestressed Concrete	R1642013
104	1	Bridge Engineering	R164201A
105	1	Soil Dynamics and Foundations	R164201B
106	1	Solid and Hazardous Waste Management	R164201C
107	1	Water Resources Systems Planning	R164201D
108	1	Urban Transportation Planning Engg	R164201E
109	1	Seminar on Internship Project	R1642015
110	1	Project	R1642016
111	2	MATHEMATICS - I	R201101
112	2	COMMUNICATIVE ENGLISH	R201102
113	2	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106

114	2	MATHEMATICS - II	R201109
115	2	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
116	2	ENGINEERING DRAWING & DESIGN	R201111
117	2	ELECTRICAL ENGINEERING WORKSHOP	R201112
118	2	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
119	2	Mathematics-III	R201206
120	2	Applied Physics	R201207
121	2	Data Structures Through C	R201208
122	2	Electrical Circuit Analysis-I	R201209
123	2	Basic Civil and Mechanical Engineering	R201227
124	2	Applied Physics Laboratory	R201233
125	2	Data Structures Through C Laboratory	R201234
126	2	Basic Civil and Mechanical Engineering Laboratory	R201251
127	2	MATHEMATICS-IV	R2021021
128	2	ELECTRONIC DEVICES AND CIRCUITS	R2021022
129	2	ELECTRICAL CIRCUIT ANALYSIS-II	R2021023
130	2	DC MACHINES AND TRANSFORMERS	R2021024
131	2	ELECTRO MAGNETIC FIELDS	R2021025
132	2	ELECTRICAL CIRCUITS LAB	R2021026
133	2	DC MACHINES AND TRANSFORMERS LAB	R2021027
134	2	ELECTRONIC DEVICES AND CIRCUITS LAB	R2021028
135	2	SKILL ORIENTED COURSE(DESIGN OF ELECTRICAL CIRCUITS USING ENGINEERING SOFTWARE TOOLS)	R2021029
136	2	POWER SYSTEMS-II	R1931021
137	2	POWER ELECTRONICS	R1931022
138	2	LINEAR IC APPLICATIONS	R1931023
139	2	DIGITAL SIGNAL PROCESSING	R1931024
140	2	MICROPROCESSORS AND MICROCONTROLLERS	R1931025
141	2	ELECTRICAL MACHINES-II LABORATORY	R1931026
142	2	CONTROL SYSTEMS LABORATORY	R1931027
143	2	ELECTRICAL MEASUREMENTS & INSTRUMENTATION LABORATORY	R1931028
144	2	SOCIALLY RELEVANT PROJECTS	R1931029
145	2	Utilization of Electrical Energy	R1641021
146	2	Linear IC Application	R1641022
147	2	Power System Operation & Control	R1641023
148	2	Switchgear and Protection	R1641024
149	2	Electrical Simulation Laboratory	R1641027
150	2	Power Systems & Simulation Laboratory	R1641028
151	2	Instrumentation	R164102D
152	2	Special Electrical Machines	R164102G
153	2	Electrical Distribution Systems	R1642023
154	2	Seminar	R1642025

155	2	Project	R1642026
156	4	MATHEMATICS - I	R201101
157	4	COMMUNICATIVE ENGLISH	R201102
158	4	ENGINEERING DRAWING	R201104
159	4	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
160	4	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
161	4	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
162	4	APPLIED CHEMISTRY	R201115
163	4	APPLIED CHEMISTRY LAB	R201116
164	4	Mathematics-II	R201201
165	4	Applied Physics	R201207
166	4	Object Oriented Programming through Java	R201212
167	4	Network Analysis	R201213
168	4	Basic Electrical Engineering	R201214
169	4	Applied Physics Laboratory	R201233
170	4	Electronic workshop Laboratory	R201237
171	4	Basic Electrical Engineering Laboratory	R201238
172	4	ELECTRONIC DEVICES AND CIRCUITS	R2021041
173	4	SWITCHING THEORY AND LOGIC DESIGN	R2021042
174	4	SIGNALS AND SYSTEMS	R2021043
175	4	RANDOM VARIABLES AND STOCHASTIC PROCESSES	R2021044
176	4	MATHEMATICS-III	R2021011
177	4	OOPS THROUGH JAVA LAB	R2021045
178	4	ELECTRONIC DEVICES AND CIRCUITS-LAB	R2021046
179	4	SWITCHING THEORY AND LOGIC DESIGN LAB	R2021047
180	4	PYTHON PROGRAMMING	R2021048
181	4	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	R1931041
182	4	MICROPROCESSOR AND MICROCONTROLLERS	R1931042
183	4	DIGITAL COMMUNICATIONS	R1931043
184	4	ELECTRONIC MEASUREMENTS & INSTRUMENTATION	R1931044
185	4	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS-LAB	R1931045
186	4	DIGITAL COMMUNICATIONS LAB	R1931046
187	4	MICROPROCESSOR AND MICROCONTROLLERS-LAB	R1931047
188	4	MINI PROJECT WITH HARDWARE DEVELOPMENT	R1931048
189	4	INFORMATION THEORY & CODING	R193104A
190	4	DIGITAL SYSTEM DESIGN USING HDL	R193104B
191	4	DATA STRUCTURES AND ALGORITHMS	R193104C
192	4	SOFT COMPUTING TECHNIQUES AND PYTHON PROGRAMMING	R193104D
193	4	SIMULATION & MATHEMATICAL MODELING	R193104E
194	4	Radar Systems	R1641041
195	4	Digital Image Processing	R1641042
196	4	Computer Networks	R1641043

197	4	Optical Communications	R1641044
198	4	Electrical Switching Systems	R164104B
199	4	Embedded Systems	R164104D
200	4	Microwave Engineering & Optical Communications	R1641047
201	4	Digital Signal Processing Lab	R1641048
202	4	Cellular Mobile Communications	R1642041
203	4	Electronic Measurements and Instrumentation	R1642042
204	4	Satellite Communications	R1642043
205	4	Wireless Sensors & Networks (Common to ECE & E.Comp.E)	R164204A
206	4	Digital IC Design(Common to ECE & E.I.E)	R164204B
207	4	Seminar	R1642045
208	4	Project	R1642046
209	5	MATHEMATICS - I	R201101
210	5	COMMUNICATIVE ENGLISH	R201102
211	5	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
212	5	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
213	5	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
214	5	APPLIED PHYSICS	R201117
215	5	COMPUTER ENGINEERING WORKSHOP	R201118
216	5	APPLIED PHYSICS LAB	R201119
217	5	Mathematics-II	R201201
218	5	Applied Chemistry	R201215
219	5	Computer Organization	R201216
220	5	Python Programming	R201225
221	5	Data Structures	R201218
222	5	Applied Chemistry Laboratory	R201239
223	5	Data Structures Laboratory	R201241
224	5	Python Programming Laboratory	R201250
225	5	OPERATING SYSTEMS LAB	R2021056
226	5	SOFTWARE ENGINEERING LAB	R2021057
227	5	SKILL ORIENTED COURSE-I(APPLICATIONS OF PYTHON-NUMPY)	R2021058
228	5	SKILL ORIENTED COURSE-I(WEB APPLICATION DEVELOPMENT USING FULL STACK-FRONTEND DEVELOPMENT-MODULE-I)	R2021059
229	5	MATHEMATICS III	R2021011
230	5	OBJECT ORIENTED PROGRAMMING THROUGH C++	R2021051
231	5	OPERATING SYSTEMS	R2021052
232	5	SOFTWARE ENGINEERING	R2021053
233	5	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	R2021054
234	5	OBJECT ORIENTED PROGRAMMING THROUGH C++ LAB	R2021055
235	5	DATA WAREHOUSING AND DATA MINING	R1931051
236	5	COMPUTER NETWORKS	R1931052
237	5	COMPILER DESIGN	R1931053

238	5	ARTIFICIAL INTELLIGENCE	R1931054
239	5	COMPUTER NETWORKS LAB	R1931055
240	5	AI TOOLS & TECHNIQUES LAB	R1931056
241	5	DATA MINING LAB	R1931057
242	5	COMPUTER GRAPHICS	R193105A
243	5	PRINCIPLES OF PROGRAMMING LANGUAGES	R193105B
244	5	ADVANCED DATA STRUCTURES	R193105C
245	5	SOFTWARE TESTING METHODOLOGIES	R193105D
246	5	ADVANCED COMPUTER ARCHITECTURE	R193105E
247	5	Cryptography and Network Security	R1641051
248	5	Software Architecture & Design Patterns	R1641052
249	5	Web Technologies	R1641053
250	5	Big Data Analytics	R164105A
251	5	Software Project Management	R164105E
252	5	Software Architecture& Design Patterns Lab	R1641057
253	5	Web Technologies Lab	R1641058
254	5	Distributed Systems (Common to CSE IT)	R1642051
255	5	Machine Learning	R1642053
256	5	Artificial Neural Networks(Common to CSE IT)	R164205B
257	5	Operation Research	R164205C
258	5	Seminar	R1642055
259	5	Project	R1642056
260	5	Concurrent and Parallel Programming (Common to CSE IT)	R164205A
261	42	MATHEMATICS - I	R201101
262	42	COMMUNICATIVE ENGLISH	R201102
263	42	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
264	42	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
265	42	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
266	42	APPLIED CHEMISTRY	R201115
267	42	APPLIED CHEMISTRY LAB	R201116
268	42	COMPUTER ENGINEERING WORKSHOP	R201118
269	42	Mathematics-II	R201201
270	42	Applied Physics	R201207
271	42	Data Structures	R201218
272	42	Digital Logic Design	R201221
273	42	Python Programming	R201225
274	42	Applied Physics Laboratory	R201233
275	42	Data Structures Laboratory	R201241
276	42	Python Programming Laboratory	R201250
277	42	MATHEMATICS III	R2021011
278	42	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	R2021054
279	42	INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND MACHINE	R2021421

		LEARNING	
280	42	OBJECT ORIENTED PROGRAMMING WITH JAVA	R2021422
281	42	DATABASE MANAGEMENT SYSTEMS	R2021121
282	42	INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING LAB	R2021423
283	42	OBJECT ORIENTED PROGRAMMING WITH JAVA LAB	R2021424
284	42	DATABASE MANAGEMENT SYSTEMS LAB	R2021123
285	42	MOBILE APP DEVELOPMENT	R2021425
286	42	RESEARCH METHODOLOGY AND IPR	M0109
287	42	ELECTRICAL MACHINES MODELING AND ANALYSIS	M4301
288	42	ANALYSIS OF POWER ELECTRONIC CONVERTERS	M4302
289	42	POWER QUALITY AND CUSTOM POWER DEVICES (ELECTIVE-I)	M4304
290	42	RENEWABLE ENERGY TECHNOLOGIES (ELECTIVE-II)	M4306
291	42	POWER ELECTRONICS SIMULATION LABORATORY	M4308
292	42	POWER CONVERTERS LABORATORY	M4309
293	44	MATHEMATICS - I	R201101
294	44	COMMUNICATIVE ENGLISH	R201102
295	44	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
296	44	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
297	44	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
298	44	APPLIED CHEMISTRY	R201115
299	44	APPLIED CHEMISTRY LAB	R201116
300	44	COMPUTER ENGINEERING WORKSHOP	R201118
301	44	Mathematics-II	R201201
302	44	Applied Physics	R201207
303	44	Data Structures	R201218
304	44	Digital Logic Design	R201221
305	44	Python Programming	R201225
306	44	Applied Physics Laboratory	R201233
307	44	Data Structures Laboratory	R201241
308	44	Python Programming Laboratory	R201250
309	44	MATHEMATICS III	R2021011
310	44	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	R2021054
311	44	FUNDAMENTALS OF DATA SCIENCE	R2021441
312	44	OBJECT ORIENTED PROGRAMMING WITH JAVA	R2021422
313	44	DATABASE MANAGEMENT SYSTEMS	R2021121
314	44	FUNDAMENTALS OF DATA SCIENCE LAB	R2021442
315	44	OBJECT ORIENTED PROGRAMMING WITH JAVA LAB	R2021424
316	44	DATABASE MANAGEMENT SYSTEMS LAB	R2021123
317	44	MOBILE APP DEVELOPMENT	R2021425
318	58	RESEARCH METHODOLOGY AND IPR	M0109
319	58	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	M5801



320	58	ADVANCED DATA STRUCTURES & ALGORITHMS	M5802
321	58	BIG DATA ANALYTICS (ELECTIVE-I)	M5803
322	58	DIGITAL IMAGE PROCESSING (ELECTIVE-I)	M5804
323	58	ADVANCED OPERATING SYSTEMS (ELECTIVE-I)	M5805
324	58	ADVANCED COMPUTER NETWORKS (ELECTIVE-II)	M5806
325	58	INTERNET OF THINGS (ELECTIVE-II)	M5807
326	58	OBJECT ORIENTED SOFTWARE ENGINEERING (ELECTIVE-II)	M5808
327	58	ADVANCED DATA STRUCTURES & ALGORITHMS LAB	M5809
328	58	ADVANCED COMPUTING LAB	M5810



  
 PRINCIPAL  
 Dadri Institute of  
 Engineering & Technology  
 ANAKAPALLE - 531 002