

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Dr. Parvesh Kumar
Designation:	assistant Professor
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Mobile No.	9968747804

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3
IIC 2.0 (2019-20)	5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	2

Contact:

IIC President of the Institute:	Dr. Parvesh Kumar
Designation:	Assistant Professor
Email ID:	p_kumar@vaagdevi.edu.in
Mobile No.	9968747804

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	Dr. Durga Hari Kiran B	Advance	4
2	Salim Amirali Jiwani	Advance	4
3	Dr. Parvesh Kumar	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
4	Dr. Hemant Kumar Gupta	Basic	0
5	Salim Amirali Jiwani	Basic	0
6	Dr. Pankaj H. Rangaree	Basic	0
7	Ch. Bhargavi	Basic	0
8	AGALDITI SAI KRISHNA	Basic	0
9	P. Thanuja	Basic	0
10	Uppula Kiran	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-19948	Yes
HEI Participated in the Smart India Hackathon (2022)	C-19948	Yes

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
1	Analog Communications and Digital Communications	B18EC10	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	4	28-03-2021 00:00:00	03-08-2021 00:00:00	129
2	Computer Organization	B18EC12	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129
3	Digital Signal Processing	B18EC16	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
4	Switching Theory and Logic Design	B18EC05	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
5	Telecommunication Switching Systems and Networks	B18EC17	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
6	Microprocessors and Microcontrollers	B18EC20	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	4	29-03-2021 00:00:00	03-08-2021 00:00:00	128
7	VLSI Design	B18EC21	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
8	Bio Medical Instrumentation	B18EC23	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
9	Digital Image Processing	B18EC24	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
10	Radar Systems	B18EC25	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
11	Digital Signal Processor and Architecture	B18EC26	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
12	VLSI Design	A9422	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
13	Microwave Engineering	A9431	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
14	Digital Image Processing	A9433	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
15	Digital Signal Processors and Architectures	A9432	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
16	Radar Systems	A9436	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
17	Embeded Systems	A9430	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
18	Cellular Mobile Communications	A9441	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
19	Wireless communication networks	A9443	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
20	Nano Technology	A9023	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
21	Principles of Communication Systems	A9455	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
22	Sensors and networks	A9461	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
23	4G Technology	a9462	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
24	Switching Theory and Logic Design	B20EC05	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
25	Project Based Learning-1	B20EC08	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	1	13-09-2021 00:00:00	02-02-2022 00:00:00	143
26	Digital Signal Processing	B18EC16	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
27	Telecommunication Switching Systems and Networks	B18EC17	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
28	Microwave Engineering	B18EC30	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
29	Embedded Systems Design	B18EC31	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
30	Cellular Mobile Communication	B18EC32	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
31	Satellite Communication	B18EC35	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
32	CMOS Digital Integrated Circuit Design	M20VL01	2020-21	Core Course	Master	VLSI System Design	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
33	CMOS Analog Integrated Circuit Design	M20VL01	2020-21	Core Course	Master	VLSI System Design	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
34	Digital System Design using HDL	M20VL03	2020-21	Elective Course	Master	VLSI System Design	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
35	Algorithms For VLSI Design Automation	M20VL06	2020-21	Elective Course	Master	VLSI System Design	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
36	HDL Programming Laboratory	M20VL09	2020-21	Core Course	Master	VLSI System Design	2	14-12-2020 00:00:00	07-04-2021 00:00:00	115

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
37	Digital IC Design Laboratory	M20VL10	2020-21	Core Course	Master	VLSI System Design	2	14-12-2020 00:00:00	07-04-2021 00:00:00	115
38	CMOS Mixed Signal Circuit Design	M20VL11	2020-21	Core Course	Master	VLSI System Design	3	03-05-2021 00:00:00	06-09-2021 00:00:00	127
39	VLSI Design Verification and Testing	M20VL12	2020-21	Core Course	Master	VLSI System Design	3	03-05-2021 00:00:00	06-09-2021 00:00:00	127
40	High Speed VLSI Design	M20VL15	2020-21	Elective Course	Master	VLSI System Design	3	03-05-2021 00:00:00	06-09-2021 00:00:00	127
41	ASIC Design	M20VL16	2020-21	Elective Course	Master	VLSI System Design	3	03-05-2021 00:00:00	06-09-2021 00:00:00	127
42	Analog IC Design Laboratory	M20VL19	2020-21	Core Course	Master	VLSI System Design	2	03-05-2021 00:00:00	06-09-2021 00:00:00	127
43	Mixed Signal VLSI Laboratory	M20VL20	2020-21	Core Course	Master	VLSI System Design	2	03-05-2021 00:00:00	06-09-2021 00:00:00	127
44	RF Circuit Design	M18VL24	2020-21	Elective Course	Master	VLSI System Design	3	01-09-2021 00:00:00	19-01-2022 00:00:00	141
45	CMOS Digital Integrated Circuit Design	M20VL01	2021-22	Core Course	Master	VLSI System Design	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
46	CMOS Analog Integrated Circuit Design	M20VL02	2021-22	Core Course	Master	VLSI System Design	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
47	Digital System Design using HDL	M20VL03	2021-22	Elective Course	Master	VLSI System Design	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
48	Algorithms For VLSI Design Automation	M20VL06	2021-22	Elective Course	Master	VLSI System Design	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
49	HDL Programming Laboratory	M20VL09	2021-22	Core Course	Master	VLSI System Design	2	15-11-2021 00:00:00	15-03-2022 00:00:00	121
50	Digital IC Design Laboratory	M20VL10	2021-22	Core Course	Master	VLSI System Design	2	15-11-2021 00:00:00	15-03-2022 00:00:00	121
51	RF Circuit Design	M20VL24	2021-22	Elective Course	Master	VLSI System Design	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119
52	Basic Electrical and Electronics Engineering	B18ME01	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	01-12-2020 00:00:00	18-03-2021 00:00:00	108
53	Design and Analysis of Algorithms	B18CS09	2020-21	Core Course	Bachelor	Computer Science and Engineering	4	24-08-2020 00:00:00	27-12-2020 00:00:00	126

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
54	Statistical Methods for Engineers	B18MA04	2020-21	Core Course	Bachelor	Computer Sciece and Engineering	3	29-01-2021 00:00:00	25-05-2021 00:00:00	117
55	Intellectual Property Rights	B18MB06	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	27-12-2020 00:00:00	126
56	Machine Learning	B18CS17	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	27-12-2020 00:00:00	126
57	Open Source Software	B18CS29	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	29-01-2021 00:00:00	25-05-2021 00:00:00	117
58	Software Engineering	B18CS16	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	26-12-2020 00:00:00	125
59	Web Services	B18CS26	2020-21	Core Course	Bachelor	Computer Science and Engineering	3	29-01-2021 00:00:00	25-05-2021 00:00:00	117
60	Principles of Programming Languages	B18CS18	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	27-12-2020 00:00:00	126

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
61	Nano Technology	A9330	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	27-12-2020 00:00:00	126
62	Entrepreneurship Development	A9624	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	24-08-2020 00:00:00	27-12-2020 00:00:00	126
63	Internet of Things	M20CS05	2020-21	Core Course	Master	Computer Science and Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
64	Blockchain Technology	M20CS07	2020-21	Core Course	Master	Computer Science and Engineering	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
65	Cloud computing	M20CS03	2020-21	Elective Course	Master	Computer Science and Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
66	Cyber Security	M20CS27	2020-21	Core Course	Master	Computer Science and Engineering	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
67	Python Programming	M20CS04	2020-21	Elective Course	Master	Computer Science and Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
68	Mathematical Foundations of Computer Science	M20CS06	2020-21	Elective Course	Master	Computer Science and Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
69	Advanced Optimization Techniques	M18MA01	2020-21	Elective Course	Master	Computer Science and Engineering	3	01-09-2020 00:00:00	19-01-2021 00:00:00	141
70	Web Search and Information Retrieval	M18CN20	2020-21	Elective Course	Master	Computer Networks and Information Security	3	01-09-2020 00:00:00	19-01-2021 00:00:00	141
71	Data Warehouse and Data Mining	M18CN19	2020-21	Elective Course	Master	Computer Networks and Information Security	3	01-09-2020 00:00:00	19-01-2021 00:00:00	141
72	Embedded System Design	M18VL07	2020-21	Elective Course	Master	VLSI System Design	3	01-09-2020 00:00:00	19-01-2021 00:00:00	141
73	Basic Electrical and Electronics Engineering	B18ME01	2021-22	Core Course	Bachelor	Computer Science and Engineering	3	24-11-2021 00:00:00	29-04-2022 00:00:00	157
74	Design and Analysis of Algorithms	B18CS09	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	13-09-2021 00:00:00	02-02-2022 00:00:00	143

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
75	Formal Languages and Automata Theory	B18CS10	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	07-03-2021 00:00:00	10-07-2021 00:00:00	126
76	Mobile Application Development	B18CS20	2021-22	Core Course	Bachelor	Computer Science and Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
77	Entrepreneurship Development	A9624	2021-22	Elective Course	Bachelor	Computer Science and Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
78	Internet of Things	M20CS05	2021-22	Core Course	Master	Computer Science and Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
79	Artificial Intelligence	M20CS07	2021-22	Core Course	Master	Computer Science and Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
80	Cloud computing	M20CS03	2021-22	Elective Course	Master	Computer Science and Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
81	Mathematical Foundations of Computer Science	M20CS06	2021-22	Elective Course	Master	Computer Science and Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
82	Waste Management	M20CE27	2021-22	Elective Course	Master	Civil Engineering	3	02-11-2021 00:00:00	28-03-2022 00:00:00	147
83	Cyber Security	M20CS27	2021-22	Elective Course	Master	Computer Science and Engineering	3	02-11-2021 00:00:00	28-03-2022 00:00:00	147
84	Electric Machine Design	B18EE20	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
85	Soft Computing Techniques	B18EE36	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
86	Advanced Electrical Drives	B18EE37	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
87	Power Quality	B18EE40	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
88	Management Science	B18MB02	2021-22	Elective Course	Bachelor	Master of Business Administration (MBA)	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
89	Power Electronic Control of DC Drives	M20PE02	2021-22	Core Course	Master	Power Electronics	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
90	Modeling and Analysis of Electrical Machines	M20PE03	2021-22	Core Course	Master	Power Electronics	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
91	Modeling of Power Semiconductor Devices	M20PE06	2021-22	Elective Course	Master	Power Electronics	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
92	Digital Control of Power Electronics and Drive Systems	M20PE07	2021-22	Elective Course	Master	Power Electronics	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
93	Switched Mode Power Supplies	M20PE20	2021-22	Elective Course	Master	Power Electronics	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119
94	Smart Grid Technologies	M20PS17	2021-22	Elective Course	Master	Power Systems Control and Automation	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119
95	Energy Auditing Conservation and Management	M20EE01	2021-22	Elective Course	Master	Power Electronics	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119
96	Optimization Techniques	M20EE02	2021-22	Elective Course	Master	Power Electronics	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
97	Advanced Power System Protection	M20PS02	2021-22	Core Course	Master	Power Systems Control and Automation	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
98	Economic operation power systems	M20PS03	2021-22	Elective Course	Master	Power Systems Control and Automation	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
99	Power System Reliability	M20PS04	2021-22	Elective Course	Master	Power Systems Control and Automation	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
100	Distribution System Planning	M20PS05	2021-22	Elective Course	Master	Power Systems Control and Automation	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
101	Research Methodology	M20MC01	2021-22	Core Course	Master	Power Systems Control and Automation	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
102	Smart Grid Technologies	M20PS17	2021-22	Elective Course	Master	Power Systems Control and Automation	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119
103	Optimization Techniques	M20EE02	2021-22	Elective Course	Master	Power Systems Control and Automation	3	02-11-2021 00:00:00	28-02-2022 00:00:00	119

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
104	Power Electronic Control of DC Drives	M20PE02	2020-21	Core Course	Master	Power Electronics	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
105	Programmable Logic Controllers and their Applications	M20EC01	2021-22	Elective Course	Master	Power Electronics	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
106	Modeling and Analysis of Electrical Machines	M20PE03	2020-21	Elective Course	Master	Power Electronics	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
107	Modeling of Power Semiconductor Devices	M20PE06	2020-21	Elective Course	Master	Power Electronics	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
108	Digital Control of Power Electronics and Drive Systems	M20PE07	2020-21	Elective Course	Master	Power Electronics	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
109	Modern Power Electronic Converters	M20PE10	2020-21	Core Course	Master	Power Electronics	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
110	Electrical and Hybrid Vehicles	M20PE13	2020-21	Elective Course	Master	Power Electronics	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129

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111	Embedded Systems	M20EC03	2020-21	Elective Course	Master	Power Electronics	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
112	Dynamics of Electrical Machines	M20PE16		Elective Course	Master	Power Electronics	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
113	AI Techniques in Electrical Engineering	M20PS11	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
114	Switched Mode Power Supplies	M18PE20	2020-21	Elective Course	Master	Power Electronics	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
115	Smart Grid Technologies	M18PS17	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
116	Advanced Digital Signal Processing	M18EC04	2020-21	Elective Course	Master	Power Electronics	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
117	Energy Auditing Conservation and Management	M18EE01	2020-21	Elective Course	Master	Power Electronics	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
118	Optimization Techniques	M18EE02	2020-21	Elective Course	Master	Master of Business Administration (MBA)	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
119	Advanced Power System Protection	M20PS02	2020-21	Elective Course	Master	Power Systems Control and Automation	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
120	Economic operation power systems	M20PS03	2020-21	Elective Course	Master	Power Systems Control and Automation	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
121	Power System Reliability	M20PS04	2020-21	Elective Course	Master	Power Systems Control and Automation	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
122	Distribution System Planning	M20PS05	2020-21	Elective Course	Master	Power Systems Control and Automation	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
123	Research Methodology	M20MC01	2020-21	Core Course	Master	Power Systems Control and Automation	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
124	Restructured Power Systems	M20PS10	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
125	AI Techniques in Electrical Engineering	M20PS11	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
126	Reactive Power Compensation and Voltage Stability	M20PS13	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
127	Smart Grid Technologies	M18PS17	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
128	Optimization Techniques	M18EE02	2020-21	Elective Course	Master	Power Systems Control and Automation	3	01-09-2021 00:00:00	26-12-2021 00:00:00	117
129	Electric Machine Design	B18EE20	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	24-08-2020 00:00:00	24-12-2020 00:00:00	123
130	Managerial Economics and Financial Analysis(III-II)	B18MB01	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129
131	Advanced Power Electronics	B18EE29	2020-21	Elective Course	Master	Electrical and Electronics Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129
132	Advanced Control Systems	B18EE30	2020-21	Elective Course	Master	Electrical and Electronics Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
133	Embedded Systems	A9430	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	3	24-08-2020 00:00:00	24-12-2020 00:00:00	123
134	Electrical Machine Design	A9244	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129
135	Power Quality	A9245	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	28-03-2021 00:00:00	03-08-2021 00:00:00	129
136	CAD CAM	A9338	2020-21	Core Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
137	ROBOTICS	A9343	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
138	REFRIGERATION AND AIR CONDITIONING	B18ME30	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
139	MECHATRONICS	B18ME26	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
140	COMPUTATIONAL FLUID DYNAMICS	A9344	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
141	UNCONVENTIONAL MACHINING PROCESSES	A9340	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
142	PLANT LAYOUT AND MATERIAL HANDLING	A9355	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	17-03-2021 00:00:00	15-07-2021 00:00:00	121
143	PRODUCTION PLANNING AND CONTROL	A9352	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	17-03-2021 00:00:00	15-07-2021 00:00:00	121
144	THERMAL ENGINEERING I	B18ME10	2020-21	Core Course	Bachelor	Mechanical Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
145	RESEARCH METHODOLOGY	M18MC01	2020-21	Elective Course	Bachelor,Master	Thermal Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
146	GAS TURBINES	M18TE06	2020-21	Elective Course	Master	Thermal Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
147	CAD CAM	B20ME42	2021-22	Core Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
148	ROBOTICS	B20ME45	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
149	REFRIGERATION AND AIR CONDITIONING	B20ME37	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
150	MECHATRONICS	B20ME33	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
151	COMPUTATIONAL FLUID DYNAMICS	B20ME46	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
152	COMPUTATIONAL FLUID DYNAMICS	B20ME46	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
153	POWER PLANT ENGINEERING	A9341	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
154	UNCONVENTIONAL MACHINING PROCESSES	A9340	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
155	RESEARCH METHODOLOGY	M20MC01	2021-22	Elective Course	Master	Thermal Engineering	2	13-09-2021 00:00:00	02-02-2022 00:00:00	143
156	GAS TURBINES	M20TE06	2021-22	Elective Course	Master	Thermal Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
157	Marketing Management	M18MB08	2020-21	Core Course	Master	Department of Business Management	4	28-12-2020 00:00:00	21-04-2021 00:00:00	115

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
158	Human Resource Management	M18MB09	2020-21	Core Course	Master	Department of Business Management	4	28-12-2020 00:00:00	21-04-2021 00:00:00	115
159	Financial Management	M18MB10	2020-21	Core Course	Master	Department of Business Management	4	28-12-2020 00:00:00	21-04-2021 00:00:00	115
160	Intellectual Property Rights	M18MB17A	2020-21	Elective Course	Master	Department of Business Management	3	01-09-2020 00:00:00	16-01-2021 00:00:00	138
161	Entrepreneurship	M20MB16	2021-22	Core Course	Master	Department of Business Management	4	03-11-2021 00:00:00	02-03-2022 00:00:00	120
162	Entrepreneurship	M18MB16	2020-21	Core Course	Master	Department of Business Management	4	01-09-2020 00:00:00	16-01-2021 00:00:00	138
163	Surveying Lab	B20CE07	2021-22	Core Course	Bachelor	Civil Engineering	2	13-09-2021 00:00:00	02-02-2022 00:00:00	143
164	Construction Materials	B20CE05	2021-22	Core Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
165	Concrete Technology	B18CE17	2021-22	Core Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
166	Geotechnical Engineering	B18CE16	2021-22	Core Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
167	Managerial Economics and Financial Analysis	B18MB01	2021-22	Core Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
168	Concrete Technology Lab	B18CE19	2021-22	Core Course	Bachelor	Civil Engineering	1	13-09-2021 00:00:00	02-02-2022 00:00:00	143
169	Geo Technical Engineering Lab	B18CE20	2021-22	Core Course	Bachelor	Civil Engineering	1	13-09-2021 00:00:00	02-02-2022 00:00:00	143
170	Estimation and Valuation Practice	B18CE26	2021-22	Core Course	Bachelor	Civil Engineering	4	13-09-2021 00:00:00	02-02-2022 00:00:00	143
171	Entrepreneur Development	B18MB03	2021-22	Elective Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
172	Environmental Engineering	B18CE27	2021-22	Core Course	Bachelor	Civil Engineering	3	13-09-2021 00:00:00	02-02-2022 00:00:00	143
173	Environmental Engineering Lab	B18CE28	2021-22	Core Course	Bachelor	Civil Engineering	2	13-09-2021 00:00:00	02-02-2022 00:00:00	143
174	Behaviour of Concrete Structures	M20SE02	2021-22	Core Course	Master	Civil Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
175	Theory of Elasticity	M20SE01	2021-22	Core Course	Master	Civil Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
176	Advanced Concrete Technology	M20SE12	2021-22	Elective Course	Master	Civil Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
177	Precast and Prefabricated Structures	M20SE16	2021-22	Elective Course	Master	Civil Engineering	3	15-11-2021 00:00:00	15-03-2022 00:00:00	121
178	Structural Design Laboratory	M20SE03	2021-22	Core Course	Master	Civil Engineering	2	15-11-2021 00:00:00	15-02-2022 00:00:00	93
179	Advanced Concrete Technology Laboratory	M20SE04	2021-22	Core Course	Master	Civil Engineering	2	15-11-2021 00:00:00	15-03-2022 00:00:00	121
180	Experimental Methods in Structural Engineering	M20MC02	2021-22	Core Course	Master	Master	2	15-11-2021 00:00:00	15-03-2022 00:00:00	121
181	Surveying Lab	B18CE06	2020-21	Core Course	Bachelor	Civil Engineering	2	24-08-2020 00:00:00	11-02-2021 00:00:00	172
182	Building Drawing Lab- CAD	B18CE14	2020-21	Core Course	Bachelor	Civil Engineering	2	29-03-2021 00:00:00	03-08-2021 00:00:00	128

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
183	Concrete Technology	B18CE17	2020-21	Core Course	Bachelor	Civil Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
184	Geotechnical Engineering	B18CE16	2020-21	Core Course	Bachelor	Civil Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
185	Managerial Economics and Financial Analysis	B18MB01	2020-21	Core Course	Bachelor	Civil Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
186	Concrete Technology Lab	B18CE19	2020-21	Core Course	Bachelor	Civil Engineering	1	24-08-2020 00:00:00	11-02-2021 00:00:00	172
187	Geo Technical Engineering Lab	B18CE20	2020-21	Core Course	Bachelor	Civil Engineering	1	24-08-2020 00:00:00	11-02-2021 00:00:00	172
188	Advanced Surveying	B18CE37	2020-21	Elective Course	Bachelor	Civil Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
189	Rehabilitation and Retrofitting of Structures	B18CE39	2020-21	Elective Course	Bachelor	Civil Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
190	Geographical Information System	B18CE40	2020-21	Elective Course	Bachelor	Civil Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128
191	Construction Management	B18CE41	2020-21	Core Course	Bachelor	Civil Engineering	3	29-03-2021 00:00:00	03-08-2021 00:00:00	128

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
192	Structural Design and Detailing Lab	B18CE25	2020-21	Core Course	Bachelor	Civil Engineering	2	29-03-2021 00:00:00	03-08-2021 00:00:00	128
193	Estimating and Costing	A9133	2020-21	Core Course	Bachelor	Civil Engineering	4	24-08-2020 00:00:00	11-02-2021 00:00:00	172
194	Environmental Engineering	A9134	2020-21	Core Course	Bachelor	Civil Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
195	Rehabilitation and Retrofitting of structures	A9141	2020-21	Elective Course	Bachelor	Civil Engineering	3	24-08-2020 00:00:00	11-02-2021 00:00:00	172
196	Environmental Engineering Lab	A9144	2020-21	Core Course	Bachelor	Civil Engineering	2	24-08-2020 00:00:00	11-02-2021 00:00:00	172
197	Highway Engineering Lab	A9145	2020-21	Core Course	Bachelor	Civil Engineering	2	24-08-2020 00:00:00	11-02-2021 00:00:00	172
198	Structural Drafting Lab - Open Source Software	A9146	2020-21	Core Course	Bachelor	Civil Engineering	2	24-08-2020 00:00:00	11-02-2021 00:00:00	172
199	Project Management	M18MB30	2020-21	Elective Course	Master	Civil Engineering	3	01-09-2020 00:00:00	19-01-2021 00:00:00	141
200	Behaviour of Concrete Structures	M20SE02	2020-21	Core Course	Bachelor	Master	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
201	Theory of Elasticity	M20SE01	2020-21	Core Course	Master	Civil Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
202	Advanced Concrete Technology	M20SE12	2020-21	Elective Course	Master	Civil Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
203	Precast and Prefabricated Structures	M20SE16	2020-21	Elective Course	Master	Civil Engineering	3	14-12-2020 00:00:00	07-04-2021 00:00:00	115
204	Structural Design Laboratory	M20SE03	2020-21	Core Course	Master	Civil Engineering	2	14-12-2020 00:00:00	07-04-2021 00:00:00	115
205	Advanced Concrete Technology Laboratory	M20SE04	2020-21	Core Course	Master	Civil Engineering	2	14-12-2020 00:00:00	07-04-2021 00:00:00	115
206	Experimental Methods in Structural Engineering	M20MC02	2020-21	Core Course	Master	Civil Engineering	2	01-05-2021 00:00:00	06-09-2021 00:00:00	129
207	Finite Element Analysis of Structures	M20SE05	2020-21	Core Course	Master	Civil Engineering	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
208	Structural Dynamics	M20SE06	2020-21	Core Course	Master	Civil Engineering	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)
209	Repair and Rehabilitation of Structures	M20SE19	2020-21	Elective Course	Master	Civil Engineering	3	01-05-2021 00:00:00	06-09-2021 00:00:00	129
210	Advanced Computing Laboratory	M20SE07	2020-21	Core Course	Master	Civil Engineering	2	01-05-2021 00:00:00	06-09-2021 00:00:00	129
211	Numerical Analysis Laboratory	M20SE08	2020-21	Core Course	Master	Civil Engineering	2	01-05-2021 00:00:00	06-09-2021 00:00:00	129

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Courses
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Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
1	RECENT TRENDS IN COMMUNICATION TECHNOLOGIES (RTCT-2020)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	10-10-2020 00:00:00	14-10-2020 00:00:00	5	40
2	Advanced Embedded Systems Design Using TEXAS INSTRUMENTS DEVELOPMENT TOOLS	2021-22	Short-term Certificate Program	Industry/Non-Govt.	Electronics and Communication Engineering	01-06-2022 00:00:00	11-06-2022 00:00:00	11	60
3	One Week Online Faculty Development Program on SCILAB	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	11-01-2021 00:00:00	16-01-2021 00:00:00	6	36
4	One Week Online Faculty Development Program on Python 3 4 3	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	01-06-2020 00:00:00	06-06-2020 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
5	MSP 430 Microcontroller and its Applications in Embedded Systems and Internet of Things (IOT)	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	17-08-2020 00:00:00	22-08-2020 00:00:00	6	36
6	MATLAB and its applications in Electronics	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	02-11-2020 00:00:00	06-11-2020 00:00:00	5	30
7	Applications of Software Tools for Research Article Writing	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-12-2020 00:00:00	12-12-2020 00:00:00	6	36
8	Recent Emerging Trends in Wireless Communication using IoT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	15-03-2021 00:00:00	20-03-2021 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
9	CHALLENGES AND RESEARCH AVENUES IN SIGNAL AND IMAGE PROCESSING	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	26-04-2021 00:00:00	30-04-2021 00:00:00	5	30
10	VLSI Design and Embedded Systems	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	25-10-2021 00:00:00	30-10-2021 00:00:00	6	36
11	Recent Advances Electronics and Communication Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	22-11-2021 00:00:00	26-11-2021 00:00:00	5	30
12	Mixed Signal and Radio Frequency VLSI Design	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	13-12-2021 00:00:00	18-12-2021 00:00:00	6	36
13	Recent Trends in Industry 4.0 Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	03-01-2022 00:00:00	08-01-2022 00:00:00	6	36
14	VLSI IC design	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	21-03-2022 00:00:00	26-03-2022 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
15	Embedded Processing	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	07-02-2022 00:00:00	11-02-2022 00:00:00	5	30
16	Micro strip Antennas for Advanced Wireless Communications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	04-04-2022 00:00:00	09-04-2022 00:00:00	6	36
17	Recent Trends in Advanced Communications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	01-03-2022 00:00:00	05-03-2022 00:00:00	5	30
18	Signal Processing for communications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communication Engineering	02-05-2022 00:00:00	07-05-2022 00:00:00	6	36
19	How to introduce Programming Concepts	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	08-06-2020 00:00:00	12-06-2020 00:00:00	5	30
20	Cloud Computing	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Computer Science and Engineering	07-09-2020 00:00:00	11-09-2020 00:00:00	5	30
21	Internet of Things for Intelligent Systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	02-11-2020 00:00:00	06-11-2020 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
22	Cloud Infrastructure and Virtualization	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	25-05-2020 00:00:00	29-05-2020 00:00:00	5	30
23	Recent trends and Application of Machine Learning and Deep Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	25-05-2020 00:00:00	29-05-2020 00:00:00	5	30
24	Python Programming	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	04-01-2021 00:00:00	08-01-2021 00:00:00	5	30
25	AngularJs	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	22-02-2021 00:00:00	27-02-2021 00:00:00	6	36
26	Implementation Of IoT Devices With Note-Red Interfacing IBM Watson	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Computer Science and Engineering	08-11-2021 00:00:00	12-11-2021 00:00:00	5	30
27	Recent Advances and Real time Application in Artificial Intelligence	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Computer Science and Engineering	25-10-2021 00:00:00	29-10-2021 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
28	SYPOSIUM ON LOGICAL FOUNDATION OF MATHEMATICAL SCIENCE	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	22-06-2020 00:00:00	27-06-2020 00:00:00	6	36
29	GENERAL MATHEMATICAL RESEARCH AND MULTI DISCIPLINARY EVENTS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	13-07-2020 00:00:00	18-07-2020 00:00:00	6	36
30	COMMUNICATION SKILLS IN ENGLISH FOR EMPLOYABILITY	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	07-09-2020 00:00:00	11-09-2020 00:00:00	5	30
31	SOLUTIONS PROCESSED ORGANIC ZnO HYBRID THIN FILMS FOR OPTOELECTRONIC DEVICES APPLICATIONS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	05-10-2020 00:00:00	10-10-2020 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
32	RESENT TRENDS IN CHEMICAL SCIENCES AND APPLICATIONS OF SPECTROSCOPY	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	23-11-2020 00:00:00	28-11-2020 00:00:00	6	36
33	RADIATION EFFECTS ON POLYMERS AND ADVANCES IN ORGANIC OPTOELECTRONIC DEVICES	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	17-01-2022 00:00:00	22-01-2022 00:00:00	6	36
34	EMERGING TRENDS IN ENGLISH LANGUAGE TEACHING	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	21-02-2022 00:00:00	26-02-2022 00:00:00	6	36
35	APPLICATIONS OF POLYMERS IN ENGINEERING FIELDS	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	07-03-2022 00:00:00	12-03-2022 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
36	CURRENT SCENARIO IN PURE AND APPLIED MATHEMATICS	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	18-04-2022 00:00:00	22-04-2022 00:00:00	5	30
37	ROLE OF MATHEMATICS IN RESEARCH	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Basic Science and Humanities	25-04-2022 00:00:00	29-04-2022 00:00:00	5	30
38	Java Fundamentals	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	19-04-2021 00:00:00	24-04-2021 00:00:00	6	36
39	RPA Training program	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	12-04-2021 00:00:00	20-04-2021 00:00:00	9	54
40	Electric Vehicle plug in the revolution	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	11-04-2021 00:00:00	15-04-2021 00:00:00	5	30
41	Goal Orientation and Awareness on opportunities for Electrical Engineers	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	06-04-2021 00:00:00	10-04-2021 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
42	Design of magnetic components for switched mode power converters	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	06-04-2021 00:00:00	10-04-2021 00:00:00	5	30
43	Design of Solar PV System using PVSYST Software	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	09-06-2020 00:00:00	13-06-2020 00:00:00	5	30
44	LATEST TRENDS AND CHALLENGES IN ELECTRIC VEHICLE TECHNOLOGY AND BATTERY MANAGEMENT SYSTEMS	2021-22	Short-term Certificate Program	Central Govt. Agency	Electrical and Electronics Engineering	04-10-2021 00:00:00	12-10-2021 00:00:00	9	54
45	Implementation of Power Electronics Applications using PLECS Tool	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	28-05-2021 00:00:00	03-06-2021 00:00:00	7	42
46	Soft-Switched DC-DC Converters for LED Lighting Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	01-08-2021 00:00:00	06-08-2021 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
48	Micro Grid And its Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	25-10-2021 00:00:00	29-10-2021 00:00:00	5	30
49	Solar Photovoltaics	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	20-12-2021 00:00:00	24-12-2021 00:00:00	5	30
50	Applications of Simulation Tools to Modern Power Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	21-06-2021 00:00:00	26-06-2021 00:00:00	6	36
51	Power Control and Energy Management (PCEM)	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	04-04-2022 00:00:00	09-04-2022 00:00:00	6	36
52	Research Challenges in Electrical Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	31-01-2022 00:00:00	05-02-2022 00:00:00	6	36
53	Dynamic transformation of Innovative Teaching Pedagogy	2020-21	Short-term Certificate Program	Central Govt. Agency	Department of Business Management	08-06-2020 00:00:00	12-06-2020 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
54	Entrepreneurship	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Business Management	03-08-2020 00:00:00	07-08-2020 00:00:00	5	30
55	Research Methods and Data Analytics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Business Management	19-10-2020 00:00:00	23-10-2020 00:00:00	5	30
56	Management Education Challenges in Digital Era	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Business Management	02-12-2020 00:00:00	06-12-2020 00:00:00	5	30
57	Entrepreneur Skill Development Program	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Department of Business Management	02-02-2021 00:00:00	06-02-2021 00:00:00	5	30
58	Case Method Teaching	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Business Management	15-09-2021 00:00:00	19-09-2021 00:00:00	5	30
59	Data Analysis Using SPSS	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department of Business Management	09-03-2022 00:00:00	13-03-2022 00:00:00	5	30
60	Funding facilities for Entrepreneurs in India	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Department of Business Management	25-04-2022 00:00:00	30-04-2022 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
61	3D PRINTING	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	17-08-2020 00:00:00	21-08-2020 00:00:00	5	30
62	RECENT ADVANCEMENTS IN MANUFACTURING INDUSTRIES	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	05-12-2020 00:00:00	10-12-2020 00:00:00	6	36
63	ROBOTICS IN MANUFACTURING SECTOR	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	14-12-2020 00:00:00	18-12-2020 00:00:00	5	30
64	AN OVERVIEW ON COMPUTATIONAL FLUID MECHANICS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	15-03-2021 00:00:00	19-03-2021 00:00:00	5	30
65	PHYSICAL METALLURGY	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering	05-04-2021 00:00:00	09-04-2021 00:00:00	5	30
66	SOLIDWORKS AND CREO	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering	24-05-2021 00:00:00	29-05-2021 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
67	RESEARCH POTENTIAL AND SCOPE IN MECHANICAL ENGINEERING	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	12-07-2021 00:00:00	17-07-2021 00:00:00	6	36
68	NEW HORIZONS IN MECHANICAL ENGINEERING	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	02-08-2021 00:00:00	07-08-2021 00:00:00	6	36
69	EMERGING TRENDS IN COMPOSITE MATERIALS AND ADDITIVE MANUFACTURING	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	21-02-2022 00:00:00	26-02-2022 00:00:00	6	36
70	ADVANCED MANUFACTURING ENTERPRISE IN DIGITAL ERA	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	11-04-2022 00:00:00	15-04-2022 00:00:00	5	30
71	ADDITIVE MAUFACTURING	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechanical Engineering	25-04-2022 00:00:00	30-04-2022 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
72	Five Day FDP on Composting in Solid Waste management in civil engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	11-05-2021 00:00:00	15-05-2021 00:00:00	5	30
73	Five Day FDP on Recent Advancement in Civil Engineering and its Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	05-02-2021 00:00:00	09-02-2021 00:00:00	5	30
74	Five Day FDP on Computer Oriented applications in Civil Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	16-11-2020 00:00:00	20-11-2020 00:00:00	5	30
75	Building Model Design using Autodesk REVIT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	05-10-2020 00:00:00	10-10-2020 00:00:00	6	36
76	Building detailing using AUTOCADD	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	21-09-2020 00:00:00	26-09-2020 00:00:00	6	36

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
77	Structural Design of RC Building Using MIDAS GEN	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	19-12-2020 00:00:00	24-12-2020 00:00:00	6	30
78	Bridge Design Using MIDAS CIVIL	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	18-01-2021 00:00:00	23-01-2021 00:00:00	6	36
79	Quantity Analysis for Civil Engineering Projects	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	21-09-2020 00:00:00	26-09-2020 00:00:00	6	36
80	Finite Element Applications in Civil Engineering	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	05-10-2020 00:00:00	10-10-2020 00:00:00	6	36
81	Research applications in Civil Engineering and Scope for Startups	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	05-04-2021 00:00:00	09-04-2021 00:00:00	5	30
82	Midas civil for Brige Engineering-Beginers	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	25-10-2021 00:00:00	29-10-2021 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Contact Hours
83	STTP on Midas Civil-Advance	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	21-03-2022 00:00:00	25-03-2022 00:00:00	5	30
84	Detailing and Modelling of structures using AUTOCAD	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	21-03-2022 00:00:00	25-03-2022 00:00:00	5	30
85	3D modelling using Revit Architecture	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	27-09-2021 00:00:00	01-10-2021 00:00:00	5	30
86	Faculty Development Program on MATLAB and its applications in Civil Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	06-09-2021 00:00:00	10-09-2021 00:00:00	5	30
87	Design and Analysis of Residential Buildings using MIDAS Gen	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	25-10-2021 00:00:00	29-10-2021 00:00:00	5	30

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP /FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Number of Hours in the Course
88	Faculty Development Program on Finite Element Analysis applications in Civil Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	18-04-2022 00:00:00	22-04-2022 00:00:00	5	30
89	Value Added Course on Quantity Surveying of Civil Projects	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	27-09-2021 00:00:00	01-10-2021 00:00:00	5	30
90	Five Day FDP on Recent Advances In Concrete and Construction Industry	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering	15-11-2021 00:00:00	19-11-2021 00:00:00	5	30
91	FDP on Precast and Prefabricated Structures	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	21-02-2022 00:00:00	25-02-2022 00:00:00	5	30

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC /EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	EDC	EDC Cell	Dr. G. Saroja	98499 9300	saroja849@gmail.com	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	VAAGDEVI INCUBATION AND BUSINESS ACCELERATOR FOUNDATION	SALIM JIWANI	9885545514	salim_a@vaagdevi.edu.in	MSME,AICTE-IDEALab,CSR/Private,Other Central/State Government

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
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Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	IPR Cell	IPR Cell	Dr. Hemant Kumar Gupta	9929356251	drhemantgupta18@gmail.com	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel a

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email	Total Grants Received (from all sources)	Grant Support Received from Institution/Incubati
No Data Found										

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP /OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India	FY of Started Receiving Support from the Incubation unit at the Institute	Team Lead/Founder Name	Current Engagement of Team lead/Founder in Institute
No Data Found									

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	University of Trás-os-Montes and Alto Douro	Educational Institute	0001	Closed	29-10-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
2	NIT, Warangal	Research Park	0010	Active	23-08-2021	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
3	Computrain Information Technologies (India) Pvt. Ltd.	Knowledge/Mentoring Agency	0002	Active	09-09-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
4	Surya Tech Solutions, Hyderabad	Corporate/Industry Association	0005	Active	22-12-2021	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
5	RISEHARP TECHNOLOGIES PVT LTD.	Knowledge/Mentoring Agency	0005	Inactive	25-02-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
6	Centre for Training and Development Electromation Technologies, Hyderabad	Corporate/Industry Association	0005	Active	23-01-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
7	VITA Technologies	Corporate/Industry Association	0005	Inactive	25-02-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C...
8	Politeknik Negeri Jember, Indonesia	Research Park	0005	Active	27-10-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C...

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
9	Go Hexa Technologies Private Ltd., (HEXA)	Corporate/Industry Association	0005	Active	13-06-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C
10	Testbook Edu Solutions Private Limited	Research Park	0001	Closed	22-04-2021	View (/Uploads/Institute/ARI-C-27419/2021-22/C
11	Kudoswall Private Ltd.,	Research Park	0005	Inactive	13-05-2020	
12	Cybersecurity centre of Excellence, telangana	Govt. Agency (State)	0003	Active	06-05-2022	View (/Uploads/Institute/ARI-C-27419/2021-22/C
13	Northern Arizona University	Educational Institute	0005	Active	22-04-2021	View (/Uploads/Institute/ARI-C-27419/2021-22/C
14	Eduskills Foundation	Knowledge/Mentoring Agency	0003	Active	21-10-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C
15	Skillship Foundation	Knowledge/Mentoring Agency	0005	Active	23-01-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C
16	Chandradeep Solar Research Institute	Research Park	0005	Active	28-03-2022	View (/Uploads/Institute/ARI-C-27419/2021-22/C

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
17	Talent Sprint Private Limited	Knowledge/Mentoring Agency	0005	Active	09-07-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C
18	Benefai Technologies	Research Park	0005	Active	18-01-2020	View (/Uploads/Institute/ARI-C-27419/2021-22/C

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Neetu Gupta and Ritu Vijay (2020) "Performance Analysis of Simultaneous Compression-Encryption Techniques on Digital Images", Diary Number: 16742/2020-CO/L, Copyright Registration Number L-97647/2020, Copyright Office, New Delhi.	Copy Right	L-97647/2020	14-12-2020	No

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
2	Neetu Gupta and Ritu Vijay (2020) "Novel Hybrid Image Compression-Encryption Technique Based on Neural Network and Chaos Theory", Diary Number: 14528/2020-CO/SW, Copyright Registration Number SW-13991/2020, Copyright Office, New Delhi.	Copy Right	SW-13991/2020	20-12-2020	No
3	Hand belt to detect drugs.	Design	325589-001	06-01-2020	No
4	Self heating tiffin	Design	324892-001	31-01-2020	No
5	Health Analysing Office Chair Seat	Design	346758-001	26-07-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Dsd-Predict Gender, Age, Country And Meaning: Detect Sound And Their Gender, Age, Country And Meaning Using Deep Learning	202041053285	08-12-2020
2	SYSTEM AND METHOD FOR DIAGNOSIS OF DISEASES FROM MEDICAL IMAGES	202041020407	14-05-2020
3	Design And Fabrication of Integrated Mobile Phone Charger And Power Bank.	202141003732	28-01-2021
4	Design and Development of Multifunctional Automated Home Security System	202141030934	09-07-2021
5	Deep Learning Based Simultaneous Compression-Encryption System for Secure Transmission of Images	202111007167	26-02-2021

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
6	Intelligent Motion Detecting Sensor for Domestic Applications	202141055280	29-11-2021
7	MASH-UP FIBER PANELS	202141003320	25-01-2021
8	Basaltcrete Building Blocks	4959/CHE/2012	29-11-2021
9	FULL BRIDGE DRIVER CIRCUIT	202141003063	22-01-2021
10	An advanced predictive flux control of induction motor drive	20211008849	10-02-2021
11	A System and Method of Emission and Measuring from Polluted Gases in the Environment	202041007032	19-02-2020
12	Energy Management Method for Fast E-Vehicle charging stations with energy storage system	202241004383	26-01-2022
13	A power saving VLSI Circuitry for EV Model Vehicle Fabrication	202241006802	09-02-2022
14	An Electric Vehicle Regenerative Braking System	202241023419	20-04-2022

7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as	View
No Data Found							

7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred /Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date of Transferred Technology
No Data Found						

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. K. Prakash** (Head of Institute) and **Mr. Uppula Kiran** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



Dr. K. Prakash,
Head of the Institution,
VAAGDEVI COLLEGE OF ENGINEERING,
WARANGAL, Telangana

Nodal officer



Mr. Uppula Kiran,
Nodal Officer,
VAAGDEVI COLLEGE OF ENGINEERING,
WARANGAL, Telangana

