



## Full Data Report

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### Sri Sivasubramaniya Nadar College of Engineering [ ARI-C-16604 ][ C-16604 ]

## 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	Yes

**Contact:**

Faculty Name:	Dr. N. Bhalaji
Designation:	Associate Professor, Department of Information Technology
Email ID:	bhalajin@ssn.edu.in
Mobile No.	9500086801

## 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)	
IIC 2.0 (2019-20)	
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	4

### Contact:

IIC President of the Institute:	Dr R Seyezhai
Designation:	Associate Professor
Email ID:	seyezhair@ssn.edu.in
Mobile No.	9894968847

## 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. R.Seyezhai	Advance	2
2	Dr.S.Sureshkumar	Basic	2
3	Dr.S.Ram Prabhu	Basic	1

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
4	Dr.V.Balasubramanian	Advance	1
5	Dr. S. Chithra	Advance	3
6	Dr. Srinath Rajagopalan	Advance	2
7	Dr. R. Nithya	Basic	1
8	Dr.M.Balaji	Advance	1
9	Dr.D.Umarani	Advance	1
10	Dr.C.Arun Prakash	Basic	0
11	Dr. B. Ambedkar	Basic	0
12	Dr.N.Bhalaji	Advance	0

#### 1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-16604	Yes
HEI Participated in the Smart India Hackathon (2022)	C-16604	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
1	Professional Ethics in Engineering	GE8076	2020-21	Elective Course	Bachelor	Civil Engineering	3
2	Environmental and Social Impact Assessment	OCE751	2020-21	Elective Course	Bachelor	Civil Engineering	3
3	Strategic Management	PBA1301	2020-21	Core Course	Master	Master of Business Administration	3
4	Advertising and Public Relations	PBA1321	2020-21	Elective Course	Master	Master of Business Administration	3
5	Green Building Design	OEN751	2020-21	Elective Course	Bachelor	Civil Engineering	3
6	Consumer Behaviour	PBA1322	2020-21	Elective Course	Master	Master of Business Administration	3
7	Customer Relationship Management	PBA1323	2020-21	Elective Course	Master	Master of Business Administration	3
8	Sales and Distribution Management	PBA1324	2020-21	Elective Course	Master	Master of Business Administration	3
9	Construction planning and Scheduling (PE)	CE8012	2020-21	Elective Course	Bachelor	Civil Engineering	3
10	Services Marketing	PBA1325	2020-21	Elective Course	Master	Master of Business Administration	3

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>Total Credit Score</b>
11	Integrated Water Resources Management	UCE1942	2020-21	Elective Course	Bachelor	Civil Engineering	3
12	Strategic Brand Management	PBA1326	2020-21	Elective Course	Master	Master of Business Administration	3
13	Banking Services Management	PBA1327	2020-21	Elective Course	Master	Master of Business Administration	3
14	Corporate Finance	PBA1328	2020-21	Elective Course	Master	Master of Business Administration	3
15	Financial Statement Analysis	PBA1329	2020-21	Elective Course	Master	Master of Business Administration	3
16	Economic Analysis for Business	PBA1101	2020-21	Core Course	Master	Master of Business Administration	4
17	Industrial Relations and Labour Laws	PBA1331	2020-21	Elective Course	Master	Master of Business Administration	3
18	Statistics for Managerial decisions	PBA1102	2020-21	Core Course	Master	Master of Business Administration	4
19	Organizational Behaviour	PBA1103	2020-21	Core Course	Master	Master of Business Administration	3
20	Organizational Theory Design and Development	PBA1332	2020-21	Elective Course	Master	Master of Business Administration	3

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21	Strategic Human Resource Management	PBA1333	2020-21	Elective Course	Master	Master of Business Administration	3
22	Accounting for Management	PBA1104	2020-21	Core Course	Master	Master of Business Administration	4
23	Supply Chain and Logistics Management	PBA1334	2020-21	Elective Course	Master	Master of Business Administration	3
24	Legal Aspects of Business	PBA1105	2020-21	Core Course	Master	Master of Business Administration	3
25	Total Quality Management	PBA1335	2020-21	Elective Course	Master	Master of Business Administration	3
26	Services Operations Management	PBA1336	2020-21	Elective Course	Master	Master of Business Administration	3
27	International Marketing	PBA1421	2020-21	Elective Course	Master	Master of Business Administration	3
28	Retail Management	PBA1422	2020-21	Elective Course	Master	Master of Business Administration	3
29	Project Management	PBA1429	2020-21	Elective Course	Master	Master of Business Administration	3
30	Security Analysis and Portfolio Management	PBA1425	2020-21	Elective Course	Master	Master of Business Administration	3

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>Total Credit Score</b>
31	Training and Development	PBA1428	2020-21	Elective Course	Master	Master of Business Administration	3
32	Professional Ethics	UGE1576	2020-21	Core Course	Bachelor	Mechanical Engineering	3
33	Intellectual Property Rights	UME1041	2020-21	Elective Course	Bachelor	Mechanical Engineering	3
34	Operations Research	UME1605	2020-21	Core Course	Bachelor	Mechanical Engineering	4
35	Total Quality Management	UGE1476	2020-21	Elective Course	Bachelor	Mechanical Engineering	3
36	Principles of Management	MG8591	2020-21	Core Course	Bachelor	Mechanical Engineering	3
37	Total Quality Management	UGE1476	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3
38	Principles of Management	UEE1521	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3
39	Disaster Management	GE8071	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3
40	Total Quality Management	GE8077	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3

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41	Principles of Management	MG8591	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3
42	Disaster management	GE8071	2020-21	Elective Course	Bachelor	Bio-Medical Engineering	3
43	Hospital Management	UBM1521	2020-21	Elective Course	Bachelor	Bio-Medical Engineering	3
44	Hospital Management	UBM1521	2021-22	Elective Course	Bachelor	Bio-Medical Engineering	3
45	Medical System Design and Modeling lab	UB1712	2021-22	Core Course	Bachelor	Bio-Medical Engineering	2
46	Urban Planning and Development	UCE1522	2021-22	Elective Course	Bachelor	Civil Engineering	3
47	Air Pollution Management	UCE1941	2021-22	Elective Course	Bachelor	Civil Engineering	3
48	Construction Economics and project Management	UCE1701	2021-22	Core Course	Bachelor	Civil Engineering	3
49	Total Quality Management	UGE1476	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3
50	Principles of Management	UEE1521	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3



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51	Energy Management and Auditing	UEE1725	2021-22	Elective Course	Bachelor	Electrical and Electronics Engineering	3
52	Professional Ethics	UGE1576	2021-22	Core Course	Bachelor	Mechanical Engineering	3
53	Entrepreneurship	UME1943	2021-22	Elective Course	Bachelor	Mechanical Engineering	3
54	Innovation and Creativity	UME1942	2021-22	Elective Course	Bachelor	Mechanical Engineering	3
55	Marketing Management	PBA1201	2020-21	Core Course	Master	Master of Business Administration	4
56	Human Resource Management	PBA1202	2020-21	Core Course	Master	Master of Business Administration	3
57	Financial Management	PBA1203	2020-21	Core Course	Master	Master of Business Administration	3
58	Operations Management	PBA1204	2020-21	Core Course	Master	Master of Business Administration	3
59	Business Research Methods	PBA1205	2020-21	Core Course	Master	Master of Business Administration	3
60	Business Information Systems	PBA1206	2020-21	Core Course	Master	Master of Business Administration	3

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>Total Credit Score</b>
61	Applied Operations Research	PBA1207	2020-21	Core Course	Master	Master of Business Administration	4
62	Strategic Management	PBA1301	2021-22	Core Course	Master	Master of Business Administration	3
63	Advertising and Public Relations	PBA1321	2021-22	Elective Course	Master	Master of Business Administration	3
64	Consumer Behaviour	PBA1322	2021-22	Elective Course	Master	Master of Business Administration	3
65	Customer Relationship Management	PBA1323	2021-22	Elective Course	Master	Master of Business Administration	3
66	Services Marketing	PBA1325	2021-22	Elective Course	Master	Master of Business Administration	3
67	Strategic Brand Management	PBA1326	2021-22	Elective Course	Master	Master of Business Administration	3
68	Strategic Brand Management	PBA1326	2021-22	Elective Course	Master	Master of Business Administration	3
69	Banking Services Management	PBA1327	2021-22	Elective Course	Master	Master of Business Administration	3
70	Corporate Finance	PBA1328	2021-22	Elective Course	Master	Master of Business Administration	3

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71	Financial Statement Analysis	PBA1329	2021-22	Elective Course	Master	Master of Business Administration	3
72	Industrial Relations and Labour Laws	PBA1331	2021-22	Elective Course	Master	Master of Business Administration	3
73	Organizational Theory Design and Development	PBA1332	2021-22	Elective Course	Master	Master of Business Administration	3
74	Strategic Human Resource Management	PBA1333	2021-22	Elective Course	Master	Master of Business Administration	3
75	Supply Chain and Logistics Management	PBA1334	2021-22	Elective Course	Master	Master of Business Administration	3
76	Total Quality Management	PBA1335	2021-22	Elective Course	Master	Master of Business Administration	3
77	Services Operations Management	PBA1336	2021-22	Elective Course	Master	Master of Business Administration	3
78	Organizational Behaviour	PBA 2102	2021-22	Core Course	Master	Master of Business Administration	3
79	Economic Analysis for Business	PBA 2103	2021-22	Core Course	Master	Master of Business Administration	3
80	Accounting for Management	PBA 2104	2021-22	Core Course	Master	Master of Business Administration	3

<b>Srno</b>	<b>Title of Course</b>	<b>Course Code</b>	<b>Academic Year</b>	<b>Type of Course</b>	<b>Level of Course</b>	<b>Course Offering Department/ Centre/ Unit Name</b>	<b>Total Credit Score</b>
81	Statistics for Managerial Decisions	PBA 2105	2021-22	Core Course	Master	Master of Business Administration	4
82	Legal Aspects for Business	PBA 2106	2021-22	Core Course	Master	Master of Business Administration	3
83	Information Management	PBA 2107	2021-22	Core Course	Master	Master of Business Administration	3
84	Applied Operations Research	PBA 2201	2021-22	Core Course	Master	Master of Business Administration	4
85	Human Resource Management	PBA 2202	2021-22	Core Course	Master	Master of Business Administration	3
86	Financial Management	PBA 2203	2021-22	Core Course	Master	Master of Business Administration	3
87	Operations Management	PBA 2204	2021-22	Core Course	Master	Master of Business Administration	3
88	Marketing Management	PBA 2205	2021-22	Core Course	Master	Master of Business Administration	3
89	Business Research Methods	PBA 2206	2021-22	Core Course	Master	Master of Business Administration	3
90	Introduction to Business Analytics	PBA 2207	2021-22	Core Course	Master	Master of Business Administration	3

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91	Data Analysis and Visualization	PBA 2211	2021-22	Core Course	Master	Master of Business Administration	1
92	Principles of Management	PBA 2101	2021-22	Core Course	Master	Master of Business Administration	2
93	Data Analysis and Modelling	PBA 2111	2021-22	Core Course	Master	Master of Business Administration	1
94	International Marketing	PBA1421	2021-22	Elective Course	Master	Master of Business Administration	3
95	Retail Management	PBA1422	2021-22	Elective Course	Master	Master of Business Administration	3
96	Security Analysis and Portfolio Management	PBA1425	2021-22	Elective Course	Master	Master of Business Administration	3
97	Training and Development	PBA1428	2021-22	Elective Course	Master	Master of Business Administration	3
98	Project Management	PBA1429	2021-22	Elective Course	Master	Master of Business Administration	3
99	Operations Research	UME1605	2021-22	Core Course	Bachelor	Mechanical Engineering	4
100	Total Quality Management	UGE1476	2021-22	Elective Course	Bachelor	Mechanical Engineering	3

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101	Contract Laws and Regulations	UCE1623	2021-22	Elective Course	Bachelor	Civil Engineering	3
102	Professional Ethics	UGE1576	2021-22	Elective Course	Bachelor	Civil Engineering	3
103	Industrial Waste Management	UCE1828	2021-22	Elective Course	Bachelor	Civil Engineering	3
104	Disaster Management	UCE1424	2021-22	Elective Course	Bachelor	Civil Engineering	3
105	Environmental Impact Assessment	UCE1041	2021-22	Elective Course	Bachelor	Civil Engineering	3
106	Business Communication	PBA 2119	2021-22	Core Course	Master	Master of Business Administration	1
107	Seminar I	PBA 2115	2021-22	Core Course	Master	Master of Business Administration	1
108	Seminar II	PBA 2215	2021-22	Core Course	Master	Master of Business Administration	1
109	Intellectual Property Rights	UME1041	2021-22	Elective Course	Bachelor	Mechanical Engineering	3
110	Professional Ethics and Management Practices	UEC1703	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	3

## 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 Of Department Centre/ Uni Name
1	Artificial intelligence in Modern Manufacturing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Karunya Inst of Technolo Sciences
2	Metal Additive Manufacturing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	VNIT
3	Recent Innovations and Developments in Energy Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Velammal Engineering College
4	Manufacturing Technology Research and Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Aliah Univer
5	Entrepreneurship and Start-Ups	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CED Anna University a Ahmedabad
6	Automotive Engineering Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	SAE INDIA F Developmei Committee ARAI Acade
7	Design Synthesis and Characterization of Novel Materials	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology
8	Novel Materials	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Osmania Un

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
9	3D Printing Additive Manufacturing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology
10	Introduction to Python Programming and its Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	E and ICT Ac IIT Guwahat North Easte Regional Ins of Science a Technology Mantra Assc
11	Prognostics and Health Management of Engineering Systems	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Centre for Continuing Education Ir Institute of Technology
12	Robotics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Motilal Neh National Ins of Technolo Allahabad
13	Recent Advances in Manufacturing Processes and its Research Perspectives	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology Kattankulat
14	Internet of Things (IoT)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	JNTUA Collc Engineering
15	Design and Development of Products and Services	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Mechanical Engineering Engineering College



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
16	Alternate Fuels	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	University C of Engineer Anna Univer
17	Micro-electromechanical Systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sardar Pate College of Engineering
18	Waste Audit and Management for Fuel Value Added Materials Recovery	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Centre for V Managemer Sathyabama Institute of and Technol
19	ME 8493 Thermal Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sai Ram Engineering College Che
20	Vibration Analysis and Measurements	2020-21	Short-term Certificate Program	Self Sponsored/Supported	MNM Jain Engineering College Che
21	Outcome Based Education and NBA Accreditation for Tier Colleges	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRKR Engin College
22	Advances in Machining Manufacturing and Computing Process	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering Department Jain
23	Creative and Innovative Teaching Strategies for The New Normal	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SSN Institut Innovation C

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
24	Recent Developments in Sustainable Processes	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Carpet Tech Badohi Utta Pradesh
25	Advances in Composite Materials Manufacturing Processes and Optimization Techniques	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Mechanical Engineering University C
26	Biofuels and its applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	MEA Colleg Engineering
27	Testing of Materials for Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Mechanical Engineering Meenakshi Sundararaja Engineering College Che
28	Multi Agent and Microgrid Concept	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	GIAN and M National Ins of Technolo Jaipur
29	Emerging Trends in Artificial Intelligence	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Bhimavarar Institute of Engineering Technology Blackbuck Engineers P

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
30	International Research Development Programme in Advanced Computing IRDP 2022	2021-22	Short-term Certificate Program	Self Sponsored/Supported	SRM Institut Science and Technology Ramapuram Campus
31	Unlocking Blockchain Technology Hands on	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Computer S and Engineer S Abdur Raḥ Crescent Ins of Science a Technology association ICTACADEM
32	Management of Intellectual Property Uncertainty in Designing and Manufacturing for Electric Vehicle Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL Acade organised b Manipur
33	Global Warming and Impacts of Power Electronics Towards Green Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Valliam Engineering College Che
34	Practices on Deep Learning models Simulation tools Data visualization techniques on Cloud computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology Chennai

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
35	Augmented Reality and Virtual Reality A Future Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	SRM Institut Science and Technology Chennai
36	Modern Technologies for Teaching	2021-22	Short-term Certificate Program	Self Sponsored/Supported	AICTE ISTE Sponsored Refresher P by P S R Engineering College Siva
37	Data Science and Machine Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Satyabhama Institute of and Technol Chennai
38	Cyber Physical Systems and Industrial IOT	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP by Institute of and Technol Delhi
39	Industrial Automation and Control for Industry 4 0 (IACI 2021)	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department Silicon Instit Technology College Bhubanesw Odisha
40	Big Data Analytics for Smart Grid	2021-22	Short-term Certificate Program	Self Sponsored/Supported	AICTE ISTE Sponsored Refresher P by Sri Krishr Engineering College Coimbatore

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41	Emerging Opportunities in Power Electronics and Drives	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IEEE PELS M Section in association Vellore Insti Technology Chennai
42	Applications of IoT in Smart Grid Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP at Misrimal Na Munoth Jair Engineering College
43	Power Electronics Applications in Renewable Power Generation Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology and Manufa Kancheepur association and ICT Aca National Ins of Technolo Warangal (Sponsored Ministry of Electronics Information Technology GOI)
44	Power Electronic Applications in Renewable Power Generation Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department ECEIITD and Kancheepur Chennai in association and CT Aca NIT Warang

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
45	Recent trends and challenges in power market with smart grid technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department V R Siddharth Engineering College Vijaya Vittala Andhra Pradesh
46	Electrical Vehicles and power systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	VIT Chennai
47	Design and Optimization of EV Charging Technology in Smart Grid Platform	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Puducherry Technological University
48	Current Era- A technology driven Digital transformation in Industry 4.0	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department SJB Institute of Technology Kengeri Bangalore
49	Advances of Artificial Intelligence and Machine Learning in Societal Development	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Uttarakhand University
50	IoT Interfaced Smart Grid Technology	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Gayatri Vidya Parishad College of Engineering
51	Emerging Technologies in Electric Vehicles	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department Electrical and Electronics Engineering Bapatla Engineering College Bapatla

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52	Smart Cities	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Po Training Inst (Power Syst Training Inst Bangalore
53	Contemporary challenges in electrical engineering technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	St josephs c of engineer Chennai
54	Green Technology and Sustainability Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Amrita Vish Vidyapeeth:
55	Energy Conversion and Storage Devices	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP III Hyderabad
56	Electric Vehicles (EV) Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Governmen Engineering College Bhu
57	Design Thinking	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP by Bharati Vidy College of Engineering Belpada Nav Mumbai
58	Distributed Energy System Modelling and Control	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Governmen Engineering College Bha

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59	International Faculty Development Programme on Research Innovations and Emerging Advances in Electrical Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electrical and Electronics Engineering Easwari Engineering College Che
60	Current Trends of Power Electronics Applications in Electric Vehicles	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP by Government Engineering College Val
61	Quantum Computing and Quantum Cryptography	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Karnata
62	Recent Trends in Electric Vehicles	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Vardhaman engineering college Hyd
63	Applied Machine Learning and Data Science	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP by Institute of Information Technology Dharwad
64	Be the change Teaching learning process	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BSR Abdul F Crescent Ins of science a technology
65	Recent Innovations Technologies in Electrical Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electrical Engineering Engineering College Jha



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66	Solar PV System Design Using IoT	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Sri Venkates College of Engineering Chennai
67	Energy Storage - ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Gandhi Insti Technology Managemer Visakhapatr Andhra Prac
68	Electric vehicle - ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ATAL FDP by Rangasamy of Engineer Technology
69	Recent Trends and Challenges in Power Market with Smart grid Technologies	2020-21	Short-term Certificate Program	Self Sponsored/Supported	VRSCE Vijay Andhra prac
70	Integration of Alternate Energy Resources in Smart Grid ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Delhi
71	Internet of Things ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Shri Ramdex College of engineering managemer
72	Research opportunities and challenges in power electronics in EV and its impact on smart grid FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Trichy

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73	Sustainability Engineering ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department St Josephs ( of Engineer Chennai
74	Electric Vehicles- Sustainability Engineering ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	North east Regional Ins of Technolo Itanagar Aru Pradesh
75	Recent Developments in AI and Robotics ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Baba Farid C of Engineer Technology Bthinda
76	Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture ATAL STTP	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Kongunadu of Engineer Technology
77	Artificial Intelligence ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ABV - Indian Institute of Information Technology Managemer Gwalior
78	Electric Vehicles ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Hindustan Ii of Technolo Science
79	Modeling and Simulation of Energy Systems ATAL FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Technology Roorkee

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80	Recent Trends and Opportunities in Electricity Generation Transmission and Distribution FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of El Engineering University C
81	Applications of Artificial intelligence for Modern Power system FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department St Josephs ( of Engineer Chennai
82	Power Electronics Using MATLAB (code O) Technical Training Program	2020-21	Short-term Certificate Program	Self Sponsored/Supported	IETE Mumbai association Pantech E-le
83	Digital Skills for Smart Teaching - FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Education Annamalai University Annamalai T TN
84	Recent Trends in Power Electronics and Energy Storage Systems - FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Vardhaman of Engineer Autonomou Shamshaba Hyderabad
85	Contemporary Challenges in Electrical Engineering and Aiding Technologies - FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department St Josephs ( of Engineer Chennai

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86	Renewable Energy Systems - FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	RVS College Engineering Technology Coimbatore
87	Deep Learning for Medical Data Analysis Visualizations and Predictions	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	EduxLabs
88	Development of Research Proposals and Funding Opportunities	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Tirumala Engineering College
89	Emerging trends and advancements in communication systems - An industrial approach	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology Ramapuram Campus
90	Data visualization using Tableau	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dayananda : college of A Science
91	Universal human values	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE
92	End to End Process in Data Analytics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sivasubram: Nadar Colle Engineering Chennai

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93	VHDL Verilog Programming	2020-21	Short-term Certificate Program	Self Sponsored/Supported	The Institut Electronics & Telecommu Engineers M Chapter
94	Personal Effectiveness	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIT Bhuvane
95	MEMS based Sensors and Actuators for Biomedical Applications	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	IETE Vijayav
96	Web based Faculty development programme on Softcomputing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Information Technology Engineering vellore
97	Digital Farming Exploration with AI	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Vivekanand College of Technology Women Tiruchengoc
98	Deep learning and its applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics & academy IIT Roorkee
99	Electric Vehicles	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Teegala Kris Reddy Engir College Hyd
100	Internet of Things (IoT)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	JNTUA Colle Engineering

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101	Wearable Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thapar Insti Engineering Technology
102	Towards 5G Communications and Beyond with IoT Machine Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Goa College Engineering
103	GIS and Remote Sensing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Government Engineering College Bilal
104	Recent Trends and Applications in Biomedical Signal and Image Processing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	G H Raisoni of Engineer
105	Sensors Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of O Engineering Underwater Technology Kochi
106	Advanced Optical Access Networks and its Role in Smart Cities	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIIT Kota
107	Artificial Intelligence Machine Learning and Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	ABV Indian Institute of Information Technology Manager Gwalior

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108	Micro Electromechanical Systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sardar Patel College of Engineering Mumbai
109	Machine Learning Techniques for Social Media Analytics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIT Guwahat
110	Design Challenges in VLSI and Embedded system for IoT Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIIT Trichy
111	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	College of Engineering University
112	Artificial Intelligence AI for Healthcare	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sarvajanik C of Engineer Technology
113	Energy Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Velammal Engineering College
114	Solar Energy Technologies And Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Jyothi Enginr College
115	Leveraging the Power of Serverless Computing Architectural and Economic Impact Research Challenges and Issues	2020-21	Short-term Certificate Program	Central Govt. Agency	Kongu Enginr College

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116	Structural Life Assessment and Failure Diagnosis	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mepco Schk Engineering College
117	Niching methods on Multi Modal Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology
118	Waste Technology	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Govt of Indi
119	Computational Fluid Flow and Heat Transfer	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Gayatri Vidy Parishad Co Engineering Kakinada
120	Challenges and Remedies in Various fields of Civil Engineering	2020-21	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Vellore insti Technology Chennai Car
121	Recent Advances in Separation Processes	2020-21	Short-term Certificate Program	Central Govt. Agency	Pondicherry Engineering College Puducherry
122	Advances in Concrete Technology and Sustainable Construction Practices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Government Engineering College Dah
123	Sensor Interfacing and Controller Implementation in Engineering Systems	2020-21	Short-term Certificate Program	Central Govt. Agency	Saveetha Engineering College Che



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124	Alternate Fuels	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Christian Co of Engineer Technology
125	Stress Management	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Gauhati Uni
126	Leadership and Excellence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Faculty of Engineering Technology GurukulKan University Haridwar
127	Recent Advances In Computer Science And Allied Domains RACSAD	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering Technology University G Noida
128	Advanced Concepts In Materials and Structural Engineering	2020-21	Short-term Certificate Program	Self Sponsored/Supported	SRM Institut Science and Technology Kattankulat Chennai
129	Sports Training Coaching And Recent Changes In Rules and Regulations In Sports and Games	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Physical Edu Maharani Cl University Bangalore
130	Seismic Risk Mitigation and Vibration control of structures	2020-21	Short-term Certificate Program	Self Sponsored/Supported	RK Universit

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131	Internet of Things IoT and its Applications	2020-21	Faculty Development Program (FDP)	State Govt. Agency	Annamalai University Annamalai r
132	Quantity Surveying and Contracts	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Constructio Managemer Training Instl Bengaluru
133	Steel Concrete Composite Structures	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Univer: Kattangulat
134	Structural Life Assessment and Failure Diagnosis	2020-21	Short-term Certificate Program	Self Sponsored/Supported	SRM Institut Science and Technology Kattankulat
135	FDP on Universal Human Values for Student Induction	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE New
136	Hybrid Teaching Modalities Educational Strategies during COVID and Beyond	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	GLS Univers Faculty of B Administrat
137	Productivity Enhancement	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	National Ins of Technolo Warangal
138	ROAD - Response Effectiveness Organising Self Attitudinal Shift Decision Making	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Manipal Uni Jaipur

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139	Sensors Technology	2020-21	Short-term Certificate Program	Central Govt. Agency	The Univers Burdwan Kc
140	Green Technology and Sustainability Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Technology Institute Of Technology Managemer Bengaluru
141	3D printing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	OOT Dharw
142	Design thinking	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Sri Manakul Vinayagar Engineering College
143	Nanomaterials for clean energy and environmental applications	2020-21	Short-term Certificate Program	Central Govt. Agency	Physics divis Department Science and Humanities
144	Wearable Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Vignan Insti Technology Science
145	Block Chain	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Excel Engine College
146	Artificial Intelligence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	by PSNA Co Engineering Technology
147	Cyber Security	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	St Josephs ( of Engineer

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148	Building Smart Things by Leveraging IoT	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department JNN College Engineering
149	Moodle Learning Management System	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Center for Educational Technology National Ins of Technolo Warangal
150	Green Technology and Sustainability Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Malaviya Na Institute of Technology
151	Emerging Food Processing Technologies Prospects and Challenges for Food and Nutrition Security	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Food Engine and Technol Tezpur Univ
152	Green Technology and Sustainability Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Coimbatore Institute of Technology Coimbatore
153	Waste Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT WARAN
154	Internet Of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Kongunadu of Engineer Technology
155	Artificial Intelligence Machine Learning and Deep Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	University Visvesvaray College of Engineering Bangalore

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156	Responsibility of higher Education Institutions under AICTE in Implementing Sustainable Development Goals	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sairam Institute of Technology
157	Wearable Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Anna University
158	Cyber Security	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Coimbatore Institute of Technology
159	Alternate Fuels	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	A D Patel Institute of Technology
160	Blended Learning and Flipped Classroom	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Institute of Technical Teachers Training and Research Chandigarh
161	Responsibility of Higher Education Institutions under AICTE in Implementing Sustainable Development Goals	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sairam Institute of Technology Chennai
162	Wearable devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thapar Institute of Engineering Technology

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163	Recent Trends in Precision Agriculture	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sant Longowal Institute of Engineering Technology Longowal
164	Machine Learning Based Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	ECE Department Sreyas Institute of Engineering Technology Hyderabad
165	Embedding AI in Smart Sensors	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Ramakrishna Engineering College Coimbatore
166	AI and IoT- Based Technology for Precision Farming and Smart Agriculture	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	KGiSL Institute of Technology Coimbatore
167	Combating Cancer Role of ML Techniques in Prevention and Treatments	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Kalaingar Karunanidhi Institute of Technology Coimbatore
168	Quantum Computing and Quantum Cryptography	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Institute of Technology Karnataka
169	System Design Healthcare and Assistive Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department SSNCE

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170	Cutting edge technologies in Energy storage system for E Mobility	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	by KPR Insti Engineering Technology
171	Short Term Course on Innovative Pedagogical Practices in Higher Education	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Lovely Prof University P
172	Quantum Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Government College of Engineering Tanjore
173	Data Science for Healthcare	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Vivekanand College of Engineering Women
174	Cybersecurity for Internet of Things	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIITDM Jaba
175	Theory of Computation	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department SSNCE
176	Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence Medical Devices and Internet of Things	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	R M K Engin College

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177	Data Science	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Punjab Engi College
178	Creative and Innovative Teaching Strategies for the New Normal	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Innovation C of Sri Sivasubrami Nadar Colle Engineering
179	Quantum Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Birla Institu Technology
180	GIS and Remote sensing and its Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Punjab Rem Sensing Cen
181	System design for Healthcare and Assistive Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electronics & Communic Engineering College of Engineering
182	IoT in 5G Technology	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Silicon Instit Technology Bhubanesw Odisha
183	Machine Learning for IOT applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Dept of CSE Warangal
184	Productivity Enhancement through Meditation	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Jaipur Engir College and Research Ce Jaipur



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185	Green Technology for Enhancing Livelihoods	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Dept of Elec and Communica Engg held a Centurion University o Technology Managemer Bhubanesw Campus Odi
186	Emerging Technologies for Sustainable Environmental Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Calicut
187	Bioconversion Technologies and Start-up Opportunities in Biofuels Production	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Silver Jubile College
188	Emerging Technologies for Sustainable Environmental Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Calicut
189	Environment Energy Health and Safety Trends and Industrial Aspects	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Karmaveer KakasahebV Polytechnic
190	Recent Trends in Chemical and allied Industries	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Governmen Polytechnic

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191	Functional Materials for Energy Environment and Healthcare	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of M Science and Engineering Calicut
192	System Design for healthcare and Assistive Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Sri Sivasubrami Nadar Colle Engineering Kalavakkam Chennai
193	Signal Processing and Machine Learning for AI Driven Healthcare Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIT Patna
194	Combating Cancer Role of ML techniques in Prevention and Treatments	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	KIT Coimbat
195	System design for Healthcare and Assistive Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electronics & Communic Engineering Sivasubrami Nadar Colle Engineering
196	Structural Assessment Repair and Rehabilitation of Structures	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE and S

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197	Structural design using STADD PRO	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Sm services Ind Corporation NSIC Hydera
198	Emerging Technologies for Sustainable Environmental Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Calicut
199	Practices on Deep Learning models Simulation tools Data visualization techniques on Cloud computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology Chennai
200	Creative and Innovative teaching Strategies for the New Normal	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Innovation C of Sri Sivasubram; Nadar Colle Engineering Chennai
201	Augmented Reality and Virtual Reality A Future Technology	2021-22	Short-term Certificate Program	Self Sponsored/Supported	SRM Institut Science and Technology Chennai
202	Earthquake Resistant Structural Systems and Design for Buildings and Structures	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Venkates College of Engineering Chennai

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203	Optical Wireless Communication An enabling Technology for Next Generation Networks	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	E and ICT Ac NIT Warang Department Electronics Engineering Pondicherry University Pondicherry
204	Field Practices in Geotechnical Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Dept of Civi Engineering Institute of and Technol Chennai
205	Embedded System Design using Intel SoC FPGAs	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electronics Communica Engineering Sivasubram Nadar Colle Engineering with Intel
206	Thrust areas of Research in Civil Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Civil Engine Dr N G P Ins of Technolo
207	AI and Data Science Applications with one API Heterogenous Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	the Departm IT SSN Colle Engineering association Boston Acac and Intel Corporation
208	Thrust Areas of Research in Civil Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Dr N G P Ins of technolo Coimbatore

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209	Research capabilities on Edge and Fog computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sai Ram Institute of Technology Chennai
210	Field Practices in Geotechnical Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	SRMIST IGS Student Cha Chennai
211	Emerging Technologies for Sustainable Environmental Management	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Civil Engine National Ins of Technolo Calicut
212	Recent Advancements in Social Internet of Things (SIoT) and Industrial Internet of Things (IIoT)	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Computer S and Engine National Ins of Technolo Puducherry Karaikal
213	Developing Academic Leaders for Quality HEIs	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Maharshi Da University R
214	AI and Data Science Applications With oneAPI Heterogeneous Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department SSN College Engineering
215	Inculcating Universal Human Values in Technical Education	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE

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216	Photonics and its Application	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sardar Valla National Ins of Technolo Surat Gujar
217	Functional Materials for Energy Environment and Healthcare	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Calicut
218	Recent Devepments in Material Science 21	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Saraswat Thyagaraja Coimbatore
219	Biomedical Antennas	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Electronics & Communica Engineering KARUNYA INSTITUTE OF TECHNOLO SCIENCES
220	Cyber Security for Next Generation Technologies Challenges and Solutions	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department IIITDM Kancheepur
221	Entrepreneurship and Start-ups	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EDI Ahmeda and Centre Entrepreneur Development University
222	Recent Advances in Deep Learning and its Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Machine Lea Research Gr SSN CE

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
223	Introduction to Machine learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NPTEL
224	Nonlinear and Evolutionary Optimization Techniques in Engineering	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department chemical engineering College of Engineering Visakhapatr
225	Advanced Surveying using Total Station and Drone	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	BLDEA Dr P Halakatti Co of Engineer Technology
226	Case studies in Geotechnical Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Civil Engine Presidency University Bengaluru
227	PARAKH	2021-22	Short-term Certificate Program	Self Sponsored/Supported	AICTE in collaboratio CIDC
228	English Language Teaching Theory Research and Pedagogy	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	The Departr English and Cultural Stu CHRIST (De to be Univer Delhi NCR C
229	Spatial Analysis for Water Resource Modelling and Management (SAWRMM)	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Sardar Valla National Ins of Technolo (SVNIT) Sur

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
230	Universal Human Values II (UHV II)	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	College Of Engineering Campus Che
231	Formal Verification of Digital Designs	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	PES UNIVER
232	BioMEMS and LAB ON CHIP Technologies for Point of Care Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	C Abdul Hak College of Engineering Technology
233	Device Security in Internet of Things Internet of Things (IoT) Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Indian Instit Information Technology Guwahati A:
234	Cyber Crimes Defensive Practices and Safe Computing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Pondicherry Engineering College
235	Strategies and Outcomes to Enhance sustainable Green Environment	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	University C of Engineer Campus) Tiruchirapp:
236	Data Science	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIIT Una (HP)
237	Sensors Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Gnanamani of Technolo Namakkal



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
238	Introductory Data Science and Deep Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology Allahabad
239	Recent Advancements in Semiconductor Technologies	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department SRMIST Che
240	Industry 4 0 Applications of Deep Learning and Artificial Intelligence in Computer Vision	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Information Technology Josephs Inst of Technolo
241	AICTE Incorporating Universal Human Values in Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	An AICTE In
242	Precision Healthcare Technology	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Biomedical Engineering Sivasubram: Nadar Colle Engineering
243	Universal Human Values for Student Induction	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department
244	Artificial Intelligence for Speech and Bio Signal Processing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology Dharwad

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
245	Recent Trends in Waste Management Technologies	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	by Department Petrochemical Technology BIT Campus University Tiruchirapp
246	Foundation course on fundamentals of Geomatics (Remote Sensing GIS GNSS)	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Jawaharlal Technologic University Hyderabad
247	Internet of Things (IoT) in Smart Cities	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Kongunadu of Engineer Technology Tamilnadu
248	Virtual and Augmented Reality for Robotics	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Vimal Jyoth Engineering College
249	Photonics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIT Bhilai
250	Predictive Modelling Using Data Science Techniques	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Technology Guwahati
251	Green Technology and Sustainability Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dr BR Ambe National Ins of Technolo Jalandhar D ATAL

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
252	Deep Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Atal Bihari Vajpayee Institute of Information Technology Management Gwalior
253	Advances in Electronics and Communication Engineering for Industrial Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Stanley College Engineering Technology Women
254	Deep Learning and Computer Vision in Image and Video Data Analysis	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	EduxLabs in association Cell IIT Hyderabad
255	Impact of polyphenols in enzyme inhibition and formulation of healthcare apparels		Short-term Certificate Program	Self Sponsored/Supported	Department Biotechnology jointly with Department Textile and Technology Kumaraguru College of Technology Coimbatore
256	Deep Learning and AI applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Warangal
257	Capacity building through for Emotional Intelligence for Women	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dr SNS Raja College of Applied Science Coimbatore

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
258	Structural Life Assessment and Failure Diagnosis Phase -III	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dept of Civi Engineering Schlenk Engineering College Siva
259	Current Trends of Deep Learning in Various Research Domains	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	NIT Warang with VIT Uni
260	Machine Learning and Deep Learning for Remote Sensing Applications	2021-22	Short-term Certificate Program	Self Sponsored/Supported	NIT Suratka Karnataka
261	MEAN Stack Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sree Vidyan Engineering College (Autonomo
262	Advances of Artificial Intelligence and Machine Learning in Societal Development	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Uttarakhand University
263	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Rajagopal Polytechnic College
264	AICTE Incorporating Universal Human Values in Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
265	Precision Healthcare Technology	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Biomedical Engineering Sivasubramani Nadar College Engineering Chennai
266	Advances in Pollution Control Technologies and Sustainable Development	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Malaviya National Institute of Technology
267	Recent Advances and Application of IOT in Renewable Energy Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Engineering Technology New Delhi
268	Deep Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Atal Bihari Vajpayee Institute of Information Technology Manager Gwalior
269	Leadership Excellence	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IIM Ahmeda
270	Road Safety and Management of Fire Fighting Strategies for Smart Cities	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	IPS Academy Institute of Engineering Science

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
271	Predictive Modelling Using Data Science Techniques	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Technology Guwahati
272	Introductory Data Science and Deep Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	International Institute of Information Technology Raipur
273	Data Sciences	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Post Training Institute Southern Region
274	Fundamentals of Geotechnical and Structural Engineering for Sustainable infrastructural Development	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE New
275	Emotional Intelligence	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Government Engineering College Thri
276	Virtual and Augmented Reality for Robotics	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Vimal Jyoth Engineering College
277	Disaster Resilience Infrastructure	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE New

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Departmen Centre/ Uni Name</b>
278	Instrumentation Signals and Images for the Evaluation of Physiological Systems	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Trichy
279	Inculcating Universal Human Values in Technical Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE
280	Green Buildings Built Environment	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	CII IGBC
281	Deep Learning	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Atal Bihari Vajpayee In Institute of Information Technology Managemer Gwalior
282	Green Technology and Sustainability Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Amrita Vish Vidyapeeth:
283	Modern Trends in Civil Engineering and Construction Industry	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	College of Engineering Kidangoor
284	Bioconversion Technologies and Start-up Opportunities in Biofuels Production	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Silver Jubile College

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
285	Recent Advances in Water Treatment and Desalination	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Anna Univer University C of Engineer Dindigul Tar Nadu
286	Nano Furtherance of Pharmaceutical Engineering An Industrial Perceive	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Nirmala Col Pharmacy
287	Green Technology and Sustainability Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	at Amrita Vi Vidyapeeth:
288	Data sciences	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE Traini Learning (A academy at University o Tamilnadu
289	Artificial Intelligence in Biomedical Engineering Current Trends and Future	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sant Longov Institute of Engineering Technology
290	DATA SCIENCE AND ITS APPLICATIONS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE Traini Learning (A academy at University o Tamilnadu
291	Medical Image Processing and 3D Applications	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	University C of Engineer



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
292	National Online FDP	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Civil Engineering Nitte Meenakshi Institute of Technology Bangalore
293	Incorporating Universal Human Values in Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE
294	Artificial intelligence in biomedical engineering Current trends and future	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Sant Longowal Institute of Engineering Technology Longowal
295	Waste Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dr MGR Educational Research Institute
296	Precision Health Technologies	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Medical Engineering College of Engineering Chennai
297	Indian Knowledge Systems in Contemporary Education and Practices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Centre for Professional Development Higher Education CPDHE UGC Delhi University
298	NBA Accreditation Process	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	JNTUA Ananthapur

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
299	Micro Electro-Mechanical Systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sardar Pate College of Engineering
300	Repair Rehabilitation and Retrofitting Techniques of Reinforced concrete Structures	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Civil Engine Srinivasa Ramanujan Institute of Technology Ananthapur
301	Wearable Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Karunya Inst of Technolo Sciences
302	Earthquake Response and Vibration Control of Lifeline Structures	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	College of Engineering
303	Filter Design Tools for Synthesis Modelling and Optimization	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Dassault Sys
304	Global Vision for Academic Excellence	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	School of Sc Work Roshn (Autonomo Mangalore
305	Novel Materials hostel	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Technology
306	Deep Learning for Audio and Speech Processing	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE Traini Learning (A

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
307	Earthquake Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	LD College of Engineering Ahmedabad
308	Recent Advances in Pavement Material Testing and Design STTP II	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	MNM Jain Engineering College Che
309	Advanced concepts in Materials and Structural health Monitoring	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Univer: UNIMAS sup by ICI
310	Biomedical Instrumentation	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	UNIVERSITY COLLEGE O ENGINEERING DAVANAGEI
311	Wearable Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Ramakris Institute of Technology
312	Precision Health Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thiagarajar of Engineer
313	Finite Element Analysis using ANSYS	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department Mechanical Engineering University C of Engineer Anna Univer Campus Tiruchirapp:

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
314	Modern Optimization Tools in Engineering Field-V	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Valliam Engineering College
315	Strategies in Teaching Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering Department Sai Ram Inst Technology
316	Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	GIET Univer GunpurOdis
317	Waste audit and management for fuel value added materials recovery	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sathyabama Institute of and Technol
318	Quantum Computing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Muthayamr Engineering College
319	AI in Healthcare	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Department Information Technology Sivasubram: Nadar Colle Engineering
320	Artificial Intelligence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Sri Sairam Engineering College Che

<b>Srno</b>	<b>Title of Course</b>	<b>Academic Year</b>	<b>Type of Certificate Program</b>	<b>Certificate Program/MDP/FDP/EDP Sponsored/Supported by</b>	<b>Certificate Program Of Department Centre/ Uni Name</b>
321	Sensors Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thiagarajar Polytechnic College Sale
322	Internet of Things (IoT)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM Institut Science and Technology
323	Internet of Things (IoT)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Birla Vishva Mahavidyal Engineering College Guji
324	Robotics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Ramrao Adi Institute of Technology Mumbai
325	Precision Health Technology	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thiagarajar of Engineer Madurai
326	Cyber Security	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Kongu Engin College Ero
327	Modeling Simulation and Fabrication of Futuristic Semiconductor MEMS and NEMS Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	KL Universit
328	Internet of Things (IoT)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Kongu Colle Technology
329	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Kongu Colle Technology

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
330	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Puducherry
331	Smart Cities	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Lendi instit Engineering Technology Kakinada Ar Pradesh
332	Artificial Intelligence	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Manipal Inst of Technolo Manipal Aca of Higher Education M
333	Data Science and Analytics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology
334	Internet of Things	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	SRM INSTITI SCIENCE AN TECHNOLO Delhi
335	Data Sciences	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Madras Inst Technology
336	Data-Driven Strategies in Smart Power System and Control-2021	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Andhra Prac
337	Introduction to Speech Processing and its Applications using AI-ML (ISPA)-2021	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Centre for Developme Advanced Computing

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
338	VLSI Design Techniques and its Applications in AIML	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Thapar Insti Engineering Technology
339	Soft Computing and its Application in Electromagnetics (SCAE-2021)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology
340	Advances of Cryptography in Quantum Computing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	College of Engineering University
341	Python Programming for Beginners using Artificial Intelligence Machine Learning and Deep Learning	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Warangal
342	Inculcating Universal Human Values in technical Education	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE
343	Recent Trends and Practices in Geo-Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	CSIR-CBRI R and Univers Sydney Aust
344	Incorporating Universal Human Values in Education (UHV)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	AICTE New

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
345	Sensor Data Analytics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology Kottayam
346	Nanoelectronics Devices Materials to Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Information Technology
347	Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC)	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	TPCT Terna Engineering College Mur
348	Overview of Speech Processing	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	IIT Dharawa
349	Artificial Intelligence for Electrical Engineering	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Rajarambap Institute of Technology Maharashtra
350	Emerging Trends and Developments in Electric Vehicles	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	National Ins of Technolo Manipur
351	Applications of IoT in Smart grid systems	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Misrimal Na Munoth Jair Engineering College Che
352	Blockchain Technology and Full Stack DApp	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	EduxLabs in association Cell IIT Hyde



Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Of Department Centre/ Uni Name
353	Applications of Simulation Modeling in Water Resources Management	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Indian Instit Technology Roorkee
354	WASTE MANAGEMENT PRACTICES FOR FUTURE INDIA	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	University C of Engineer Ramanathaj
355	RECENT RESEARCH ADVANCES IN MATHEMATICS	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	St Josephs College(Art: Science) Ch

### 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
1	Innovation Cell	Innovation Cell	Dr.R.Seyezhai	9894968847	seyezhair@ssn.edu.in

<b>Sr. No.</b>	<b>Type of the Unit</b>	<b>Name of Unit</b>	<b>In-charge Name</b>	<b>Contact no</b>	<b>Email</b>
2	Innovation Cell	Renewable Energy conversion Laboratory	Dr.R.Seyezhai	9894968847	seyezhair@ssn.edu.in
3	Start-Up Cell	SSN Incubation Foundation	Dr.N.Bhalaji	9500086801	bhalajin@ssn.edu.in
4	Innovation Cell	Center for Product Design	Dr VE Annamalai	9840359093	annamalaive@ssn.edu.in
5	Innovation Cell	Metal Casting and Heat Treatment Lab for design and fabrication	Dr S R Koteswara Rao	9042652750	koteswararaosr@ssn.edu.i
6	Innovation Cell	Advanced materials joining and machining Centre	Dr.G.S elvakumar	9489581665	solvakumarg@ssn.edu.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
7	Innovation Cell	Lab for Energy Studies & Robotics	Dr.N.N allusamy	9444538798	nallusamyn@ssn.edu.in
8	Innovation Cell	Research Project Laboratory	Dr.S.Radha	9381032356	radhas@ssn.edu.in
9	Innovation Cell	Wireless Sensor Network Laboratory	Dr.S.Radha	9381032356	radhas@ssn.edu.in
10	Innovation Cell	RF and Microwave Testing Laboratory	Dr S Radha	9381032356	radhas@ssn.edu.in
11	Innovation Cell	Optical Research & Networks Laboratory & ISRO -Research Project	Dr.S.Prita Nair	9444909632	pritanair@ssn.edu.in
12	Innovation Cell	Underwater Acoustic Research Laboratory &Wireless Technology Lab & Textronics Design and Development Lab &Materials and MEMS lab	Dr.S.Radha	9381032356	radhas@ssn.edu.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
13	Innovation Cell	High Performance Computing Lab	Dr. T.T. Mirnalinee	9444194584	mirnalineett@ssn.edu.in
14	Innovation Cell	CTS Lab	Dr. R. Kanchana	9840623864	kanchanar@ssn.edu.in
15	Innovation Cell	Sonic & Ultrasonic bandgap metamaterials Lab (PSRC), SSN National MEMS Design Centre (Interdisciplinary), Luminescence Lab (PSRC) Materials Research Lab	Dr.S.Prita Nair	9444909632	pritas@ssn.edu.in
16	Innovation Cell	Thin Film Lab (PSRC), Crystal Growth Lab ,Optical Research and Networks Lab (Interdisciplinary)	Dr.N.P.Rajesh	9962086789	rajeshnp@ssn.edu.in
17	Innovation Cell	Functional Materials Lab (PSRC), Radiation Research facility (PSRC) ,High temperature Crystal Growth & Ceramics lab	Dr.Anandha babu	9791137823	anandhababug@ssn.edu.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
18	Innovation Cell	Polymer Science and Engineering Lab, Organic Synthesis Lab, Inorganic Synthesis Lab, Materials for Environment Remediation and Research Lab	Dr. Murugesan A	9842881227	murugesana@ssn.edu.in
19	Innovation Cell	Material synthesis Lab, Advanced Energy Storage Device Lab, Photocatalysis and Energy materials Lab, Protein Biochemistry Lab	Dr.M.Siluvai Michael	7550044387	michaelm@ssn.edu.in
20	Innovation Cell	High Voltage Research Lab	Dr.V.Rajini	9940684159	rajiniv@ssn.edu.in
21	Innovation Cell	Center for Carbon Capture	Dr.B.Ambedkar	9677984774	ambedkarb@ssn.edu.in
22	Innovation Cell	Mass Transfer Lab, Sophisticated Instrumentation Lab, Chemical Reaction Engg Lab, Technical Analysis Lab,	Dr.K.Satishkumar	9962570234	satishkumark@ssn.edu.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
23	Innovation Cell	Process Control Lab, Carbon Capture Lab, Environmental Engineering Lab, Mechanical Operations Lab	Dr.P.S enthilkumar	9884823425	senthilkumarp@ssn.edu.ir
24	Innovation Cell	SSN Research Centre	Dr.P.Ramasa my	9677051554	ramasamyp@ssn.edu.in
25	Innovation Cell	Advanced Power Electronics Lab	Dr.V.S.Nagarajan	9962626677	nagarajanvs@ssn.edu.inn.
26	Innovation Cell	Renewable Energy Systems Laboratory	DrD.Umarani	8754179428	umarani@ssn.edu.in
27	Innovation Cell	Corrosion fatigue test lab	Dr S Suresh Kumar	9994460258	sureshkumars@ssn.edu.in
28	Innovation Cell	High velocity impact analysis of materials	Dr S Suresh Kumar	9994460258	sureshkumars@ssn.edu.in

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email
29	Innovation Cell	Development of Advanced Material system	Dr. S. Santosh	9150915172	santoshs@ssn.edu.in
30	Innovation Cell	Material testing and inspection system	Dr K Jayakumar	9176657710	kjayakumar@ssn.edu.in
31	Innovation Cell	Smart grid protection lab	Dr V Rajini	9940684159	rajniv@ssn.edu.in

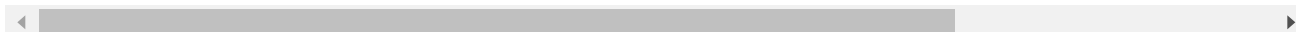
### 3.2) Existence of Incubation Facility ( $\geq$ 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	SSN Incubation foundation	N.Bhalaji	9500086801	bhalajin@ssn.edu.in	DBT/BIRAC,DST/NSTEDB/NIDHI, Resource,Other Central/State G

### 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
1	IPR Cell	Patent processing and management	Dr S Suresh Kumar	9994460258	sureshkumars@ssn.edu.in	Mentoring Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

## 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 )**

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovator Name</b>
1	Fabrication of musk melon waste hydrochar using hydrothermal carbonization and its application in removing emerging contaminants to achieve sustainable production	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Prof. Dr. P. Senthil Kumar
2	Vertical Axis Wind Turbine for Energy Storage	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr T Micha Premkumar
3	AUTOMATING EMPLOYEE CTC REIMBURSEMENT AND DATA TOKENIZATION	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	Sasirekha S

<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovator Name</b>
4	Effect of stitching on improving the tensile strength of sisal fabric/epoxy composites for internal bone plate applications	Academic Requirement/Study Project	2021-22	TRL 1 : Basic research. Principles postulated observed but no experimental proof available	Dr.M.Nalla Mohamed
5	AUTOMATED PARALYSIS PATIENT MONITORING SYSTEM	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P.Kaythry
6	Protective Filter for ABC Filtration	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 5 : Large scale prototype tested in intended environment	Arun Karthick S
7	Smart robot for pipeline condition assessment	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G Raghuraman



<b>Sr. No.</b>	<b>Innovation Name</b>	<b>Developed as part of</b>	<b>FY of Development (FY. 2020-21,2021-22)</b>	<b>TRL Stage</b>	<b>Team Lead/Innovator Name</b>
8	Garbage monitoring system	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Sasirekha S
9	Eye Protector API	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Sasirekha S
10	Elderly health care monitoring system using IOT	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	Dr.K.Usha
11	MShield - A mobile application to tract the lost phone and protect the data in the phone	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Karthika S

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name
12	Indian Sign Language Interpreter	Academic Requirement/Study Project	2020-21	TRL 6 : Prototype system tested in intended environment close to expected performance	J. K. Josephine Julina
13	REAL-TIME CRIME-HOTSPOT ALERT SYSTEM	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr. A. Sandana Karuppan

## S < [REDACTED] 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
1	SHRIMITHA ENERGY SOLUTIONS PRIVATE LIMITED	Private Limited Firm (Pvt. Ltd.)	U74999TN2022PTC152190 <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innovatic">https://api.mic.gov.in/uploads/institutes/innovatic</a> )
2	GEM Design Innovations	Registered Partnership Firm	UDYAM-TN-08-0008466 <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innovatic/Innovation2022240.pdf">https://api.mic.gov.in/uploads/institutes/innovatic/Innovation2022240.pdf</a> )
3	Inventus BioEnergy Private Limited	Private Limited Firm (Pvt. Ltd.)	U73200TN2020PTC135315 <b>View Document</b> ( <a href="https://api.mic.gov.in/uploads/institutes/innovatic">https://api.mic.gov.in/uploads/institutes/innovatic</a> )

**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	Boston IT Solutions (India) Private Ltd., Bangalore	Corporate/Industry Association	3yrs	Active	12-01-2022	<a href="#">View</a>
2	Builders Associate of India, Southern Centre, Chennai	Non Govt. Agency	5yrs	Active	16-08-2021	<a href="#">View</a>
3	CBRI- CSIR (Central Building Research Institute, Roorkee)	Educational Institute	3yrs	Active	12-03-2021	<a href="#">View</a>
4	Chettinad Academy of Research and Education, Chennai	Educational Institute	3yrs	Active	07-05-2022	<a href="#">View</a>
5	Ford Motor Private Limited, Chennai	Corporate/Industry Association	5	Active	17-03-2022	<a href="#">View</a>
6	Georgetown University, Washington, D.C.	Educational Institute	1yrs	Active	16-02-2022	<a href="#">View</a>

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
7	Green 201 Owners Welfare Association	Non Govt. Agency	3yrs	Active	24-09-2021	<a href="#">View</a>
8	Indian Institute of Information Technology Una, Himachal Pradesh	Educational Institute	5yrs	Active	02-09-2021	<a href="#">View</a>
9	Indian Institute of Technology, Madras	Educational Institute	3yrs	Active	15-09-2021	<a href="#">View</a>
10	Institute of Engineering & Management, Kolkata	Educational Institute	3	Active	10-08-2022	<a href="#">View</a>
11	Inventus Bioenergy Private Limited	Corporate/Industry Association	3yrs	Active	17-08-2021	<a href="#">View</a>
12	Valeo India Private Limited Company, Chennai	Corporate/Industry Association	5	Active	03-08-2022	<a href="#">View</a>
13	Way2grow Agritech Pvt Ltd, Chennai	Corporate/Industry Association	3	Active	30-09-2022	<a href="#">View</a>
14	YesPanchi Tech Services Private Limited	Corporate/Industry Association	3yrs	Active	18-04-2022	<a href="#">View</a>

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
15	ZEUS Project Consultants Private Limited, Chennai	Corporate/Industry Association	3yrs	Active	10-09-2021	<a href="#">View</a>
16	Kornerstone Devices PvtLtd., Chennai	Corporate/Industry Association	4yrs	Active	19-08-2020	<a href="#">View</a>
17	Larsen & Toubro Limited	Corporate/Industry Association	3yrs	Active	01-10-2021	<a href="#">View</a>
18	Leankloud Solutions Pvt Ltd	Corporate/Industry Association	3yrs	Active	22-02-2022	<a href="#">View</a>
19	Lefi Agritech Pvt Ltd, Chennai.	Corporate/Industry Association	3	Active	30-09-2022	<a href="#">View</a>
20	Mahindra Consulting Engineers, Chennai	Corporate/Industry Association	3yrs	Active	01-09-2021	<a href="#">View</a>
21	Manatec Electronics Pvt Ltd.	Corporate/Industry Association	5yrs	Active	23-06-2022	<a href="#">View</a>
22	Nguyen Tat Thanh University	Educational Institute	5yrs	Active	23-05-2022	<a href="#">View</a>
23	Numeric, Chennai	Corporate/Industry Association	3yrs	Active	23-03-2022	<a href="#">View</a>
24	RMIT Australia	Educational Institute	3yrs	Active	04-09-2020	<a href="#">View</a>



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
25	Seco Controls Pvt. Ltd. & Equad Engineering Services Pvt. Ltd.	Corporate/Industry Association	3yrs	Active	23-11-2021	<a href="#">View</a>
26	Seed for Safety	Corporate/Industry Association	3yrs	Active	20-03-2021	<a href="#">View</a>
27	Shiv Nadar University, Delhi	Educational Institute	5yrs	Active	01-06-2022	<a href="#">View</a>
28	Sri RamaChandra Institute of Higher education and Research, Chennai	Educational Institute	5	Active	04-08-2022	<a href="#">View</a>
29	Stayflexi Inc.	Corporate/Industry Association	3yrs	Active	10-07-2021	<a href="#">View</a>
30	Steradian Technologies Private Ltd, Chennai	Corporate/Industry Association	3yrs	Active	28-04-2022	<a href="#">View</a>
31	Taminadu Dr. J. Jayalalitha Fisheries and Research Institute	Educational Institute	5yrs	Active	30-03-2021	<a href="#">View</a>
32	The Sheba Fund for Health Services and Research, Israel	Corporate/Industry Association	3yrs	Active	23-02-2022	<a href="#">View</a>

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
33	The University of Nottingham in Malaysia SDN.BHD	Educational Institute	5yrs	Active	11-05-2022	<a href="#">View</a>
34	The University Of Texas At Dallas	Educational Institute	5yrs	Active	06-04-2022	<a href="#">View</a>
35	University of Catania	Educational Institute	5yrs	Active	05-05-2021	<a href="#">View</a>

## 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
No Data Found					

## 7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Automated Weight Measurement Based on Anthropometry	202041009649	06-03-2020
2	Single phase monoclinic Li <sub>2</sub> MnSiO <sub>4</sub> as an efficient battery- active positive Eelectrode material for rechargeable Lithium Batteries and method of preparing the same	202041026535	23-06-2020
3	Smart phone enabled Dermatoscope for Automated skin lesion Classification using Convolutional Neural Network	202041043279	05-10-2020
4	Unsupervised Multimodality Medical Image retrieval system	202041043275	05-10-2020
5	One Stretch Micromachining of Microfluidic Chip with Micro channels and Micro-holes using Ultra Short Laser	202041047649	01-11-2020
6	A System, Device And Method For Plant Disease Detection And Alert	202041047647	01-11-2020
7	Multifunctional sensor for the detection of toxic gases (Methane and Carbon monoxide) and pipeline leakages in the sewage system	202041047648	01-11-2020
8	Staircase Grooved Vertically Polarized Frequency Agile Radiator and Reflector	202141010974	15-03-2021
9	Star Shaped Compact DGS Incorporated dual band planar dipole Antenna	202141017150	12-04-2021
10	Quad Band RF Shield using a mechanically configurable venetian blind structure	202141010951	15-03-2021
11	Novel Optically Transparent UWB MIMO Antenna System: A Method and Device Thereof	202141010975	15-03-2021
12	Real Time Drowsiness and Fatigue Detection for Bikers using Helmet	202141010949	15-03-2021
13	An Intelligent Theft-Deterrent Bottom-Line Trash Basket on Wheels for Smart Waste Management System.	202141017153	12-04-2021

<b>Sr. No.</b>	<b>Title/Name of Patent</b>	<b>IP Registration Number</b>	<b>Date of Filed/Published</b>
14	Development of Car Stability Control Mechanism for Tyre Blowout Situation	202141017152	12-04-2021
15	Method of recovering abrasives from bonded rejects and method of reusing the same	202141018692	22-04-2021
16	Portable size conversion machine for coated abrasive discs	202141018693	22-04-2021
17	Embedded system for Cuffless Non Invasive Blood Pressure Monitor	202141017842	16-04-2021
18	Synthesis of a blue emitting Ba <sub>2</sub> CaZn <sub>2</sub> Si <sub>6</sub> O <sub>17</sub> :Pb <sup>2+</sup> phosphor for solid state light applications	202141019189	07-05-2021
19	Polyamides and Method of Preparation Thereof	202141017151	12-04-2021
20	Weather Based Cruise Control Module for Automobiles	202141017843	16-04-2021
21	An automated tool for early detection of depression from social media text using deep learning approach	202141033519	26-07-2021
22	A Thermo Warmer for LPG Stoves	202141040204	04-09-2021
23	Innovative Self-Adjustable Support for Soft Stem Trees to Avoid Cyclone Damage	202141040129	03-09-2021
24	Kinetic Finger analyzer cap for Parkinson's disease diagnosis	202141040125	03-09-2021
25	Theoretical and experimental analysis on the Design of Compound Reconfigurable Reflect array antenna with an Integrated Electronic Control System	202141041836	16-09-2021
26	Natural fiber laying attachment for Green Concrete Paver Block (GCPB) Making Machine	202241003717	22-01-2022
27	Blind Abled Reading Frame (BARF)	202241003724	22-01-2022
28	IoT based multi-purpose Smart Fabric Curtain	202241007546	12-02-2022
29	Sono-assisted Ultra-low Temperature CO <sub>2</sub> Stripping/Carbon-rich Solvent Regeneration	202241007547	12-02-2022
30	A Solar Powered Compact Dustbin Assembly	202241008633	18-02-2022

### 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	Instituted as
1	202121056005	"A SYSTEMATIC PROCESS APPROACH FOR DATA MINING FRAMEWORK ON DIVERSE BIOLOGICAL DATA AND OTHERS-"	02-12-2021	Published	2021	
2	202141041836	Frequency Agile Beam Scanning Reflectarray Antenna (RA) with an Integrated Electronic Control Board (ECB)	16-09-2021	Published	2021	
3	202141040204	A Thermo-Warmer for LPG Stoves	04-09-2021	Published	2021	
4	202141040129	Self-Adjustable Support for Soft Stem Trees to Avoid Cyclone Damage	03-09-2021	Published	2021	
5	202141040125	Finger Kinetic Cap for Parkinson's Disease Diagnosis	03-09-2021	Published	2021	
6	202141021846	INTERCONNECTION OF USB DEVICES OVER THE CLOUD	14-05-2021	Published	2021	
7	202141018692	METHOD OF RECOVERING ABRASIVES FROM BONDED REJECTS AND METHOD OF REUSING THE SAME	22-04-2021	Published	2021	

<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institut applic the Patent as</b>
8	202141018693	PORTABLE SIZE CONVERSION MACHINE FOR COATED ABRASIVE DISCS	22-04-2021	Published	2021	
9	202141017842	A CUFFLESS NON-INVASIVE BLOOD PRESSURE MONITOR	16-04-2021	Published	2021	
10	202141017843	WEATHER BASED CRUISE CONTROL MODULE FOR AUTOMOBILES	16-04-2021	Published	2021	
11	202141017152	DEVELOPMENT OF CAR STABILITY CONTROL MECHANISM FOR TYRE BLOWOUT SITUATION	12-04-2021	Published	2021	
12	202141017153	AN INTELLIGENT THEFT-DETERRENT BOTTOM-LINE TRASH BASKET ON WHEELS FOR SMART WASTE MANAGEMENT SYSTEM	12-04-2021	Published	2021	
13	202141017150	STAR SHAPED COMPACT DGS INCORPORATED DUAL BAND PLANAR DIPOLE ANTENNA	12-04-2021	Published	2021	
14	202141017151	POLYIMIDES AND METHOD OF PREPARATION THEREOF	12-04-2021	Published	2021	

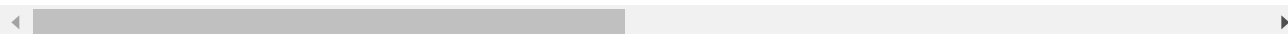
<b>Sr. No.</b>	<b>Patent Registration Application No</b>	<b>Patent Title</b>	<b>Patent Application Date</b>	<b>Status of Patent Applications</b>	<b>Patent Published / Granted Calendar Year</b>	<b>Institul applic the Patent as</b>
15	202141010975	NOVEL OPTICALLY TRANSPARENT UWB MIMO ANTENNA SYSTEM: A METHOD AND DEVICE THEREOF	15-03-2021	Published	2021	
16	202141010974	STAIRCASE GROOVED VERTICALLY POLARIZED FREQUENCY AGILE RADIATOR AND REFLECTOR	15-03-2021	Published	2021	
17	202141010951	QUADBAND RF SHIELD USING A MECHANICALLY CONFIGURABLE VENETIAN BLIND STRUCTURE	15-03-2021	Published	2021	
18	202141010949	REAL TIME DROWSINESS AND FATIGUE DETECTION FOR BIKERS USING HELMET	15-03-2021	Published	2021	
19	202141008996	UTILIZATION OF SENSORS IN CONCRETE TO MONITOR THE CURING PROCESS AND COMPRESSIVE STRENGTH OF CONCRETE	03-03-2021	Published	2021	
20	202141007724	AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR DETECTION OF BREAST CANCER IN HUMAN BODY	24-02-2021	Published	2021	

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic the Patent as
21	202141006965	MONO SODIUM L-GLUTAMIC ACID AS ELECTROLYTE FOR ENHANCING THE ELECTROCHEMICAL MICRO MACHINING PROCESS	19-02-2021	Published	2021	
22	202141006550	UTILIZATION OF BURR WASTES AS MICRO-REINFORCEMENTS IN CONCRETE TO OVERCOME DISPOSAL OF HAZARDOUS MATERIALS IN GLOBAL ENVIRONMENT	17-02-2021	Published	2021	
23	202141003662	IMMERSIVE VR BASED HIGH FIDELITY DIGITAL RECTAL EXAMINATION SETUP WITH HAPTIC FEEDBACK	27-01-2021	Published	2021	
24	202041040777	PROCESS OF DISSIPATION OF HEAT GENERATED IN COMPRESSOR OF SPLIT AIR CONDITIONER BY COLD CONDENSATE	21-09-2020	Published	2020	
25	202041030138	OPEN PROFILE BLADES FOR HORIZONTAL AXIS WIND TURBINE	15-07-2020	Published	2020	
26	201841042095	Box type modular photocatalytic reactor for removal of VOCs under normal fluorescent lamps	08-11-2018	Published	2020	



Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institut applic the Patent as
27	201941006594	An Embedded system design for non-invasive Blood Glucose measurement	20-02-2019	Published	2020	
28	201941052251	FRP Coil Springs	17-12-2019	Published	2020	
29	202041047649	One Stretch Micromachining of Microfluidic Chip with Microchannels and Micro-holes using Ultra Short Laser	01-11-2020	Published	2020	
30	202041047647	A System, Device And Method For Plant Disease Detection And Alert	01-11-2020	Published	2020	
31	202041047648	Multifunctional sensor for the detection of toxic gases (Methane and Carbon monoxide) and pipeline leakages in the sewage system	01-11-2020	Published	2020	
32	202141019189	Synthesis of a blue emitting Ba <sub>2</sub> CaZn <sub>2</sub> Si <sub>6</sub> O <sub>17</sub> :Pb <sup>2+</sup> phosphor for solid state light applications	26-04-2021	Published	2021	Applica
33	4646/CHE/2012	Air Inlet Regulating Device For Fluid Driven Two Stroke Engines	06-11-2012	Granted	2021	Applica
34	201641023407	Compact Mushroom Shaped Multiband Antenna with Slot Loaded Elliptical Micro Strip and Improved Performance Diversity	16-08-2016	Granted	2020	Applica

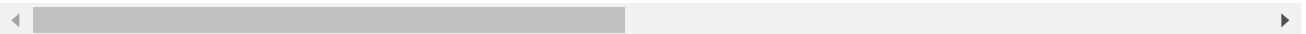
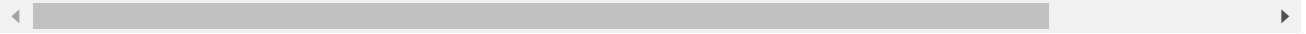
Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institul applic the Patent as
35	202041009649	Automated Weight Measurement Based on Anthropometry	06-03-2020	Published	2020	Applica
36	202041026535	Single phase monoclinic Li <sub>2</sub> MnSiO <sub>4</sub> as an efficient battery-active positive Eelectrode material for rechargeable Lithium Batteries and method of preparing the same	23-06-2020	Published	2020	Applica
37	202041043279	Smart phone enabled Dermatoscope for Automated skin lesion Classification using Convolutional Neural Network	05-10-2020	Published	2020	Applica
38	202041043275	Unsupervised Multimodality Medical Image retrieval system	05-10-2020	Published	2020	Applica
39	202141033519	An automated tool for early detection of depression from social media text using deep learning approach	26-07-2021	Published	2021	Applica



### 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	Nan Lice
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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. V.E. Annamalai** (Head of Institute) and **Dr. R. Seyezhai** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

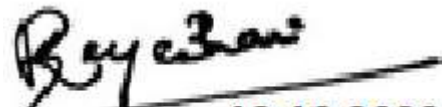
Thank you

The Head of Institute



**12.10.2022**

Nodal officer



**12.10.2022**

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Dr. V.E. Annamalai,  
Head of the Institution,  
Sri Sivasubramaniya Nadar College of  
Engineering,  
Chennai, Tamil Nadu

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Dr. R. Seyezhai,  
Nodal Officer,  
Sri Sivasubramaniya Nadar College of  
Engineering,  
Chennai, Tamil Nadu