



K.M.E.A ENGINEERING COLLEGE, KUZHIVELIPADY, EDATHALA, ALUVA, ERANAKULAM 683 561 [ARI-C-11571][C-11571]

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	Yes
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Dr. Sanju John Thomas
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1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3
IIC 2.0 (2019-20)	5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	3.5

Contact:

IIC President of the Institute:	Dr. Sanju John Thomas
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Designation:	Professor
Email ID:	iicpresident@kmeacollege.ac.in
Mobile No.	9172572600

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. BENNY JOSEPH THULLISSERIL	Advance	8
2	SANDEEP KUMAR M	Advance	0
3	BINISH M.C	Advance	1
4	Dr. Sangeetha C P	Advance	3
5	Mr MUHAMMED AJMAL	Advance	0
6	Prof.Ajmal E b	Advance	0
7	Mohammed Ismail H	Basic	0
8	Abeera V P	Advance	0
9	FAZNA NAZIM	Advance	3
10	Ms Shahina M S	Advance	0
11	Mr. VASUDEV S MALLAN	Basic	0
12	Dr Rekha Lakshmanan	Advance	0
13	Dr Faseela C K	Advance	3
14	LAKSHMI E G	Basic	0
15	Abini M A	Basic	0
16	Ajasudheen V A	Basic	1
17	Rajeesh R Pillai	Basic	0
18	Shyni Shajahan	Basic	0
19	Shaila C K	Basic	1

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
20	Jasna K Azeez	Basic	1
21	Dr Sajith T A	Basic	1
22	Neenu B	Basic	0
23	Dr Sanju John Thomas	Basic	1

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-11571	Yes
HEI Participated in the Smart India Hackathon (2022)	C-11571	Yes

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

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
1	Aerospace and navigation instrumentation	AE 463	2021-22	Elective Course	Bachelor	Electronics And Instrumentation	3	27-09-2021 00:00:00
2	Mainproject	AE451	2021-22	Core Course	Bachelor	Electronics And Instrumentation	2	27-09-2021 00:00:00
3	Petroleum Technology	AE 472	2020-21	Elective Course	Bachelor	Electronics And Instrumentation	3	22-03-2021 00:00:00
4	Disaster Management	CE488	2020-21	Elective Course	Bachelor	Electronics And Instrumentation	3	22-03-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
5	Project	AE 492	2020-21	Core Course	,Bachelor	Electronics And Instrumentation	4	22-03-2021 00:00:00
6	Management for Engineers	HUT 310	2021-22	Elective Course	,Bachelor	Electronics And Instrumentation	3	27-09-2021 00:00:00
7	POWER QUALITY	EE465	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	27-09-2021 00:00:00
8	Energy management and Auditing	EE474	2021-22	Elective Course	,Bachelor	Electrical and Electronics Engineering	3	27-09-2021 00:00:00
9	Project	EE492	2021-22	Core Course	,Bachelor	Electrical and Electronics Engineering	2	27-09-2021 00:00:00
10	Material Handling and Facilities Planning	ME476	2021-22	Elective Course	,Bachelor	Mechanical Engineering	3	27-09-2021 00:00:00
11	Propulsion Engineering	ME462	2020-21	Elective Course	,Bachelor	Mechanical Engineering	3	27-09-2021 00:00:00
12	Project	ME492	2021-22	Core Course	Bachelor	Mechanical Engineering	2	27-09-2021 00:00:00
13	Machine Learning	CS467	2020-21	Elective Course	Bachelor	COMPUTER SCIENCE AND ENGINEERING	3	27-09-2021 00:00:00
14	Web Technologies	CS368	2020-21	Elective Course	,Bachelor	COMPUTER SCIENCE AND ENGINEERING	3	22-03-2021 00:00:00
15	Cloud computing	CS468	2021-22	Elective Course		COMPUTER SCIENCE AND ENGINEERING	3	19-02-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
16	Disaster Management	CE488	2021-22	Elective Course	Bachelor	ELECTRONICS AND COMMUNICATION ENGINEERING	3	19-02-2022 00:00:00
17	Secure Communication	EC468	2021-22	Elective Course	Bachelor	Electronics and Communication	3	19-02-2022 00:00:00
18	Project	EC492	2021-22	Core Course	,Bachelor	Electronics and Communication	2	22-04-2022 00:00:00
19	Traffic Engineering and Management	CE376	2020-21	Elective Course	,Bachelor	Civil Engineering	3	22-03-2020 00:00:00
20	Air Quality Management	CE374	2020-21	Elective Course	,Bachelor	Civil Engineering	3	22-03-2020 00:00:00
21	Environmental Impact Assessment	CE469	2021-22	Elective Course	,Bachelor	Civil Engineering	3	21-09-2021 00:00:00
22	Highway Pavement Design	CE467	2021-22	Elective Course	Bachelor	Civil Engineering	3	21-09-2021 00:00:00
23	Traffic Engineering and Management	CET332	2021-22	Elective Course	Bachelor	Civil Engineering	3	11-04-2022 00:00:00
24	Advanced Concrete Technology	CET352	2021-22	Elective Course	Bachelor	Civil Engineering	3	11-04-2022 00:00:00
25	Municipal Solid Waste Management	CE474	2021-22	Elective Course	Bachelor	Civil Engineering	3	03-03-2022 00:00:00
26	Town and Country Planning	CE462	2021-22	Elective Course	Bachelor	Civil Engineering	3	03-03-2022 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
27	Project	CE492	2021-22	Core Course	Bachelor	Civil Engineering	4	03-03-2022 00:00:00
28	Mechatronics	ME407	2021-22	Core Course	Bachelor	Mechanical Engineering	3	27-09-2021 00:00:00
29	Automobile Engineering	ME463	2021-22	Core Course	Bachelor	Mechanical Engineering	3	19-02-2022 00:00:00
30	Data Structures	CST201	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	15-11-2021 00:00:00
31	Logic System Design	CST203	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
32	Object Oriented Programing Using Java	CST205	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
33	Computer Organization and Architecture	CST202	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
34	Database Management System	CST204	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
35	Operating System	CST206	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
36	Formal Languages and Automata Theory	CST301	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	15-11-2021 00:00:00
37	Computer Networks	CST303	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	15-11-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
38	System Software	CST305	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	15-11-2021 00:00:00
39	Microprocessors and Microcontrollers	CST307	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	15-11-2021 00:00:00
40	Compiler Design	CST302	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
41	Computer Graphics and Image Processing	CST304	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
42	Algorithm Analysis and Design	CST306	2021-22	Core Course	Bachelor	Computer Science and Engineering	4	29-04-2022 00:00:00
43	Compressible Fluid Flow	ME409	2021-22	Core Course	Bachelor	Mechanical Engineering	3	27-09-2021 00:00:00
44	Advanced Manufacturing Technology	ME306	2021-22	Core Course	Bachelor	Mechanical Engineering	3	22-03-2021 00:00:00
45	Design Project	ME341	2020-21	Core Course	Bachelor	Mechanical Engineering	1	22-03-2020 00:00:00
46	Control Systems	AET 301	2020-21	Core Course	Bachelor	Electronics And Instrumentation	4	15-02-2021 00:00:00
47	Industrial Instrumentation	AET 303	2020-21	Core Course	Bachelor	Electronics And Instrumentation	4	08-02-2021 00:00:00
48	Analog Integrated Circuits	AET307	2020-21	Core Course	Bachelor	Electronics And Instrumentation	4	08-02-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
49	Environmental Engineering II	CE402	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
50	Civil Engineering Project Management	CE404	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00
51	Design Steel Structures	CE401	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
52	Structural Analysis III	CE403	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00
53	Environmental Engineering I	CE405	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00
54	Transportation Engineering I	CE407	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00
55	Quantity Surveying and Valuation	CE409	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00
56	Design of Hydraulic Structures	CE302	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
57	Design of Concrete Structures	CE304	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
58	Transportation Engineering I	CE308	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
59	Mechanics of Solids	CET201	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
60	Fluid Mechanics and Hydraulics	CET203	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
61	Surveying and Geomatics	CET205	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
62	Engineering Geology	CET202	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
63	Geotechnical Engineering I	CET204	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
64	Transportation Engineering	CET206	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
65	Basics of Civil and Mechanical Engineering	EST120	2020-21	Core Course	Bachelor	Civil Engineering	4	22-03-2021 00:00:00
66	Engineering Mechanics	EST100	2020-21	Core Course	Bachelor	Civil Engineering	3	22-03-2021 00:00:00

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

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name
1	Design of Experiments and Optimisation Techniques	2021-22	Faculty Development Program (FDP)	State Govt. Agency	Jyothi Engineering College Thrissur

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
2	Innovation Ambassador training (Foundation Level)	2021-22	Short-term Certificate Program	Central Govt. Agency	MoEs Innovation Centre AND AICTE
3	RESEARCH TRAINING	2021-22	Short-term Certificate Program	Central Govt. Agency	MSME TECHNOLOGY DEVELOPMENT CENTRE
4	DESIGN OF EXPERIMENTS AND OPTIMISATION TECHNIQUES	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	Jyothi Engineering College Thrissur
5	MATHEMATICS FOR MACHINE LEARNING	2021-22	Faculty Development Program (FDP)	State Govt. Agency	COLLEGE OF ENGINEERING TRIVANDRUM
6	ARTIFICIAL INTELLIGENCE	2021-22	Faculty Development Program (FDP)	State Govt. Agency	ASAP
7	RECENT TRENDS AND APPLICATIONS OF NLP	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY
8	WEB DESIGN AND DEVELOPMENT	2021-22	Short-term Certificate Program	Industry/Non-Govt.	LIZ INTELLIGENT SOLUTION PVT LTD
9	SPEECH PROCESSING IN DEEP LEARNING	2021-22	Faculty Development Program (FDP)	State Govt. Agency	COLLEGE OF ENGINEERING ARANMULA
10	INTRODUCTORY DATA SCIENCE AND DEEP LEARNING	2020-21	Short-term Certificate Program	Central Govt. Agency	AICTE TRAINING / LEARNING
11	MANAGEMENT OF SOFTWARE SYSTEMS	2021-22	Faculty Development Program (FDP)	State Govt. Agency	COLLEGE OF ENGINEERING TRIVANDRUM
12	MACHINE LEARNING AND DATA ANALYTICS	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	INTERNATIONAL CENTRE FOR FREE AND OPEN SOURCE SOFTWARE

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
13	ROBOTICS ARTIFICIAL INTELLIGENCE AND CONTROL	2020-21	Short-term Certificate Program	Central Govt. Agency	ToCH INSTITUTE OF SCIENCE AND TECHNOLOGY
14	ARTIFICIAL INTELLIGENCE	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY
15	MACHINE LEARNING AND DEEP LEARNING A HANDS ON APPROACH	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
16	DATA DRIVES	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	BISHOP COTTON ACADEMY OF PROFESSIONAL MANAGEMENT BANGALORE
17	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	2020-21	Short-term Certificate Program	Central Govt. Agency	KMEA ENGINEERING COLLEGE
18	PROFESSIONAL ETHICS	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	PROVIDENCE COLLEGE OF ENGINEERING
19	EMERGING TRENDS IN INFORMATION TECHNOLOGY	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	SREE BUDHA COLLEGE OF ENGINEERING ALAPUZHA
20	OUTCOME BASED EDUCATION FOR TECHNICAL INSTITUTIONS PHASE 1	2020-21	Short-term Certificate Program	Industry/Non-Govt.	RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY
21	CYBER SECURITY	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING AND LEARNING ACADEMY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
22	INDUCTION TRAINING PHASE 1	2020-21	Short-term Certificate Program	Central Govt. Agency	NATIONAL INSTITUTE OF TECHNICAL EDUCATION TRAINING AND RESEARCH
23	BLOCKCHAIN FUNDAMENTALS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	SAINTGITS COLLEGE OF ENGINEERING KOTTAYAM
24	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	2020-21	Faculty Development Program (FDP)	State Govt. Agency	RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY
25	BLOCK CHAIN	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	VISWAJYOTHI COLLEGE OF ENGINEERING TECHNOLOGY
26	EMERGING TRENDS IN CRYPTOGRAPHY AND ITS APPLICATION IN CYBER SECURITY	2020-21	Short-term Certificate Program	Central Govt. Agency	VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY
27	TRENDS IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	NORTH ORISSA UNIVERSITY
28	KNOW EVERYTHING RELATED TO RESEARCH	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	ILAHIA COLLEGE OF ENGINEERING AND TECHNOLOGY MUVATTUPUZHA
29	EMERGING AI TECHNIQUES IN DATA ANALYTICS	2020-21	Short-term Certificate Program	State Govt. Agency	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
30	THE JOY OF COMPUTING USING PYTHON	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	NPTEL AICTE
31	EMERGING TRENDS IN INFORMATION TECHNOLOGY	2020-21	Faculty Development Program (FDP)	State Govt. Agency	KARPAGAM COLLEGE OF ENGINEERING COIMBATORE

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
32	TRANSMISSION SCADA	2020-21	Short-term Certificate Program	State Govt. Agency	FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY
33	ELECTRIC VEHICLES EXPLORING INSIDE THE BOX	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	MEA ENGINEERING COLLEGE PERINTHALMANN
34	COMPUTER AIDED DESIGN OF ELECTRIC SYSTEMS AFTER THE METER	2020-21	Short-term Certificate Program	Industry/Non-Govt.	MARIAN ENGINEERING COLLEGE THIRUVANANTHAPURAM
35	CREATIVITY INNOVATION AND NEW PRODUCT DEVELOPMENT	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
36	GREEN ENERGY TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	SCMS COLLEGE OF ENGINEERING ERNAKULAM
37	POWER ELECTRONIC CONTROL IN RENEWABLE ENERGY APPLICATIONS	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	VIMAL JYOTHI ENGINEERING COLLEGE
38	APPLICATION OF ARTIFICIAL INTELLIGENCE IN INDUSTRY	2021-22	Faculty Development Program (FDP)	State Govt. Agency	MES COLLEGE OF ENGINEERING KUTTIPURAM
39	ENTREPRENEURSHIP AND ESSENTIAL SKILLS FOR INNOVATIONS	2021-22	Faculty Development Program (FDP)	State Govt. Agency	MES COLLEGE KUTTIPURAM
40	ADVANCEMENTS IN SYSTEMS FOR ELECTRIC AND HYBRID VEHICLES	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	VISWAJYOTHI COLLEGE OF ENGINEERING

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
41	INDUSTRIAL ELECTRIC SAFETY ISSUES AND INNOVATION	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	MUSALIAR COLLEGE OF ENGINEERING PATHANAMTHITTA
42	RESEARCH OPPORTUNITIES IN ELECTRICAL AND ELECTRONICS ENGINEERING	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	MVJ COLLEGE OF ENGINEERING
43	HIGH PERFORMANCE COMPUTING TOOLS AND TECHNOLOGIES FOR ENGINEERING APPLICATIONS	2020-21	Faculty Development Program (FDP)	State Govt. Agency	MOUNTZION COLLEGE OF ENGINEERING PATHANAMTHITTA
44	ROBOTICS AND CONTROL	2020-21	Faculty Development Program (FDP)	State Govt. Agency	ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
45	MODERN TRENDS IN POWER ELECTRONICS	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	COLLEGE OF ENGINEERING PERUMALUR
46	RESEARCH OPPORTUNITIES IN SMART GRID TECHNOLOGIES	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	COLLEGE OF ENGINEERING PERUMALUR
47	OPPORTUNITIES AND CHALLENGES OF INTEGRATING RENEWABLE ENERGY IN SMART GRID	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	VIMAL JYOTHI ENGINEERING COLLEGE KANNUR
48	ROBOTICS MODELLING PLANNING AND CONTROL	2020-21	Faculty Development Program (FDP)	State Govt. Agency	GOVERNMENT ENGINEERING COLLEGE PALAKKAD

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
49	BIO MEDICAL INSTRUMENTATION RESEARCH CHALLENGES	2020-21	Faculty Development Program (FDP)	State Govt. Agency	AMAL JYOTHI COLLEGE OF ENGINEERING KANJIRAPPALLY
50	ROBOTICS	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
51	ROBOTICS PROCESS AUTOMATION	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
52	SENSORS TECHNOLOGY	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
53	PYTHON FOR ENGINEERS	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	VIMAL JYOTHI ENGINEERING COLLEGE KANNUR
54	SYSTEM ENGINEERING	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
55	SPEECH AUDIO AND IMAGE PROCESSING USING DEEP LEARNING TECHNIQUES	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
56	MATHEMATICS FOR MACHINE LEARNING	2021-22	Faculty Development Program (FDP)	State Govt. Agency	COLLEGE OF ENGINEERING TRIVANDRUM
57	FPGA BASED DEEP LEARNING APPLICATIONS IN SIGNAL PROCESSING	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
58	EMERGING APPLICATIONS OF ENGINEERING ELECTROMAGNETICS	2021-22	Short-term Certificate Program	Central Govt. Agency	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KANCHEEPURAM

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
59	HELLO EMI AND EMC LEARN TO DETECT AND DECODE	2021-22	Short-term Certificate Program	State Govt. Agency	COCHIN UNIVERSITY SCIENCE AND TECHNOLOGY
60	COGNITIVE RADIO ANTENNAS AND MILLIMETRE WAVE COMMUNICATION	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
61	ROBOTICS	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
62	ENGINEERING CAPSTONE PROJECT	2020-21	Short-term Certificate Program	Central Govt. Agency	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH KOLKATA
63	RESEARCH TRENDS IN OPTICS PHOTONICS AND NANO TECHNOLOGY	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	LBS INSTITUTE OF TECHNOLOGY FOR WOMEN
64	ANTENNA DESIGN AND ANALYSIS USING MATHEMATICAL SOLVERS	2020-21	Short-term Certificate Program	Central Govt. Agency	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
65	META MATERIAL AND ITS APPLICATIONS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAI AND GOVERNMENT WOMEN ENGINEER COLLEGE AJMER
66	RF AND MILLIMETER WAVE TECHNOLOGIES	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	NATIONAL INSTITUTE OF TECHNOLOGY SILIGUR
67	3 D PRINTING AND DESIGN	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Progr Offering Departn Centre/ Unit Name
68	ROBOTICS ARTIFICIAL INTELLIGENCE AND CONTROL	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	ToCH INSTITUTE C SCIENCE AND TECHNOLOGY
69	INSTRUCTIONAL DESIGN USING AGILE ADDIE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	ICT ACADEMY OF KERALA
70	TRENDS AND TECHNOLOGIES IN ANTENNA DESIGN AND ITS RESEARCH SCOPES	2020-21	Short-term Certificate Program	Central Govt. Agency	ToCH INSTITUTE C SCIENCE AND TECHNOLOGY
71	INTERNET OF THINGS	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	NATIONAL INSTITUT TECHNICAL TEACI TRAINING AND RESRARCH KOLKA
72	TEACHING AND LEARNING FOR ACCEREDIATION IN TECHNICAL EDUCATION	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	NATIONAL INSTITUT TECHNICAL TEACI TRAINING AND RESRARCH KOLKA
73	RESEARCH AVENUES IN TRANSPORTATION ENGINEERING	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	ALBERTIAN INSTITI OF SCIENCE AND TECHNOLOGY
74	RECENT RESEARCH ADVANCES IN GEOTECHNICAL AND GEOLOGICAL ENGINEERING	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	RAJAGIRI SCHOOL ENGINEERING AN TECHNOLOGY
75	GREEN TECHNOLOGY AND SUSTAINABILITY ENGINEERING	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADE
76	STRATEGIC CIVIL INFRASTRUCTURE	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADE

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
77	MODELLING ANALYSIS AND DESIGN OF STRUCTURES USING LATEST VERSION OF STAAD	2020-21	Short-term Certificate Program	Central Govt. Agency	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH KOLKATA
78	ADVANCES IN WASTE MANAGEMENT SYSTEM	2020-21	Short-term Certificate Program	Industry/Non-Govt.	A D PATEL INSTITUTE OF TECHNOLOGY GUJARAT
79	OUTCOME BASED EDUCATION FOR TECHNICAL INSTITUTIONS PHASE II	2020-21	Short-term Certificate Program	Industry/Non-Govt.	RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY
80	OUTCOME BASED EDUCATION FOR TECHNICAL INSTITUTIONS PHASE III	2020-21	Short-term Certificate Program	Industry/Non-Govt.	RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY
81	INDO CANADIAN WORKSHOP ON INTERACTIVE DESIGN IN	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF OTTAWA CANADA
82	SUSTAINABLE TRANSPORT FOR SMART CITIES	2020-21	Short-term Certificate Program	Central Govt. Agency	ST PETERS COLLEGE OF ENGINEERING AND TECHNOLOGY CHENNAI
83	EARTH QUAKE ENGINEERING	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING AND LEARNING ACADEMY
84	DESIGNING TEACHING UNDER OUTCOME BASED EDUCATION	2020-21	Short-term Certificate Program	Central Govt. Agency	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH
85	GIS AND REMOTE SENSING	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING AND LEARNING ACADEMY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
86	RESEARCH OPPORTUNITIES IN ENVIRONMENTAL ENGINEERING	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	BHARATI VIDYAPE COLLEGE OF ENGINEERING PUNE
87	ESSENTIALS OF STRATEGIC MANAGEMENT	2020-21	Short-term Certificate Program	Central Govt. Agency	NATIONAL INSTITUTE OF TECHNICAL EDUCATION TRAINING AND RESEARCH
88	CONSTRUCTION TECHNOLOGY	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	AICTE TRAINING / LEARNING ACADEMY
89	PROFESSIONAL ETHICS IN CURRENT PANDEMIC SCENARIO	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	COLLEGE OF ENGINEERING PUNE
90	EMPOWER CREATIVE AND INNOVATIVE THINKING IN ENGINEERS	2020-21	Faculty Development Program (FDP)	State Govt. Agency	NSS COLLEGE OF ENGINEERING PALAKKAD
91	DEEP LEARNING	2021-22	Short-term Certificate Program	Central Govt. Agency	NPTEL
92	THE JOY OF COMPUTING USING PYTHON	2020-21	Short-term Certificate Program	Central Govt. Agency	NPTEL
93	ENERGY THE ENTERPRISE	2020-21	Entrepreneurship Development Program (EDP)	Industry/Non-Govt.	THE STATE UNIVERSITY OF NEW YORK
94	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	IBM
95	SAFETY IN THE UTILITY INDUSTRY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	STATE UNIVERSITY NEW YORK

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
96	ENERGY PRODUCTION DISTRIBUTION AND SAFETY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY AT BURLINGTON
97	VECTOR CALCULUS FOR ENGINEERS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	HONG-KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
98	MECHANICS OF MATERIALS IV DIFFLECTIONS BUCKLING COMBINED LOADING AND FAILURE THEORIES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GEORGIA INSTITUTE OF TECHNOLOGY
99	AIR POLLUTION A GLOBAL THREAT TO OUR HEALTH	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COPENHAGEN
100	SIX SIGMA PRINCIPLES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	KENNESAW STATE UNIVERSITY
101	SIX SIGMA TOOLS FOR ANALYSE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	KENNESAW STATE UNIVERSITY
102	COLLABORATIVE ROBOT SAFETY DESIGN AND DEVELOPMENT	2020-21	Short-term Certificate Program	Industry/Non-Govt.	STATE UNIVERSITY OF NEW YORK
103	DIGITAL PRODUCT MANAGEMENT MODERN FUNDAMENTALS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF VIRGINIA
104	NATURAL GAS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	STATE UNIVERSITY OF NEW YORK

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
105	PROVIDING SOCIAL EMOTIONAL BEHAVIORAL AND SPECIAL EDUCATION SERVICES IN SCHOOL	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	UNIVERSITY OF COLORADO
106	HEALTHY PRACTISES NUTRITION PHYSICAL ACTIVITY AND COMMUNITY AND FAMILY PARTICIPATION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO
107	PSYCHOLOGICAL FIRST AID	2020-21	Short-term Certificate Program	Industry/Non-Govt.	JOHNS HOPKINS UNIVERSITY
108	INTRODUCTION TO PSYCHOLOGY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	YALE UNIVERSITY
109	MECHANICS OF MATERIALS II THIN WALLED PRESSURE VESSELS AND TORSION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GEORGIA INSTITUTE OF TECHNOLOGY
110	ELECTRIC POWER SYSTEMS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	STATE UNIVERSITY OF NEW YORK
111	INTRODUCTION TO FINANCIAL MARKETS	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	INDIAN SCHOOL OF BUSINESS
112	WIND ENERGY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	TECHNICAL UNIVERSITY OF DENMARK
113	GETTING STARTED WITH AWS MACHINE LEARNING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AMAZON WEB SERVICES

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
114	ELECTRIC UTILITIES FUNDAMENTALS AND FUTURE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO
115	MECHANICS OF MATERIALS III BEAM BENDING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GEORGIA INSTITUTE TECHNOLOGY
116	AI FOR EVERYONE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	DEEP LEARNING /
117	MORAL FOUNDATIONS OF POLITICS	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	YALE UNIVERSITY
118	MECHANICS OF MATERIALS I FUNDAMENTALS OF STRESS AND STRAIN AND AXIAL LOADING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GEORGIA INSTITUTE TECHNOLOGY
119	INTRODUCTION TO THE BIOLOGY OF CANCER	2020-21	Short-term Certificate Program	Industry/Non-Govt.	JOHNS HOPKINS UNIVERSITY
120	CYBER SECURITY COMPLIANCE FRAMEWORK AND SYSTEM ADMINISTRATION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	IBM
121	EFFECTIVE PROBLEM SOLVING AND DECISION MAKING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
122	DIGITAL PRODUCT MANAGEMENT MODERN FUNDAMENTALS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF VIRGINIA
123	BUSINESS ANALYTICS FOR DECISION MAKING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
124	ESSENTIAL GOOGLE CLOUD INFRASTRUCTURE CORE SERVICES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
125	ELASTIC GOOGLE CLOUD INFRASTRUCTURE SCALING AND AUTOMATION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
126	GOOGLE CLOUD PLATFORM FUNDAMENTALS CORE INFRASTRUCTURE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
127	ESSENTIAL GOOGLE CLOUD INFRASTRUCTURE FOUNDATION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
128	RELIABLE GOOGLE CLOUD INFRASTRUCTURE DESIGN AND PROCESS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
129	CYBER SECURITY AND INTERNET OF THINGS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	KENNESAW STATE UNIVERSITY
130	APPLICATIONS IN ENGINEERING MECHANICS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GEORGIA INSTITUTE OF TECHNOLOGY
131	DATA SCIENCE MATH SKILLS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	DUKE UNIVERSITY
132	PROJECT MANAGEMENT THE BASICS FOR SUCCESS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
133	QUANTUM MECHANICS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO
134	MASTERING BITUMEN FOR BETTER ROADS AND INNOVATIVE APPLICATIONS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	PARISTECH
135	SCIENCE OF EXERCISE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO
136	POSITIVE PSYCHOLOGY	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	UNIVERSITY OF N CALORINA
137	RENEWABLE ENERGY AND GREEN BUILDING ENTREPRENEURSHIP	2020-21	Short-term Certificate Program	Industry/Non-Govt.	DUKE UNIVERSITY
138	MANAGING PROJECT RISKS AND CHANGES	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
139	INTRODUCTION TO SELF DRIVING CARS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF TORONTO
140	COMPUTER VISION OBJECT TRACKING WITH OPEN CV AND PYTHON	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA PROJECT NETWORK
141	INTRODUCTION TO SOLAR CELLS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	TECHNICAL UNIVERSITY OF DENMARK
142	GRAPHIC DESIGN	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
143	THE BLOCK CHAIN	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
144	INTRODUCTION TO PROJECT MANAGEMENT	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	COURSERA PROJECT NETWORK
145	INTRODUCTION TO VIRTUAL REALITY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
146	SOLAR ENERGY BASICS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	STATE UNIVERSITY OF NEW YORK
147	RESEARCH INITIATIVES IN ADVANCED CONTROL SYSTEMS	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	MUTHOOT INSTITUTE OF TECHNOLOGY AND SCIENCE DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
148	ROLE OF ENERGY STORAGE SYSTEMS IN MICROGRID AND ELECTRIC VEHICLES	2020-21	Faculty Development Program (FDP)	Industry/Non-Govt.	TKM COLLEGE OF ENGINEERING CO
149	INSPIRING AND MOTIVATING INDIVIDUALS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF MICHIGAN
150	THE SCIENCE OF SUCCESS WHAT RESEARCHERS KNOW THAT YOU SHOULD KNOW	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF MICHIGAN
151	GREENING THE ECONOMY SUSTAINABLE CITIES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	LUND UNIVERSITY
152	THE SCIENCE OF WELL BEING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	YALE UNIVERSITY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
153	PROJECT MANAGEMENT PRINCIPLES AND PRACTICES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
154	PROJECT MANAGEMENT THE BASICS FOR SUCCESS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
155	INTRODUCTION TO ENVIRONMENTAL LAW AND POLICY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	THE UNIVERSITY OF NORTH CAROLINA
156	WORK SMARTER NOT HARDER TIME MANAGEMENT FOR PERSONAL AND PROFESSIONAL PRODUCTIVITY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
157	INTRODUCTION TO PROJECT MANAGEMENT WITH CLICK UP	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA PROJECT NETWORK
158	LEARNING HOW TO LEARN POWERFUL MENTAL TOOLS TO HELP YOU MASTER TOUGH SUBJECTS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	McMASTER UNIVERSITY
159	DESIGN THINKING FOR INNOVATION	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF VIRGINIA
160	INTERNATIONAL WATER LAW	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITE DE GUYANE
161	INTRODUCTION TO INDOOR AIR QUALITY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
162	JOY OF PROGRAMING	2021-22	Short-term Certificate Program	Industry/Non-Govt.	KMEA ENGINEERING COLLEGE
163	UNDERTAKING RESEARCH METHODS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF LONDON
164	JOURNEY OF THE UNIVERSE THE UNFOLDING OF LIFE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	YALE UNIVERSITY
165	WATER RESOURCES MANAGEMENT AND POLICY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITE DE GUYANE
166	AUTOCAD FOR DESIGN AND DRAFTING EXAM PREP	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTODESK
167	AUTODESK FUSION 360 INTEGRATED CAD CAM CAE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTODESK
168	MACHINE LEARNING A CASE STUDY APPROACH	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF WASHINGTON
169	INTRO TO DIGITAL MANUFACTURING WITH AUTODESK FUSION 360	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTODESK
170	GLOBAL ENVIRONMENTAL MANAGEMENT	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	TECHNICAL UNIVERSITY OF DENMARK
171	BUDGETING AND SCHEDULING PROJECTS	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	DIVISION OF CONTINUING EDUCATION
172	WOOD SCIENCE BEYOND BUILDING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	WEST VIRGINIA UNIVERSITY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
173	MUNICIPAL SOLID WASTE MANAGEMENT IN DEVELOPING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	EPFL
174	AUTODESK CERTIFIES PROFESSIONAL REVIT FOR ARCHITECTURAL DESIGN EXAM PREP	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTODESK
175	NATURAL ATTENUATION OF GROUNDWATER CONTAMINANTS NEW PARADIGMS TECHNOLOGIES AND APPLICATIONS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	RICE UNIVERSITY
176	CRACKING THE CREATIVITY CODE DISCOVERING IDEAS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	TECHNION ISRAELI INSTITUTE OF TECHNOLOGY
177	3D MODELS FOR VIRTUAL REALITY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF LOUISIANA
178	BUSINESS ANALYTICS FOR DECISION MAKING	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	UNIVERSITY OF COLORADO
179	INITIATING AND PLANNING PROJECTS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
180	EFFECTIVE PROBLEM SOLVING AND DECISION MAKING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
181	DESIGN THINKING AND GLOBAL STARTUP	2020-21	Short-term Certificate Program	Industry/Non-Govt.	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
182	MACHINE LEARNING FOR ALL	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF L
183	ENGINEERING DESIGN PROCESS WITH AUTODESK FUSION 360	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTODESK
184	SUSTAINABLE TOURISM PROMOTING ENVIRONMENTAL PUBLIC HEALTH	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COPENHAGEN
185	GETTING STARTED WITH AWS MACHINE LEARNING	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AMAZON WEB SE
186	MATERIAL SCIENCE 10 THINGS EVERY ENGINEER SHOULD KNOW	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
187	OBJECT ORIENTED PROGRAMING WITH JAVA	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA
188	ANALYZE BOX OFFICE DATA WITH PLOTLY AND PYTHON	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA
189	INTRODUCTION TO CYBERSECURITY TOOLS AND CYBER ATTACKS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	IBM
190	INTRODUCTION TO RELATIONAL DATABASE AND SQL	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA
191	INTEGRATED WASTE MANAGEMENT FOR SMART CITY	2020-21	Short-term Certificate Program	Central Govt. Agency	INDIAN INSTITUTE TECHNOLOGY KHARAGPUR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
192	PROJECT PLANNING AND CONTROL	2020-21	Short-term Certificate Program	Central Govt. Agency	INDIAN INSTITUTE OF TECHNOLOGY
193	LEADERSHIP AND EMOTIONAL INTELLIGENCE	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	INDIAN SCHOOL OF BUSINESS
194	SAFETY IN THE UTILITY INDUSTRY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	THE STATE UNIVERSITY OF NEW YORK
195	ELECTRIC UTILITIES FUNDAMENTALS AND FUTURE	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF COLORADO
196	FUNDAMENTALS OF GRAPHIC DESIGN	2020-21	Short-term Certificate Program	Industry/Non-Govt.	CALIFORNIA INSTITUTE OF ARTS
197	GETTING STARTED WITH GOOGLE SHEETS	2020-21	Short-term Certificate Program	Industry/Non-Govt.	GOOGLE CLOUD
198	CREATE INFORMATIVE PRESENTATIONS WITH GOOGLE SLIDES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	COURSERA PROJECT NETWORK
199	PREPARING TO MANAGE HUMAN RESOURCES	2020-21	Management Development Program (MDP)	Industry/Non-Govt.	UNIVERSITY OF MINNESOTA
200	RECRUITING HIRING AND ONBOARDING EMPLOYEES	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF MINNESOTA
201	HEART RATE VARIABILITY-MONITORING ANALYSIS AND DIAGNOSIS	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	Biomedical

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department Centre/ Unit Name
202	WEARABLE DEVICES	2021-22	Faculty Development Program (FDP)	Industry/Non-Govt.	Saint gits College Engineering
203	TIME MANAGEMENT FOR PERSONAL AND PROFESSIONAL PRODUCTIVITY	2020-21	Short-term Certificate Program	Industry/Non-Govt.	UNIVERSITY OF CALIFORNIA
204	RPA LIFECYCLE INTRODUCTION DISCOVERY AND DESIGN	2020-21	Short-term Certificate Program	Industry/Non-Govt.	AUTOMATION ANYWHERE
205	TO PROMOTE INNOVATION IPR ENTREPRENEURSHIP AND START UP	2020-21	Short-term Certificate Program	Central Govt. Agency	MHRD
206	SENSORS TECHNOLOGY	2020-21	Short-term Certificate Program	Central Govt. Agency	AICTE TEACHING & LEARNING ACADEMY
207	TRENDS AND TECHNOLOGIES IN ANTENNA DESIGN AND ITS RESEARCH SCOPES	2020-21	Short-term Certificate Program	State Govt. Agency	ToCh INSTITUTE OF SCIENCE AND TECHNOLOGY
208	RESEARCH TRAINING	2021-22	Short-term Certificate Program	Central Govt. Agency	MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES
209	LoRAWAN HANDS-ON WORKSHOP	2020-21	Faculty Development Program (FDP)	State Govt. Agency	ADI SHANKARA ENGINEERING AND TECHNOLOGY
210	IIC ONLINE SESSION	2020-21	Entrepreneurship Development Program (EDP)	State Govt. Agency	INSTITUTIONS INNOVATION COLLEGE MHRD
211	EMBEDDED SYSTEM AND ROBOTICS	2020-21	Short-term Certificate Program	Central Govt. Agency	COMPUTER SCIENCE AND ENGINEERING

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

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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	IEDC	IEDC	Dr Faseela C K	9747270203	fsl.ee@kmeacollege.ac.in	Mentoring Support, Seed Grant Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	EDC	EDC KMEA	Abeera V P	9656587703	avp.cs@kmeacollege.ac.in	Mentoring Support
3	Tinkering Lab	Tinker Hub KMEA	Shahina M S	9847493344	sms.sh@kmeacollege.ac.in	Mentoring Support
4	Innovation Cell	E-Yantra Robotics Lab by IIT Bombay	Ms. Shaila C K	9495840616	sck.ei@kmeacollege.ac.in	Mentoring Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	KMEA Incubation Centre	Dr Amar Nishad T M, Dr Rekha Lakshmanan	9447332529, 9249482002	principal@kmeacollege.ac.in	Other Central/State Government

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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	IPR Cell	KMEA IPR Centre	Mr. Binish M C	9747814484	bmc.ec@kmeacollege.ac.in	Mentoring Support

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)**4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)**

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21, 2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagemen of Team Lead in Institute
1	Autopill	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Abdul hafis	Alumni

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engageme of Team Lead in Institute
2	Automatic IoT bell System	Academic Requirement/Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	MOHAMMED FAZEEM HAREES	Student
3	TRAFFIC CONTROL SYSTEM USING SENSOR	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	NIBA MARIYAM TP	Alumni
4	TRAFFIC CONTROL SYSTEM USING SENSOR	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	NIBA MARIYAM TP	Alumni
5	Automated lighting system using iit	Academic Research Assignment/Industry Sponsored Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Muhammad Arshaq	Student
6	Development of a containerized water treatment plant	Independent Assignment/Non-academic Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	Dr. Sanju Thomas	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engageme of Team Lead in Institute
7	DC based renewable energy powered portable refrigeration unit	Independent Assignment/Non-academic Study Project	2021-22	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale	Dr. Sanju Thomas	Faculty

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

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

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India
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No Data Found

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

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

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
1	ABAD BUILDERS	Corporate/Industry Association	25YR	Active	17-02-2020	View
2	Omega Services& Consultants Pvt Ltd	Corporate/Industry Association	20YR	Active	10-01-2020	View
3	FEDERAL ACADEMY FOR CYBER EDUCATION	Corporate/Industry Association	25YR	Active	06-07-2021	View
4	SRISHTI ROBOTICS TECHNOLOGIES PVT LTD	Non Govt. Agency	2YRS	Active	15-09-2021	View
5	Linsys Innovations Pvt Ltd	Corporate/Industry Association	21YR	Active	21-10-2020	View
6	AMY JEWELLERY DESIGN	Corporate/Industry Association	25YR	Active	30-01-2020	View
7	Real Power Engineers and Consultants	Corporate/Industry Association	25YR	Active	25-11-2020	View
8	Kerala State IT mission	Govt. Agency (State)	01yr	Inactive	27-10-2020	View
9	Cosmiq Invotech Pvt Limited	Non Govt. Agency	2 YR	Active	09-03-2021	View
10	POPULAR GROUP,COCHIN	Corporate/Industry Association	25YR	Active	22-05-2020	View
11	Poomkudy Motors Pvt Ltd	Corporate/Industry Association	25YR	Active	05-10-2020	View
12	TRITECH DESIGN ACADEMY	Corporate/Industry Association	25YR	Active	20-07-2020	View
13	DAIKIN REDD	Corporate/Industry Association	25YR	Active	23-09-2020	View
14	US Safety Academy	Corporate/Industry Association	25YR	Active	02-12-2020	View
15	Envigo Technologies Pvt Ltd	Corporate/Industry Association	20YR	Active	15-10-2020	View

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
16	KERALA DEVELOPMENT AND INNOVATION STRATEGIC COUNCIL	Govt. Agency (State)	03YR	Active	02-12-2021	View
17	Universiti Teknologi MARA	Educational Institute	3YR	Active	08-01-2021	View
18	Systalent	Corporate/Industry Association	20YR	Active	09-08-2021	View
19	ZERA INFOTECH, EDATHALA P O, ERNAKULAM	Corporate/Industry Association	25YR	Active	16-03-2020	View
20	Green Sustain Waste Management Company	Non Govt. Agency	05yr	Active	02-09-2021	View
21	National Institute of Speech and Hearing	Govt. Agency (State)	3 Yr	Active	25-07-2022	View
22	CYPE CAMPUS	International Agency	01YR	Active	12-08-2021	View
23	J & G TOOLINGS	Corporate/Industry Association	25YR	Active	10-01-2020	View
24	Aester India Pvt Ltd	Corporate/Industry Association	24YR	Active	07-08-2020	View
25	Little Newton Innovations	Corporate/Industry Association	24YR	Active	22-10-2020	View
26	SUNSENZ SOLAR(MOOPEN'S SOLAR SOLUTIONS	Corporate/Industry Association	25YR	Active	14-10-2020	View
27	Indian Institute of Infrastructure & Construction	Govt. Agency (State)	3 YR	Active	06-05-2022	View
28	CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, VELLAYAMBALAM, THIRUVANANTHAPURAM	Govt. Agency (State)	1 YR	Inactive	09-03-2021	View

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
29	STATE RESOURCE CENTER, KERALA/IIB EDUCATION,THRISSUR	Corporate/Industry Association	25YR	Active	01-01-2020	View
30	Unipower transformers PVT LTD	Corporate/Industry Association	25YR	Active	21-11-2020	View
31	ALG INTERNATIONAL INSTITUTE OF TECHNOLOGY	Corporate/Industry Association	20yr	Active	08-03-2021	View
32	Tuner Factory & Engineering	Corporate/Industry Association	25YR	Active	09-02-2020	View
33	Tree institute of construction management and technology	Corporate/Industry Association	10yr	Active	08-07-2020	View
34	INTERCAD SYSTEMS Pvt Ltd	Non Govt. Agency	20yr	Active	08-07-2020	View
35	FAYZAK TECHNOLOGIES PVT. LTD.	Corporate/Industry Association	25YR	Active	05-02-2020	View

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
No Data Found			

7.3) Patent Published / Granted Data

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

7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Details
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. Amar Nishad T .M** (Head of Institute) and **Dr. Sangeetha C P** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

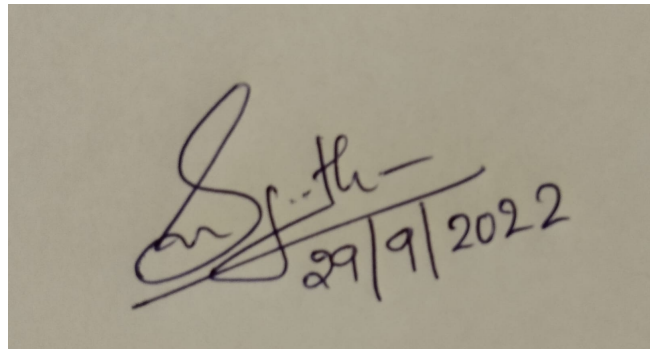
Thank you

The Head of Institute



Dr. Amar Nishad T .M,
Head of the Institution,
K.M.E.A ENGINEERING COLLEGE, KUZHIVELIPADY,
EDATHALA, ALUVA, ERANAKULAM 683 561,
ERANAKULAM, Kerala

Nodal officer



Dr. Sangeetha C P,
Nodal Officer,
K.M.E.A ENGINEERING COLLEGE, KUZHIVELIPADY,
EDATHALA, ALUVA, ERANAKULAM 683 561,
ERANAKULAM, Kerala