

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	Yes

Contact:

Faculty Name:	Dr.P.Lilly Florence
Designation:	Professor
Email ID:	mamseonlineclasses@gmail.com
Mobile No.	9345690431

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

Contact:

IIC President of the Institute:	Dr.P.Ranjithkumar
Designation:	Professor
Email ID:	ranjjith@gmail.com
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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.P.Lilly Florence	Advance	3
2	S Saravanan	Advance	1
3	Ramanathan	Advance	2
4	Dr.K.Chandrasekaran	Advance	5
5	G PURUSHOTHAMAN	Advance	2
6	Dr.A.PUNITHA	Advance	4
7	BERBETH MARY S	Advance	2
8	Sathish kumar.K	Advance	2
9	Dr.M.Sangeetha	Advance	6
10	Kavitha.P	Advance	4
11	SUDHA P	Basic	0
12	NAGESWARI ROSY K	Basic	0
13	KARTHIKEYAN K	Advance	0
14	Chandrasekar M	Advance	0
15	Sumathi.D	Advance	0
16	Senthamarai Kannan.A	Advance	0
17	S.Ravichandran	Advance	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
18	K.Madhan Muthu Ganesh	Advance	0
19	Ramuvel	Basic	0
20	Dr.P.Ranjithkumar	Basic	0
21	Dr.P.Ranjithkumar	Basic	0
22	Beulah Elizabeth	Basic	0
23	G.Varathan	Advance	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	c-25007	Yes
HEI Participated in the Smart India Hackathon (2022)	c-25007	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	C E C
1	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	18-02-2021 00:00:00	2 2 0
2	Entrepreneurship Development	MG8091	2020-21	Elective Course	Bachelor	Mechatronics Engineering	3	14-12-2020 00:00:00	1 2 0

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	C E C
3	Project Work	MT8811	2020-21	Core Course	Bachelor	Mechatronics Engineering	6	14-12-2020 00:00:00	1 2 0
4	Design and Fabrication Project	ME8682	2020-21	Core Course	Bachelor	Mechatronics Engineering	2	18-02-2021 00:00:00	2 2 0
5	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Mechatronics Engineering	3	16-03-2022 00:00:00	0 2 0
6	Entrepreneurship Development	MG8091	2021-22	Elective Course	Bachelor	Mechatronics Engineering	3	16-03-2022 00:00:00	0 2 0
7	Project Work	MT8811	2021-22	Core Course	Bachelor	Mechatronics Engineering	6	16-03-2022 00:00:00	0 2 0
8	Design and Fabrication Project	ME8682	2021-22	Core Course	Bachelor	Mechatronics Engineering	2	16-03-2022 00:00:00	0 2 0
9	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	3	14-12-2020 00:00:00	2 2 0
10	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Electronics and Communication Engineering	3	16-03-2022 00:00:00	0 2 0
11	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Aeronautical Engineering	3	14-12-2020 00:00:00	2 2 0
12	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Aeronautical Engineering	3	16-03-2022 00:00:00	0 2 0

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	C E C
13	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	16-03-2022 00:00:00	1 2 0
14	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	18-02-2021 00:00:00	2 2 0
15	Entrepreneurship Development	MG8091	2021-22	Elective Course	Bachelor	Mechanical Engineering	3	16-03-2022 00:00:00	0 2 0
16	Entrepreneurship Development	MG8091	2020-21	Elective Course	Bachelor	Mechanical Engineering	3	14-12-2020 00:00:00	1 2 0
17	Project Work	ME8811	2021-22	Core Course	Bachelor	Mechanical Engineering	6	16-03-2022 00:00:00	0 2 0
18	Design and Fabrication Project	ME8682	2021-22	Core Course	Bachelor	Mechanical Engineering	2	16-03-2022 00:00:00	0 2 0
19	Design and Fabrication Project	ME8682	2020-21	Core Course	Bachelor	Mechanical Engineering	2	18-02-2021 00:00:00	2 2 0
20	Project Work	ME8811	2020-21	Core Course	Bachelor	Mechanical Engineering	6	18-02-2021 00:00:00	2 2 0
21	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Computer Science and Engineering	3	18-02-2021 00:00:00	2 2 0
22	Mini Project	CS8611	2020-21	Core Course	Bachelor	Computer Science Engineering	1	18-02-2021 00:00:00	2 2 0

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	C E C
23	Project Work	CS8811	2020-21	Core Course	Bachelor	Computer Science Engineering	6	14-12-2020 00:00:00	1 2 0
24	Intellectual Property Rights	GE8075	2021-22	Elective Course	Bachelor	Computer Science and Engineering	3	16-03-2022 00:00:00	0 2 0
25	Mini Project	CS8611	2021-22	Core Course	Bachelor	Computer Science Engineering	1	16-03-2022 00:00:00	0 2 0
26	Project Work	CS8811	2021-22	Core Course	Bachelor	Computer Science Engineering	6	16-03-2022 00:00:00	0 2 0
27	Intellectual Property Rights	GE8075	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	3	18-02-2021 00:00:00	2 2 0
28	Intellectual Property Rights	GE8075	2021-22	Elective Course	,Bachelor	Electrical and Electronics Engineering	3	16-03-2022 00:00:00	0 2 0
29	Project Work	EC8811	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	6	14-12-2020 00:00:00	1 2 0
30	Project Work	EC8811	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	6	16-03-2022 00:00:00	0 2 0
31	Aircraft Design Project	AE8613	2020-21	Core Course	Bachelor	Aeronautical Engineering	1	18-02-2021 00:00:00	2 2 0
32	Aircraft Design Project	AE8613	2021-22	Core Course	Bachelor	Aeronautical Engineering	1	16-03-2022 00:00:00	0 2 0

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	C E C
33	Project Work	AE8811	2020-21	Core Course	Bachelor	Aeronautical Engineering	6	14-12-2020 00:00:00	1 2 0
34	Project Work	AE8811	2021-22	Core Course	Bachelor	Aeronautical Engineering	6	16-03-2022 00:00:00	0 2 0

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

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date
1	CREO-Solid Modeling	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	10-12-2020 00:00:00	11-01-2021 00:00:00
2	Embedded Systems and Robotics	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Mechatronics Engineering	09-05-2022 00:00:00	12-05-2022 00:00:00
3	Programming in C and C plus plus	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	12-11-2020 00:00:00	09-12-2020 00:00:00
4	Students Induction Program	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Science and Humanities	20-11-2020 00:00:00	15-12-2020 00:00:00

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date
5	Students Induction Program	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Science and humanistic	18-11-2021 00:00:00	10-12-2021 00:00:00

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
No Data Found						

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
No Data Found					

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
No Data Found						

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	ALCOHOL DETECTION AND AUTOMATIC LOCKING SYSTEM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	P. Kavitha	Faculty
2	Fabrication and Installation of Biogas plant with innovative idea	Independent Assignment/Non-academic Study Project	2021-22	TRL 8 : First of a kind commercial system. Manufacturing issues solved	Dr.P.LILLY FLORENCE	Faculty
3	3D Printed Prosthetic Arm Using EMG Sensor	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	CHANDRASEKAR M	Faculty
4	Harvesting Kitchen Outlet Water Quality Monitor Control Using IoT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SUBA PRADHA M	Faculty

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagemene of Team Lead in Institute
5	CHILD SAFETY MANAGEMENT SYSTEM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	G.PURUSOTHAMAN	Faculty
6	INTELLIGENT AIR QUALITY CONTROL AND ALERT SYSTEM	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Saravanan S	Faculty
7	INTELLIGENT OVERLOAD DETECTION AND PREVENTION SYSTEM IN AUTOMOBILE USING IOT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	K.KARTHIKEYAN	Faculty
8	Automatic Garment Folding Machine	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr.A.PUNITHA	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	FY Sta Re Su j fro Inc uni Ins
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	KITAKEY INFOSYS	Knowledge/Mentoring Agency	Life	Active	03-09-2021	View (/Uploa
2	Red Hat India Private Limited	Non Govt. Agency	0001	Closed	18-03-2020	View (/Uploa
3	TINRBOT TECHNOLOGIES	Knowledge/Mentoring Agency	Life	Active	16-10-2020	View (/Uploa
4	Elevation	Knowledge/Mentoring Agency	Life	Active	02-09-2021	View (/Uploa

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
5	Innovaskill Technologies Private Limited	Non Govt. Agency	Life	Active	23-08-2021	View (/Uploa
6	Robotian Robotics and Industrial Automation	Non Govt. Agency	Life	Active	16-05-2022	View (/Uploa

Section 7: Intellectually Property (IP) Generated and Commercialization

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

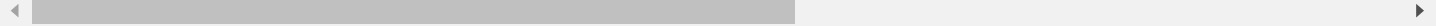
Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	KITCHEN GAS CYLINDER TROLLY	Design	335735-001	28-01-2022	No
2	MEAT GREEN TESTER	Design	342138-001	07-06-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
No Data Found			

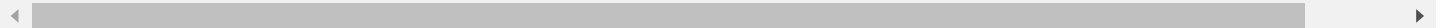
7.3) Patent Published / Granted Data

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
1	2021101443	Secure Device To Device Connectivity Mechanism for IoT Smart City Applications	28-04-2021	Published	2021	Other(Individual)	View (/Uplc



7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	Date Tran: Tech
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. P. Ranjith Kumar** (Head of Institute) and **Dr. ABDUR RAHMAN N** (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



Nodal officer



Dr. ABDUR RAHMAN N,
Nodal Officer,
M.A.M. School of Engineering (New),
Tiruchirappalli, Tamil Nadu

Dr. P. Ranjith Kumar ,
Head of the Institution,
M.A.M. School of Engineering (New),
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