

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

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

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

Contact:

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Designation:	Assistant Professor
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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
IIC 2.0 (2019-20)	4.5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	3.5

Contact:

IIC President of the Institute:	Dr. M. J. Jayashree
Designation:	Professor
Email ID:	jayashree.mj@mbcet.ac.in
Mobile No.	9349338747

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	Jijo Jose	Advance	2
2	SHERRY VARGHESE GEORGE	Advance	2
3	Arun J S	Advance	2
4	Pradeep M	Advance	0
5	Shiras S N	Basic	0
6	Sherin Mathew	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-43611	Yes
HEI Participated in the Smart India Hackathon (2022)	C-43611	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	Cours End Date
1	Mini Project	ECD334	2021-22	Core Course	Bachelor	Electronics and Communication Engineering	2	25-04-2022 00:00:00	01-08-2022 00:00
2	Mini Project	CSD 334	2021-22	Core Course	Bachelor	Computer Science and Engineering	2	25-04-2022 00:00:00	01-08-2022 00:00
3	Management for Engineers	HUT310	2021-22	Core Course	Bachelor	Electronics and Communication	3	25-04-2022 00:00:00	01-08-2022 00:00
4	Management for Engineers	HUT310	2021-22	Core Course	Bachelor	Mechanical Engineering	3	25-04-2022 00:00:00	01-08-2022 00:00
5	Design and Engineering	ESOU20A	2021-22	Core Course	Bachelor	Electronics and Communication	2	18-05-2022 00:00:00	26-08-2022 00:00
6	Design and Engineering	ESOU20A	2021-22	Core Course	Bachelor	Computer Science and Engineering	2	18-05-2022 00:00:00	26-08-2022 00:00
7	Design and Engineering	ESOU20A	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	2	18-05-2022 00:00:00	26-08-2022 00:00
8	Management for Engineers	HUT310	2021-22	Core Course	Bachelor	Civil Engineering	3	18-11-2021 00:00:00	09-03-2022 00:00
9	Management for Engineers	HUT310	2021-22	Core Course	Bachelor	Computer Science and Engineering	3	18-11-2021 00:00:00	09-03-2022 00:00
10	Management for Engineers	HUT310	2021-22	Core Course	Bachelor	Electrical and Electronics Engineering	3	18-11-2021 00:00:00	09-03-2022 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	Cours End Date
11	Design and Engineering	EST200	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	2	26-04-2021 00:00:00	05-07-2021 00:00
12	Design and Engineering	EST200	2020-21	Core Course	Bachelor	Computer Science and Engineering	2	26-04-2021 00:00:00	05-07-2021 00:00
13	Design and Engineering	EST200	2020-21	Core Course	Bachelor	Electrical and Electronics Engineering	2	26-04-2021 00:00:00	05-07-2021 00:00
14	Design and Engineering	EST200	2020-21	Core Course	Bachelor	Civil Engineering	2	17-08-2020 00:00:00	21-01-2021 00:00
15	Design and Engineering	EST200	2020-21	Core Course	Bachelor	Mechanical Engineering	2	17-08-2020 00:00:00	22-01-2021 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	Program Start Date	Pro Enc Dat
1	Foundation Course in Entrepreneurship	2020-21	Short-term Certificate Program	Self Sponsored/Supported	IEDC	15-04-2021 00:00:00	24-1-202 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
1	IEDC	IEDC	Arun J S	9496368197	arun.js@mbcet.ac.in	

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	Dr APJ Abdul Kalam Centre For Innovation, Incubation And Entrepreneurship	Arun J S	9496386197	arun.js@mbcet.ac.in	Own Resource,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	IPR CELL	Dr. P S Prasanth	9497154209	prasanth.ps@mbcet.ac.in	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage)

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

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

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Co No
1	Pisces Bot	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	ABHIJITH A	Alumni	
2	Stair Climbing gesture control motion wheelchair	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	GOKUL G S	Student	
3	SYNTHETIC REXINE REINFORCED CONCRETE FOR PAVEMENT TILES [REXICRETE]	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	ASHIK S H	Alumni	

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 Rec Sup 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	National Institute of Speech and Hearing, Thiruvananthapuram	Govt. Agency (State)	3	Active	09-03-2022	View (∨)
2	UNIVERSITI TEKNOLOGI MALAYSIA	Educational Institute	2	Active	17-03-2022	View (∨)
3	Infosys Ltd.	Corporate/Industry Association	2	Active	07-12-2021	View (∨)
4	ACSIA TECHNOLOGIES	Corporate/Industry Association	2	Active	16-12-2021	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
5	REGIONAL TELECOM TRAINING CENTRE, TRIVANDRUM	Non Govt. Agency	1	Active	19-05-2022	View
6	Maven Silicon Softech Pvt Ltd.	Corporate/Industry Association	3	Active	03-11-2021	View
7	Vinvish Technologies Pvt. Ltd.	Corporate/Industry Association	3	Active	30-09-2021	View
8	CENTERE FOR DEVELOPMENT OF ADVANCED COMPUTING, THIRUVANANTHAPURAM	Govt. Agency (Central)	3	Active	27-05-2022	View
9	CENTERE FOR DEVELOPMENT OF ADVANCED COMPUTING	Govt. Agency (Central)	1	Closed	15-02-2021	View
10	Vydyuthi Energy Services	Corporate/Industry Association	5	Active	03-12-2020	
11	Kerala Startup Mission	Govt. Agency (State)	5	Active	05-03-2022	View
12	ACCUBITS TECNOLOGIES PVT LTD	Corporate/Industry Association	3	Active	30-06-2021	View
13	AJMAN UNIVERSITY, UAE	Educational Institute	3	Active	26-07-2022	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
1	Green Electric Mask Annihilator (GEMA)	202241016658	24-03-2022

7.3) Patent Published / Granted Data

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

7.4) IP Commercialized and Transferred to Industry/Startup

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



Declaration

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

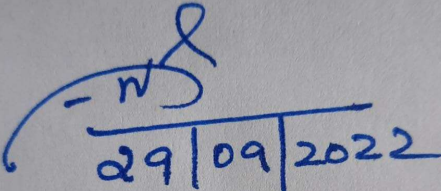
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. Abraham T Mathew** (Head of Institute) and **Ms. Lakshmy S** (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

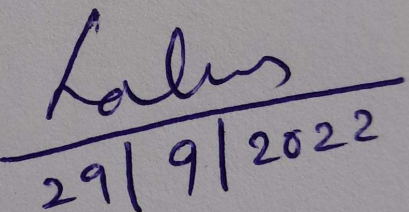
The Head of Institute



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Dr. Abraham T Mathew,
Head of the Institution,
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Nodal officer



Ms. Lakshmy S,
Nodal Officer,
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