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

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

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

Contact:

Faculty Name:	K KRISHNA REDDY
Designation:	ASSOCIATE PROFESSOR
Email ID:	hodeee@mtieat.org
Mobile No.	9494454734

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)	0
IIC 4.0 (2021-22)	1

Contact:

IIC President of the Institute:	DR R T SARATH BABU
Designation:	HOD & Associate Professor
Email ID:	hodmech@mtieat.org
Mobile No.	9885570204

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
No Data Found			

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal		C-26938	Yes

HEI Participated in the Smart India Hackathon (2022)	C-26938	Yes

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

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	T B U
1	CNC Programming	2003AOC01	2020-21	Core Course	Bachelor	Mechanical Engineering	4	01-04-2021 00:00:00	06-04-2021 00:00:00	6	36	Offline	3
2	HYPERMESH	2003AOC02	2020-21	Core Course	Bachelor	Mechanical Engineering	3	01-04-2021 00:00:00	06-04-2021 00:00:00	6	36	Offline	4
3	PROGRAMABLE LOGIC CONTROLLER	2002AOC01	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	4	20-06-2020 00:00:00	25-06-2020 00:00:00	6	30	Offline	5
4	INTERNET OF THINGS(IOT)	2002AOC02	2020-21	Elective Course	,Bachelor	Electrical and Electronics Engineering	4	21-06-2020 00:00:00	26-06-2020 00:00:00	6	30	Offline	6

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	T B U
5	MATLAB	2002AOC03	2020-21	Elective Course	Bachelor	Electrical and Electronics Engineering	4	18-12-2020 00:00:00	23-12-2020 00:00:00	6	30	Offline	5
6	PRIMAVERA	2001AOC03	2020-21	Elective Course	Bachelor	Civil Engineering	4	17-02-2021 00:00:00	22-02-2021 00:00:00	6	30	Offline	3
7	REVIT SOFTWARE	2001AOC02	2020-21	Core Course	,Bachelor	Civil Engineering	4	17-02-2021 00:00:00	22-02-2021 00:00:00	6	30	Offline	4
8	PYTHON PROGRAMMING	2005AOC02	2020-21	Core Course	Bachelor	Computer Science and Engineering	4	20-06-2020 00:00:00	26-06-2020 00:00:00	7	30	Offline	1
9	UNIX PROGRAMMING	2005AOC03	2020-21	Elective Course	Bachelor	Computer Science and Engineering	4	05-11-2020 00:00:00	10-12-2020 00:00:00	36	30	Offline	1
10	DATA SCIENCE AND BIG DATA ANALYTICS	2005AOC01	2020-21	Elective Course	Bachelor	Computer Science and Engineering	4	18-12-2020 00:00:00	23-12-2020 00:00:00	6	30	Offline	1
11	MATLAB	2002AOC03	2020-21	Elective Course	Bachelor	Computer Science and Engineering	4	12-10-2020 00:00:00	17-10-2020 00:00:00	6	30	Offline	5

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	T B U
12	VLSI DESIGN AND SIMULATION	2004AOC01	2020-21	Core Course	Bachelor	Electronics and Communication Engineering	4	16-11-2020 00:00:00	21-11-2020 00:00:00	6	30	Offline	1
13	CELLULAR AND MOBILE COMMUNICATION	2004AOC02	2020-21	Elective Course	Bachelor	Electronics and Communication Engineering	4	18-01-2021 00:00:00	23-01-2021 00:00:00	6	30	Offline	1
14	APPLICATIONS OF DIFFERENTIATION AND INTEGRATION	2000AOC01	2020-21	Elective Course	Bachelor	Science and Humanities	4	07-05-2021 00:00:00	21-05-2021 00:00:00	15	30	Offline	3
15	Pro Engineers (PRO E)	2003AOC03	2020-21	Elective Course	Bachelor	Mechanical Engineering	4	01-04-2021 00:00:00	06-05-2021 00:00:00	36	30	Offline	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 Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
1	A One Day Workshop On Human Values And Ethics	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mother Institute of Engineering and Technology	25-01-2021 00:00:00	30-01-2021 00:00:00	6	30	Offline	30
2	A One Day Workshop On Entrepreneurship Development In Rural Area	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mother Theresha Institute of Engineering and Technology	09-02-2020 00:00:00	14-02-2020 00:00:00	6	30	Offline	40
3	A One Day Workshop On Machine Learning With Python	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mother Theresha Institute of Engineering and Technology	22-12-2020 00:00:00	28-12-2020 00:00:00	7	30	Offline	60

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
4	AICTE Sponsored STTP on The Next Green Revolution of Data Science in Transforming Agriculture Industry	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Mother Theresa Institute of Engineering and Technology	28-12-2020 00:00:00	02-01-2021 00:00:00	6	30	Online	150
5	PDP on Applications of Bio materials	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mother Theresa Institute of Engineering and Technology	20-12-2020 00:00:00	24-12-2020 00:00:00	5	30	Offline	25
6	PDP on A Plan to Improve Speaking Skills of Non -Native Speakers	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mother Theresa Institute of Engineering and Technology	20-01-2020 00:00:00	24-01-2020 00:00:00	5	30	Offline	45

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
7	A Five Day Professional Development Program On Introduction To Win-Fig	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	09-11-2020 00:00:00	13-11-2020 00:00:00	5	30	Offline	15
8	Aicte Sponsored Short Term Training Program Me STTP On Next Green Revolution Of Data Science In Transforming Agriculture Industry Phase-I	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	10-12-2020 00:00:00	15-12-2020 00:00:00	6	30	Online	54
9	A Six Day Professional Development Program On Widespread Adoption Of 3D Printing Robots And Internet Of Thing Devices	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	06-12-2020 00:00:00	11-12-2020 00:00:00	6	30	Offline	15

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
10	A Six Day Professional Development Program On Micro station Software	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	08-02-2020 00:00:00	13-02-2020 00:00:00	6	30	Offline	20
11	A One Week Professional Development Program On Big Data Using Hadoop	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	23-02-2020 00:00:00	28-02-2020 00:00:00	6	30	Online	50
12	A Five Day Professional Development Program On Power System Scenario	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	02-03-2021 00:00:00	06-03-2021 00:00:00	5	30	Offline	11
13	A Six Day Professional Development Program on Product Development and Design	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	07-10-2019 00:00:00	12-10-2019 00:00:00	6	30	Offline	15

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
14	A Five Day Professional Development Program on Latex for Beginners	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	18-11-2019 00:00:00	22-11-2019 00:00:00	5	30	Offline	10
15	A Six Day Professional Development Program on Foundation Analysis by using STADD PRO	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Civil Engineering	02-12-2019 00:00:00	07-12-2019 00:00:00	6	30	Offline	10
16	Five Day Professional Development Program on Matlab Basics and Beyond	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electrical and Electronics Engineering	10-12-2019 00:00:00	14-12-2019 00:00:00	5	30	Offline	15

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mode of Delivery	Total Bene Unde Certi
17	A Five Day Professional Development Program on A Plan to Improve Speaking Skills of Non -Native Speakers	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Science and Humanities	20-01-2020 00:00:00	24-01-2020 00:00:00	5	30	Offline	15
18	A Five Day Professional Development Program on A Plan to Improve Speaking Skills of Non -Native Speakers	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Mechanical Engineering	17-02-2020 00:00:00	22-02-2020 00:00:00	6	30	Offline	10
19	A Six Day Professional Development Program on Python Basics In Association With APSSDC	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Computer Science and Engineering	12-03-2020 00:00:00	17-03-2020 00:00:00	6	30	Offline	15

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

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

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	EDC	MTIETPIC	DR C S DWARAKA VISWANATH	9494513187	hsmtiet@gmail.com	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	Start-Up Cell	Andhra Pradesh Information Technology Academy	K Lokesh	9494093737	hodainds@mtieat.org	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)
3	Start-Up Cell	Industrial IOT Lab	Dr.U.Kumaran	8667258490	hodcse@mtieat.org	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel and (or) Venture Cap
4	Tinkering Lab	YIC	Dr. G JAYAGOPI	8903661681	hodcse@mtieat.org	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development),Incubation Facility Support (Innovative Business Model to Startup and Market Linkage & Growth Stage),Investment - Angel and (or) Venture Cap

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	MTIETIC	K Krishna Reddy	9494454734	hodeee@mtieat.org	CSR/Private,Own Resource
2	Industry Institute Interaction Cell (IIIC)	K Krishna Reddy	9494454734	hodeee@mtieat.org	Own Resource
3	PE Solutions Lab	S K Lakshmi Narayana	9739009281	sklnarayana@gmail.com	Own Resource
4	Sai Ram Innovation Lab	A Reddi Prasad	9866451341	mtitpat@gmail.com	CSR/Private,Own Resource

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	MTIET	N V KISHORE KUMAR	8639544798	mtieteee207@gmail.com	Mentoring Support,Seed Grant Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)
2	Technology Transfer Centre /TTO	Ekalavya Solutions Lab	Dr.PC.Prabhu Kumar	9849932005	drprabhu.cse@mtieat.org	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)
3	Technology Transfer Centre /TTO	Noobtron Lab	Dr. S. Murali Mohan	9110747163	muralimohanieee@gmail.com	Mentoring 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	Contact No	Email	Total Grants Received (from all sources)	Gra Re Ins
1	DESIGN AND FABRICATION OF CYCLOCLEAN	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	SARATHBABU RT	Faculty		saratht1983@gmail.com	0	0
2	DESIGN AND FABRICATION OF CYCLOCLEAN	Academic Requirement/Study Project	2021-22	TRL 5 : Large scale prototype tested in intended environment	SARATHBABU RT	Faculty		saratht1983@gmail.com	0	0

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	Contact No	Email	Total Grants Received (from all sources)	Gr: Re: Ins
3	FABRICATION OF FLOOR CLEANING ROBOT	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	A Arun Kumar	Faculty		yasharun306@gmail.com	0	0

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

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

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India	FY of Started Receiving Support from the Incubation unit at the Institute	Team Lead/Founder Name	Current Engagement of Team lead/Founder in Institute	DIN No of Found Leade
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	JEMI CLUSTER Chennai	Corporate/Industry Association	Five	Active	12-03-2020	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternalA

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
2	STIGMATA TECHNO SOLUTIONS Chennai	Knowledge/Mentoring Agency	Five	Active	05-10-2021	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternal/
3	NOOBTRON Pvt Ltd Chennai	Corporate/Industry Association	nine	Active	07-10-2020	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternal/
4	Sai Rams Innomations India Pvt Ltd Tirupati	Knowledge/Mentoring Agency	Five	Active	21-09-2021	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternal/
5	Click Talent Connect Pvt Ltd Bangalore	Corporate/Industry Association	four	Active	22-06-2022	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternal/
6	KNR EDU SERVICES PVT LTD Hyderabad	Knowledge/Mentoring Agency	Two	Active	21-12-2021	View (/Uploads/Institute/ARI-C-26938/2021-22/CollaboratExternal/

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	DESIGN AND OPTIMIZATION OF HIGH SPEED INFRARED HEATING FURNACE	Design	202141012160	02-04-2021	Yes
2	EMERGENCY RESPONSE HANDLING SYSTEM FOR INDIVIDUAL CRISIS AND LARGE-SCALE DISASTERS BY CROWD SHAPING	Design	202041016067	05-06-2020	Yes

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	DESIGN AND OPTIMIZATION OF HIGH SPEED INFRARED HEATING FURNACE	202141012160	02-04-2021
2	EMERGENCY RESPONSE HANDLING SYSTEM FOR INDIVIDUAL CRISIS AND LARGE-SCALE DISASTERS BY CROWD SHAPING	202041016067	05-06-2020

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	202141051629	A NOVEL METHOD - FINGERPRINT AUTHENTICATION IN ANDROID MOBILE APPLICATION SECURITY	11-11-2021	Published	2021		
2	202141030994	"A SYSTEM AND METHOD BASED ON NEURAL NETWORK AND HIDDEN MARKOV MODELLING FOR PREDICTING DRUG PROPERTY"	07-09-2021	Published	2021		
3	202141012160	DESIGN AND OPTIMIZATION OF HIGH SPEED INFRARED HEATING FURNACE	22-03-2021	Published	2021		
4	202041055150	System and the method for Software Quality prediction by Machine Learning	18-12-2020	Published	2021		
5	202041016067	EMERGENCY RESPONSE HANDLING SYSTEM FOR INDIVIDUAL CRISIS AND LARGE-SCALE DISASTERS BY CROWD SHAPING	14-04-2020	Published	2020		

7.4) IP Commercialized and Transferred to Industry/Startup

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

Declaration

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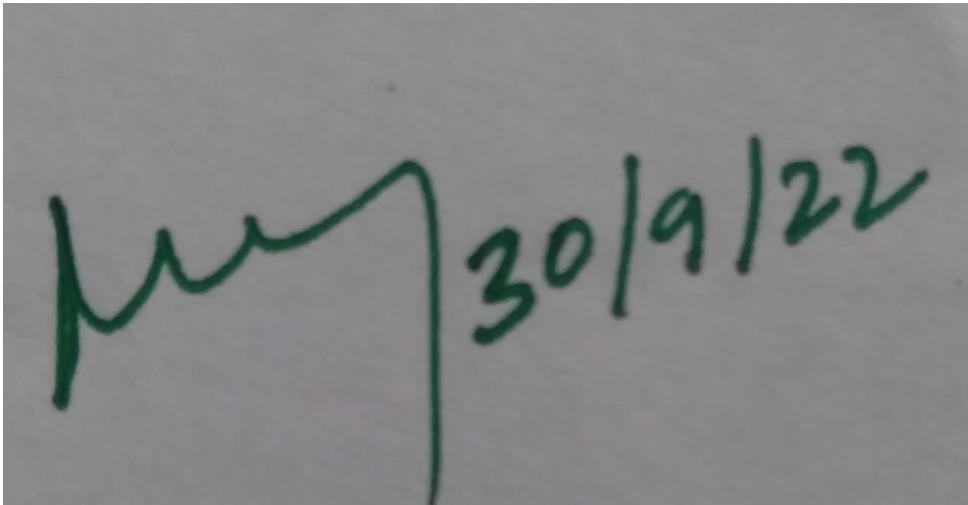MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. M. Lakshmi Kantha Reddy** (Head of Institute) and **Dr. RT SARATHBABU** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
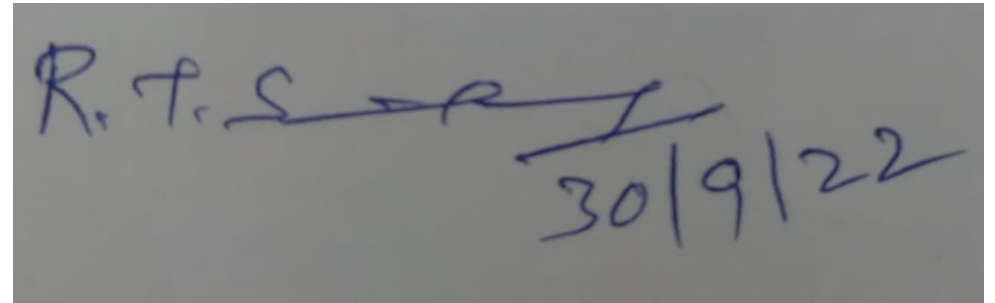
Thank you

The Head of Institute	Nodal officer
30/9/22	30/9/22

Dr. RT SARATHBABU,
Nodal Officer,
Mother Theresa Institute of Engineering and Technology,
Palamaner, Andhra Pradesh

Dr. M. Lakshmi Kantha Reddy,
Head of the Institution,
Mother Theresa Institute of Engineering and Technology,
Palamaner, Andhra Pradesh