



Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21 Institute Name: M.A.M. School of Engineering (New) [ARI-C-25007]

#### List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	MECHATRONICS	Academic Department with lab facility	MECHATRONICS	UG / PG / PhD	Technical	91	12	0
2	Aeronautical	Academic Department with lab facility	Aeronautical	UG / PG / PhD	Technical	113	11	1
3	COMPUTER SCIENCE	Academic Department with lab facility	COMPUTRE SCIENCE	UG / PG / PhD	Technical	109	10	1
4	ELECTRONICS AND COMMUNICATION	Academic Department with lab facility	ECE	UG / PG / PhD	Technical	68	11	1
5	ELECTRICAL AND ELECTRONICS	Academic Department with lab facility	EEE	UG / PG / PhD	Technical	81	15	2
6	MECHANICAL	Academic Department with lab facility	MECH	UG / PG / PhD	Technical	206	24	1
7	Power Electronics and Drives	Academic Department with lab facility	EEE	UG / PG / PhD	Technical	2	1	0

#### Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201811816
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizin g Departm ent / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(i n Days)	Program Location	Internal Participa nts (Student)	Internal Participa nts (Faculty)	External Participa nts (Student)	External Participa nts (Faculty)	Total Number of Participa nts	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Innovativ e Electonic s	Innovatio n	Skill developm ent	Institute Lead Activity	Lift India, Trichy	25-07-20 19 00:00:00	25-07-20 19 00:00:00	1	Within Campus	46	4	0	0	50	No	Award / Position / Recognition Securedparticipatio nTitle of Innovation / Start-up Secured the Award / RecognitionInnovative ElectronicsAward/Recog nition/Achieve ment Received forIdea/Innova tion/Prototy pe
2	Innovativ e electronic s	Innovatio n	Training	Institute Lead Activity	Electrical and Electroni cs Engineeri ng	25-07-20 19 00:00:00	27-07-20 19 00:00:00	3	Within Campus	19	5	0	0	24	No	No
3	Lecture on Innovatio n and Creativity	Innovatio n	Seminar	Institute Lead Activity	Electrical and Electroni cs Engineeri ng	24-01-20 20 00:00:00	24-01-20 20 00:00:00	1	Within Campus	46	6	0	0	52	No	No
4	Lecture on Innovatio n and Creativity	Entrepre neurship/ Startup	Worksho p	Institute Lead Activity	Electrical and Electroni cs Engineeri ng	04-02-20 20 00:00:00	04-02-20 20 00:00:00	1	Within Campus	57	6	0	0	63	No	No

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

No Data Flled!

Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

No Data Flled!

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data Flled!

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name		Departn	Department/Centre/Unit Name			Designation			Do you have a degree in I&E & IPR?			Had the faculty received training on I&E & IPR during AY 2019-20		
1	Ms.Subapradha M		Mechatronics Eng	Mechatronics Engineering			Assistant Professor		N	No			Yes		
	Training Name	Tra	ining Theme	Type of (	Course	Training Na	g Agency ame	Training Agency Type		Training Start Date	Training End	Date	Trainin (in	g Duration Days)	Mode of Delivery
	Tips for Clearing patent Agent Examination	IPR		FDP in I&E		elamma ngineeri	ıl ing College	Educational Institut	te (	06-05-2020 00:00:00	07-05-2020 00:00:00		2		Online
2	Mr.Saravanan S		Mechatronics Eng	gineering			Assistant Pro	ofessor	N	lo			Yes		
	Training Name	Tra	ining Theme	Type of (	Course	Training Na	g Agency ame	Training Agency Type		Training Start Date	Training End	Date	Trainin (in	g Duration Days)	Mode of Delivery
	Research,Funding Projects & IPR	IPR		FDP in I&E	É M	.C Colle ngineeri lanagen esearch	ing & nent &	Educational Institut	te (	07-05-2020 00:00:00	09-05-2020 00:00:00		3		Online
3	Dr Abdur Rahman N	Dr Abdur Rahman N Electronics and Con			n Engineering		Assistant Professor		Ye	Yes			No		
Highest degree name in I&E and IPRLow power VLSI desig nDegree TypePhDYear of Highest degree in I&E and IPR2020	4 Ms.P.Kavitha						Electronics and Communication Engineering		As				No		
Yes			Training I	Name	Training T	heme	Type Cour	of Training se Agency Na	g ame	Training Agency Type	Training Start Date	Trair [	ning End Date	Training Duration (ii Days)	n Mode of Delivery
			Arts and Skills f learining	or effective	Innovation		FDP in I& IPR	&E, Saveetha Engineerin College,Ch ai		Educational Institute	25-05-2020 00:00:00	06-06 00:00	-2020 :00	13	Online
			Recent advance processing RF a wireless Comm	and	Innovation		FDP in I& IPR	&E, Governmer College of Engineerin Sethurapat	ng,	Educational Institute	23-09-2019 00:00:00	29-09 00:00	-2019 :00	7	Online
			Digital Tools for	Learning	Innovation		FDP in I& IPR	&E, Annamalai University	i	Educational Institute	12-05-2020 00:00:00	18-05 00:00	-2020 :00	7	Online
5	Mr.T.Ashok		Electronics and C	communication	n Engineering		Associate Pr	ofessor	N	lo			Yes		

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Arts and Skills for effective learining	Entrepreneurship/Startup	FDP in I&E, IPR	Saveetha Engineering College,Chennai	Educational Institute	25-05-2020 00:00:00	06-06-2020 00:00:00	13	Online
	Recent advances in signal processing RF and wireless Communication	Innovation	FDP in I&E, IPR	Government College of Engineering, Sethurapatti	Educational Institute	23-09-2019 00:00:00	29-09-2019 00:00:00	7	Online
	Digital Tools for Learning	Innovation	FDP in I&E, IPR	Annamalai University	Educational Institute	13-05-2020 00:00:00	18-05-2020 00:00:00	6	Online
6	Mr.A.Karthikkumar	Electronics and C	Communication Enginee	ring Assistant Pr	ofessor	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Latest wireless and computing technologies	Innovation	FDP in I&E, IPR	National Institute of technical teachers training and research,chandigar h	Govt. Agency (Central)	14-04-2020 00:00:00	18-04-2020 00:00:00	5	Online
7	S MURUGAVALLI	CSE	ASSISTANT PROFESSOR			No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
8	G.Rajesh kumar	CSE		ASSISTANT	PROFESSOR	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
9	VIDHYA V	CSE		ASSISTANT	PROFESSOR	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
10	Ms.K.Vinothini	Electrical and Ele	ectronics Engineering	Assistant Pr	ofessor	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Kothari Sugar Mills		FDP in I&E, IPR	Kothari Sugar Mills	Non-Govt. Agencies	06-12-2019 00:00:00	09-12-2019 00:00:00	4	Offline
11	Ms.M.Meenakshi	Electrical and Ele	ectronics Engineering	Assistant Pr	ofessor	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Kothari Sugar Mills	Innovation	FDP in I&E, IPR	Kothari Sugar Mills	Non-Govt. Agencies	07-12-2019 00:00:00	09-12-2019 00:00:00	3	Offline
12	G. Purushothaman	Electrical and Ele	ectronics Engineering	Assistant Pr	ofessor	No		Yes	

	Training Name	Training Theme	Type of Course	ر Training Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	High Energy Batteries	Innovation	FDP in I&E, IPR	High Energ Batteries	ју	Non-Govt. Agencies	18-12-2019 00:00:00	21-12-2019 00:00:00	4	Offline
13	Mr.A.Senthamarai kannan	Electrical and El	ectronics Engineering	ectronics Engineering Associ		fessor	No		Yes	
	Training Name	Training Theme	Type of Course	Training / Nan			Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	High Energy Batteries	Innovation	FDP in I&E, IPR	High Energ Batteries	IУ	Non-Govt. Agencies	18-12-2019 00:00:00	21-12-2019 00:00:00	4	Offline
14	VSM Balamurali	Aeronautical Eng	gineering	A	ssistant Prof	ressor	No		Yes	
	Training Name	Training Theme	Type of Course	Training / Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	INDUSTRY TRAINING	Entrepreneurship/Startup	Employment Generation Training Programs	jet aerospa	ice	Non-Govt. Agencies	26-04-2019 00:00:00	27-05-2019 00:00:00	32	Offline
15	K M Sridhar	AERONAUTICA	LENGINEERING	A	ASSISTANT PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training / Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	INDUSTRY TRAINING	Entrepreneurship/Startup	Employment Generation Training Programs	jet aerospa	ice	Non-Govt. Agencies	26-04-2019 00:00:00	27-05-2019 00:00:00	32	Offline
16	Dr K Chandrasekaran	Dr K Chandrasekaran Aeronautical E			ROFESSOR	ł	No		Yes	
	Training Name	Training Theme	Type of Course Tr		Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	INDUSTRY	Entrepreneurship/Startup	Employment Generation Training Programs G.B.EN ENTER PRIVAT		B.B.ENGINEERING NTERPRISES PRIVATE LIMITED		03-06-2019 00:00:00	06-06-2019 00:00:00	4	Offline
17	M F Mohammed Hussain	Aeronautical Eng	Aeronautical Engineering		ASSISTANT PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training / Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	INDUSTRY TRAINING	Entrepreneurship/Startup	Employment Generation Training Programs	G.B.ENGIN ENTERPRI PRIVATE L	ISES	Non-Govt. Agencies	03-06-2019 00:00:00	06-06-2019 00:00:00	4	Offline
18	R.RAMANATHAN	MECHANICAL E	NGINEERING	A	SSOCIATE	PROFESSOR	No		Yes	
	Training Name	Training Theme	Type of Course	Training / Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
19	A MOHANKUMAR	MECHANICAL E	NGINEERING	A	ASSISTANT PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	ر Training Nan	Agency ne	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

20	M VIMAL KUMAR	M VIMAL KUMAR		MECHANICAL ENGINEERING		ASSISTANT PROFESSOR		No		Yes	
	Training Name	Trai	ning Theme	Type of Course	Train	ing Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
21	PREM KUMAR		MECHANICAL E	NGINEERING		ASSSISTAN	T PROFESSOR	No		Yes	
	Training Name	Trai	ning Theme	Type of Course		ing Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
22	VIJAYA KUMAR		MECHANICAL EN	NGINEERING		ASSISTANT	PROFESSOR	No		Yes	
	Training Name	Trai	ning Theme	Type of Course	Train	ing Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

No Data Filed!

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

No Data Flled!

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

No Data Flled!

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data Flled!

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Flled!

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Flled!

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data Flled!

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Flled!

# Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

No Data Flled!

#### Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

No Data Flled!

#### Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Smo	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Propeller Technologies Research and Development Private Limited Trichy	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	29-01-2020
2	R.K.METAL INDUSTRIES	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	16	30-12-2020
3	GAYATHRI MANUFACTURING COMPANY	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	24	30-12-2020

## Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Flled!

#### Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Milling attachment in automated miniature lathe machine using infrared sensor	201941029821	National	2019 - 07	Uploaded
2	Development of surface grinding attachments in automated microlathe operated by remote control	201941029819	National	2019 - 07	Uploaded

#### Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Flled!

### Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Flled!

# 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 Mr. 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

Dr. P. Ranjith Kumar Head of the Institution, Tiruchirappalli, Tamil Nadu

Nodal officer

Mr. ABDUR RAHMAN N Nodal Officer, Tiruchirappalli, Tamil Nadu

Responsibility for accuracy and authenticity of data lies with the concerned institution.