



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Mar Baselios College of Engineering and Technology [ARI-C-43611]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	481	32	11
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	340	24	13
Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	457	32	12
Department of Computer Science Engineering	Academic Department with lab facility	Computer Science Engineering	UG / PG / PhD	Technical	486	28	5
Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics & Communication Engineering	UG / PG / PhD	Technical	395	30	10
Department of Science and Humanities	Academic Department with lab facility	Science and Humanities	UG / PG / PhD	Non-Technical	0	16	3
Catalyst Mar Baselios IEDC	Pre-incubation unit	Multidisciplinary	Not Allowed	Not Allowed	0	0	0
APJ Abdul Kalam Centre for Innovation Incubation and Entrepreneurship	Incubation Unit	Multidisciplinary	Not Allowed	Not Allowed	0	0	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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201811311
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)	No	Not Required

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program	Program Theme	Program Type	Program Category	Organizing	Program Start	Program End Date	Program Duration(i)	Program Location	Internal Participa	Internal Participa	External Participa	External Participa	Total Number	Had institute spent expenses either from own	Did any of the participants received any awards/recognition
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

	(Full Name)			Department / Centre / Student Body Name	Date	n Days		nts (Student)	nts (Faculty)	nts (Student)	nts (Faculty)	of Participants	resource/received fund to organise the program/activity/event?	for startup / innovation ideas / research?				
1	Problem to Product by Prof. Pradeep Raj	Innovation	Seminar	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	01-04-2019 00:00:00	01-04-2019 00:00:00	1	Within Campus	76	2	0	0	78	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>2500</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500																	
2	Sochh A thought to share by Mr. Roshan Kynadi	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	06-04-2019 00:00:00	06-04-2019 00:00:00	1	Within Campus	29	5	0	0	34	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>5000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000																	
3	Curathon	Innovation	Hackathon	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	03-05-2019 00:00:00	04-05-2019 00:00:00	2	Outside Campus	28	0	0	0	28	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>10000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000																	
4	RELEvent 2019	Entrepreneurship/Startup	Ideation	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	11-05-2019 00:00:00	12-05-2019 00:00:00	2	Within Campus	31	3	0	0	34	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>1532</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1532	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1532																	

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

5	Workshop on Advanced deep learning	Innovation	Workshop	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	20-05-2019 00:00:00	22-05-2019 00:00:00	3	Within Campus	0	35	0	0	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No						
6	Idea Fest	Innovation	Innovation Contest	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	22-06-2019 00:00:00	22-06-2019 00:00:00	1	Within Campus	12	0	284	0	296	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9896	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Funding Support</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Walker Chair</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	Funding Support	Title of Innovation / Start-up Secured the Award / Recognition	Walker Chair	Award/Recognition/Achievement Received for	
Award / Position / Recognition Secured	Funding Support																						
Title of Innovation / Start-up Secured the Award / Recognition	Walker Chair																						
Award/Recognition/Achievement Received for																							
7	Innovations and IPR	IPR	Seminar	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	28-06-2019 00:00:00	28-06-2019 00:00:00	1	Within Campus	35	6	0	0	41	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
8	Fablab Visit	Innovation	Exposure visit	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	05-07-2019 00:00:00	05-07-2019 00:00:00	1	Outside Campus	28	6	0	0	34	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

9	We Engineer the world	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	26-07-2019 00:00:00	01-08-2019 00:00:00	7	Within Campus	392	20	0	0	412	No	No
10	Community Meetup of Robotics and IoT	Innovation	Awareness	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	27-08-2019 00:00:00	27-08-2019 00:00:00	1	Within Campus	27	0	0	0	27	No	No
11	Python Programming	Innovation	Skill development	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	23-08-2019 00:00:00	28-08-2019 00:00:00	6	Within Campus	35	0	0	0	35	No	No
12	Programming using Raspberry Pi	Innovation	Skill development	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	23-08-2019 00:00:00	28-08-2019 00:00:00	6	Within Campus	35	0	0	0	35	No	No

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

13	Maker Station 3d Printing workshop	Innovation	Workshop	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	23	0	0	0	23	<div style="background-color: #002060; color: white; padding: 5px; display: inline-block;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 3000		No
14	UST D3Code Hackathon Roadshow	Innovation	Road Show	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	46	2	0	0	48	No	No	
15	Sochh A thought to share by Advait U	Innovation	Awareness	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	29-08-2019 00:00:00	29-08-2019 00:00:00	1	Within Campus	21	0	0	0	21	No	No	
16	Design Thinking for Innovation workshop	Innovation	Workshop	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	80	0	0	0	80	No	No	

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

17	Entrepreneurship as a career option	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	04-10-2019 00:00:00	04-10-2019 00:00:00	1	Within Campus	34	3	0	0	37	No	No	
18	Sochh My Innovation Journey by Anto P. Biju	Entrepreneurship/Startup, Innovation	Motivational speak	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	26-10-2019 00:00:00	26-10-2019 00:00:00	1	Within Campus	82	6	0	0	88	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
19	Inceptra 2019	Entrepreneurship/Startup, Innovation	Boot camp	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	09-11-2019 00:00:00	10-11-2019 00:00:00	2	Within Campus	54	5	0	0	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11920	No
20	Sochh A thought to share by Aravind Venugopal	Innovation	Seminar	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	18-02-2020 00:00:00	18-02-2020 00:00:00	1	Within Campus	36	0	0	0	36	No	No	

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

21	Art N Craft of Photography & Digital Marketing	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	50	2	0	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
22	Smart India Hackathon SIH Prelims	Entrepreneurship/Startup, Innovation	Hackathon	Institute Lead Activity	Innovation and Entrepreneurship Development Centre, Mar Baselios College of Engineering and Technology	27-03-2020 00:00:00	27-03-2020 00:00:00	1	Within Campus	66	0	0	0	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
23	Quick Tips for a Head Start to the corporate World	Innovation	Motivational speak	Institute Lead Activity	Department of Computer Science and Engineering	20-08-2019 00:00:00	20-08-2019 00:00:00	1	Within Campus	120	0	0	0	120	No	No	
24	Unity3D	Innovation	Skill development	Institute Lead Activity	Department of Computer Science and Engineering	24-08-2019 00:00:00	24-08-2019 00:00:00	1	Within Campus	24	0	0	0	24	No	No	
25	Amrithapuri campus visit	Innovation	Exposure visit	Institute Lead Activity	Department of Computer Science and Engineering	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Outside Campus	6	0	0	0	6	No	No	
26	Strava Cyber lab Visit	Innovation	Exposure visit	Institute Lead Activity	Department of Computer Science and Engineering	09-01-2020 00:00:00	09-01-2020 00:00:00	1	Outside Campus	6	0	0	0	6	No	No	
27	Coding competition CODEIT' 20	Innovation	Innovation Contest	Institute Lead Activity	Department of Computer Science and Engineering	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	20	0	0	0	20	No	No	

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

28	TRYDAN - Perceive the Transcience	Innovation	Innovation Contest	Institute Lead Activity	Department of Electrical and Electronics Engineering	26-04-2019 00:00:00	28-04-2019 00:00:00	3	Within Campus	19	0	23	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
29	RC Aircraft Workshop	Innovation	Skill development	Institute Lead Activity	Department of Electrical and Electronics Engineering	03-01-2020 00:00:00	04-01-2020 00:00:00	2	Within Campus	0	0	17	0	17	No		No
30	NEXUZ 19	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Electrical and Electronics Engineering	11-10-2019 00:00:00	12-10-2019 00:00:00	2	Within Campus	384	0	600	0	984	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	856903	No
31	PATW South Asia Finals	Innovation	Innovation Contest	Institute Lead Activity	Department of Electrical and Electronics Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Outside Campus	1	0	7	0	8	No		No
32	IGNIET 2020	Innovation	Motivational speak	Institute Lead Activity	Department of Electrical and Electronics Engineering	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	39	0	0	0	39	No		No
33	PATW College Heats	Innovation	Innovation Contest	Institute Lead Activity	Department of Electrical and Electronics Engineering	07-03-2020 00:00:00	07-03-2020 00:00:00	1	Within Campus	18	0	0	0	18	No		No
34	American Society for Mechanical Engineers E-FX	Innovation	Mentoring Session	Student Lead Activity	American Society For Mechanical Engineers	12-10-2019 00:00:00	12-10-2019 00:00:00	1	Within Campus	170	0	180	0	350	No		No
35	ASMERISE	Entrepreneurship/Startup, Innovation	Mentoring Session	Student Lead Activity	American Society For Mechanical Engineers	15-02-2020 00:00:00	15-02-2020 00:00:00	1	Within Campus	74	0	0	0	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15180	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	New Product Development and Fuzzy Front-End ideation and innovation frameworks	Innovation	Workshop	KDISC	Govt. Agency (State)	31-05-2019 00:00:00	02-06-2019 00:00:00	3	0	1	1	No	---	---	No	No
2	Recent trends and challenges in Cyber security	Innovation	Workshop	ER and DC IT	Govt. Agency (Central)	12-06-2019 00:00:00	14-06-2019 00:00:00	3	0	2	2	No	---	---	No	No
3	InfyTQ based Foundation Program	Innovation	Training	Vidhya Academy Thrissur	Educational Institute	24-06-2019 00:00:00	29-06-2019 00:00:00	6	0	2	2	No	---	---	No	No
4	Short term Course on Data Analytics	Innovation	Training	IISC Bangalore	Educational Institute	22-07-2019 00:00:00	26-07-2019 00:00:00	5	0	1	1	No	---	---	No	No
5	Orientation session on IIC2.0 and ARIIA 2020	Innovation	Orientation Session	Marian Engineering College, Trivandrum	Govt. Agency (Central)	07-08-2019 00:00:00	07-08-2019 00:00:00	1	0	1	1	No	---	---	No	No
6	IEDC Summit 2019	Entrepreneurship/Start-up	Start-up Conclave	Kerala Startup Mission	Govt. Agency (State)	19-10-2019 00:00:00	19-10-2019 00:00:00	1	10	4	14	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees) 2800	No
7	Workshop on Python	Innovation	Workshop	ICT Academy of Kerala	Govt. Agency (State)	12-12-2019 00:00:00	13-12-2019 00:00:00	2	0	2	2	No	---	---	No	No

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

8	Fifth International Symposium Intelligent Systems Technologies and Applications (ISTA 19)	Innovation	Conference	Indian Institute of Information Technology and Management-Kerala	Educational Institute	18-12-2019 00:00:00	21-12-2019 00:00:00	4	0	1	1	Yes	Best paper award	Improved PSO for optimizing false alert in IDS	No	Award / Position / Recognition Secured	Best paper award	
9	COCONE t 19 International Conference	Innovation	Conference	IIITMK-Kerala	Educational Institute	19-12-2019 00:00:00	19-12-2019 00:00:00	1	0	1	1	No	---	---	No	No	Title of Innovation / Start-up Secured the Award / Recognition	Improved PSO for optimizing false alert in IDS
10	Microprocessor Architecture and Its Implementations	Innovation	Workshop	ER and DC IT	Govt. Agency (Central)	15-02-2020 00:00:00	15-02-2020 00:00:00	1	0	2	2	No	---	---	No	No	Award/Recognition/Achievement Received for	Novel Research Paper/Work
11	Institution Innovation Council (IIC) Ambassador Training Series	Innovation	Training	ACS College of Engineering, Bangalore	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	0	4	4	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	27000	No	
12	Indian region Student Conference	Innovation	Conference	ASCE Indian Region Student Conference	Educational Institute	03-03-2020 00:00:00	06-03-2020 00:00:00	4	6	0	6	No	---	---	No	No		

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Electrical and Electronics Engineering	01-08-2019	22-11-2019	114	Offline	75	40
2	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Mechanical Engineering	01-08-2019	22-11-2019	114	Offline	125	40

3	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Civil Engineering	01-08-2019	22-11-2019	114	Offline	117	40
4	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Electronics and Communication Engineering	01-08-2019	22-11-2019	114	Offline	79	40
5	Design Project	Innovation	Elective/Core Credit Course	Credit Course (Compulsory)	Department of Computer Science and Engineering	01-08-2019	22-11-2019	114	Offline	110	40

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	SDP Python Programming	Innovation	Employment Generation Training Programs	Innovation and Entrepreneurship Development Centre IEDC	23-08-2019	28-08-2019	6	Offline	30	30
2	SDP Programming using Raspberry Pi	Innovation	Employment Generation Training Programs	Innovation and Entrepreneurship Development Centre IEDC	23-08-2019	28-08-2019	6	Offline	30	30

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	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	Arun J S	Electronics and Communication Engineering	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)
2	Anu Susan Philip	Electronics and Communication Engineering	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)
3	Arun J S	Electronics and Communication Engineering	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)
4	Anu Susan Philip	Electronics and Communication Engineering	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)
5	Arun J S	Electronics and Communication Engineering	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
6	Jijo Jose	Electronics and Communication Engineering	Assistant professor			No		No	

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Catalyst	Innovation Club	2013	Co-working Space	Incubation Unit	24	William George	iamwilling25@gmail.com	7902821120

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)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	IEDC Lab Makers space	IEDC	2013	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Arun JS</td> </tr> <tr> <td>Facility Incharge Email</td> <td>arun.js@mbc.et.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9496368197</td> </tr> </table>	Facility Incharge Name	Arun JS	Facility Incharge Email	arun.js@mbc.et.ac.in	Facility Incharge Phone	9496368197	8	No	No	Yes
Facility Incharge Name	Arun JS																
Facility Incharge Email	arun.js@mbc.et.ac.in																
Facility Incharge Phone	9496368197																
				Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
				Institute's Own Fund / Resource		Mar Baselios College of Engineering and Technology		Educational Institute		112885							
2	Dr.APJAbdul Kalam Centre for Innovation, Incubation and Entrepreneurship (ACIIE)	Innovation Centre	2015	Co-working Space	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Arun JS</td> </tr> <tr> <td>Facility Incharge Email</td> <td>arun.js@mbc.et.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9496368197</td> </tr> </table>	Facility Incharge Name	Arun JS	Facility Incharge Email	arun.js@mbc.et.ac.in	Facility Incharge Phone	9496368197	3	No	No	No
Facility Incharge Name	Arun JS																
Facility Incharge Email	arun.js@mbc.et.ac.in																
Facility Incharge Phone	9496368197																

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

No Data Filled!

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data Filled!

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filled!

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Arun J S	Assistant professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Luggo		Within	
2	Jijo Jose	Assistant professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	National Innovation Contest		Outside	

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Filled!

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype /Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
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1	Disposafe	Product Innovation	Technological	Catalyst Mar Baseliros IEDC	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	Agency Name	Startup Yatra	No	No	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	Best Startup in social sector (Third Prize)				
	Name		Type			Gender			Email			Contact		
	Arun J. S		Faculty			Male			arun.js@mbcet.ac.in			9496368197		
Name		Type			Gender			Email			Contact			
Akhila B Chandran		Student			Female			-			-			
Nowrin N		Student			Female			-			-			
Narayan		Student			Male			-			-			
Haleema Manzoor		Student			Female			-			-			
2	Performance Evaluation of Ultra-thin White Topping Overlays	Process Innovation	Technological	Computational software facility and experimental setup	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs	300000	No	No
	Name		Type			Gender			Email			Contact		
	Dr. Jisha S. V.		Faculty			Female			jisha.sv@mbcet.ac.in			9847070349		
Name		Type			Gender			Email			Contact			
Dr. M. Satyakumar		Faculty			Male			satya.kumar@mbcet.ac.in			9847223294			
3	IoT Enabled Solar Street Lighting System	Product Innovation	Technological	Power Electronics Lab	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs	43300	No	No
	Name		Type			Gender			Email			Contact		
Ms. Divya N A		Faculty			Female			nadivya.eee@gmail.com			9495424393			

Name		Type			Gender			Email			Contact			
Sujith Sumanan		Student			Male			iamsujith97@gmail.com			9400671122			
Lekshmi S Niar		Student			Female			-			-			
Reenu Mary R.		Student			Female			-			-			
Devu T.S.		Student			Female			-			-			
4	Wireless Powering for PC Systems using Inductive Interface	Product Innovation	Technological	PG Software Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	
	Name		Type			Gender			Email			Contact		
	Ms. Sheenu P		Faculty			Female			sheenu.p@mbcet.ac.in			9895121000		
	Name		Type			Gender			Email			Contact		
	Ashwini Kammath		Student			Female			ashwinikamath@gmail.com			8547125916		
	Daniel Mathews John		Student			Male			-			-		
	Diya Santha D R		Student			Female			-			-		
	Gowtham K Sajith		Student			Male			-			-		
	5	SMART BOOK PICKING ROBOT FOR LIBRARY ASSISTANCE	Product Innovation	Technological	System & Control Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
		Name		Type			Gender			Email			Contact	
Dr. Nisha G. K.		Faculty			Female			nisha.gk@mbcet.ac.in			9495340629			
Name		Type			Gender			Email			Contact			
Varsha M.		Student			Female			305mvarsha@gmail.com			8891107651			
6	Portable Brain computer interface for medical applications	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	Grant Amount in Rs	32500	No	No

Name	Type	Gender	Email	Contact
Dr.Jayakumari J	Faculty	Female	jayakumari.j@mbcet.ac.in	9442408881
Name	Type	Gender	Email	Contact
Daniel C	Student	Male	danielstars98@gmail.com	6282562059
Rohit Satheesan	Student	Male	-	-
-	Student	Male	-	-
Sandra Jeeva	Student	Female	-	-

7

Footslog	Product Innovation	Technological	Project Lab	Student	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	Agency Name	1. Kerala Start up Mission 2. College of Engineering Trivandrum 3. Government engineering college Barton Hill 4, UKF College of Engineering, Kollam. 5. Mar Baselios College of	No	No	No	No
								Agency Type	Govt. Agency (State)				
								Award / Position / Recognition Secured	1. finalist Boot camp 2. 1st prize project exhibition 3. 1st prize Tech fest 4. 1st prize Tech fest 5. 2nd prize Techfest Uthbhav 2019				

Name	Type	Gender	Email	Contact
Mr. Arvind P.	Faculty	Male	arvind.p@mbcet.ac.in	9995055595

Name		Type				Gender			Email			Contact		
Nigel Varghese		Student				Male			-			-		
Rithin Raju		Student				Male			-			-		
-		Student				Male			-			-		
-		Student				Male			-			-		
8	Virtual Interactive Reality Telepresence Robot	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No	
	Name		Type				Gender			Email			Contact	
	Ms.Ann Mary Alex		Faculty				Female			ann.alex@mbcet.ac.in			9446187216	
	Name		Type				Gender			Email			Contact	
	Nandagopal Harrikrishnan		Student				Male			-			-	
	-		Student				Female			-			-	
	-		Student				Male			vishnucvktada18@gmail.com			7994705405	
	-		Student				Female			-			-	
	9	MEDINAV	Product Innovation	Technological	Project Lab	Student	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
		Name		Type				Gender			Email			Contact
Ms.Teena Rajan		Faculty				Female			teena.rajan@mbcet.ac.in			9447088924		
Name		Type				Gender			Email			Contact		
AKHIL M		Student				Male			-			-		
-		Student				Female			-			-		
ROYCE THOMAS IYPE		Student				Male			roycethomasiype@gmail.com			9446267070		
-		Student				Male			-			-		

10	AUTOMATED PESTICIDE SPRINKLER	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Mr. Arvind P.		Faculty			Male		arvind.p@mbcet.ac.in			9995055595		
	Name		Type			Gender		Email			Contact		
	A. Anwar		Student			Male		-			-		
Abraham Isac		Student			Male		-			-			
George Koshy		Student			Male		-			-			
Nithin Sohan		Student			Male		-			-			
11	DESIGN AND FABRICATION OF MOTORIZED TRICYCLE FOR PEOPLE WITH WEAK TORSO	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Mr. Pradeep M.		Faculty			Male		pradeep.m@mbcet.ac.in			9447696401		
	Name		Type			Gender		Email			Contact		
	Jerlin Thomas Saji		Student			Male		-			-		
-		Student			Male		-			-			
Jacob Saji George, Jayasekharan Nair		Student			Male		-			-			
Jayasekharan Nair		Student			Male		-			9400767859			
12	Semi-Automated Medicine Dispenser	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
Dr. Nidhi M.B.		Faculty			Female		nidhi.mb@mbcet.ac.in			9447205900			

Name	Type	Gender	Email	Contact
-	Student	Male	-	-
-	Student	Male	-	-
Vishnubhadran B	Student	Male	-	-
-	Student	Male	-	-

13	BRAIN TUMOR SEGMENTATION USING CONVOLUTIONAL NEURAL NETWORK	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr.Jesna Mohan	Faculty	Female	jesna.mohan@mbcet.ac.in	9497467715

Name	Type	Gender	Email	Contact
Vishak Sunil	Student	Male	-	80756027
Rohith Vijayakumar	Student	Male	-	-
Vishnu S Nambiar	Student	Male	-	-
Tarun Samuel	Student	Male	-	-

14	MUSIC CIPHER	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Ms.Divya R S	Faculty	Female	divya.rs@mbcet.ac.in	9496177756

Name	Type	Gender	Email	Contact
REMAN KRISHNAN	Student	Male	-	-
RYAN ISAAC THOMAS	Student	Male	-	-
AKSHAY D S	Student	Male	-	-
VARSHA SUNIL KRISHNA	Student	Female	-	-

15	AR MANUALS	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No	
Name		Type			Gender			Email			Contact			
Dr.Jisha John		Faculty			Female			jisha.john@mbcet.ac.in			9895493468			
Name		Type			Gender			Email			Contact			
ATHUL C K		Student			Male			athulck@gmail.com			-			
ROHIT JAYAN		Student			Male			-			-			
AMAL SAJU KALARICKAL		Student			Male			-			-			
16	Current leakage identification system with Electricity bill payment	Product Innovation	Technological	Power Electronics Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	No	No	No	
Name		Type			Gender			Email			Contact			
Ms. Manju Ann Mathews		Faculty			Female			manju.mathews@mbcet.ac.in			8086267810			
Name		Type			Gender			Email			Contact			
Aneeth M		Student			Male			aneeth.manikantan@gmail.com			9495164610			
17	DYNAMIC ORTHOTIC FOR SPASTIC HANDS	Product Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Development Completed	Agency Name	IIT Madras, IISC Bangalor e	No	No	No	No
									Agency Type	Educatio nal Institute				
									Award / Position / Recognitio n Secured	Conferen ce Paper Presenta tion				
Name		Type			Gender			Email			Contact			
Dr. Premchand V.P.		Faculty			Male			premchand.vp@mbcet.ac.in			9447711869			

Name	Type	Gender	Email	Contact
Abhijith R.V.	Student	Male	-	-
-	Student	Male	-	-
-	Student	Male	-	-
-	Student	Male	-	-

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

No Data Filled!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filled!

List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Filled!

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data Filled!

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Filled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filled!

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.

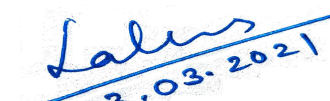
Thank you

The Head of Institute


23/03/2021
Dr. Abraham T. Mathew
Principal
Mar Basillios College of
Engineering & Technology
(Autonomous)
Mar Ivanios Vidyasagar
Thiruvananthapuram-695 015

Dr. Abraham T Mathew
Head of the Institution,
Trivandrum, Kerala

Nodal officer


23.03.2021

Ms. Lakshmy S
Nodal Officer,
Trivandrum, Kerala