Verification 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 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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	481	32	11	Approved									
2	Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	340	24	13	Approved									
3	Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	457	32	12	Approved									
4	Department of Computer Science Engineering	Academic Department with lab facility	Computer Science Engineering	UG / PG / PhD	Technical	486	28	5	Approved									
5	Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics & Communication Engineering	UG / PG / PhD	Technical	395	30	10	Approved									
6	Department of Science and Humanities	Academic Department with lab facility	Science and Humanities	UG / PG / PhD	Non-Technical	0	16	3	Approved									
7	Catalyst Mar Baselios IEDC	Pre-incubation unit	Multidisciplinary	Not Allowed	Not Allowed	0	0	0	Approved									

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

8	APJ Abdul Kalam Centre for Innovation Incubation and Entrepreneurship	Incubation Unit	Multidisciplinary	Not Allowed	Not Allowed	0	0	0	Approved									

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

Programs/Initiatives	Status	Registration ID	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required	Approved									
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201811311	Approved									
Trained Innovation Ambassadors at HEI	YES	Not Required	Approved									
Participation in Smart India Hackathon (SIH)	Yes	Not Required	Approved									
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required	Approved									
Participation in National Education Alliance of Technology (NEAT)	No	Not Required	Approved									

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2500	No	Approved									

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Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
2	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	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No	Approved									
3	REL Event 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	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 1532	No	Approved									

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
4	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	Approved								
5	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	Award / Position / Recognition Secured: Funding Support; Title of Innovation / Start-up Secured the Award / Recognition: Walker Chair; Award/Recognition/Achievement Received for	Approved								

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Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
6	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	Approved									
7	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	Approved									

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
8	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	Approved									
9	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	Approved									

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Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
10	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	Approved									
11	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	Approved									

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
12	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	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No	Approved									
13	USTD3Code 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	Approved									

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
14	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	Approved									
15	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	Approved									

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
16	Inceptra 2019	Entrepreneurship/Startup, Innovation	Bootcamp	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	Approved									
17	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	Approved									

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Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
18	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	Approved									
19	Unity 3D	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	Approved									
20	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	Approved									

Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
21	TRY DAN - 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	Approved									
22	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	Approved									
23	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	Approved									
24	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	Approved									

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Sr no	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
25	IGNIET 2020	Innovation	Motivational speak	Institute Lead Activity	Department of Electrical and Electronics Engineering	29-02-2020 00:00:0	29-02-2020 00:00:0	1	Within Campus	39	0	0	0	39	No	No	Approved									
26	PATW College Heats	Innovation	Innovation Contest	Institute Lead Activity	Department of Electrical and Electronics Engineering	07-03-2020 00:00:0	07-03-2020 00:00:0	1	Within Campus	18	0	0	0	18	No	No	Approved									
27	American Society for Mechanical Engineers E-FX	Innovation	Mentoring Session	Student Lead Activity	American Society For Mechanical Engineers	12-10-2019 00:00:0	12-10-2019 00:00:0	1	Within Campus	170	0	180	0	350	No	No	Approved									
28	ASMERISE	Entrepreneurship/Startup, Innovation	Mentoring Session	Student Lead Activity	American Society For Mechanical Engineers	15-02-2020 00:00:0	15-02-2020 00:00:0	1	Within Campus	74	0	0	0	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15180	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	Approved									
2	Recent trends and challenges in Cyber security	Innovation	Workshop	ER and DCIT	Govt. Agency (Central)	12-06-2019 00:00:00	14-06-2019 00:00:00	3	0	2	2	No	---	---	No	No	Approved									
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	Approved									
4	Short term Course on Data Analytics	Innovation	Training	IISC Banglore	Educational Institute	22-07-2019 00:00:00	26-07-2019 00:00:00	5	0	1	1	No	---	---	No	No	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	Approved									
6	IEDC Summit 2019	Entrepreneurship/Startup	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	---	---	TotalTotal Expense Amount Incurred by Institute ? (In Rupees) 2800	No	Approved									
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	Approved									

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

Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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 awrard	Improved PSO for optimizing false alert in IDS	No	<table><tr><td>Award / Position / Recognition Secured</td><td>Best paper awrard</td></tr><tr><td>Title of Innovation / Start-up Secured the Award / Recognition</td><td>Improved PSO for optimizing false alert in IDS</td></tr><tr><td>Award/ Recognition/Achievement Received for</td><td>Novel Research Paper /Work</td></tr></table>	Approved									
9	COCONet 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	Approved									
10	Microprocessor Architecture and Its Implementations	Innovation	Workshop	ER and DCIT	Govt. Agency (Central)	15-02-2020 00:00:00	15-02-2020 00:00:00	1	0	2	2	No	---	---	No	No	Approved									

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Sr no	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 27000	No	Approved									

Section 2 > i : 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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	Approved									
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	Approved									
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	Approved									

Srno	Title	Program Theme	Type of Course	Course Offering Dept	Start Date	End Date	Duration	Mode of Delivery	Total Participants	Contact Hours	Status Phase-1	...
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	Approved
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	Approved

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)

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)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	Approved									
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	Approved									

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	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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Arun J S	Electronics and Communication Engineering	Assistant professor	No	Yes	Approved									

		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
2	Anu Susan Philip	Electronics and Communication Engineering	Assistant professor	No	Yes	Approved					
		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
3	Arun J S	Electronics and Communication Engineering	Assistant professor	No	Yes	Approved					
		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
4	Anu Susan Philip	Electronics and Communication Engineering	Assistant professor	No	Yes	Approved					
		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
5	Arun J S	Electronics and Communication Engineering	Assistant professor	No	Yes	Approved					
		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	Approved					

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

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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Catalyst	Innovation Club	2013	Co-working Space	Incubation Unit	24	William George	iamwilling25@gmail.com	7902821120	Approved									

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)

Srno	Name of Pre-	Type of	Year of	Type of	Pre-Incubati	Name of the	Facility Details	Total Nos of Dedicated	Had the Pre-Incubation	Had institute Generated	Had institute spent expenses either	Status Phase	Reason	Comment	Document	Remarks	Status Phase	Reason	Comment	Document	Remarks

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)

	Incubation Centre	Facility	Establishment	Facilities Available at the Centre	on with Access to Other I&E Facilities at the HEI	Funding Schemes Available with Pre-Incubation Unit, if any (Optional)			Executive/Management team Strength Engaged at the Facility	Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Income either from Services Offered by Pre-Incubation Centre/Facilities?	from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?	-1	Phase-1	Phase-1	Phase-1	Phase-1	-2	Phase-2	Phase-2	Phase-2	Phase-2
1	IEDC Lab Makers space	IEDC	2013	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Incubation Unit	Incubation Unit	Facility Incharge Name	Arun J S	8	No	No	Yes	Approved									
							Facility Incharge Email	arun.js@mbcet.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

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)

2	Dr.APJAbdul Kalam Centre for Innovation, Incubation and Entreprenurship (ACIIE)	Innovation Centre	2015	Co-working Space	Incubation Unit	Incubation Unit	Facility Incharge Name	Arun J S	3	No	No	No	Approved						
							Facility Incharge Email	arun.js@mbcet.ac.in											
							Facility Incharge Phone	9496368197											

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 FIled!

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

No Data FIled!

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

No Data FIled!

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

No Data FIled!

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

Sr no	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Arun J S	Assistant professor	Idea/Innovation Development	5	Approved									
	Name of Idea/Innovation/ Startup Mentored				Mentoring Setup [Within (or) Outside] HEI					CIN (in case it is Startup)				
	Luggo				Within									

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

2	Jijo Jose	Assistant professor	Idea/Innovation Development	2	Approved								
	Name of Idea/Innovation/ Startup Mentored				Mentoring Setup [Within (or) Outside] HEI				CIN (in case it is Startup)				
	National Innovation Contest				Outside								

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

No Data FIled!

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

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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2

| 1 | Disposafe | Product Innovation | Technological | Catalyst Mar Baselios 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: StartupYatra; Agency Type: Govt. Agency (Central); Award/Position/Recognition Secured: Best Startup in social sector (Third Prize) | No | No | No | No | Approved |

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	Approved									

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	Approved							

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	Wirelsess 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	Approved								

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	-	-

#	Title	Innovation Type	Category	Lab	Owner	TRL (Current)	TRL (Target)	Stage							Status							
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		Approved							

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

#	Title	Innovation Type	Category	Lab	Owner	TRL (Current)	TRL (Target)	Stage		Grant Amount in Rs				Status							
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	32500	No	No	Approved							

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 | | No | No | | No | | No | | Approved | | | | | | | | |

Agency Name
1. Kerala Startup Mission 2. College of Engineering Trivandrum 3. Government engineering college B

Agency Type	
Govt. Agency (State)	arton Hill 4; UKF College of Engineering; Kollam. 5. Mar Baselios College of

Award/Position/Recognition Secured	
1. finalist Bootcamp 2. 1st prize project exhibition 3. 1st prize Techfest 4. 1st prize Techfest 5. 2n	

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	Approved

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	vishnucvktda18@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	Approved							

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	Approved										

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	-	-

1 1	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	Approved								

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	Approved								

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	Approved									

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	Approved								

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 environment ("ugly" prototype). | Innovation Development Completed | No | No | No | No | No | Approved | | | | | | | | |

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 | Approved | | | | | | | | |

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 environment ("ugly" prototype).	Innovation Development Completed	AgencyName	IIT Madras , IISC Bangalore	No	No	No	No	Approved								
									AgencyType	Educational Institute													
									Award/Position/RecognitionSecured	ConferencePaperPresentation													

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	-	-

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

No Data Flled!

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

No Data Flled!

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. 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.
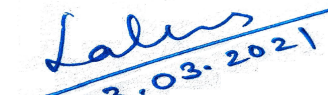
Thank you

The Head of Institute	Nodal officer
Dr. Abraham T Mathew Head of the Institution, Trivandrum, Kerala	Ms. Lakshmy S Nodal Officer, Trivandrum, Kerala