



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: SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR [ARI-C-43606]

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 Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	420	26	9
Department of Biotechnology and Biochemical Engineering	Academic Department with lab facility	Biotechnology and Biochemical Engineering	UG / PG / PhD	Technical	140	10	3
Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	233	13	4
Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	107	10	3
Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	94	11	3
Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	289	15	4
Center for Innovation and Research- SBCE (CIR-SBCE)	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	1283	85	26
Center for Innovation and Research- ME (CIR-ME)	Research Unit / Park	Mechanical Engineering	UG / PG / PhD	Technical	420	26	9
Center for Innovation and Research- CE (CIR-CE)	Research Unit / Park	Civil Engineering	UG / PG / PhD	Technical	289	15	4
Innovation and Entrepreneurship Development Centre (IEDC)	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	1283	85	26
IPR Cell SBCE	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Multidisciplinary	UG / PG / PhD	Technical	1283	85	26
Industry Institute Interaction Cell (IIIC)	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	1283	85	26
Sree Buddha Incubation Center (SBIC)	Incubation Unit	Multidisciplinary	UG / PG / PhD	Both	1283	85	26
Mathematics and Basic Sciences	Academic Department with lab facility	Mathematics and Basic Sciences	UG / PG / PhD	Technical	727	11	1

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201811446
Trained Innovation Ambassadors at HEI	No	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	No	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 (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?
1	Challenges in Biopolymer Production	Innovation	Workshop	Institute Lead Activity	Department of Biotechnology and Biochemical Engineering	28-10-2019 00:00:00	28-10-2019 00:00:00	1	Within Campus	140	10	0	0	150	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3500	No
2	National Pollution Prevention Day	Innovation	Awareness	Institute Lead Activity	Department of Biotechnology and Biochemical Engineering	02-11-2019 00:00:00	02-11-2019 00:00:00	1	Within Campus	65	9	0	0	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000	No
3	TWO DAY WORKS HOP ON INNOVATION LEADERSHIP AND CREATIVITY	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Innovation and Entrepreneurship Development Club	26-04-2019 00:00:00	27-04-2019 00:00:00	2	Within Campus	25	2	0	0	27	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 21610	No
4	TWO DAY WORKS HOP ON FOUNDATION SKILLS ON ENTREPRENEURSHIP	Entrepreneurship/Startup	Workshop	Institute Lead Activity	INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CLUB	21-08-2019 00:00:00	22-08-2019 00:00:00	2	Within Campus	23	1	4	0	28	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 6690	No

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

5	PROBLEM SOLVING THROUGH PYTHON	Entrepreneurship/Startup	Skill development	Institute Lead Activity	INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CLUB	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	35	3	0	0	38	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6800	No						
6	MOBILE APP DEVELOPMENT USING FLUTTER	Entrepreneurship/Startup	Skill development	Student Lead Activity	DEPARTMENT OF COMPUTER SCIENCE AND ENGG ALONG WITH ICFOSS	28-10-2019 00:00:00	28-10-2019 00:00:00	1	Within Campus	35	0	0	0	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13577	No						
7	A PEEK INTO THE WORLD OF IoT, DATA SCIENCE AND AI	Innovation	Awareness	Student Lead Activity	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING	07-08-2019 00:00:00	07-08-2019 00:00:00	1	Within Campus	123	8	0	0	131	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6500	No						
8	Recent Advances in Mechanical Engineering (RAME 2019)	Innovation	Conference	Institute Lead Activity	Department of Mechanical Engineering	18-06-2019 00:00:00	18-06-2019 00:00:00	1	Within Campus	51	23	76	9	159	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Paper award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Roofing Sheets Using Biomaterial</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	Best Paper award	Title of Innovation / Start-up Secured the Award / Recognition	Roofing Sheets Using Biomaterial	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	Best Paper award																						
Title of Innovation / Start-up Secured the Award / Recognition	Roofing Sheets Using Biomaterial																						
Award/Recognition/Achievement Received for	Novel Research Paper/Work																						
9	Technology and Innovation	Innovation	Awareness	Institute Lead Activity	Department of Mechanical Engineering	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Outside Campus	0	2	50	10	62	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No						
10	Student conventions programmes of SAE	Innovation	Innovation Contest	Institute Lead Activity	Department of Mechanical Engineering	14-01-2020 00:00:00	14-01-2020 00:00:00	1	Within Campus	20	3	0	0	23	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No						

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

11	Role of electronics and software in automotive advancement	Innovation	Motivational speak	Institute Lead Activity	Department of Mechanical Engineering	03-03-2020 00:00:00	03-03-2020 00:00:00	1	Within Campus	50	20	0	0	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No						
12	ANSYS	Innovation	Workshop	Institute Lead Activity	Department of Mechanical Engineering	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	120	6	0	0	126	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No						
13	Bioentrepreneurship- Opportunities and Challenges	Entrepreneurship/Startup	Motivational speak	Student Lead Activity	Department of Biotechnology and Biochemical Engineering	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Within Campus	98	7	0	0	105	No	No							
14	Time T4 Travel 2020-	Innovation	Innovation Contest	Student Lead Activity	Department of Biotechnology and Biochemical Engineering	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	10	5	0	0	15	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000.00	No						
15	Robotic Design and Product Development	Innovation	Workshop	Student Lead Activity	Department of Electronics and Communication Engineering	25-10-2019 00:00:00	26-10-2019 00:00:00	2	Within Campus	60	0	11	0	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	29000	No						
16	Shastra 2019	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics and Communication Engineering	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	0	0	40	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	38000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First and second prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>2D plotter from waste materials</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	First and second prize	Title of Innovation / Start-up Secured the Award / Recognition	2D plotter from waste materials	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	First and second prize																						
Title of Innovation / Start-up Secured the Award / Recognition	2D plotter from waste materials																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						

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

17	Introductory workshop in Arduino and Sensors	Innovation	Skill development	Institute Lead Activity	Department of Electronics and Communication Engineering	06-01-2020 00:00:00	08-01-2020 00:00:00	3	Within Campus	30	0	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	17000	No
18	IEE AWARENESS PROGRAMME	Innovation	Awareness	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	52	1	0	0	53	No		No
19	PES QUIZ 2019	Innovation	Skill development	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	70	5	0	0	75	No		No
20	KNOW YOUR BRANCH BE A STEP AHEAD	Innovation	Awareness	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	09-01-2020 00:00:00	10-01-2020 00:00:00	2	Within Campus	12	8	0	0	20	No		No
21	POWER QUIZ	Innovation	Awareness	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	90	1	0	0	91	No		No
22	ELECTRIC VEHICLES FOR SUSTAINABLE ENVIRONMENT	Innovation	Awareness	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Within Campus	75	1	0	0	76	No		No
23	AUTOCAD-ELECTRICAL SOFTWARE	Innovation	Skill development	Institute Lead Activity	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Within Campus	15	1	0	0	16	No		No

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

24	Recent trends in Civil Engineering	Innovation	Seminar	Institute Lead Activity	Department of Civil Engineering	21-10-2019 00:00:00	21-10-2019 00:00:00	1	Within Campus	290	15	0	0	305	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	18000	No						
25	Future Fit # 3: Towards a new philosophy of construction	Innovation	Mentoring Session	Institute Lead Activity	Department of Civil Engineering	15-11-2019 00:00:00	15-11-2019 00:00:00	1	Within Campus	171	15	0	0	186	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	22000	No						
26	Revit software training	Innovation	Workshop	Institute Lead Activity	Center for Innovation and Research, CE	13-02-2020 00:00:00	14-02-2020 00:00:00	2	Within Campus	66	15	0	0	81	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	22000	No						
27	Fundamentals of Structural Analysis	Innovation	Seminar	Institute Lead Activity	Department of Civil Engineering	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	55	15	0	0	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
28	Innovative technologies in Computing, Embedded and power engineering	Innovation	Conference	Institute Lead Activity	Department of Electronics and Communication	08-05-2019 00:00:00	09-05-2019 00:00:00	2	Within Campus	20	3	5	2	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No						
29	Recent Advances in Mechanical Engineering (RAME 2019)	Innovation	Conference	Institute Lead Activity	Department of Mechanical Engineering	18-06-2019 00:00:00	18-06-2019 00:00:00	1	Within Campus	51	23	76	9	159	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Paper Award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Design and Development of an Automatic Ironing Machine</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	Best Paper Award	Title of Innovation / Start-up Secured the Award / Recognition	Design and Development of an Automatic Ironing Machine	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	Best Paper Award																						
Title of Innovation / Start-up Secured the Award / Recognition	Design and Development of an Automatic Ironing Machine																						
Award/Recognition/Achievement Received for	Novel Research Paper/Work																						

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	Current trend in surface modification process of Bio-implants and FEA application in orthopedics	Innovation	Workshop	Muthayammal Engineering College, Nammakal, Tamil Nadu	Educational Institute	04-11-2019 00:00:00	06-11-2019 00:00:00	3	0	2	2	No	---	---	No	No
2	Recent advances in composite materials	Innovation	Skill development	Vidya Academy of Science and Technology Technical Campus, Kilimanoor, Kerala	Educational Institute	16-12-2019 00:00:00	18-12-2019 00:00:00	3	0	3	3	No	---	---	No	No
3	Nanotechnology to Nano Tribology	Innovation	Skill development	Government Engineering College, Kozhikode	Educational Institute	06-01-2020 00:00:00	11-01-2020 00:00:00	6	0	2	2	No	---	---	No	No
4	Industrial Automation	Innovation	Skill development	College of Engineering, Trivandrum	Educational Institute	30-12-2019 00:00:00	04-01-2020 00:00:00	6	0	5	5	No	---	---	No	No
5	Teaching learning process	Innovation	Skill development	Malabar Institute of Technology, Kannur	Educational Institute	30-12-2019 00:00:00	01-01-2020 00:00:00	3	0	1	1	No	---	---	No	No
6	NBA accreditation	Innovation	Workshop	Marian Management Institute, Peerumde, Kerala	Educational Institute	06-02-2020 00:00:00	06-02-2020 00:00:00	1	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

7	Reboot Kerala Hackathon	Innovation	Hackathon	Department of Higher Education, Kerala	Govt. Agency (State)	28-02-2020 00:00:00	01-03-2020 00:00:00	3	12	0	12	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	9600	No						
8	ICTAK Techathon	Innovation	Innovation Contest	ICT Academy of Kerala	Govt. Agency (State)	05-03-2020 00:00:00	06-03-2020 00:00:00	2	4	1	5	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	5000	No						
9	Project EXERGY 2020	Innovation	Innovation Contest	College of Applied Science Adoor	Educational Institute	10-02-2020 00:00:00	10-02-2020 00:00:00	1	2	0	2	Yes	First	Speak Up App	Total Total Expense Amount Incurred by Institute? (In Rupees)	1800	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Speak Up App</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Speak Up App	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	First																						
Title of Innovation / Start-up Secured the Award / Recognition	Speak Up App																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
10	Project EXERGY 2020	Innovation	Innovation Contest	College of Applied Science Adoor	Educational Institute	10-02-2020 00:00:00	10-02-2020 00:00:00	1	2	0	2	Yes	Second prize	Mr. Saver (Hardware)	Total Total Expense Amount Incurred by Institute? (In Rupees)	1800	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Second prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Mr. Saver (Hardware)</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Second prize	Title of Innovation / Start-up Secured the Award / Recognition	Mr. Saver (Hardware)	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Second prize																						
Title of Innovation / Start-up Secured the Award / Recognition	Mr. Saver (Hardware)																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
11	Young innovators Meet Facilitators Workshop	Entrepreneurship/Startup	Skill development	ICT Academy Kerala	Govt. Agency (State)	02-12-2019 00:00:00	03-12-2019 00:00:00	2	0	1	1	No	---	---	No	No							
12	KPIT Sparkle 2020	Entrepreneurship/Startup	Innovation Contest	KPIT	Corporate / Industry Association	25-11-2019 00:00:00	25-11-2019 00:00:00	1	4	0	4	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	8000	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

13	KTU NSS Cell Project Competition	Innovation	Innovation Contest	Kerala Technological University	Govt. Agency (State)	21-06-2019 00:00:00	21-06-2019 00:00:00	1	4	0	4	No	---	---	No	No			
14	Young Innovators Program 2019	Entrepreneurship/Startup	Innovation Contest	Kerala Development and Innovation Strategic Council	Govt. Agency (State)	02-11-2019 00:00:00	02-11-2019 00:00:00	1	8	0	8	No	---	---	No	No			
15	iBETO 2019	Innovation	Innovation Contest	Model Engineering college Kochi	Educational Institute	02-11-2019 00:00:00	02-11-2019 00:00:00	1	5	0	5	No	---	---	No	No			
16	Hack Camp	Innovation	Hackathon	Hack Club	Corporate / Industry Association	08-02-2020 00:00:00	08-02-2020 00:00:00	1	8	0	8	No	---	---	No	No			
17	Hakuna Matata	Innovation	Ideation	Sri Sairam Engineering College	Educational Institute	20-09-2019 00:00:00	21-09-2019 00:00:00	2	4	0	4	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>2000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	2000	No
Total Total Expense Amount Incurred by Institute? (In Rupees)	2000																		
18	Github and Latex	Innovation	Skill development	Sree Ayyappa College and ICFOSS	Educational Institute	10-01-2020 00:00:00	11-01-2020 00:00:00	2	2	0	2	No	---	---	No	No			
19	Five day FDP on Computer Programming in C	Innovation	Workshop	Sree Buddha College of Engineering, pattoor, Alappuzha	Educational Institute	16-12-2019 00:00:00	20-12-2019 00:00:00	5	0	2	2	No	---	---	No	No			
20	NPTEL Online certification	Innovation	Awareness	IIT Kharagpur	Govt. Agency (Central)	01-07-2019 00:00:00	31-10-2019 00:00:00	12	0	1	1	No	---	---	No	No			
21	Water Thoughts - A journey through water builtscapes	Innovation	Training	TKM COLLEGE OF ENGINEERING, KOLLAM, KERALA	Educational Institute	15-07-2019 00:00:00	19-07-2019 00:00:00	5	0	1	1	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

22	AICTE Quality Initiatives, National Initiatives for Technical Teachers Training and NEAT	Innovation	Training	AICTE, MINISTRY OF HRD	Govt. Agency (Central)	06-03-2020 00:00:00	06-03-2020 00:00:00	1	0	1	1	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	Marketing management	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-08-2019	31-12-2019	153	Offline	60	45
2	Automobile Engineering	Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-01-2020	25-05-2020	146	Offline	60	45
3	Micro and nano manufacturing systems	Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-01-2020	25-05-2020	146	Offline	60	45
4	Project	Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-08-2019	25-05-2020	299	Offline	120	80
5	Design Project	Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-08-2019	31-12-2019	153	Offline	82	45
6	Design Engineering	IPR, Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-01-2020	25-05-2020	146	Offline	82	45
7	Research methodology	Innovation	Elective/Core Credit Course	Master	Department of Mechanical Engineering	01-08-2019	31-12-2019	153	Offline	1	45
8	Sustainable energy processes	Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-01-2020	25-05-2020	146	Offline	60	45
9	Project	Innovation	Elective/Core Credit Course	Bachelor	Department of Biotechnology and Biochemical Engineering	16-12-2019	10-08-2020	239	Offline	34	50

10	Design project	Innovation	Elective/Core Credit Course	Bachelor	Department of Biotechnology and Biochemical Engineering	01-08-2019	31-12-2019	153	Offline	29	45
11	Principles of Management	IPR, Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Computer Science and Engineering	03-01-2019	19-04-2019	107	Offline	60	60
12	Design Project	Innovation	Elective/Core Credit Course	Bachelor	Department of Computer Science and Engineering	01-08-2019	31-12-2019	153	Offline	75	60
13	Business Economics	IPR	Elective/Core Credit Course	Bachelor	Department of Computer Science and Engineering	01-08-2019	31-12-2019	153	Online	47	60
14	Life Skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Computer Science and Engineering	01-08-2019	31-12-2019	153	Online	64	45
15	Project	Innovation	Elective/Core Credit Course	Bachelor	Department of Computer Science and Engineering	31-12-2019	20-05-2020	142	Offline	60	35
16	Energy Management and Auditing	Innovation	Elective/Core Credit Course	Bachelor	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	13-02-2020	26-06-2020	135	Offline	28	45
17	Power Quality	Innovation	Elective/Core Credit Course	Bachelor	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	19-08-2019	29-11-2019	103	Offline	28	45
18	Civil Engineering Drafting	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-09-2019	15-12-2019	106	Offline	55	70
19	Advanced Concrete Technology	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	15-12-2019	137	Offline	46	45
20	Environment Impact and Assessment	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	29	45
21	Design of Steel structures	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	66	70
22	Highway Pavement Design	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	37	70
23	Advanced Foundation Engineering	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	14	45
24	Design project	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	66	45
25	Life skills	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	55	70

26	Business Economics	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	16-12-2019	138	Offline	55	50
27	Principles of Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Civil Department	13-01-2020	30-06-2020	170	Offline	66	70
28	Advanced Theory and Design of Reinforced Concrete Structures	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	16-12-2019	138	Offline	14	55
29	Research Methodology	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	16-12-2019	138	Offline	14	60
30	Advanced Metal Structures	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	16-12-2019	138	Offline	14	60
31	Experimental Methods and Instrumentation	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	16-12-2019	138	Offline	14	60
32	Forensic Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Online	14	50
33	Municipal Solid waste management	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	13-01-2020	30-07-2020	200	Online	48	60
34	Town and Country planning	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	13-01-2020	30-07-2020	200	Online	18	50
35	Project	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	01-08-2019	25-05-2020	299	Offline	66	140
36	MINI PROJECT	Innovation	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Offline	14	60
37	Thesis	Innovation	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Offline	24	70
38	Design of Hydraulic structures	Innovation	Elective/Core Credit Course	Bachelor	Civil Department	13-01-2020	30-07-2020	200	Online	66	60
39	Theory and Design of Plates and Shells	Innovation	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Online	14	50
40	Theory and design of plate and shells	Innovation	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Offline	14	50
41	Advanced Design of Substructures	Innovation	Elective/Core Credit Course	Master	Civil Department	13-01-2020	30-07-2020	200	Offline	14	50
42	High Rise Structures	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	15-12-2019	137	Offline	24	50
43	Sustainable Construction	Innovation	Elective/Core Credit Course	Master	Civil Department	01-08-2019	15-12-2019	137	Offline	24	50
44	Life Skills	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Department of Mechanical Engineering	01-08-2019	31-12-2020	519	Offline	82	45

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	Advanced Material Processing Technologies	Innovation	FDP in I&E / IPR	Department of Mechanical Engineering	08-07-2019	12-07-2019	5	Offline	30	35
2	Mathematics for Engineering research	Innovation	FDP in I&E / IPR	Mathematics and Basic Sciences	10-08-2020	14-08-2020	5	Online	121	35
3	Futuristic research areas in Mechanical Engineering	Innovation	FDP in I&E / IPR	Department of Mechanical Engineering	21-07-2020	25-07-2020	5	Online	51	35
4	Current Environmental Impacts and Sustainable Research Solutions	Innovation	FDP in I&E / IPR	Department of Biotechnology and Biochemical Engineering	21-07-2020	27-07-2020	7	Online	72	35
5	Research Methodology and Scientific Writing	IPR	FDP in I&E / IPR	IQAC	29-06-2020	02-07-2020	4	Online	168	35
6	Emerging Trends in Information Technology	Innovation	FDP in I&E / IPR	Department of Computer Science and Engineering	13-07-2020	17-07-2020	5	Online	102	30
7	FACULTY DEVELOPMENT PROGRAMME ON COMPUTER PROGRAMMING IN C	Innovation	Employment Generation Training Programs	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING	16-12-2019	20-12-2019	5	Offline	23	35
8	FUNDAMENTALS OF COMPUTERS AND NETWORKING	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	COMPUTER SCIENCE AND ENGINEERING	06-01-2020	09-01-2020	4	Offline	64	32
9	Innovative Design and Product Development	Innovation	FDP in I&E / IPR	Department of Electronics and Communication Engineering	08-07-2019	12-07-2019	5	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	Mr. Alex V	Department of Electronics and Communication Engineering	Assistant Professor	No	No
2	Mr. Venugopal N	Department of Mechanical Engineering	Assistant Professor	No	No
3	Mr. V P Jayaprakash	Department of Computer Science and Engineering	Network Engineer	No	No
4	Mr. Gopu Darsan	Department of Computer Science and 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	Robotics Club	Idea Club	2019	3D Printing	Pre-Incubation Unit	0	Mr. U Akshay	akshayu165492@gmail.com	8921243620

2	Makers Club	Innovation Club	2018	Co-working Space,3D Printing	Incubation Unit	1	Sivaprasad	sivasbce1998@gmail.com	8921058375
---	-------------	-----------------	------	------------------------------	-----------------	---	------------	------------------------	------------

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	Center for Innovation and Research- ME (CIR-ME)	Innovation Centre	2019	Co-working Space,3D Printing & Prototype Equipment	IPR Cell/Technology Transfer Centre,Student Clubs	IPR Cell/Technology Transfer Centre,Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. M S Senthil Saravanan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>bhatranitt@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9940236395</td> </tr> </table>	Facility Incharge Name	Dr. M S Senthil Saravanan	Facility Incharge Email	bhatranitt@gmail.com	Facility Incharge Phone	9940236395	0	No	No	Yes
Facility Incharge Name	Dr. M S Senthil Saravanan																
Facility Incharge Email	bhatranitt@gmail.com																
Facility Incharge Phone	9940236395																
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)								
Funding Agency				Centre for Engineering Research and Development-APJ Abdul Kalam Technological University			Govt. Agency (State)		200000								
Funding Agency				Kerala State Council for Science, Technology and Environment (KSCSTE)			Govt. Agency (State)		20000								
Institute's Own Fund / Resource				Sree Buddha College of Engineering, Pattoor			Educational Institute		0								
2	Sree Buddha incubation Space	Innovation Centre	2018	Co-working Space,Work Stations	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr Gopu Darsan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>cs.gopud@sbcemail.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9809557304</td> </tr> </table>	Facility Incharge Name	Mr Gopu Darsan	Facility Incharge Email	cs.gopud@sbcemail.in	Facility Incharge Phone	9809557304	6	Yes	No	Yes
Facility Incharge Name	Mr Gopu Darsan																
Facility Incharge Email	cs.gopud@sbcemail.in																
Facility Incharge Phone	9809557304																
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				SREE BUDDHA COLLEGE OF ENGINEERING			Educational Institute		0								

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)

3	Centre for Innovation and Research - CE (CIR-CE)	Innovation Centre	2020	Co-working Space	No Such Facilities Exist in the Campus	No Such Facilities Exist in the Campus	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. R. Gopakumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>grp.3339@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8921533858</td> </tr> </table>	Facility Incharge Name	Dr. R. Gopakumar	Facility Incharge Email	grp.3339@gmail.com	Facility Incharge Phone	8921533858	0	No	No	Yes
Facility Incharge Name	Dr. R. Gopakumar																
Facility Incharge Email	grp.3339@gmail.com																
Facility Incharge Phone	8921533858																
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)											
Funding Agency		CERD		Govt. Agency (State)		200000											
Funding Agency		KSCSTE		Govt. Agency (State)		45000											
Institute's Own Fund / Resource		Sree Buddha Educational Society		Educational Institute		0											
4	INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE	IEDC	2015	Co-working Space	Student Clubs	Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>GOPU DARS AN</td> </tr> <tr> <td>Facility Incharge Email</td> <td>gops601@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>09809557304</td> </tr> </table>	Facility Incharge Name	GOPU DARS AN	Facility Incharge Email	gops601@gmail.com	Facility Incharge Phone	09809557304	6	Yes	No	No
Facility Incharge Name	GOPU DARS AN																
Facility Incharge Email	gops601@gmail.com																
Facility Incharge Phone	09809557304																

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Startup/Venture Development and implementation during the Financial Year 2019-20?
------	--	-----------------------	--	---	------------------	---	--	---	--

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

1	IPR and Patent Facilitation Centre	2017	Innovation Park/Research Park	BioCARE Scheme, Department of Biotechnology	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Jaya Jacob</td> </tr> <tr> <td>Facility Incharge Email</td> <td>JACO B.JAY A@G MAIL.COM</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>09562 56275 4</td> </tr> </table>	Facility Incharge Name	Dr. Jaya Jacob	Facility Incharge Email	JACO B.JAY A@G MAIL.COM	Facility Incharge Phone	09562 56275 4	01	No	No	No
Facility Incharge Name	Dr. Jaya Jacob														
Facility Incharge Email	JACO B.JAY A@G MAIL.COM														
Facility Incharge Phone	09562 56275 4														

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	Mr. Alex V	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Solar water pump		Within	
	Onboard electric vehicle charging station		Within	
	Solar based DAES		Within	
	IGBT based DC motor control		Within	
	Phase control of universal motor using SCR		Within	
Solar based induction cooking system		Within		
2	Mr. Venugopal N	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Child bore well rescue system		Within		

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	Mr. Suresh Kumar T O	Idea/Innovation Development	Unstructured Mentorship
2	Mr. Anish S Nair	Idea/Innovation Development	Unstructured Mentorship
3	Mr. Premkumar S	Idea/Innovation Development	Unstructured Mentorship
4	Mr. Santhosh Warriam Ayani	Idea/Innovation Development	Unstructured Mentorship
5	Mr. Jerin J Mathew	Idea/Innovation Development	Unstructured Mentorship
6	Dr. Sreejith Mohan	Idea/Innovation Development	Unstructured Mentorship
7	Dr. L Godson Asirvatham	Idea/Innovation Development	Unstructured Mentorship

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

8	Ms. Ardra Chandra Mouli	Idea/Innovation Development	Unstructured Mentorship
9	Mr. Giby Varghese Jaison	Idea/Innovation Development	Unstructured Mentorship
10	Mr. Mohammed Aseem	Idea/Innovation Development	Unstructured Mentorship
11	Ms. Bindu Sunil	Idea/Innovation Development	Unstructured Mentorship
12	Dr. Anil Joseph	Idea/Innovation Development	Unstructured Mentorship
13	Mr. Sajil Satheek	Idea/Innovation Development	Unstructured Mentorship
14	Mr. Amal Prakash	Idea/Innovation Development	Unstructured Mentorship

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								
														Agency Name	Agency Type	Award / Position / Recognition Secured	Grant Amount in Rs				
1	Concrete roof cooling using nanoparticle coated heat pipes for sustainability	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Faculty	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 Ongoing	<table border="1"> <tr> <td>Agency Name</td> <td>CERD</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Research Seed Money</td> </tr> </table>	Agency Name	CERD	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	Research Seed Money	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>200000</td> </tr> </table>	Grant Amount in Rs	200000	No	No
Agency Name	CERD																				
Agency Type	Govt. Agency (State)																				
Award / Position / Recognition Secured	Research Seed Money																				
Grant Amount in Rs	200000																				
Name		Type		Gender		Email		Contact													
Dr. Trijo Tharayil		Faculty		Male		trijotharayil@gmail.com		7736766471													
Name		Type		Gender		Email		Contact		2											

IBF-vehicle: Intelligent balancing Vehicle Frame	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Faculty	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 Ongoing	No	No	No	No	No		
Name		Type		Gender		Email		Contact						
Dr. M S Senthil Saravanan		Faculty		Male		bhatranitt@gmail.com		9940236395						
													3	
Name		Type		Gender		Email		Contact						
Dr. J B Sajin		Faculty		Male		mechanicalsajin@gmail.com		8248717243						
Jackfruit dressing machine	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	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 Ongoing	No	No	No	No	No		
Name		Type		Gender		Email		Contact						
Mr. Vaisakh P S		Faculty		Male		vaisakh.vps@gmail.com		7907918600						
													4	
Name		Type		Gender		Email		Contact						
Dr. J B Sajin		Faculty		Male		mechanicalsajin@gmail.com		8248717243						
Coconut tree climbing machine	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	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 Ongoing	No	No	No	No	No		
Name		Type		Gender		Email		Contact						
Mr. Vaisakh P S		Faculty		Male		vaisakh.vps@gmail.com		7907918600						
													Name Email	
Name		Type		Gender		Email		Contact						
Mr. Vaisakh P S		Faculty		Male		vaisakh.vps@gmail.com		7907918600						
5	GoKART	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	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 Ongoing	No	No	Grant Amount in Rs	100000	No	No
Name		Type		Gender		Email		Contact						
Dr. M S Senthil Saravanan		Faculty		Male		bhatranitt@gmail.com		9940236395						

Name		Type	Gender		Email			Contact				
Quad Bike	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	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 Ongoing	No	No	Grant Amount in Rs 50000	No	No

6

Name		Type	Gender		Email			Contact
Mr. Sreekumar E N		Faculty	Male		sreekumar.rit@gmail.com			9447781269

Name

Email

7	Thermal performamnce analysis of heat pipe with nanopartivle coated wick for concrete roof cooling	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Faculty	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 Ongoing	Agency Name KSCSTE	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured Seed money	No	Grant Amount in Rs 10000	No	No
Name		Type		Gender		Email			Contact						
Dr. Trijo Tharayil		Faculty		Male		trijotharayil@gmail.com			7736766471						

Name		Type	Gender		Email			Contact						
Concrete roof cooling using capillary driven heat pipes for sustainability	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Faculty	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 Ongoing	Agency Name KSCSTE	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured Seed Money	No	Grant Amount in Rs 10000	No	No

8

Name		Type			Gender		Email			Contact		Name	Email
Dr. Trijo Tharayil		Faculty			Male		trijotharayil@gmail.com			7736766471			

9	Break pad using orange fibre and Al2O3	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
---	--	--------------------	---------------	---	-----------------	--	--	--------------------------------	----	----	----	----	----

Name		Type			Gender		Email			Contact	
Mr. Ratheesh R		Faculty			Male		ratheeshsbce@gmail.com			9447788628	

Name		Type			Gender		Email			Contact		10
Synthesis of bioplastics with enhanced thermal, mechanical and barrier properties		Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	

Name		Type			Gender		Email			Contact		Name	Email
Mr. Kalesh K K		Faculty			Male		kalesh24@gmail.com			9496113281			

11	Supercapacitor electrode from biomaterials	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No
----	--	--------------------	---------------	---	-----------------	--	--	--------------------------------	----	----	----	----

Name		Type			Gender		Email			Contact	
Dr. J B Sajin		Faculty			Male		mechanicalsajin@gmail.com			8248717243	

Name		Type			Gender		Email			Contact		12
------	--	------	--	--	--------	--	-------	--	--	---------	--	----

Design and development of low fume welding electrodes	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	
---	--------------------	---------------	---	-----------------	--	--	--------------------------------	----	----	----	----	----	--

Name		Type		Gender		Email		Contact		Name	Email
Mr. Hari Krishnan G		Faculty		Male		harikrishnangs24@gmail.com		9496992393			

13	Child bore well rescue system	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
----	-------------------------------	--------------------	---------------	---	-----------------	--	--	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email		Contact	
Mr. Jinan S		Faculty		Male		jinan6@gmail.com		9037107413	

Name		Type		Gender		Email		Contact		14
Turning wheels through 90 degree in parallel parking	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	

Name		Type		Gender		Email		Contact		Name	Email
Mr. Jinan S		Faculty		Male		jinan6@gmail.com		9037107413			

15	Thermite nest reinforced composites	Product Innovation	Technological	Center for Innovation and Research- ME (CIR-ME)	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
----	-------------------------------------	--------------------	---------------	---	-----------------	--	--	--------------------------------	----	----	----	----	----

Name		Type		Gender		Email		Contact	
Dr. J B Sajin		Faculty		Male		mechanicalsajin@gmail.com		8248717243	

Name		Type		Gender		Email		Contact						
Smart Helmet	Product Innovation	Technological	IEDC	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 10000	No	No	16	
Raj Suresh George		Student		Male		rajsuresh1999@gmail.com		9605409607						
Name		Type		Gender		Email		Contact						
Alex V		Faculty		Male		alexvincent.s@gmail.com		8281345157		17				
SANITARY WASTE DISPOSAL SYSTEM	Product Innovation	Technological	IEDC	Student-Faculty	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		
Name		Type		Gender		Email		Contact						
ATHIRA B		Faculty		Female		athiraasok1990@gmail.com		9995345232		Name	Email			
18	NANO CHEMICAL STABILIZATION OF EXPANSIVE KUTTANAD CLAYS	Service Innovation	Technological	Lab	Faculty	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 Ongoing	Agency Name	CERD KTU,KE RALA	No	Grant Amount in Rs 20000	No	No
									Agency Type	Govt. Agency (State)				
Name		Type		Gender		Email		Contact						
Ms. Regi P. Mohan		Faculty		Female		ce.regipm@sbcemail.in		9995114990						
Name		Type		Gender		Email		Contact		19				

<p>STUDY ON STRENGTH, DURABILITY AND MICROSTRUCTURAL CHARACTERISTICS OF CONCRETE WITH PUMICE POWDER POZZOLAN AND POLYPROPYLENE FIBRES ADDITIVES</p>	<p>Process Innovation</p>	<p>Technological</p>	<p>LAB</p>	<p>Student-Faculty</p>	<p>TRL 0 : Idea. Unproven concept, no testing has been performed .</p>	<p>TRL 3 : Applied research. First laboratory tests completed ; proof of concept.</p>	<p>Innovation Development Completed</p>	<p>Agency Name</p>	<p>Kerala State Council for Science Technology and Environment (KSCSTE), National Institute of Technology Calicut</p>	<p>No</p>	<p>15000</p> <p>Grant Amount in Rs</p>	<p>No</p>	<p>No</p>	
								<p>Agency Type</p>	<p>Govt. Agency (State)</p>					
								<p>Award / Position / Recognition Secured</p>	<p>Student research fund, Best paper award, Scopus Indexed Conference paper</p>					

Name	Type	Gender	Email	Contact
REGI P MOHAN	Faculty	Female	ce.regipm@sbcemail.in	9995114990

Name	Type	Gender	Email	Contact
ANSU J LALU	Student	Female	ansu.j.lalu@gmail.com	8848504486

EXPERIMENTAL INVESTIGATION ON STRENGTH AND DURABILITY PROPERTIES OF MODIFIED REACTIVE POWDER CONCRETE WITH NANO SILICA	Service Innovation	Technological	LAB	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	Agency Name	KS CS TE	No	Grant Amount in Rs	15000	No	No
								Agency Type	Govt. Agency (State)					
								Award / Position / Recognition Secured	student project funding					

Name	Type	Gender	Email	Contact
Ms. Shobha Elizabeth Thomas	Faculty	Female	ce.shobhaet@sbcemail.in	9562447155

Name	Type	Gender	Email	Contact
Vrinda V.	Student	Female	vrindhav.vinod@gmail.com	8075347116

PERFORMANCE EVALUATION OF DIFFERENT FIBERS FOR STRENGTHENING OF UNREINFORCED MASONRY WALLS	Service Innovation	Technological	lab	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	Agency Name	KS CS TE	No	Grant Amount in Rs	15000	No	No
								Agency Type	Govt. Agency (State)					
								Award / Position / Recognition Secured	STUDENT PROJECT FUND					

20

21

Name	Type	Gender	Email	Contact	Name	Email
Mr. Unnikrishnan S.	Faculty	Male	ce.unnikrishnans@sbcemail.in	9947600545		

22	Voice Controlled Robotic arm for differently abled people	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	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 Completed	No	No	No	No	No
----	---	--------------------	---------------	--	-----------------	---	--	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Vishnu V S	Faculty	Male	vishnu.vs.kkd@gmail.com	9947062806

Name	Type	Gender	Email	Contact
Rintu Ann Cherian	Student	Female	cherianrintu@gmail.com	8848542565

23	IoT based real time flood prediction and monitoring system	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	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 Completed	No	No	No	No	No
----	--	--------------------	---------------	--	-----------------	---	--	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Jasmin Basheer	Faculty	Female	jasminbasheer@gmail.com	9447787407

Name	Type	Gender	Email	Contact	24							
Performace enhance ment of solar electric tripod using IoT	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact	Name	Email
Alex V	Faculty	Male	alexvincent.s@gmail.com	8281345157		

25	Design and Implementation of a Novel Flying Sailing Drone for sureveillance	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	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 Completed	No	No	No	No	No
----	---	--------------------	---------------	--	-----------------	---	--	----------------------------------	----	----	----	----	----

Name		Type			Gender		Email			Contact			
Ambika Sekhar		Faculty			Female		ambikasekharmtv@gmail.com			9446204252			
Name		Type			Gender		Email			Contact			
VINEETH KUMAR V		Student			Male		vinu373.vk@gmail.com			9544947989			
26	Development of smart spectacles for visually impaired people.	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
Jayaraj V S		Faculty			Male		jayarajvs2050@gmail.com			9946005469			
Name													27
Energy efficient Batter Management System for all terrain electric board	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	
Name		Type			Gender		Email			Contact			Name Email
Justy John		Student			Male		johnjusty6@gmail.com			8075147481			
28	Low cost IoT based Cooking Gas Assistive System	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	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		
Justy John		Student			Male		johnjusty6@gmail.com			8075147481			
Name													29
Name		Type			Gender		Email			Contact			

Implementation of In-pipe robot for borewell rescue applications	Product Innovation	Technological	Center for Innovation and Research at ECE (CIR-EC)	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	No	No	No	No	No
--	--------------------	---------------	--	-----------------	---	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Sabi S	Faculty	Male	haisabi@gmail.com	9846206432

Name	Type	Gender	Email	Contact
Sivaprasad	Student	Male	sivasbce1998@gmail.com	8921058375

30

Microbial Concoction for Quantum Dot biosynthesis	Process Innovation	Technological	Biotechnology	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	<table border="1"> <tr> <td>Agency Name</td> <td>Department of Biotechnology</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Bio CA Research Fund</td> </tr> </table>	Agency Name	Department of Biotechnology	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Bio CA Research Fund	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>1000000</td> </tr> </table>	Grant Amount in Rs	1000000	No	No
Agency Name	Department of Biotechnology																			
Agency Type	Govt. Agency (Central)																			
Award / Position / Recognition Secured	Bio CA Research Fund																			
Grant Amount in Rs	1000000																			

Name	Type	Gender	Email	Contact
Dr. Jaya	Faculty	Female	JACOB.JAYA@GMAIL.COM	9562562754

Name
Email

31	Smart nanobionic systems based on carbon quantum dots	Process Innovation	Technological	Biotechnology	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	<table border="1"> <tr> <td>Agency Name</td> <td>CERD-KTU</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Financial Support</td> </tr> </table>	Agency Name	CERD-KTU	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	Financial Support	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>120000</td> </tr> </table>	Grant Amount in Rs	120000	No	No
Agency Name	CERD-KTU																				
Agency Type	Govt. Agency (State)																				
Award / Position / Recognition Secured	Financial Support																				
Grant Amount in Rs	120000																				

Name	Type	Gender	Email	Contact
Dr. Jaya	Faculty	Female	JACOB.JAYA@GMAIL.COM	9562562754

Name													Type		Gender		Email				Contact		32
Anti-microbial tissue paper towels	Product Innovation	Technological	Biotechnology	Student-Faculty	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	IE DC	No	No	No	No	No	No								
							Agency Type	Educational Institute															
							Award / Position / Recognition Secured	Cash prize															

Name	Type	Gender	Email	Contact	Name	Email
Jaya jACOB	Faculty	Female	JACOB.JAYA@GMAIL.COM	9562562754		

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs 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 Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/V C 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 venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
------	--	--	----------------------	--	--------------------	-----------------------	----------------------	---	--	---	---	--	--

1	Crypt4bits Pvt Ltd	Service Innovation	Technologica	3743	Student	Venture with Corporate Identification Number (CIN) Registration	U72200 KL2019 PTC059 162	2019-20	Graduated from the Incubation unit	No	No	No	No	Yes
Name		DIN number		Type	Gender		Email	Contact						
Bilal Bin Nazar		08531590		Student	Male		bilal@crypt4bits.com	9847505594						

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	M/S Sarathy Auto Cars, Kollam	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	25-10-2019
2	Noorul Islam Centre For Higher Education, Kanyakumari	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	01-06-2019
3	Logix Space Technologies	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	4	03-10-2019
4	Zeropi Technologies Pvt Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	14-10-2019
5	Crypt4bits Pvt Limited	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	3	04-10-2019
6	ATHUL ENERGY CONSULTANTS PVT. LTD THRISSUR	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	0	18-09-2019
7	Ayner Engineers and MEP Consultants, Cochin	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	19-09-2019

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	IBF-VEHICLE: INTELLIGENT-BALANCING VEHICLE FRAME	202011006274A	National	2020 - 02	Uploaded

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

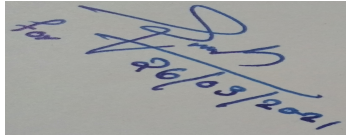
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Saji Varghese (Head of Institute) and Dr. Trijo Tharayil (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

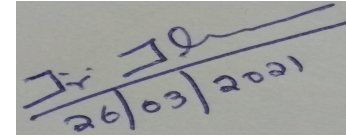
Thank you

The Head of Institute



Dr. Saji Varghese
Head of the Institution,
Alappuzha, Kerala

Nodal officer



Dr. Trijo Tharayil
Nodal Officer,
Alappuzha, Kerala