



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: V. S. B. Engineering College [ARI-C-36944]

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

Srno	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)
1	Tessolve Lab	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	10	5	1
2	Design Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	101	3	1
3	Oracle Academy	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	100	9	1
4	Amazon Web Services (AWS)	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	100	2	1
5	Entrepreneurship Development Cell (EDC)	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	5	12	1
6	Research and Development Centre	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	45	50	1
7	Electric Circuits Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	218	5	1
8	Electrical Machines Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	210	5	1
9	Power Systems Simulation Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	222	5	1
10	Power Electronics Lab	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	57	1	1
11	Control System Lab	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	57	1	1
12	Measurement and Instrumentation Lab	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	56	2	1
13	Programming Lab1	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	442	9	2

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

14	Programming Lab 2	Academic Department with lab facility	Mutidisciplinary	UG / PG / PhD	Technical	291	5	2
15	Programming Lab 3	Academic Department with lab facility	Mutidisciplinary	UG / PG / PhD	Technical	291	6	2
16	Programming Lab 4	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	12	1	1
17	Programming Lab 5	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	336	3	2
18	Programming Lab 6	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	336	3	2
19	Concrete and Highway Engineering Lab	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	83	3	1
20	Survey Lab	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	27	1	1
21	Environmental Engineering Lab	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	56	2	1
22	Soil Mechanics Lab	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	60	2	1
23	Hydraulics Engineering Lab	Academic Department with lab facility	Mutidisciplinary	UG / PG / PhD	Technical	238	5	1
24	Chemical Analysis Lab	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	84	2	1
25	Biochemistry Lab	Academic Department with lab facility	Biotechnology	UG / PG / PhD	Technical	94	2	1
26	Microbiology Lab	Academic Department with lab facility	Biomedical Engineering	UG / PG / PhD	Technical	108	2	1
27	Strength of Materials	Academic Department with lab facility	Mutidisciplinary	UG / PG / PhD	Technical	135	3	1
28	Engineering Practice Lab	Academic Department with lab facility	Mutidisciplinary	UG / PG / PhD	Technical	830	15	1
29	CAD-CAM Lab	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	431	8	1
30	Manufacturing Technology Lab	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	268	5	1

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

31	Dynamics Lab	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	160	3	1
32	Thermal Engineering Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	204	4	1
33	Metrology and Measurements Lab	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	160	3	1
34	Mechatronics Lab	Academic Department with lab facility	Mechanical Lab	UG / PG / PhD	Technical	163	3	1
35	DSP Lab	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	483	9	1
36	Microwave and Optical Lab	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	165	3	1
37	Embedded and Microprocessor and Microcontroller Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	391	7	1
38	Electronic Devices and Circuits Lab 1	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	318	6	1
39	Digital Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	341	7	1
40	Electronic Devices and Circuits Lab 2	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	370	7	1
41	M.E Lab	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	8	2	2
42	IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Multidisciplinary	UG / PG / PhD	Technical	48	50	1
43	Microsoft Campus Agreement	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	75	24	2
44	Wipro Talent Next	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	200	3	1
45	TCS ion online assessment centre	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	200	5	1
46	Physics Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	830	7	1
47	Chemistry Lab	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	830	6	1

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

48	IT Lab 1	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	272	9	1
49	IT Lab2	Academic Department with lab facility	Biotechnology	UG / PG / PhD	Technical	52	1	1
50	CISCO	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	3	1	1
51	ICT Academy	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	50	2	0
52	TCS Accreditation	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	440	5	1
53	Breathe Electronics	Industry Institute Interface Unit	Electronics and Communication Engineering	UG / PG / PhD	Technical	24	2	1
54	NIIT	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	30	1	1
55	Cognizant Partnered Institution	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	440	4	1
56	Litz Tech Pvt Ltd	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	12	4	1
57	LIVEWIRE	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	6	2	1
58	KKM Soft Pvt Ltd	Industry Institute Interface Unit	Civil Engineering	UG / PG / PhD	Technical	46	1	1
59	Veesha Technologies	Industry Institute Interface Unit	Mechanical Engineering	UG / PG / PhD	Technical	9	1	1
60	Prolific Systems and Technologies	Industry Institute Interface Unit	Electrical and Electronics Engineering	UG / PG / PhD	Technical	16	1	1
61	Wipro Nodel Center	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	103	4	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 : IC202015325
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

Section 1 > i : 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	Motivational Speak on Special Session on "Corporate Expectations"	Innovation	Motivational speak	Institute Lead Activity	Placement Training	30-06-2019 00:00:00	30-06-2019 00:00:00	1	Within Campus	450	2	0	0	452	No	No
2	FDP on Python programming	Innovation	Training	Student Lead Activity	IT	01-07-2019 00:00:00	07-10-2019 00:00:00	99	Within Campus	265	9	0	0	274	No	No
3	Steps to Start A Small Scale Industry	Entrepreneurship/Startup	Awareness	Institute Lead Activity	V.S.B.Engineering College	27-12-2019 00:00:00	27-12-2019 00:00:00	1	Within Campus	66	2	0	0	68	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 12000	No
4	Seminar on recent trends in Civil Engineering	Innovation	Seminar	Student Lead Activity	Civil Engineering	14-03-2020 00:00:00	14-03-2020 00:00:00	1	Within Campus	80	9	120	2	211	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
5	Mentoring Session	Innovation	Mentoring Session	Student Lead Activity	Electronics and Communication Engineering	01-07-2019 00:00:00	07-10-2019 00:00:00	99	Within Campus	482	25	0	0	507	No	No
6	Workshop on Research Opportunities in Power Electronics for Power Engineers	Innovation	Workshop	Student Lead Activity	Electrical and Electronics Engineering	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	2	0	0	0	2	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
7	Guest Lecture on Fluids & Hemodynamics Derangement	Innovation	Training	Institute Lead Activity	Biomedical Engineering	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	54	3	0	0	57	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No

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

8	Technical Seminar on Oppurtunities for Mechanical Engineers in Aerospace	Innovation	Awareness	Institute Lead Activity	Mechanical Engineering	25-07-2019 00:00:00	25-07-2019 00:00:00	1	Within Campus	163	5	0	0	168	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
9	KATTADAM'20	Innovation	Skill development	Student Lead Activity	CIVIL ENGINEERING	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	146	0	192	0	338	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
10	SKARA'20	Innovation	Skill development	Student Lead Activity	Computer science and Engineering	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	62	0	65	0	127	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
11	ZREYAS'20	Innovation	Skill development	Student Lead Activity	INFORMATION TECHNOLOGY	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	62	0	80	0	142	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
12	TRYONIX	Innovation	Skill development	Student Lead Activity	ELECTRONICS AND COMMUNICATION ENGINEERING	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	146	0	226	0	372	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
13	ARCHNIX'20	Innovation	Skill development	Student Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	32	0	204	0	236	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
14	PISTON UTS	Innovation	Skill development	Student Lead Activity	MECHANICAL ENGINEERING	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	0	0	156	0	156	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No

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

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/Recognition/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	Workshop on Python in Data Analytics	Innovation	Workshop	PSG College of Technology	Educational Institute	21-02-2020 00:00:00	23-02-2020 00:00:00	3	2	0	2	No	---	---	No	No
2	Workshop on Machine Learning	Innovation	Workshop	Kongu Engineering College	Educational Institute	15-02-2020 00:00:00	15-02-2020 00:00:00	1	7	0	7	No	---	---	No	No
3	Workshop on Machine Learning	Innovation	Workshop	PSG Institute of Technology and Applied Research	Educational Institute	05-02-2020 00:00:00	06-02-2020 00:00:00	2	4	0	4	No	---	---	No	No
4	Workshop on Web Development	Innovation	Workshop	Appin Technologies	Corporate / Industry Association	14-12-2019 00:00:00	14-12-2019 00:00:00	1	3	0	3	No	---	---	No	No
5	Workshop on Big data	Innovation	Workshop	Code Bind Technologies	Corporate / Industry Association	07-06-2019 00:00:00	07-06-2019 00:00:00	1	3	0	3	No	---	---	No	No
6	Workshop on Web Development and Artificial Intelligence	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	06-12-2019 00:00:00	06-12-2019 00:00:00	1	13	0	13	No	---	---	No	No
7	Workshop on Web Development	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	16-12-2019 00:00:00	16-12-2019 00:00:00	1	10	0	10	No	---	---	No	No
8	Workshop on Web Development Java	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	15-12-2019 00:00:00	15-12-2019 00:00:00	1	6	0	6	No	---	---	No	No
9	Workshop on Web Development	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	30-12-2019 00:00:00	30-12-2019 00:00:00	1	2	0	2	No	---	---	No	No

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

10	Workshop on Web Development Java	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	09-12-2019 00:00:00	09-12-2019 00:00:00	1	5	0	5	No	---	---	No	No
11	Workshop on Web Development	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	13-12-2019 00:00:00	13-12-2019 00:00:00	1	1	0	1	No	---	---	No	No
12	Workshop on Web Development	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	17-12-2019 00:00:00	17-12-2019 00:00:00	1	1	0	1	No	---	---	No	No
13	Workshop on Web Development	Innovation	Workshop	Appin Technology Lab	Corporate / Industry Association	12-12-2019 00:00:00	12-12-2019 00:00:00	1	3	0	3	No	---	---	No	No
14	Industrial visit	Innovation	Exposure visit	Chip Software systems	Corporate / Industry Association	22-09-2019 00:00:00	23-09-2019 00:00:00	2	103	0	103	No	---	---	No	No
15	Symposium on Creoscadz 20	Innovation	Awareness	K.Ramakrishnan college of Technology	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	3	0	3	No	---	---	No	No
16	Symposium on Shekraa	Innovation	Awareness	Government College of Engineering	Educational Institute	05-03-2020 00:00:00	05-03-2020 00:00:00	1	4	0	4	No	---	---	No	No
17	Symposium on Power Gale 20	Innovation	Awareness	PSNA College of Engineering and Technology	Educational Institute	21-02-2020 00:00:00	21-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
18	Symposium on GiFT 20	Innovation	Awareness	Arulmuran College of Engineering	Educational Institute	21-02-2020 00:00:00	21-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
19	Symposium on KRIYA 2020	Innovation	Awareness	PSG College of Technology	Educational Institute	21-02-2020 00:00:00	23-02-2020 00:00:00	3	4	0	4	No	---	---	No	No
20	Symposium on Yuddhavana 2K20	Innovation	Awareness	M.Kumarasamy College of Engineering	Educational Institute	29-02-2020 00:00:00	29-02-2020 00:00:00	1	4	0	4	No	---	---	No	No

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21	Symposium on Hashtag 2.0	Innovation	Awareness	Coimbatore Institute of Technology	Corporate / Industry Association	29-08-2019 00:00:00	29-08-2019 00:00:00	1	8	0	8	No	---	---	No	No			
22	FDP on Data Science with Python	Innovation	Awareness	ICTACA DEMY	Corporate / Industry Association	16-12-2019 00:00:00	18-12-2019 00:00:00	3	0	9	9	No	---	---	No	No			
23	Workshop on E-Vehicle and IC Engine assembly	Innovation	Workshop	Coimbatore Institute of Engineering and Technology	Educational Institute	12-03-2020 00:00:00	12-03-2020 00:00:00	1	1	0	1	No	---	---	No	No			
24	International Conference-Information Science and Renewable Energy Sources	Innovation	Conference	Selvam College Of Technology, Salem	Educational Institute	30-08-2019 00:00:00	30-08-2019 00:00:00	1	1	0	1	No	---	---	No	No			
25	International Conference on Advanced Nanomaterials for Energy Engineering Biological and Medical Applications	Innovation	Conference	Chettinad College of Engineering and Technology, Karur	Educational Institute	11-12-2019 00:00:00	13-12-2019 00:00:00	3	1	0	1	No	---	---	No	No			
26	Data Structures and Algorithms using C	Innovation	Skill development	E-Box	Corporate / Industry Association	09-12-2019 00:00:00	14-12-2019 00:00:00	6	239	0	239	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>12000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	12000	No
Total Total Expense Amount Incurred by Institute? (In Rupees)	12000																		

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)
1	Value added Course on Internet of Things	Innovation	Short term Course	Bachelor	Computer Science and Engineering	16-12-2019	21-12-2019	6	Offline	106	36

2	Human Computer Interaction	Innovation	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	09-12-2019	16-03-2020	99	Offline	111	45
3	Big Data Analytics	Innovation	Elective/Core Credit Course	Bachelor	IT	08-07-2019	02-11-2019	118	Offline	51	45
4	Software Testing	Innovation	Elective/Core Credit Course	Bachelor	IT	01-07-2019	02-11-2019	125	Offline	51	45
5	Software Testing	Innovation	Elective/Core Credit Course	Bachelor	IT	01-07-2019	02-11-2019	125	Offline	51	45
6	Environment and Agriculture	Innovation	Elective/Core Credit Course	Bachelor	CIVIL	01-07-2019	02-11-2019	125	Offline	46	45
7	Robotics	Innovation	Elective/Core Credit Course	Bachelor	MECH	13-08-2020	06-11-2020	86	Online	163	45

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)
1	Deep Learning - Phase I	Innovation	Employment Generation Training Programs	Computer Science and Engineering	14-09-2020	19-09-2020	6	Online	45	30
2	Medical Image Analysis - Phase I	Innovation	Employment Generation Training Programs	Electronics and Communication Engineering	14-09-2020	19-09-2020	6	Online	112	30
3	Deep Learning - Phase II	Innovation	Employment Generation Training Programs	Computer Science and Engineering	05-10-2020	10-10-2020	6	Online	43	30
4	Deep Learning - Phase III	Innovation	Employment Generation Training Programs	Computer Science and Engineering	02-11-2020	07-11-2020	6	Online	42	30
5	Medical Image Analysis - Phase II	Innovation	Employment Generation Training Programs	Electronics and Communication Engineering	05-10-2020	10-10-2020	6	Online	112	30
6	Medical Image Analysis - Phase III	Innovation	Employment Generation Training Programs	Electronics and Communication Engineering	02-11-2020	07-11-2020	6	Online	109	30
7	Technical Training (Service and Product)	Innovation	Employment Generation Training Programs	SIXPHRASE	11-01-2020	22-03-2020	72	Offline	449	432
8	Technical Skills Training	Innovation	Employment Generation Training Programs	Amphisoft	02-04-2019	02-06-2019	62	Offline	445	372
9	Data Structures and Algorithms using C	Innovation	Employment Generation Training Programs	E-Box	09-12-2019	14-12-2019	6	Offline	239	42
10	Fast Track Training for TCS	Innovation	Employment Generation Training Programs	Fast Track	11-07-2019	24-07-2019	14	Offline	429	98
11	Fast Track Training for CTS	Innovation	Employment Generation Training Programs	Fast Track	20-08-2019	02-09-2019	14	Offline	367	98

12	Employability Training Camp	Innovation	Employment Generation Training Programs	VSB ENGINEERING COLLEGE	27-05-2019	07-07-2019	42	Offline	480	294
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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		
1	Mr.R.Vijayaganth	Computer Science and Engineering		Associate Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Digital Skill Readiness Program	Innovation	Employment Generation Training Programs	WIPRO	Corporate / Industry Association	24-02-2020 00:00:00	06-03-2020 00:00:00	12	Online	
2	Mr. M. Sathyanarayanan	Information Technology		Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Digital Skill Readiness Program	Innovation	Employment Generation Training Programs	WIPRO	Corporate / Industry Association	24-02-2020 00:00:00	06-03-2020 00:00:00	12	Online	
3	Dr.S.Anand Kumar Varma	Civil Engineering		Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Waste Water Treatment and Recycling	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-10-2019 00:00:00	122	Online	
4	Shriram.L	Mechanical Engineering		Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Design Practice	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online	
5	Kannan N	Mechanical Engineering		Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Design Practice	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online	
6	Balamurugan S	Mechanical Engineering		Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
	Design Practice	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online	

7	Ram Prasad S	Mechanical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Design Practice	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online
8	Dr.G.Sathish Pandian	Mechanical Engineering	Associate Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Design and Instruction of Engineering Course	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-06-2019 00:00:00	30-09-2019 00:00:00	122	Online
9	Sangeetha M	Mechanical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Stress Management	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-08-2019 00:00:00	61	Online
10	Ragunath N	Mechanical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Manufacturing of Composites	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-10-2019 00:00:00	122	Online
11	Velavan R	Mechanical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Fundamentals of Manufacturing Processes	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-10-2019 00:00:00	122	Online
12	Gowtham M P	Mechanical Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Engineering Metrology	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-12-2019 00:00:00	183	Online
13	A.Jainulafdeen	EEE	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Fundamentals of Electric Drives	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online
14	Dr.G.Prabhakar	EEE	Associate Professor	No	Yes				

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Verification and Testing of VLSI Circuits using EDA tools	Innovation	FDP in I&E, IPR	AICTE	Govt. Agency (Central)	01-11-2019 00:00:00	14-11-2019 00:00:00	14	Online
15	Dr.K.Umamaheswari	EEE		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Modeling, Technologies and control on electric vehicles	Innovation	FDP in I&E, IPR	AMET University	Educational Institute	25-05-2020 00:00:00	29-05-2020 00:00:00	5	Online
16	Dr.Jayato Nayak	Chemical Engineering		Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Technologies for clean and Renewable Energy Production	Innovation	FDP in I&E, IPR	NPTEL	Corporate / Industry Association	01-07-2019 00:00:00	30-09-2019 00:00:00	92	Online
17	Dr.Nirmal Kannan	VSB Engineering College		Principal		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
18	Dr.Sundararajan V	VSB Engineering College		Head Technology Excellence Group		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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
1	TALENTIA	Innovation Club	2019	Co-working Space	Innovation Labs	1	DEVAMATHANI KA. G	mathanikasekar@gmail.com	9842962518

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-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 on 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?
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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)

1	Entrepreneurship Development Cell	EDC	2013	Work Stations	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.V.Nirmal Kannan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>v.nirmalkannan@vsbec.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9884883958</td> </tr> </table>	Facility Incharge Name	Dr.V.Nirmal Kannan	Facility Incharge Email	v.nirmalkannan@vsbec.com	Facility Incharge Phone	9884883958	1	No	No	No
Facility Incharge Name	Dr.V.Nirmal Kannan																
Facility Incharge Email	v.nirmalkannan@vsbec.com																
Facility Incharge Phone	9884883958																

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 Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

Section 3 > iii > a : 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	Dr.Nirmal Kannan	Principal	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	IPR		Within	
2	Dr.Sundararajan	Head Technology Excellence Group	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Aerospace		Outside	

Section 3 > iii > b : 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	Dr.Nirmal Kannan	IPR Protection & Commercialization	Structured Mentorship

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

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
IPR	01-07-2019	30-09-2019	92	1	1	Idea

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 Convert ed 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						
1	A Machine Learning approach for Fault Detection Prevention	Service Innovation	Technological		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 Completed	<table border="1"> <tr> <td>Agency Name</td> <td>Pariashodh Journal</td> </tr> <tr> <td>Agency Type</td> <td>Not-Govt. Agencies</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>NIL</td> </tr> </table>	Agency Name	Pariashodh Journal	Agency Type	Not-Govt. Agencies	Award / Position / Recognition Secured	NIL	No	No	No	No
Agency Name	Pariashodh Journal																		
Agency Type	Not-Govt. Agencies																		
Award / Position / Recognition Secured	NIL																		
				Name		Type		Gender		Email		Contact							
				Mr.P.Anbumani		Faculty and Student		Male		anbuanc@gmail.com		9790262364							

2	Expose and Enumeration of face using image processing	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.D.Vimalkumar	Faculty and Student	Male	dvimalkumarr@gmail.com	9994040854

3	ATMIoT : An event driven crime data reporting service using AI	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.S.Prabakaran	Faculty and Student	Male	sugirpraba@gmail.com	9965029552

4	Secure wearable Health care sensing devices	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

5	Monitoring and predicting agriculture sequences and farmer assistance	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.V.Kumararaja	Faculty and Student	Male	mail2kumarcs@gmail.com	9965029552

6	Client centric proxy re-encryption for outsourced data in cloud	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

7	An emergency alert using eye blinking signals for real-time driver-drowsiness detection system	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	NIL				

Name	Type	Gender	Email	Contact
Mr.S.Prabakaran	Faculty and Student	Male	sugirpraba@gmail.com	9965029552

8	Crop guidance for young farmers by using data mining and big data analytics	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.M.Vasudevan	Faculty and Student	Male	vasumecse@gmail.com	8883344482

9	Block Cyber bullying words using Machine Learning Algorithm in Social Network Framework	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.K.Suresh Kumar	Faculty and Student	Male	suresh8788@gmail.com	9095844564

10	Device and sensors are applicable to 5G implementation	Service Innovation	Technological		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 Completed	Agency Name	Parishodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Dr.J.Suresh	Faculty and Student	Male	jsuresh1983@gmail.com	9751062395

11	Water Monitoring system in Agriculture	Service Innovation	Technological		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 Completed	Agency Name	Parishodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mrs.S.Geetha	Faculty and Student	Female	geethamazhilar@gmail.com	8838353121

12	Smart water utilization Reduce and Reuse	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

13	Vehicle Theft Identification using Raspberry Pi	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

14	An integrated voice recognition system using Neuro – heuristic method	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.R.Vijayaganth	Faculty and Student	Male	vijayaganth.vsbec@gmail.com	8925824433

15	VM consolidation and migration for IAAS in cloud storage	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

16	Smart electrolyte bottle using IOT	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				
Name		Type			Gender		Email			Contact				
Mr.S.Gunasekaran		Faculty and Student			Male		gkarthikkumaran@gmail.com			9790051297				
17	Automated toll collection system using machine learning techniques	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				
Name		Type			Gender		Email			Contact				
Mrs. B.Bhavani Devi		Faculty and Student			Female		bavab.tech@gmail.com			9942576884				

18	Medical data analysis of brain tumor type classification using 3D deep convolution neural networks	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mrs.S.Abirami	Faculty	Female	abiramis84@gmail.com	9943317689

19	Image encryption in social network	Service Innovation	Technological		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 Completed	Agency Name	Pari shodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Ms.M.Maharasi	Faculty and Student	Male	mjmaharasi@gmail.com	9952826105

20	Camera vision based trash classification and detection system	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Dr.S.K.Senthilkumar	Faculty and Student	Male	sksenthilkumar1974@gmail.com	9875642358

21	RPA based automatic mail receiving and data entry system	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.S.Geerthik	Faculty and Student	Male	geerthikcs@gmail.com	9994018380

22	Automatic Assessment of pavement condition based on road video	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

23	Data and user confidentiality privacy preservation in distributed server	Service Innovation	Technological		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 Completed	Agency Name	Pariashodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.R Vijayaganth	Faculty and Student	Male	vijayaganth.vsbec@gmail.com	8925824433

24	Block chain based confidential schema for organized data in distributed network	Service Innovation	Technological	Block Chainin g	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resear ch. Princi ples postu lated and obser ved but no exper imental proof availa ble.	Innovati on Develop ment Complet ed	<table border="1"> <tr> <td>Agen cy Nam e</td> <td>Pari shod h Jour nal</td> </tr> <tr> <td>Agen cy Type</td> <td>Not-Gov t. Age ncie s</td> </tr> <tr> <td>Awar d / Positi on / Reco gnitio n Secu red</td> <td>nil</td> </tr> </table>	Agen cy Nam e	Pari shod h Jour nal	Agen cy Type	Not-Gov t. Age ncie s	Awar d / Positi on / Reco gnitio n Secu red	nil	No	No	No	No
Agen cy Nam e	Pari shod h Jour nal																		
Agen cy Type	Not-Gov t. Age ncie s																		
Awar d / Positi on / Reco gnitio n Secu red	nil																		

Name	Type	Gender	Email	Contact
Dr.J.Suresh	Faculty and Student	Male	jsuresh1983@gmail.com	9952826105

25	Crop yield prediction and efficient fertilizer usage	Service Innovation	Technological	Data Mining	Facul ty	TRL 0 : Idea. Unpr oven conc ept, no testin g has been perfor med.	TRL 1 : Basic resear ch. Princi ples postu lated and obser ved but no exper imental proof availa ble.	Innovati on Develop ment Complet ed	<table border="1"> <tr> <td>Agen cy Nam e</td> <td>Pari shod h Jour nal</td> </tr> <tr> <td>Agen cy Type</td> <td>Not-Gov t. Age ncie s</td> </tr> <tr> <td>Awar d / Positi on / Reco gnitio n Secu red</td> <td>nil</td> </tr> </table>	Agen cy Nam e	Pari shod h Jour nal	Agen cy Type	Not-Gov t. Age ncie s	Awar d / Positi on / Reco gnitio n Secu red	nil	No	No	No	No
Agen cy Nam e	Pari shod h Jour nal																		
Agen cy Type	Not-Gov t. Age ncie s																		
Awar d / Positi on / Reco gnitio n Secu red	nil																		

Name	Type	Gender	Email	Contact
Mrs.P.Latha	Faculty and Student	Female	platha19vsb@gmail.com	9344133141

26	"Cluster based VANET oriented evolving graph model using greedy detection for VANETS"	Service Innovation	Technological	ADHOC Network	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 Completed	Agency Name	Parishodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

27	"Lockers surveillance using Adriano kit"	Service Innovation	Technological	Network Security	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 Completed	Agency Name	Parishodh Journal	No	No	No	No
									Agency Type	Not-Govt. Agencies				
									Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Mr.P.Anbumani	Faculty and Student	Male	anbuanc@gmail.com	9790262364

28	PID Control of Two wheeling Inverted Pendulum	Service Innovation	Technological	Embedded Systems	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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Mr.A.Jainulafdeen		Faculty and Student			Male			ajainulafdeen@gmail.com		8925824433			
29	Traffic Light Pre-Emption Control System for Emergency Vehicles	Service Innovation	Technological	Renewable Energy	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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Dr.P.Elamurugan		Faculty and Student			Male			elamurugan.p@gmail.com		9962875859			
30	Design and Development of Fractional order PID Controller on Cruise Control System	Service Innovation	Technological	Embedded Systems	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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
Dr.G.Prabhakar		Faculty and Student							Male			gprabhakar2488@gmail.com		7010732363
31	Fast Charging circuit for EV using Arduino	Service Innovation	Technological	Embedded Systems	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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mr.R.ArunKumar		Faculty and Student							Male			arunkumar1133@gmail.com		9790556393
32	Power Loss Reduction based on DG using Renewable Sources	Service Innovation	Technological	Power Electronics	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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mrs.S.Sathya		Faculty and Student							Female			sathiyashanmugavel@gmail.com		9965661395

33	Solar Powered BLDC Motor for wide Range Applications	Service Innovation	Technological	Power Electronics	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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Dr.K.Umamaheswari		Faculty and Student			Female		umakrishnan21@yahoo.co.in		8012124309				
34	Line Follower Robot	Service Innovation	Technological	Embedded Systems	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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.R.Sivakumar		Faculty and Student			Male		odaisiva@gmail.com		9585419087				
35	Smart LED Light based on Solar Power Supply	Service Innovation	Technological	Power Electronics	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr. K.Karthi				Faculty and Student				Male			k.karthi94mr@gmail.com		9585966461
36	AUTOMATIC BROKE FEEDING SYSTEM IN PAPER MACHINE USING PLC	Service Innovation	Technological	Embedded Systems	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr. C.Maheshkumar				Faculty and Student				Male			maheshkhumarc@gmail.com		9788060931
37	EMISSION REDUCTION BY USING SWITCHED INTERGRATED RECTIFIER IN RECOVERY BOILER	Service Innovation	Technological	Embedded Systems	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr. P.Parthasarathy				Faculty and Student				Male			parthasarathy5326@gmail.com		9246711369

38	Hybrid Renewable Energy System	Service Innovation	Technological	Renewable Energy	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr. S.Ragul		Faculty and Student			Male		ragulsambath22@gmail.com		9952124414				
39	METAL TRAP USING RELAY CIRCUIT	Service Innovation	Technological	Electric Circuits	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mrs.S.Preetha		Faculty and Student			Female		preethu.karur@gmail.com		9790262364				
40	A Novel Approach of Finger vein recognition for personal authentication	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		R.R.Jegan				Faculty and Student				Male			jeganvsb17@gmail.com		9566402260
41	Collision avoidance by using advanced speed control system	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
	R.Srivenkatalakshmi		Faculty and Student				Female			srivenkatalakshmi94@gmail.com		9489486651			
42	Novel Measurement of Monitoring liquid level in sewage water	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
	Dr.V.Kavitha		Faculty and Student				Female			drvkavitha@vsbec.com		9790556393			

43	Eminent and safe child rescue system	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
D.S.Priyanka	Faculty and Student	Female	rathi.priyanka5@gmail.com	7904864837

44	Pulsed Electric filed for food preservation	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
S.Meena	Faculty and Student	Female	jeyammeena@gmail.com	9962875859

45	RF-ID based system for school transportation safety enhancement	Service Innovation	Technological	Wireless networks	Student-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 Completed	No	No	No	No	No
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		Name				Type				Gender			Email		Contact
		S.Sujitha				Faculty and Student				Female			sujithasubramani96@gmail.com		9455132585
46	Analysis and Design of SRAM cell with micro wind Tool	Service Innovation	Technological	VLSI design	Student-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 Completed	No	No	No	No	No	No	
	Name		Type				Gender			Email		Contact			
	S.Meena		Faculty and Student				Female			jeyammeena@gmail.com		9962875859			
47	Image Steganography using Vignere cipher and Knight's tour algorithm using dual encryption technique	Service Innovation	Technological	Cryptography and Network Security	Student-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 Completed	No	No	No	No	No		
	Name		Type				Gender			Email		Contact			
	M.Thangavel		Faculty and Student				Male			karurdinesh.vel@gmail.com		9500639349			

48	Turmeric plant leaf Disease Identification using support vector machine classifier technique	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
M.Dinesh		Faculty and Student			Male			apdineshvsb@gmail.com			9945529924		
49	Identification of Lung cancer using 3D deep neural Network	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
C.Moorthy		Faculty and Student			Male			moorthy.ind@gmail.com			8870298982		
50	Testing of Integrated circuits using automatic test equipment	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		M.Thangavel				Faculty and Student				Male			karurdinesh.vel@gmail.com		9500639349
51	Deformation IRIS recognition using DDCNN	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No	No	
			M.Vijay				Faculty and Student				Male			vijayvsbece@gmail.com	
52	Life safety and security helmet for bike rider	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No	No	
			P.Anandakumar				Faculty and Student				Male			apanandhvsb@gmail.com	

53	Women safety using live camera in IOT	Service Innovation	Technological	IOT	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
S.Sathish		Faculty and Student			Male		sathismtecece@gmail.com		8682947245				
54	Data Security with chaos signal	Service Innovation	Technological	Wireless Networks	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
T.Sivalingam		Faculty and Student			Male		t.sivalingam@gmail.com		8903936850				
55	Minimum energy constraints with cluster head and spamming tree in WSN with routing algorithm	Service Innovation	Technological	Wireless Networks	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		S.Sathish				Faculty and Student				Male			satishtech@ gmail.com		8682947245
56	Charge Recycling based Redundant write voltage suppression technique for low power SOT-MRAM	Service Innovation	Technological	VLSI Design	Student-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 Completed	No	No	No	No	No	No	
	Name		Type				Gender			Email		Contact			
		K.Kalaichelvi				Faculty and Student				Female			kalaish123@gmail.com		9698312857
57	A low power digital background calibration using new ultra dynamic latch comparator	Service Innovation	Technological	VLSI Design	Student-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 Completed	No	No	No	No	No	No	
	Name		Type				Gender			Email		Contact			
		K.Kalaichelvi				Faculty and Student				Female			kalaish123@gmail.com		9698312857

58	Telegram Messenger Based Digital Notice Board With audio system	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
R.Vallisuseela		Faculty and Student			Female		r.vallisuseela@gmail.com		9443283449				
59	Field ploughing by driverless tractor using Arduino	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
M.Dinesh		Faculty and Student			Male		apdineshvsb@gmail.com		9945529924				
60	Border surveillance using WSN	Service Innovation	Technological	Wireless Networks	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		C.Moorthy				Faculty and Student				Male			moorthy.ind@gmail.com		8870298982
61	An Ultra Low power Bulk FINFET SRAM	Service Innovation	Technological	VLSI Design	Student-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 Completed	No	No	No	No	No	No	
	Name		Type				Gender			Email		Contact			
	P.Anandakumar		Faculty and Student				Male			apanandhvsb@gmail.com		8870188907			
62	Multimodal sensor medical image fusion based on laplacian filter	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No	No	
	Name		Type				Gender			Email		Contact			
	P.Anandakumar		Faculty and Student				Male			apanandhvsb@gmail.com		8870188907			

63	Removal of specular reflection and early detection of glaucoma	Service Innovation	Technological	Image processing	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
S.Keerthana		Faculty and Student			Female		keerthanaece20@gmail.com			7806801526			
64	D2D communication using dual hop network for best path scheduling in WSN	Service Innovation	Technological	Wireless Networks	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Ashokkumar		Faculty and Student			Male		ashokvsbec@gmail.com			9994281810			
65	ATM IOT-An Event Driven crime data reporting service using AI	Service Innovation	Technological	IOT	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		S.Keerthana				Faculty and Student				Female			keerthanaece20@gmail.com		7806801526
66	Multi nodality medical image fusion method for cancer applications	Service Innovation	Technological	Image Processing	Student-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 Completed	No	No	No	No	No	No	
			Name				Type				Gender			Email	
		R.Ashokkumar				Faculty and Student				Male			ashokvsbec@gmail.com		9994281810
67	Smart class room attendance system using group face recognition	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No	No	
			Name				Type				Gender			Email	
		M.Vijay				Faculty and Student				Male			vijayvsbece@gmail.com		8682947245

68	Smart Electricity bill payment system management	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.V.Kavitha		Faculty and Student			Female			drvkavitha@vsbec.com			8903936850		
69	Vehicle Control Unit	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
R.Vallisuseela		Faculty and Student			Female			r.vallisuseela@gmail.com			9443283449		
70	Design of circularly polarized dual band V shaped patch antenna	Service Innovation	Technological	Antennas	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
R.Dhayabarani		Faculty and Student							Female			ece@vsbec.com		9994030854
71	Smart Irrigation for better Crop Management	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No
	Name		Type							Gender			Email	
G.Mohanavel		Faculty and Student							Male			mohan.vel48@gmail.com		9791924560
72	Smart Polling System	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No
	Name		Type							Gender			Email	
R.Ashokkumar		Faculty and Student							Male			ashokvsbec@gmail.com		9994281810

73	Pulmonary Disease Prediction using Deep learning using lung sound data base	Service Innovation	Technological	Image processing	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
S.Keerthana		Faculty and Student			Female		keerthanaece20@gmail.com			7806801526			
74	Low cost powered prosthetic leg with auto tuning	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Dhayabarani		Faculty and Student			Female		ece@vsbec.com			9994030854			
75	Soldier Multipurpose Suit	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
R.R.Jegan		Faculty and Student							Male			jeganvsb17@gmail.com		9566402260
76	A novel approach on web application for agriculture sector	Service Innovation	Technological	Wireless networks	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
R.Dhayabarani		Faculty and Student							Female			ece@vsbec.com		9994030854
77	A low cost system for real time monitoring of drinking water quality and controlling using IOT	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
R.Krishnan		Faculty and Student							Male			dgl.krishna@gmail.com		9944816768

78	A low duty cycle burst mode telemeter signal generation technique for VHF inject tracking and its CMOS implementation	Service Innovation	Technological	VLSI Design	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
P.Anandakumar		Faculty and Student			Male			apanandhvsb@gmail.com			8870188907		
79	A self Powered air quality monitoring system within a campus using WSN (LORA)	Service Innovation	Technological	Wireless networks	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
N.Arunkumar		Faculty and Student			Male			arunshiva03@gmail.com			9688070556		
80	Optimizing Energy variable a cost control measure	Service Innovation	Technological	Wireless networks	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
N.M.Karthikeyan		Faculty and Student							Male			santhoshkarthik87@gmail.com		9994718728
81	A Wearable Dual-Band Low Profile High Gain Low SAR Antenna Amc-Backed For WBAN Applications	Service Innovation	Technological	Embedded systems	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
M.Kaviarasu		Faculty and Student							Male			kaviarasum7@gmail.com		8489736186
82	Self Co-operative Trust Scheme against routing disruptions attack minimization for MANETS	Service Innovation	Technological	Wireless Networks	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
R.Srivenkatalakshmi		Faculty and Student							Female			srivenkatalakshmi94@gmail.com		9489486651

83	Experimental Investigation on Flexural Behaviour of Engineered Cementitious Composite	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
B.YugeshKumar		Faculty and Student			Male			yugeshkumar01@gmail.com			7806801526		
84	Experimental Study on Fly Ash Bricks by Using Polystyrene Plastic Powder	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
P.Suresh Kannan		Faculty			Male			psureshkannan18@gmail.com			9894375878		
85	Experimental Investigations on High Strength Fiber Reinforced Permeable Concrete	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		C.Mohanaselvan				Faculty				Male			mohan.selvan79@gmail.com		9790201179
86	Experimental Investigations on High Strength Brick By Using Natural Admixtures	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		R.Kartheeswaran				Faculty				Male			kartheeswarankarthik@gmail.com		9751135888
87	Experimental Investigations on Utilization of Municipal Solid Waste in Bricks	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		N.Vigneshwaran				Faculty				Male			ervigneshpuhazh2@gmail.com		9677093619

88	Experimental Investigation on Partial Replacement of Ceramic Waste In Coarse Aggregate With Addition of Bagasse Fiber	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
C.Mohanaselvan		Faculty			Male			mohan.selvan79@gmail.com			9790201179		
89	Behaviour of Bricks By Using Paper as Major Component	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
N.Vigneshwaran		Faculty			Male			ervigneshpuhazh2@gmail.com			9677093619		
90	Experimental Investigation of Thermal Insulation Roof	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
N.Vigneshwaran		Faculty							Male			ervigneshpuhazh2@gmail.com		9677093619
91	Experimental Investigations & Study of Rigid Pavement with Fully Replacement of Fine Aggregate Municipal Solid Waste Incineration Ash & Foundry Sand	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Dr.S.Anand Kumar Varma		Faculty							Male			manju_sakv@yahoo.co.in		9994030854
92	Experimental Study on Stabilization of Black Cotton Soil Using Baggasse Ash	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
B.YugeshKumar		Faculty							Male			yugeshkumar01@gmail.com		9566402260

93	Experimental Investigations on the Implementation of Transmitter and Receiver in Transportation System to Prevent Accidents	Service Innovation	Technological	Highway Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
R.Kartheeswaran		Faculty			Male			kartheeswarankarthik@gmail.com			9751135888		
94	Experimental Investigations On Engineering Properties of Recycled Fine Aggregate concrete Adding metakaolin	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Rajkumar		Faculty			Male			k.rajkumaraccet@gmail.com			9791597295		
95	An Experimental Study on Buoyant Foundation	Service Innovation	Technological	Foundation Engineering	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		C.Mohanaselvan				Faculty				Male			mohan.selvan79@gmail.com		9790201179
96	Experimental Investigations on Self Curing Concrete Using Natural Super Plasticizer	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No	No	
			Name				Type				Gender			Email	
		P.Suresh Kannan				Faculty				Male			psureshkannan18@gmail.com		9894375878
97	An Analytical Study on Design Of Hydraulic Ram Pump	Service Innovation	Technological	Hydraulic Engineering	Student-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 Completed	No	No	No	No	No	No	
			Name				Type				Gender			Email	
		R.Gowrishankar				Faculty				Male			gowricivil@gmail.com		9750236832

98	An Experimental Investigation of Floating Concrete and Boat With Incorporated Rice Husk Ash and Foaming Agent	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Rajkumar		Faculty			Male			k.rajkumaraccet@gmail.com			9791597295		
99	Study on Behavior of Paper Industry Treated Effluent Water With Chemical Admixture As Mixing Water In Concrete	Service Innovation	Technological	Environmental Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
R.Gowrishankar		Faculty			Male			gowricivil@gmail.com			9750236832		
100	Experimental Investigation on Fly Ash Bricks By Partial Replacement of Fly Ash With Lime Powder	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
R.Gowrishankar		Faculty							Male			gowricivil@gmail.com		9750236832
101	Experimental Investigation on Cement Flooring Tiles Using Coconut Shell As Coarse Aggregate	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
K.Rajkumar		Faculty							Male			k.rajkumaraccet@gmail.com		9791597295
102	Narural Air Purifier At Traffic Signals Powered By Vehicle Movement	Service Innovation	Technological	Environmental Engineering	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
D.Dineshkumar		Faculty							Male			kongutamildinesh@gmail.com		7200302115

103	Municipal Solid Waste Treatment By Using Combination Of Effective Microorganisms And Cou Dung	Service Innovation	Technological	Environmental Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
M.Aathavan		Faculty			Male			aathuguru3002@gmail.com		8773746977			
104	Experimental Investigation On Behaviour of Translucent Concrete With Replacement of Cement By Using Lime Silica Powder	Service Innovation	Technological	Concrete Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
D.Dineshkumar		Faculty			Male			kongutamildinesh@gmail.com		7200302115			
105	Experimental Investigation On Design Of Readymade Road Pavement	Service Innovation	Technological	Highway Engineering	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		R.Gowrishankar				Faculty				Male			gowricivil@gmail.com		9750236832
106	Feasibility study and implementation of dual fuel system in two wheelers	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.R. Balamurugan				Faculty				Male			balaapmech@gmail.com		9790201179
107	Design and fabrication of 90 degree car parking	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.M.S.Pragash				Faculty				Male			aeroprash@gmail.com		9965880994

108	"Design and fabrication of dual side water pumping system using scotch yock mechanism "	Service Innovation	Technological	Kinematics of Machinery	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Dr. P.Balu		Faculty			Male			balumitauto@gmail.com		9750256355			
109	"Coconut Multi Processing machine"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Dr. V. Nirmal Kannan		Faculty			Male			v.nirmalkannan@gmail.com		9944478641			
110	"Mechanical properties of natural fibre(White madar) reinforced polymer composites"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.M. Dhanabal				Faculty				Male			dhanabal59@gmail.com		9715010161
111	"Synthesis of fuel from water "	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.S.Balamurugan				Faculty				Male			balamuruganng892@gmail.com		7200302115
112	"Optimizing the turning process by the effects of machining parameters "	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.M. P. Gowtham				Faculty				Male			gowthammech21@gmail.com		8903461084

113	"Fatigue curve parameters - Description of 7075 aluminium alloy using hyperbolic function "	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.J.Selvakumar		Faculty			Male			selvakumar1979@gmail.com			6382023022		
114	"Design and fabrication of remote controlled pick and place robot "	Service Innovation	Technological	Robotics and Automation	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr.S. Ramprasad		Faculty			Male			ramprasad2601@gmail.com			8056905274		
115	"Wheel chair with standing arrangements"	Service Innovation	Technological	Automation	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.N.Kapil Dev				Faculty				Male			kapildevnr@gmail.com		9788981205
116	"Production of extending bumper of bike for accident impact safety"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.P.Devaraj				Faculty				Male			devarajp1992@gmail.com		9865294628
117	"Oscillating water column power generation"	Service Innovation	Technological	Power plant Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.G.Vijay Anand				Faculty				Male			vijayapmech@gmail.com		9715010161

118	"Footstep power generator using rack and pinion mechanism"	Service Innovation	Technological	Kinematics of Machinery	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Mr.S.Vinoth Kumar		Faculty			Male			vkthermal@gmail.com		7598624455			
119	"Acetylene gas used as alternative fuel in petrol engine"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Mr.T.Raja		Faculty and Student			Male			rajathambikannu@gmail.com		9944478641			
120	"Multi nozzle pesticide sprayer"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.R.Velavan				Faculty				Male			velavangalvanisingwm@gmail.com		9003591698
121	"Drainage pipe block removal"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.C.Selvakumar				Faculty				Male			cskmech141@gmail.com		9715010161
122	"Experimental investigation and macro property analysis on Al 7075 metal matrix reinforced with TiO2 & ES"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.L.Shriram				Faculty				Male			lshriram103@gmail.com		6380375265

123	"Thermal analysis of Aluminium composite piston"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.N.Yogaraj		Faculty			Male		yogaraj0506@gmail.com		9500412199				
124	"Comparitive analysis and geometrical properties of drilling on hardened tool steel using cryogenic and ordinary drill bits"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Dr.M.Mohamed Abdul Hafeez		Faculty			Male		mohamedabdulhafeez72@gmail.com		9894848268				
125	"Driverless Renewable energy hybrid vehicle with bluetooth control"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Dr. V. Nirmal Kannan				Faculty				Male			v.nirmalkannan@gmail.com		9944478641
126	"Design and fabrication of pneumatic sheet bending machine "	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Dr. P.Balu				Faculty				Male			balumitauto@gmail.com		7598624455
127	"Design of ion propulsion system"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.R. Balamurugan				Faculty				Male			balaapmech@gmail.com		9715010161

128	"Synthesis of fuel from from plastic waste"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Mr.S.Balamurugan		Faculty			Male			balamuruganng892@gmail.com		9715015648			
129	"Tyre pressure monitoring system"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Dr.J.Selvakumar		Faculty			Male			selvakumar1979@gmail.com		6382023022			
130	"Three axis pneumatic modern trailer"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.S. Ramprasad				Faculty				Male			ramprasad2601@gmail.com		8056905274
131	"Keyless bike"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.S.Vinoth Kumar				Faculty				Male			vkthermal@gmail.com		7598624455
132	"Automatic side stand retrival system"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr.M. Dhanabal				Faculty				Male			dhanabal59@gmail.com		9003591698

133	"Automatic speed braker deduction and speed controlling system"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr.N.Kapil Dev		Faculty			Male			kapildevnr@gmail.com			9788981205		
134	"Water splashing boat"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr.N.Kapil Dev		Faculty			Male			kapildevnr@gmail.com			9788981205		
135	" Fabrication of safety bumper"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.M. P. Gowtham				Faculty				Male			gowthammech21@gmail.com		8903461084
136	"Design of manual seed sower"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.P.Devaraj				Faculty				Male			devarajp1992@gmail.com		9865294628
137	"Mechanical Properties of Natural Fibre [Vaagai Tree]Reinforced Polymer Composite"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.S.Balamurugan				Faculty				Male			balamuruganng892@gmail.com		7598624455

138	"Optimization of exhaust emissions in aqua silencer by using lithium hydroxide "	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Dr. V. Nirmal Kannan		Faculty			Male		v.nirmalkannan@gmail.com		9944478641				
139	"Experimental investigation and optimization of machining parameters for EDM using copper electrode on D2 steel"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.R.Velavan		Faculty			Male		velavangalvanisingwm@gmail.com		9003591698				
140	"Fabrication of 360 degree pneumatic power rotary modern trailer"	Service Innovation	Technological	Manufacturing Technology	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
Mr.L.Shriram		Faculty							Male			Ishriram103@gmail.com		6380375265
141	"Study of mechanical properties of aluminium metal matrix composite"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mr.S. Ramprasad		Faculty							Male			ramprasad2601@gmail.com		8056905274
142	"Experimental investigation and mechanical behaviour on EN24 steel with and without PWHT process"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mr.T.Raja		Faculty							Male			rajathambikannu@gmail.com		9894848268

143	"Analysis of alternatives for brake disc material using various aluminium MMC"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.N.Yogaraj		Faculty			Male		yogaraj0506@gmail.com		9500412199				
144	"Mechanical Properties of Natural Fibre[Indian Beech Tree]Reinforced Polymer Composites"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.N.Yogaraj		Faculty			Male		yogaraj0506@gmail.com		9500412199				
145	"Evaluation of tribological properties of AA7075 composite reinforced with graphite & titanium carbide by powder metallurgy process"	Service Innovation	Technological	Material Science	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr.C.Selvakumar				Faculty				Male			cskmech141@gmail.com		9003591698
146	Biodiesel performance and emission in diesel engine vagai seed oil	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr.G.Vijay Anand				Faculty				Male			vijayapmech@gmail.com		9788245897
147	"Experimental investigation performance and emission of diesel and biodiesel blends"	Service Innovation	Technological	Automobile Engineering	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Dr.M.Mohamed Abdul Hafeez				Faculty				Male			mohamedabdulhafeez72@gmail.com		9894848268

148	Warplane security and communication system using lifi	Service Innovation	Technological	Wireless Network	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr M.Sathya Narayanan		Faculty			Male		sathyakcgit@gmail.com		9445360851				
149	Driver drowsiness monitoring system using visual behaviour and machine learning	Service Innovation	Technological	Machine Learning	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr R.Kumaran		Faculty			Male		kumaran.r.r@gmail.com		9944453651				
150	Smart traffic management and time management using bigdata analysis	Service Innovation	Technological	Big data Analytics	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mrs N.Premalatha				Faculty				Female			prema.krnp@gmail.com		8056864396
151	Client centric proxy re-encryption for outsourced in the cloud	Service Innovation	Technological	Cloud computing	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr R.Rajinanth				Faculty				Male			rajinanthvsbec@gmail.com		9787382047
152	Blockchain based digital forensic investigation framework in the internet of things and social systems	Service Innovation	Technological	Blockchain technology	Student-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 Completed	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		Mr S.Nelson				Faculty				Male			selvinnelson@gmail.com		9994315031

153	Blockchain based information architecture for medical product supply chain	Service Innovation	Technological	Blockchain technology	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Dr M.Sangeetha		Faculty			Female		godsan2003@gmail.com		9688851998				
154	Fingerprint based antitheft for two wheelers.	Service Innovation	Technological	IOT	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mrs D.Maalini		Faculty			Female		maalini.cse@gmail.com		8903686196				
155	Anti theft technology of museum cultural relics using internet of things	Service Innovation	Technological	IOT	Student-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 Completed	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Mr M.MohanPeriyasamy				Faculty				Male			mmohanperiyasamy@gmail.com		9003125953
156	Rumor detection on social media	Service Innovation	Technological	Data Mining	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr R.Rajiniganth				Faculty				Male			rajniganthvsbec@gmail.com		9787382047
157	Blackchain Based Implementation of Electronic Medical Health Records	Service Innovation	Technological	Blockchain technology	Student-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 Completed	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		Mr M.Sathya Narayanan				Faculty				Male			sathyakcgit@gmail.com		9445360851

158	Spammer detection and fake user identification on social networks	Service Innovation	Technological	Machine Learning	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mrs D.Maalini		Faculty			Female			maalini.cse@gmail.com			8903686196		
159	Classification of lung cancer using deep learning algorithm	Service Innovation	Technological	Data Mining	Student-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 Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr M.Sangeetha		Faculty			Female			godsan2003@gmail.com			9688851998		
160	ARN - Authenticated routing for adhoc network for privacy preserving authentication scheme for VANNET	Service Innovation	Technological	Wireless Network	Student-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 Completed	No	No	No	No	No

Name		Type							Gender			Email		Contact
Mr K.Manivannan		Faculty							Male			manivannan.vsbec@gmail.com		9894104234
161	Sentiment analysis in E-commerce using recommendation system	Service Innovation	Technological	Sentiment analysis -AI	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mr R.Kumaran		Faculty							Male			kumaran.r.r@gmail.com		9500412199
162	Vanet Based Communication on Vehicles for Accident Prevention	Service Innovation	Technological	Wireless Network	Student-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 Completed	No	No	No	No		No
Name		Type							Gender			Email		Contact
Mrs N.Premalatha		Faculty							Female			prema.kmp@gmail.com		8056864396

163	Combating online abuse and online reporting functions on social networking sites	Service Innovation	Technological	Data Mining	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr M.MohanPeriyasamy		Faculty			Male		mmohanperiyasamy@gmail.com			9003125953			
164	Convolution neural networks based fire detection in surveillance video	Service Innovation	Technological	Wireless Network	Student-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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr S.Nelson		Faculty			Male		selvinnelson@gmail.com			9994315031			

Section 5 : 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/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 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 Startup 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	INNOTRIX SOFT SOLUTION	Service Innovation	Technological	507	Alumni	Venture with Corporate Identification Number (CIN) Registration INNOTRIX SOFT SOLUTION	2014-15	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
B.KUMARAVADIVEL		a125496896		Alumni Entrepreneur		Male		innotrixsoftsolutions@gmail.com		9842689745			
2	ZERO FLAG TECHNOVATION	Service Innovation	Technological	839	Alumni	Venture with Corporate Identification Number (CIN) Registration ZERO FLAG TECHNOVATION	2014-15	Graduated from the Incubation unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
A.DHINESHKUMAR		asf414984984		Alumni Entrepreneur		Male		innotrixsoftsolutions@gmail.com		9994568754			

Section 7 > i : 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
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1	Accent Techno Soft	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	110	09-07-2019
2	NHAI	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	50	13-08-2019
3	LITZ Tech	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	5	22-10-2019
4	NIIT-LTD's	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	52	24-09-2019
5	Breathe Electronics	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	44	20-08-2019
6	Livewire - A division of CADD centre training services Pvt Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	3	21-11-2019

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

No Data Filled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	INTELLIGENT IOT BASED SOIL FERTILIZATION TEST AND THEIR SOLUTION	201941031950	National	2019 - 08	Uploaded
2	G glass for Electrical Power Generation and Electrical Energy Storage	201941046543	National	2019 - 12	NA
3	G glass Smart Manufacturing Unit	201941046540	National	2019 - 12	Uploaded
4	Performance Improvement of Induction generator in grid integrated wind energy conversion system	201941046537	National	2019 - 12	Uploaded
5	High Performance Air Purifier Using Human Hair and Vetiver (Chrysopogan Zizanioides) as Filter Media	201941051988	National	2020 - 01	Uploaded
6	A SYSTEM AND METHOD FOR MONITORING AND PROCESSING WASTEWATER AND RAINWATER HARVESTING IN FORMAL HABITATION	201941036236	National	2019 - 09	Uploaded
7	Method for Managing the uplink radiation and Energy consumption of 5G Mobiles	202041009329	National	2020 - 03	Uploaded
8	Coconut Multi Processing Machine	202041009037	National	2020 - 03	Uploaded
9	Optimization of Carbon Content in Aqua Silencer by using lithium hydroxide	202041009035	National	2020 - 03	Uploaded
10	Driverless Renewable Energy Hybrid Vehicle with Bluetooth Control	202041009040	National	2020 - 03	Uploaded
11	SYSTEMATIC MODEL FOR CONSTANT WATER QUALITY MONITORING USING IOT	202041006184A	National	2020 - 02	NA