



ARIIA

ATAL 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: Velammal College of Engineering & Technology, Madurai [ARI-C-26781]

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	Velammal College of Engineering and Technology	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	2028	137	61

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201912020
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	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	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	Entrepreneurship Awareness Camp (EAC) -1	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electrical and Electronics Engineering and Entrepreneurship Development cell	03-09-2019 00:00:00	05-09-2019 00:00:00	3	Within Campus	75	4	0	0	79	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>20000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000																	

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2	Entrepreneurship Awareness Camp (EAC) -2	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electrical and Electronics Engineering and Entrepreneurship Development cell	06-09-2019 00:00:00	11-09-2019 00:00:00	6	Within Campus	75	4	0	0	79	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
3	Entrepreneurship Awareness Camp (EAC) -3	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electrical and Electronics Engineering and Entrepreneurship Development cell	12-09-2019 00:00:00	14-09-2019 00:00:00	3	Within Campus	75	4	0	0	79	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
4	Entrepreneurship Meet	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering and Entrepreneurship Development cell	19-10-2019 00:00:00	19-10-2019 00:00:00	1	Within Campus	120	25	0	0	145	No	No	
5	Entrepreneurship Development Programme(EDP)	Entrepreneurship/Startup	Training	Institute Lead Activity	Electrical and Electronics Engineering and Entrepreneurship Development cell	02-01-2020 00:00:00	04-02-2020 00:00:00	34	Within Campus	24	5	0	0	29	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	200000	No
6	AICTE Sponsored Two Week Faculty Development program On Outcome Based Education - Innovative Teaching Learning Practices and Evaluation.	Innovation	Innovation Contest	Institute Lead Activity	Computer Science and Engineering	10-06-2019 00:00:00	22-06-2019 00:00:00	13	Within Campus	0	20	0	30	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	430000	No
7	computer tamil competition	Entrepreneurship/Startup	Skill development	Student Lead Activity	Computer Science and Engineering	26-07-2019 00:00:00	26-07-2019 00:00:00	1	Within Campus	25	0	0	0	25	No	No	

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8	Inter Departmental Programming Contest	Innovation	Innovation Contest	Student Lead Activity	Computer Science and Engineering	27-07-2019 00:00:00	27-07-2019 00:00:00	1	Within Campus	17	0	0	0	17	No	No
9	Inter Departmental Quiz Competition – Lepidoz '19	Entrepreneurship/Startup	Skill development	Student Lead Activity	Computer Science and Engineering	09-08-2019 00:00:00	09-08-2019 00:00:00	1	Within Campus	15	0	0	0	15	No	No
10	ISTE Seminar on "Red hat Linux"	Entrepreneurship/Startup	Seminar	Student Lead Activity	Computer Science and Engineering	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	108	0	0	0	108	No	No
11	Guest Lecture on "Career Guidance" & Motivational Speech"	Entrepreneurship/Startup	Motivational speak	Student Lead Activity	Computer Science and Engineering	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	108	0	0	0	108	No	No
12	Guest Lecture on Skills to develop for Start Ups	Entrepreneurship/Startup	Skill development	Student Lead Activity	Computer Science and Engineering	05-10-2019 00:00:00	05-10-2019 00:00:00	1	Within Campus	108	0	0	0	108	No	No
13	Velamma I-ECE Summer Internship 2019	Innovation	Training	Institute Lead Activity	Electronics and Communication Engineering	13-05-2019 00:00:00	17-05-2019 00:00:00	5	Within Campus	15	0	85	0	100	No	No
14	Deep Learning & Internet of Things (IoT)- AICTE Sponsored Two week FDP	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	11-11-2019 00:00:00	24-11-2019 00:00:00	14	Within Campus	0	10	0	40	50	No	No
15	RETRIC '19 - Antenna Design for 5G Test Beds	Innovation	Seminar	Institute Lead Activity	Electronics and Communication Engineering	03-08-2019 00:00:00	03-08-2019 00:00:00	1	Within Campus	15	10	25	25	75	No	No
16	Alumni Interaction	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Civil Engineering	28-06-2019 00:00:00	28-06-2019 00:00:00	1	Within Campus	60	3	0	0	63	No	No

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

17	Career Opportunities in Civil Engineering	Innovation	Seminar	Student Lead Activity	Civil Engineering	07-09-2019 00:00:00	07-09-2019 00:00:00	1	Within Campus	62	3	0	0	65	No	No
18	Civil Engineering Association	Innovation	Seminar	Student Lead Activity	Civil Engineering	06-07-2019 00:00:00	06-07-2019 00:00:00	1	Within Campus	180	9	0	0	189	No	No
19	Industrial Visit	Innovation	Skill development	Student Lead Activity	Civil Engineering	24-07-2019 00:00:00	24-07-2019 00:00:00	1	Outside Campus	62	3	0	0	65	No	No
20	Industrial Visit	Innovation	Training	Student Lead Activity	Civil Engineering	25-07-2019 00:00:00	25-07-2019 00:00:00	1	Outside Campus	40	3	0	0	43	No	No
21	Industrial Visit	Innovation	Training	Student Lead Activity	Civil Engineering	09-08-2019 00:00:00	09-08-2019 00:00:00	1	Outside Campus	38	3	0	0	41	No	No
22	Industrial Visit	Innovation	Training	Student Lead Activity	Civil Engineering	13-08-2019 00:00:00	13-08-2019 00:00:00	1	Outside Campus	61	3	0	0	64	No	No
23	Industrial Visit	Innovation	Training	Student Lead Activity	Civil Engineering	16-09-2019 00:00:00	16-09-2019 00:00:00	1	Outside Campus	40	3	0	0	43	No	No
24	Effective Utilization of Industrial waste in construction	Innovation	Seminar	Institute Lead Activity	Civil Engineering	27-07-2019 00:00:00	27-07-2019 00:00:00	1	Within Campus	180	9	0	0	189	No	No
25	Geophysical method for groundwater Exploration	Innovation	Workshop	Institute Lead Activity	Civil Engineering	09-08-2019 00:00:00	09-08-2019 00:00:00	1	Within Campus	60	3	0	0	63	No	No
26	Industrial Visit	Innovation	Training	Student Lead Activity	Civil Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Outside Campus	40	3	0	0	43	No	No
27	Campus Startup Circle Engagement Program – Phase-I	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Department of Mechanical Engineering and Nativelead Foundation, Madurai	19-09-2019 00:00:00	21-09-2019 00:00:00	3	Within Campus	51	2	0	4	57	No	No

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

28	Campus Startup Circle Engagement Program – Phase-II	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Department of Mechanical Engineering and Nativelead Foundation, Madurai.	24-02-2020 00:00:00	25-02-2020 00:00:00	2	Within Campus	51	2	0	4	57	No	No						
29	HCL Technologies - TechBee	Innovation	Training	Institute Lead Activity	Department of Mechanical Engineering	15-01-2020 00:00:00	01-02-2020 00:00:00	18	Within Campus	0	0	57	0	57	No	No						
30	Smart India Hackathon 2020	Innovation	Hackathon	Student Lead Activity	MHRD, AICTE - GOI	01-01-2020 00:00:00	01-01-2020 00:00:00	1	Outside Campus	6	1	0	0	7	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>I Prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Hemiplegia Therapy Device</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	I Prize	Title of Innovation / Start-up Secured the Award / Recognition	Hemiplegia Therapy Device	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	I Prize																					
Title of Innovation / Start-up Secured the Award / Recognition	Hemiplegia Therapy Device																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
31	3M – CII Young Innovators Challenge Award	Innovation	Innovation Contest	Student Lead Activity	CII	31-01-2020 00:00:00	31-01-2020 00:00:00	1	Outside Campus	4	2	0	0	6	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>I PRIZE</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>ANKLE REHABILITATION DEVICE</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	I PRIZE	Title of Innovation / Start-up Secured the Award / Recognition	ANKLE REHABILITATION DEVICE	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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32	MABIF Jallikattu 2.0	Innovation	Innovation Contest	Student Lead Activity	MADURAI AGRICULTURAL COLLEGE	02-03-2020 00:00:00	02-03-2020 00:00:00	1	Outside Campus	3	1	0	0	4	No	Award / Position / Recognition Secured	IPRIZE
															Title of Innovation / Start-up Secured the Award / Recognition	BANANA LEAF CUTTER	
															Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
33	Managerial Auction	Entrepreneurship/Start-up	Ideation	Student Lead Activity	Thiyagaraja College of Engineering	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Outside Campus	3	0	0	0	3	No	Award / Position / Recognition Secured	IPRIZE
															Title of Innovation / Start-up Secured the Award / Recognition	Managerial Auction	
															Award/Recognition/Achievement Received for	Business Model/Start-up	

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/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research		
1	Entrepreneurship Awareness Camp (EAC) -1	Entrepreneurship/Start-up	Awareness	National Implementing and Monitoring Agency for Training (NIMAT) Entrepreneurship Development Institute of India (EDII), Ahmedabad	Govt. Agency (Central)	03-09-2019 00:00:00	05-09-2019 00:00:00	3	75	4	79	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>20000</td> </tr> </table>	Total Total Expense Amount Incurred by Institute? (In Rupees)	20000	No
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2	Entrepreneurship Awareness Camp (EAC) -2	Entrepreneurship/Startup	Awareness	National Implementing and Monitoring Agency for Training (NIMAT) Entrepreneurship Development Institute of India (EDII), Ahmedabad	Govt. Agency (Central)	06-09-2019 00:00:00	11-09-2019 00:00:00	6	75	4	79	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees) 20000		No
3	Entrepreneurship Awareness Camp (EAC) -3	Entrepreneurship/Startup	Awareness	National Implementing and Monitoring Agency for Training (NIMAT) Entrepreneurship Development Institute of India (EDII), Ahmedabad	Govt. Agency (Central)	12-09-2019 00:00:00	14-09-2019 00:00:00	3	75	4	79	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees) 20000		No
4	Entrepreneurship Meet	Entrepreneurship/Startup	Motivational speak	Velammal College of Engineering and Technology, Madurai	Educational Institute	19-10-2019 00:00:00	19-10-2019 00:00:00	1	120	25	145	No	---	---	No		No
5	Entrepreneurship Development Programme (EDP)	Entrepreneurship/Startup	Training	National Implementing and Monitoring Agency for Training (NIMAT) Entrepreneurship Development Institute of India (EDII), Ahmedabad	Govt. Agency (Central)	02-01-2020 00:00:00	04-02-2020 00:00:00	34	25	5	30	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees) 200000		No
6	Paper Presentation	Entrepreneurship/Startup	Skill development	Sethu Institute of Technology, Kariapatti	Educational Institute	12-09-2019 00:00:00	12-09-2019 00:00:00	1	1	0	1	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

7	Paper Presentation	Entrepreneurship/Startup	Skill development	National Engineering College, Kovilpatti	Educational Institute	22-09-2019 00:00:00	22-09-2019 00:00:00	1	1	0	1	No	---	---	No	No			
8	Paper Presentation	Entrepreneurship/Startup	Skill development	Mepco Schelenk Engineering College, Sivakasi	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	6	0	6	No	---	---	No	No			
9	Paper Presentation	Entrepreneurship/Startup	Skill development	Sai Ram Institute of Technology, Chennai	Educational Institute	25-02-2020 00:00:00	26-02-2020 00:00:00	2	2	0	2	No	---	---	No	No			
10	Symposium	Entrepreneurship/Startup	Skill development	KLN College of Engineering, Sivagangai	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	3	0	3	No	---	---	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>1000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	1000	No
Total Total Expense Amount Incurred by Institute? (In Rupees)	1000																		
11	Hackathon	Innovation	Hackathon	IIT Madras Research Park, Chennai	Educational Institute	10-08-2019 00:00:00	11-08-2019 00:00:00	2	2	0	2	No	---	---	No	No			
12	Podium	Innovation	Skill development	AAA college of Engineering and Technology, Sivakasi	Educational Institute	05-09-2019 00:00:00	05-09-2019 00:00:00	1	3	0	3	No	---	---	No	No			
13	Hackathon	Innovation	Hackathon	Infosys, Mahindra City Campus, Chengalpattu	Corporate / Industry Association	08-01-2020 00:00:00	08-01-2020 00:00:00	1	2	0	2	No	---	---	No	No			
14	Symposium	Entrepreneurship/Startup	Skill development	Mepco Schelenk Engineering College, Sivakasi	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	2	0	2	No	---	---	No	No			
15	Symposium	Entrepreneurship/Startup	Skill development	Thiagarajar College of Engineering, Madurai	Educational Institute	04-03-2020 00:00:00	04-03-2020 00:00:00	1	12	0	12	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

16	Symposium	Entrepreneurship/Startup	Skill development	KLN College of Engineering, Sivagangai	Educational Institute	14-02-2020 00:00:00	14-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
17	Symposium	Entrepreneurship/Startup	Skill development	Kalasalaingam University, Srivilliputtur	Educational Institute	06-03-2020 00:00:00	06-03-2020 00:00:00	1	2	0	2	No	---	---	No	No
18	Artificial Intelligence	Entrepreneurship/Startup	Workshop	Adithya info solution, Madurai	Corporate / Industry Association	15-06-2019 00:00:00	15-06-2019 00:00:00	1	2	0	2	No	---	---	No	No
19	Cyber Security	Entrepreneurship/Startup	Workshop	Thiagarajar College of Engineering, Madurai	Educational Institute	04-03-2020 00:00:00	04-03-2020 00:00:00	1	28	0	28	No	---	---	No	No
20	Workshop on Effective and Efficient Online Teaching in the Age of Corona	Entrepreneurship/Startup	Workshop	Teaching Learning Centre (ICT) at IIT Bombay	Educational Institute	16-05-2019 00:00:00	16-05-2019 00:00:00	1	0	2	2	No	---	---	No	No
21	Faculty Development Programme on Moodle Test for Teachers	Innovation	Skill development	IITB Spoken Tutorial	Educational Institute	01-10-2019 00:00:00	30-11-2019 00:00:00	61	0	5	5	No	---	---	No	No
22	Faculty Development Programme on Python Programming	Entrepreneurship/Startup	Skill development	Lady Doak College Madurai conducted by ICT Academy	Educational Institute	26-08-2019 00:00:00	30-08-2019 00:00:00	5	0	1	1	No	---	---	No	No
23	AICTE Sponsored FDP on Fundamentals of Machine Learning, Deep Learning, and their application in cyber security	Entrepreneurship/Startup	Skill development	PSNA College of Engineering and Technology, Dindugul	Educational Institute	14-11-2019 00:00:00	28-11-2019 00:00:00	15	0	1	1	No	---	---	No	No

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24	inplant training	Entrepreneurship/Startup	Training	Cognizant, Chennai	Corporate / Industry Association	14-12-2019 00:00:00	31-03-2020 00:00:00	10	12	0	12	No	---	---	No	No							
25	Inplant Training	Entrepreneurship/Startup	Training	Extramarks Education India Pvt.Ltd, Madurai	Corporate / Industry Association	03-02-2020 00:00:00	31-03-2020 00:00:00	58	2	0	2	No	---	---	No	No							
26	Inplant training	Entrepreneurship/Startup	Training	Qube Cinema Technologies Pvt.Ltd, Chennai	Corporate / Industry Association	14-12-2019 00:00:00	31-03-2020 00:00:00	10	1	0	1	No	---	---	No	No							
27	Inplant training	Entrepreneurship/Startup	Training	Infosys, Mysore	Corporate / Industry Association	14-12-2019 00:00:00	31-03-2020 00:00:00	10	1	0	1	No	---	---	No	No							
28	Inplant training	Entrepreneurship/Startup	Training	Madura coats, Madurai	Corporate / Industry Association	09-11-2019 00:00:00	31-03-2020 00:00:00	14	1	0	1	No	---	---	No	No							
29	Inplant training	Entrepreneurship/Startup	Training	Klenty India Pvt Limited	Corporate / Industry Association	14-12-2019 00:00:00	31-03-2020 00:00:00	10	1	0	1	No	---	---	No	No							
30	Tamil Nadu Student Innovation Award 2020	Entrepreneurship/Startup	Innovation Contest	Entrepreneurship Development and Innovation Institute	Govt. Agency (State)	23-12-2019 00:00:00	17-03-2020 00:00:00	86	3	0	3	Yes	Consolation	Egg Cleaver	5000		<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Consolation</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Egg Cleaver</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Consolation	Title of Innovation / Start-up Secured the Award / Recognition	Egg Cleaver	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Consolation																						
Title of Innovation / Start-up Secured the Award / Recognition	Egg Cleaver																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
31	AICTE CHHATRA VISWAKARMA AWARD 2019 - SOUTHERN REGIONAL FINALS	Innovation	Innovation Contest	AICTE	Govt. Agency (Central)	18-12-2019 00:00:00	19-12-2019 00:00:00	2	5	2	7	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

32	Tamil Nadu Student Innovation Award 2020	Entrepreneurship/Startup	Innovation Contest	Entrepreneurship Development and Innovation Institute	Govt. Agency (State)	23-12-2019 00:00:00	17-03-2020 00:00:00	86	3	0	3	Yes	Consolation	Egg Cleaver	Total Total Expense Amount Incurred by Institute? (In Rupees)	5000	Award / Position / Recognition Secured	Consolation
																	Title of Innovation / Start-up Secured the Award / Recognition	Egg Cleaver
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
33	All India Science Exhibition On Food Processing	Innovation	Innovation Contest	IIFPT Thanjavur	Educational Institute	15-09-2019 00:00:00	16-09-2019 00:00:00	2	4	1	5	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	3500	No	
34	Tamil Nadu Student Innovation Award 2020	Entrepreneurship/Startup	Innovation Contest	Entrepreneurship Development and Innovation Institute	Govt. Agency (State)	23-12-2019 00:00:00	17-03-2020 00:00:00	86	3	0	3	No	---	---	No		No	
35	Project Contest	Innovation	Skill development	Hindustan Deemed University	Educational Institute	31-08-2019 00:00:00	01-09-2019 00:00:00	2	3	0	3	Yes	Special Prize	Precision Agriculture	No		Award / Position / Recognition Secured	Special Prize
																	Title of Innovation / Start-up Secured the Award / Recognition	Precision Agriculture
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
36	project contest	Innovation	Skill development	Innovate FPGA, Tianjin, China	Educational Institute	15-10-2019 00:00:00	15-10-2019 00:00:00	1	3	0	3	Yes	second prize	On the go soil sensing	No		Award / Position / Recognition Secured	second prize
																	Title of Innovation / Start-up Secured the Award / Recognition	On the go soil sensing
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

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

37	project contest	Innovation	Skill development	IISc, Bangalore	Educational Institute	31-01-2020 00:00:00	01-02-2020 00:00:00	2	2	0	2	Yes	second prize	Alzheimer's stage Prediction	No	Award / Position / Recognition Secured	second prize	Title of Innovation / Start-up Secured the Award / Recognition	Alzheimer's stage Prediction	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
38	project contest	Innovation	Skill development	PSG Institute of Technology and applied research, coimbatore	Educational Institute	05-02-2020 00:00:00	05-02-2020 00:00:00	1	4	0	4	Yes	second prize	Smart Fencing System	No	Award / Position / Recognition Secured	second prize	Title of Innovation / Start-up Secured the Award / Recognition	Smart Fencing System	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
39	project contest	Innovation	Skill development	KLNCE, Madurai	Educational Institute	14-02-2020 00:00:00	14-02-2020 00:00:00	1	2	0	2	Yes	second prize	Number plate detection for parking assist and road safety	No	Award / Position / Recognition Secured	second prize	Title of Innovation / Start-up Secured the Award / Recognition	Number plate detection for parking assist and road safety	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
40	project contest	Innovation	Skill development	KLNCE, Madurai	Educational Institute	14-02-2020 00:00:00	14-02-2020 00:00:00	1	2	0	2	No	---	---	No	No	No	No	No	No	
41	project contest	Innovation	Skill development	Jeppiar Institute Of Technology, Chennai	Educational Institute	12-07-2019 00:00:00	12-07-2019 00:00:00	1	4	0	4	No	---	---	No	No	No	No	No	No	
42	Online NPTEL Courses	Innovation	Innovation Contest	NPTEL	Educational Institute	12-04-2019 00:00:00	12-04-2019 00:00:00	1	0	5	5	No	---	---	No	No	No	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

43	Civil Engineering Association	Innovation	Workshop	IIT Chennai	Educational Institute	08-04-2019 00:00:00	09-04-2019 00:00:00	2	33	0	33	No	---	---	No	No						
44	Online NPTEL Course	Innovation	Innovation Contest	NPTEL	Educational Institute	08-04-2019 00:00:00	08-04-2019 00:00:00	1	1	0	1	No	---	---	No	No						
45	IN plant Training	Innovation	Training	Public Work Department	Corporate / Industry Association	01-05-2019 00:00:00	31-05-2019 00:00:00	31	60	0	60	No	---	---	No	No						
46	Guest Lecture	Innovation	Seminar	TJS Engineering Collage, Tiruvallur	Educational Institute	07-08-2019 00:00:00	07-08-2019 00:00:00	1	0	1	1	No	---	---	No	No						
47	Guest Lecture	Innovation	Seminar	Mangayarkarasi College of Engineering	Educational Institute	27-08-2019 00:00:00	27-08-2019 00:00:00	1	0	1	1	No	---	---	No	No						
48	paper presentation	Innovation	Skill development	MepecoShlenk Engineering College, Sivakasi	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	2	0	2	Yes	First Prize	Agricultural Robotics	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First Prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Agricultural Robotics</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	First Prize	Title of Innovation / Start-up Secured the Award / Recognition	Agricultural Robotics	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	First Prize																					
Title of Innovation / Start-up Secured the Award / Recognition	Agricultural Robotics																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
49	NPTEL Online Course	Innovation	Training	NPTEL	Educational Institute	01-08-2019 00:00:00	31-10-2019 00:00:00	92	13	9	22	No	---	---	No	No						
50	paper presentation	Innovation	Skill development	Kongu Nadu College Of Engineering And Technology, Tholur patti	Educational Institute	09-08-2019 00:00:00	09-08-2019 00:00:00	1	1	0	1	No	---	---	No	No						
51	paper presentation	Innovation	Skill development	Coimbatore Institute of Technology, Coimbatore	Educational Institute	29-08-2019 00:00:00	29-08-2019 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

52	paper presentation	Innovation	Skill development	Coimbatore Institute of Technology, Coimbatore	Educational Institute	29-08-2019 00:00:00	29-08-2019 00:00:00	1	2	0	2	No	---	---	No	No						
53	paper presentation	Innovation	Skill development	Velalar College Of Engineering And Technology, Erode	Educational Institute	28-09-2019 00:00:00	28-09-2019 00:00:00	1	2	0	2	No	---	---	No	No						
54	Technical Quiz	Innovation	Skill development	Thiagarajar College, Madurai	Educational Institute	29-02-2020 00:00:00	29-02-2020 00:00:00	1	2	0	2	Yes	Second Prize	Technical quiz	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Second Prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Technical quiz</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Second Prize	Title of Innovation / Start-up Secured the Award / Recognition	Technical quiz	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Second Prize																					
Title of Innovation / Start-up Secured the Award / Recognition	Technical quiz																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
55	workshop	Entrepreneurship/Startup	Training	Kongu Engineering College	Educational Institute	13-06-2019 00:00:00	14-06-2019 00:00:00	2	0	2	2	No	---	---	No	No						
56	Faculty development program	Entrepreneurship/Startup	Training	K.L.N. College of Engineering, Madurai	Educational Institute	09-06-2019 00:00:00	21-06-2019 00:00:00	13	0	1	1	No	---	---	No	No						
57	AICTE sponsored Two Week FDP	Entrepreneurship/Startup	Training	Velammal College of Engineering and Technology	Educational Institute	11-11-2019 00:00:00	24-11-2019 00:00:00	14	0	15	15	No	---	---	No	No						
58	Seminar	Entrepreneurship/Startup	Seminar	Velammal College of Engineering and Technology	Educational Institute	12-12-2019 00:00:00	13-12-2019 00:00:00	2	0	8	8	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

59	Velan Thiruvizha 2020	Innovation	Innovation Contest	SRI SAKTHI COLLEGE OF ENGG AND TECH	Non-Govt. Agencies	04-01-2020 00:00:00	04-01-2020 00:00:00	1	4	2	6	Yes	1 PRIZE	BANANA LEAF CUTTER	No		Award / Position / Recognition Secured	1 PRIZE
																	Title of Innovation / Start-up Secured the Award / Recognition	BANANA LEAF CUTTER
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
60	Yugam 2020	Innovation	Innovation Contest	Kumaraguru Institute of Technology	Educational Institute	05-03-2020 00:00:00	05-03-2020 00:00:00	1	2	0	2	No	---	---	No		No	
61	Tamilnadu Student Innovator Awards 2019 - 2020	Innovation	Innovation Contest	EDI, Tamilnadu	Govt. Agency (State)	04-02-2020 00:00:00	04-02-2020 00:00:00	1	3	0	3	Yes	8TH POSITION	EGG CLEAVER	No		Award / Position / Recognition Secured	8TH POSITION
																	Title of Innovation / Start-up Secured the Award / Recognition	EGG CLEAVER
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
62	All India Science Exhibition	Innovation	Exhibition	Indian Institute of Food Processing Technology, Tanjore	Educational Institute	16-09-2019 00:00:00	16-09-2019 00:00:00	1	4	0	4	No	---	---	No		No	
63	AICTE Vishwakarma Awards	Innovation	Innovation Contest	AICTE	Govt. Agency (Central)	30-09-2019 00:00:00	30-09-2019 00:00:00	1	5	0	5	No	---	---	No		No	
64	National Institute of rural development Panchayathraj	Innovation	Ideation	Rural Development	Govt. Agency (State)	25-09-2019 00:00:00	29-09-2019 00:00:00	5	5	0	5	No	---	---	No		No	
65	AARAMBAM Contest 2019	Entrepreneurship/Startup	Innovation Contest	CII, Native Lead	Govt. Agency (State)	21-09-2019 00:00:00	21-09-2019 00:00:00	1	5	0	5	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

66	Dr. KALAM YOUNG ACHIEVER AWARD 2019	Innovation	Innovation Contest	Pandian Saraswathi Yadhava Engineering College	Educational Institute	27-09-2019 00:00:00	27-09-2019 00:00:00	1	10	0	10	No	---	---	No	No						
67	Dr.Pradeep P. Thevanor Innovation Awards	Innovation	Innovation Contest	SCMS School of Engineering and Technology, Kerala	Educational Institute	16-11-2019 00:00:00	16-11-2019 00:00:00	1	15	0	15	No	---	---	No	No						
68	Mistubushi Electric Cup	Innovation	Ideation	Mistubushi Ltd	Corporate / Industry Association	04-07-2019 00:00:00	04-07-2019 00:00:00	1	10	0	10	No	---	---	No	No						
69	Design Contest	Innovation	Ideation	Dassault Automation System	Corporate / Industry Association	12-10-2019 00:00:00	12-10-2019 00:00:00	1	8	0	8	No	---	---	No	No						
70	Anjani Mashelkar Innovation Award	Innovation	Innovation Contest	Anjani Mashelkar Innovation Award	Educational Institute	08-11-2019 00:00:00	08-11-2019 00:00:00	1	12	0	12	No	---	---	No	No						
71	Velamma I Health care Innovation Contest	Innovation	Innovation Contest	Velamma I Medical College	Educational Institute	15-11-2019 00:00:00	16-11-2019 00:00:00	2	18	0	18	No	---	---	No	No						
72	National Design and Research Forum	Innovation	Innovation Contest	National Design and Research Forum	Govt. Agency (State)	11-11-2019 00:00:00	11-11-2019 00:00:00	1	32	0	32	Yes	BRONZE	BANANA LEAF CUTTER	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>BRONZE</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>BANANA LEAF CUTTER</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	BRONZE	Title of Innovation / Start-up Secured the Award / Recognition	BANANA LEAF CUTTER	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	BRONZE																					
Title of Innovation / Start-up Secured the Award / Recognition	BANANA LEAF CUTTER																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

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

73	Smart India Hackathon	Innovation	Hackathon	MHRD	Govt. Agency (Central)	01-01-2020 00:00:00	01-02-2020 00:00:00	32	234	39	273	Yes	Third	Bio Medical Health care devices	No	Award / Position / Recognition Secured	Third
																Title of Innovation / Start-up Secured the Award / Recognition	Bio Medical Health care devices
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

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	FDTP-Transmission and Distribution	IPR	Short term Course	Bachelor	EEE VCET	18-11-2019	23-11-2019	6	Offline	30	48
2	Data Structures	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	101	45
3	Object Oriented Programming	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	107	45
4	Communication Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	95	45
5	Digital Principles and System Design	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	106	45
6	Computer Networks	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	104	45
7	Microprocessor and Microcontroller	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	98	45
8	Theory of Computation	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	103	45
9	Object Oriented Analysis and Design	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	106	45
10	Geographic Information System	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	97	45

11	Problem Solving and Python Programming	Innovation	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	07-08-2019	31-12-2019	147	Offline	89	45
12	Problem Solving and Python Programming Laboratory	Innovation	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	07-08-2019	31-12-2019	147	Offline	147	60
13	Data Structures Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	113	60
14	Microprocessor and Microcontroller Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	109	60
15	Networks Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	109	60
16	Cryptography and Network Security	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	111	45
17	Graph Theory and Applications	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	99	45
18	Grid and Cloud Computing	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	110	45
19	Resource Management Techniques	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	108	45
20	Service Oriented Architecture	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	63	45
21	Cyber Forensics	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	48	45
22	Information Retrieval	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	110	45
23	Security Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	110	45
24	Grid and Cloud Computing Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-07-2019	30-11-2019	152	Offline	112	45
25	Computer Architecture	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	45
26	Database Management Systems	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	45
27	Design and Analysis of Algorithms	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	45
28	Operating Systems	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	45

29	Software Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	45
30	Database Management Systems Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	60
31	Operating Systems Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	113	60
32	Internet Programming	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	45
33	Artificial Intelligence	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	45
34	Mobile Computing	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	45
35	Compiler Design	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	45
36	Distributed Systems	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	45
37	Data Warehousing and Data Mining	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-11-2020	334	Online	54	45
38	Software Testing	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	54	45
39	Internet Programming Laboratory	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	60
40	Mobile Application Development Lab	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	108	60
41	Multi-Core Architectures and Programming	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Offline	113	45
42	Human Computer Interaction	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	64	45
43	Knowledge Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	50	45
44	Disaster Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	49	45
45	Software Project Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Science and Engineering	02-01-2020	30-06-2020	181	Online	64	45
46	C and Cpp	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Computer Science and Engineering	02-07-2019	30-11-2019	152	Online	118	60

47	Repair and Rehabilitation of Structures	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	09-12-2019	31-03-2020	114	Online	62	45
48	Hydrology and Water Resources Engineering	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	09-12-2019	31-03-2020	114	Online	62	45
49	Structural Design and Drawing	Entrepreneurship/Startup	Full time Program	Bachelor	Civil	02-07-2020	15-10-2020	106	Online	62	75
50	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical	04-12-2019	10-03-2020	98	Offline	55	50
51	Mini project	IPR, Innovation	Elective/Core Credit Course	Bachelor	Mechanical	04-12-2019	18-03-2020	106	Offline	108	58
52	Project	IPR, Innovation	Elective/Core Credit Course	Bachelor	Mechanical	04-12-2019	25-03-2020	113	Offline	115	60
53	design of transmission system	Innovation	Elective/Core Credit Course	Bachelor	Mechanical	03-12-2019	27-03-2020	116	Offline	105	58

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	FDTP-Transmission and Distribution	IPR	FDP in I&E / IPR	EEE VCET	18-11-2019	23-11-2019	6	Offline	30	48
2	Faculty Development Programme on Outcome Based Education - Innovative Teaching Learning Practices and Evaluation	Innovation	FDP in I&E / IPR	Computer Science and Engineering	10-06-2019	22-06-2019	13	Offline	50	65
3	FDP	Entrepreneurship/Startup	FDP in I&E / IPR	IT	18-05-2020	23-05-2020	6	Online	2	40

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	Dr. G. Vinoth Chakkaravarthy	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
	NPTEL Online Certification-	Innovation	FDP in I&E, IPR	IIT, Kharagpur	Educational Institute	01-01-2020 00:00:00	30-04-2020 00:00:00	121	Online
2	Dr. S. J. Subhashini	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
	NPTEL Online Certification-	Innovation	FDP in I&E, IPR	IIT, Madras	Educational Institute	01-07-2019 00:00:00	31-10-2019 00:00:00	123	Online
3	MEENAKSHI SUNDAR K	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
	ARTIFICIAL INTELLIGENCE (AI)	Innovation	Short term Certificate	MSME PPDC, AGRA	Govt. Agency (Central)	27-04-2020 00:00:00	01-05-2020 00:00:00	5	Online
4	Dr.V.Anbumalar	Mechanical Engineering		Professor		No		No	
5	Dr. T. Amuthan	Mechanical Engineering		Associate Professor		No		No	
6	Dr.T.Kamatchi	Mechanical		Associate Professor		No		No	
7	Dr. M Maran	Mechanical Engineering		Professor		No		No	
8	Dr. G. Manikandan	Mechanical Engineering		HoD Professor		No		No	
9	Mr. Mothilal A	Mechanical Engineering		Assistant Professor		No		No	
10	Mr. I.Ambrose Edward	Mechanical Engineering		Assistant Professor		No		No	
11	Mr. Varunkumar	Mechanical Engineering		Assistant Professor		No		No	
12	Mr. Jegan	Mechanical Engineering		Assistant Professor		No		No	
13	Mr. Karthick R	Mechanical Engineering		Assistant Professor		No		No	
14	Mr. H.Ramkumaresh	Mechanical Engineering		Assistant Professor		No		No	
15	Mr. Elilvanan R	Mechanical Engineering		Assistant Professor		No		No	
16	Mrs. Suruthi Devi	Mechanical Engineering		Assistant Professor		No		No	
17	Mr. Rajachandra sekar	Mechanical Engineering		Assistant Professor		No		No	
18	Mr. Karuppaiah Rajkumar	Mechanical Engineering		Assistant Professor		No		No	
19	Mr.Arunsenthil Kumar	Mechanical Engineering		Assistant Professor		No		No	
20	Mr. Vivek Prabhu	Mechanical Engineering		Assistant Professor		No		No	
21	Mr. Dineshkumar	Mechanical Engineering		Associate Professor		No		No	
22	Dr.L.Andal	Civil		Professor and Head		No		No	
23	Dr.T.Naveen Raj	Civil		Assistant Professor		No		No	
24	Mrs.J.P.Annie Sweetlin Jebarani	Civil		Associate Professor		No		No	
25	Mr.A.V.Deepan Chakravarthi	Civil		Assistant Professor		No		No	
26	Mr.M.Sathish Kumar	Civil		Assistant Professor		No		No	
27	Mr.M.Sathyanarayanan	Civil		Assistant Professor		No		No	
28	Mrs.S.Venkatapriya	Civil		Assistant Professor		No		No	
29	Ms.R.Rajapriya	Civil		Assistant Professor		No		No	
30	Ms.AU.Anumeena	Civil		Assistant Professor		No		No	
31	Dr. P. Alli	Computer Science and Engineering		Professor and Head		No		No	
32	Dr. S. Poonkuntran	Computer Science and Engineering		Professor		No		No	
33	Dr. R. Deepalakshmi	Computer Science and Engineering		Professor		No		No	

34	Dr. R. Vijayalakshmi	Computer Science and Engineering	Associate Professor	No	No
35	Mrs. C. B. Selvalakshmi	Computer Science and Engineering	Assistant Professor	No	No
36	Mrs. S. Padmadevi	Computer Science and Engineering	Assistant Professor	No	No
37	Dr. J.V. Anchitaalagammai	Computer Science and Engineering	Associate Professor	No	No
38	Mrs. S. Kavitha	Computer Science and Engineering	Assistant Professor	No	No
39	Mr. K. Azarudeen	Computer Science and Engineering	Assistant Professor	No	No
40	Ms. J. Shantha Lakshmi Revathy	Computer Science and Engineering	Assistant Professor	No	No
41	Mrs. R. Sarala	Computer Science and Engineering	Assistant Professor	No	No
42	Mr. S. Kharthikeyan	Computer Science and Engineering	Assistant Professor	No	No
43	Mr. S. Murali	Computer Science and Engineering	Assistant Professor	No	No
44	Mrs. V. Lavanya	Computer Science and Engineering	Assistant Professor	No	No
45	Mrs. K. Santha Sheela	Computer Science and Engineering	Assistant Professor	No	No
46	Mrs. T. Grace Shalini	Computer Science and Engineering	Assistant Professor	No	No
47	Ms. P. R. Hemalatha	Computer Science and Engineering	Assistant Professor	No	No
48	Ms. T. Suba Nachiar	Computer Science and Engineering	Assistant Professor	No	No
49	Dr.S.Vasuki	Electronics and Communication Engineering	Professor and Head	No	No
50	Dr.A.Babu Karuppaiah	Electronics and Communication Engineering	Professor	No	No
51	Dr.K.Kavitha	Electronics and Communication Engineering	Professor	No	No
52	Dr.P.Suveetha Dhanaselvam	Electronics and Communication Engineering	Associate Professor	No	No
53	Dr.P.Rajeswari	Electronics and Communication Engineering	Associate Professor	No	No
54	Dr.K.Kavitha	Electronics and Communication Engineering	Associate Professor	No	No
55	Dr.P.Karthikeyan	Electronics and Communication Engineering	Associate Professor	No	No
56	Dr.S.Gandhimathi Alias Usha	Electronics and Communication Engineering	Associate Professor	No	No
57	Mr.P.Om Prakash	Electronics and Communication Engineering	Assistant Professor	No	No
58	Mr.A.Suban	Electronics and Communication Engineering	Assistant Professor	No	No
59	Mr.P.Anand	Electronics and Communication Engineering	Assistant Professor	No	No
60	Mr.G.Pradeep Kumar	Electronics and Communication Engineering	Assistant Professor	No	No
61	Mr.M.Sakthivel	Electronics and Communication Engineering	Assistant Professor	No	No
62	Mr.R.Raja Raja	Electronics and Communication Engineering	Assistant Professor	No	No
63	Ms.A.Alaimahal	Electronics and Communication Engineering	Assistant Professor	No	No
64	Mr.V.Karthick	Electronics and Communication Engineering	Assistant Professor	No	No
65	Mr.K.Karthik	Electronics and Communication Engineering	Assistant Professor	No	No
66	Mr.B.Karthikeyan	Electronics and Communication Engineering	Assistant Professor	No	No

	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
	Entrepreneurship	Entrepreneurship/Startup	FDP in I&E, IPR	DST-NSTEDB	Govt. Agency (Central)	17-06-2019 00:00:00	29-06-2019 00:00:00	13	Offline
86	Mr.A.Om Prakash		Electrical and Electronics 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
	Entrepreneurship	Entrepreneurship/Startup	FDP in I&E, IPR	DST-NSTEDB	Govt. Agency (Central)	17-06-2019 00:00:00	29-06-2019 00:00:00	13	Offline
	FDP	Entrepreneurship/Startup	FDP in I&E, IPR	EDII,TAMIL NADU	Govt. Agency (State)	16-09-2019 00:00:00	18-09-2019 00:00:00	3	Offline
FDP	Innovation	FDP in I&E, IPR	DST-NSTEDB	Govt. Agency (Central)	11-05-2020 00:00:00	16-05-2020 00:00:00	6	Online	

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	CIPD	Innovation Club	2008	3D Printing	Pre-Incubation Unit	2	CENTER FOR INNOVATION AND PRODUCT DEVELOPMENT	cipd@vcet.ac.in	9655226262

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 Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	Robotics club	Maker's Space	2013	3D Printing & Prototype Equipment	No Such Facilities Exist in the Campus	No Such Facilities Exist in the Campus	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mrs.P. Saraswathi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>psw@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9626971679</td> </tr> </table>	Facility Incharge Name	Mrs.P. Saraswathi	Facility Incharge Email	psw@vcet.ac.in	Facility Incharge Phone	9626971679	2	No	No	No
Facility Incharge Name	Mrs.P. Saraswathi																
Facility Incharge Email	psw@vcet.ac.in																
Facility Incharge Phone	9626971679																

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

2	CENTER FOR INNOVATION AND PRODUCT DEVELOPMENT CENTER	Innovation Centre	2008	3D Printing & Prototype Equipment, Work Stations	Incubation Unit, Student Clubs	Incubation Unit, Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>MEEN AKSHI SUNDAR K</td> </tr> <tr> <td>Facility Incharge Email</td> <td>kmsr@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9655226262</td> </tr> </table>	Facility Incharge Name	MEEN AKSHI SUNDAR K	Facility Incharge Email	kmsr@vcet.ac.in	Facility Incharge Phone	9655226262	19	No	No	Yes
Facility Incharge Name	MEEN AKSHI SUNDAR K																
Facility Incharge Email	kmsr@vcet.ac.in																
Facility Incharge Phone	9655226262																
Source of Grant / Fund		Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)									
Funding Agency		MSME				Govt. Agency (Central)		4230000									
3	ENTREPRENEURSHIP DEVELOPMENT CENTRE	IEDC	2016	Co-working Space	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.A.shunmug alatha</td> </tr> <tr> <td>Facility Incharge Email</td> <td>asl@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>09789302741</td> </tr> </table>	Facility Incharge Name	Dr.A.shunmug alatha	Facility Incharge Email	asl@vcet.ac.in	Facility Incharge Phone	09789302741	3	Yes	No	Yes
Facility Incharge Name	Dr.A.shunmug alatha																
Facility Incharge Email	asl@vcet.ac.in																
Facility Incharge Phone	09789302741																
Source of Grant / Fund		Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)									
Funding Agency		DST-NSTEDB				Govt. Agency (Central)		4530000									
4	Texas Instruments Innovation Lab	Innovation Centre	2014	Work Stations	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr A Shunmugalatha</td> </tr> <tr> <td>Facility Incharge Email</td> <td>asl@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9789302741</td> </tr> </table>	Facility Incharge Name	Dr A Shunmugalatha	Facility Incharge Email	asl@vcet.ac.in	Facility Incharge Phone	9789302741	4	Yes	No	Yes
Facility Incharge Name	Dr A Shunmugalatha																
Facility Incharge Email	asl@vcet.ac.in																
Facility Incharge Phone	9789302741																
Source of Grant / Fund		Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)									
Funding Agency		Texas Instruments				Corporate / Industry Association		276445									
Institute's Own Fund / Resource		Velammal College of Engineering and Technology				Educational Institute		1919125									

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)

5	Renewable Energy systems lab	Innovation Centre	2020	Co-working Space	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.A.S hunmu galatha</td> </tr> <tr> <td>Facility Incharge Email</td> <td>asl@vc et.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>097893 02741</td> </tr> </table>	Facility Incharge Name	Dr.A.S hunmu galatha	Facility Incharge Email	asl@vc et.ac.in	Facility Incharge Phone	097893 02741	3	No	No	Yes
Facility Incharge Name	Dr.A.S hunmu galatha																
Facility Incharge Email	asl@vc et.ac.in																
Facility Incharge Phone	097893 02741																
Source of Grant / Fund		Agency Name				Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)									
Institute's Own Fund / Resource		Velammal college of engg and technology				Educational Institute		1247841									
6	Centre for Unmanned Systems Research	Innovation Centre	2014	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Innovation Labs, Centre of Excellence with Advance Tools	Innovation Labs, Centre of Excellence with Advance Tools	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr G Pradeep Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>gpk@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>989466 3878</td> </tr> </table>	Facility Incharge Name	Mr G Pradeep Kumar	Facility Incharge Email	gpk@vcet.ac.in	Facility Incharge Phone	989466 3878	3	No	No	No
Facility Incharge Name	Mr G Pradeep Kumar																
Facility Incharge Email	gpk@vcet.ac.in																
Facility Incharge Phone	989466 3878																
7	Centre of Excellence for Internet of Things and Embedded Systems Lab	Innovation Centre	2014	Co-working Space, Work Stations	Innovation Labs, Centre of Excellence with Advance Tools	Innovation Labs, Centre of Excellence with Advance Tools	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr A Babu Karupiah</td> </tr> <tr> <td>Facility Incharge Email</td> <td>abk@vcet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>807215 8474</td> </tr> </table>	Facility Incharge Name	Dr A Babu Karupiah	Facility Incharge Email	abk@vcet.ac.in	Facility Incharge Phone	807215 8474	2	No	No	No
Facility Incharge Name	Dr A Babu Karupiah																
Facility Incharge Email	abk@vcet.ac.in																
Facility Incharge Phone	807215 8474																

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)

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

1	Center for Innovation and Product Development	2008	Pre-Incubation, Innovation Labs, IPR Cell/Technology Transfer Centre	IEDC, MSME, BIRAC BIG	Facility Incharge Name	Mr. K. Meenakshi Sundar	3	Yes	Yes		Yes
					Facility Incharge Email	kmsr@vcet.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	200000	
					Facility Incharge Phone	96552 26262			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	800000	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	450000	
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)					
Funding Agency		IEDC		Govt. Agency (Central)		1200000					
Funding Agency		BIRAC		Govt. Agency (Central)		2700000					

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	MEENAKSHI SUNDAR K	ASSISTANT PROFESSOR	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	IOT APPLICATIONS		Outside	
2	Dr. M Maran	Professor	Idea/Innovation Development, IPR Protection & Commercialization	9

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

Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Deworming Drunch Gun - BIRAC BIG GRANT		Within	
Hemiplegia - Physiotherapy assistive device (BIRSC SOCH Award)		Outside	
Hemiplegia - Physiotherapy assistive device - i3 (AICTE -DST)		Outside	
Finger Rehap device - Smart India Hakethan 2020		Outside	
Finger Rehap device - Dr. KALAM YOUNG ACHIEVER AWARD 2019		Outside	
3	Dr.L.Andal	Professor and Head	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Experimental study of Sustainable Light Weight Green Concrete blocks		Within	
4	Dr.L.Andal	Professor and Head	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Micro Encapsulation Phase Change Material (PCM)		Within	
5	Mrs.J.P.Annie Sweetlin Jebarani	Associate Professor	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Micro Encapsulation Phase Change Material (PCM)		Within	
6	Mrs.J.P.Annie Sweetlin Jebarani	Associate Professor	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Translucent concrete using Perlite		Within	
7	Dr.T.Naveen Raj	Assistant Professor	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Geo Tracking of waste and triggering alerts and mapping with high waste index		Within	
8	Dr.T.Naveen Raj	Assistant Professor	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Wireless Sensor Landslide detection using Geospatial Technology in Nilgiris District		Within	
9	Mr.A.V.Deepan Chakravarthi	Assistant Professor	Idea/Innovation Development
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
An Experimental Investigation on partial replacement of cement by Marble dust and fine aggregate by M-sand in concrete solid blocks		Within	

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

10	Mr.M.Sathish Kumar	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Manufacturing of Flyash brick with replacement of cement by lime sludge and gypsum		Within	
11	Mr.M.Sathyanarayanan	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Behaviour of flyash based Geopolymer Mortar at Elevated temperature		Within	
12	Mrs.S.Venkatapriya	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Effect of Basalt and steel fibre on the mechanical property of concrete		Within	
13	Ms.R.Rajapriya	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Experimental study of Biogas production by increasing organic load of solid waste		Outside	
14	Ms.AU.Anumeena	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Analysis of physio chemical parameters in Vanjipatti, Melur, Madurai District		Outside	
15	Dr.V.Anbumalar	Professor	Idea/Innovation Development	21
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Pearl Millet removing Machine		Within	U29309TN2019PTC1299
16	MEENAKSHI SUNDAR K	ASSISTANT PROFESSOR	Entrepreneurship/Startup Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Multipurpose Wheel Chair		Within	
17	Mr. Karthick R	Assistant Professor	Entrepreneurship/Startup Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Drainage Gutter		Within	
18	Mr. H.Ramkumaresh	Assistant Professor	Entrepreneurship/Startup Development	6

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

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Planter		Within	
	Design and Fabrication of Planter		Within	
19	Mr. Varunkumar	Assistant Professor	Entrepreneurship/Startup Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Solar Collector using Roughness Plate		Within	
	Design and Fabrication of Solar Collector using Roughness Plate		Within	
20	Mr. Rajachandra sekar	Assistant Professor	Entrepreneurship/Startup Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Crawler Bot		Within	
	Design and Fabrication of Crawler Bot		Within	
21	Dr.T.Kamatchi	Associate Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Cardio Pulmonary Resuscitation Device (CRD)		Within	
	Design and Fabrication of Cardio Pulmonary Resuscitation Device (CRD)		Within	
22	Mr. Jegan	Assistant Professor	Entrepreneurship/Startup Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Automatic Lawn Mover		Within	
	Design and Fabrication of Automatic Lawn Mover		Within	
23	Mr. Karuppaiah Rajkumar	Assistant Professor	Entrepreneurship/Startup Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Basti Maker		Within	
	Design and Fabrication of Basti Maker		Within	
24	Mr. Vivek Prabhu	Assistant Professor	Entrepreneurship/Startup Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Egg Cleaver		Within	
	Design and Fabrication of Egg Cleaver		Within	
25	Mr. Mothilal A	Assistant Professor	Entrepreneurship/Startup Development	8

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

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Saline Level Control Mechnaism		Within	
	Design and Fabrication of Saline Level Control Mechnaism		Within	
26	Mr. Dineshkumar	Associate Professor	Entrepreneurship/Startup Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Minion Farmester		Within	
27	Dr.V.Anbumalar	Professor	Entrepreneurship/Startup Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Solar Irrigation System		Within	
28	Mr. Vivek Prabhu	Assistant Professor	Entrepreneurship/Startup Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Cascade HIVE		Within	
29	Mr.Arunsenthil Kumar	Assistant Professor	Entrepreneurship/Startup Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Automated Sprinkler Bot		Within	
30	Dr. T. Amuthan	Associate Professor	Entrepreneurship/Startup Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Fabrication of Vine Robot for Borewell Rescue		Within	
31	Dr.V.Anbumalar	Professor	Entrepreneurship/Startup Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	AUTOMATIC HAMMERING MACHINE		Within	
32	Dr.T.Kamatchi	Associate Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	MORINGA LEAF SORTER		Within	
33	MEENAKSHI SUNDAR K	ASSISTANT PROFESSOR	Entrepreneurship/Startup Development	6

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	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DESIGN AND FABRICATION OF WIRING POST MAN LIFTER	Within	
34	Mr. Dineshkumar	Associate Professor	Entrepreneurship/Startup Development
	12		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	FLOOR CLEANING MACHINE	Within	
35	Mr. Varunkumar	Assistant Professor	Entrepreneurship/Startup Development
	7		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SOLAR AIR HEATER	Within	
36	Mr. Jegan	Assistant Professor	Entrepreneurship/Startup Development
	6		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	LIMITED SLIP DIFFERENTIAL BY PNEUMATIC	Within	
37	MEENAKSHI SUNDAR K	ASSISTANT PROFESSOR	Entrepreneurship/Startup Development
	6		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DESIGN AND FABRICATION OF WIRING POST MAN LIFTER	Within	
38	Mr. Mothilal A	Assistant Professor	Entrepreneurship/Startup Development
	8		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	MULTIAXIS ROTATING TILTING TIPPER	Within	
39	Dr.A.Shunmugalatha	Professor and Head	Idea/Innovation Development
	28		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	AUTOMATIC RAILWAY GATE CONTROL AND MONITORING SYSTEM	Within	
40	Mr. H.Ramkumaresh	Assistant Professor	Entrepreneurship/Startup Development
	6		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	FABRICATION OF NATURAL MANURE FORMER WITH BIO GASIFIER	Within	
41	Mr.Arunsenthil Kumar	Assistant Professor	Entrepreneurship/Startup Development
	8		
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	FABRICATION OF AUTOMATIC HAND BRAKE RELEASE	Within	

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42	Mr. Karthick R	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Analysis of Brake Torque Fade, IIT Madras		Outside	
43	Mr. Vivek Prabhu	Assistant Professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Optimization and analysis of Electric Discharge Machining of Al-Sic material matrix composite		Within	
44	Mr. Mothilal A	Assistant Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Productivity Improvement Reducing Labour and Cycle Time in Rubber Seal, Bhargave Rubber Factory, Madurai		Outside	
45	Dr. M Maran	Professor	Entrepreneurship/Startup Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Finger rehabilitation therapy device for stroke patients V2.0		Within	
46	Mr. Rajachandra sekar	Assistant Professor	Idea/Innovation Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Mechanical properties evolution of AISI 4130 k welded joint, BHEL,Trichy		Outside	
47	MEENAKSHI SUNDAR K	ASSISTANT PROFESSOR	Idea/Innovation Development	9
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	E - Core Riveting Process, Roots Industries India Limited,Coimbatore		Outside	
48	Mr. I.Ambrose Edward	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Mix Up Analysation, Hi tech Arai Pvt Ltd, Madurai		Outside	
49	Mr. Eliivanan R	Assistant Professor	Idea/Innovation Development	20
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Integrated Reassist		Within	
50	Mr. H.Ramkumaresh	Assistant Professor	Idea/Innovation Development	8

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	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and modelling of industrial automatic heating and cooling of shells using conveyor, Hi tech Arai Pvt Ltd, Madurai		Outside	
51	Dr. T. Amuthan	Associate Professor	Idea/Innovation Development	18
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Improving Mechanical Properties of NBR used for Oil Seals by Adding Natural Filler, Bhargave Rubber Factory, Madurai		Outside	
52	Mr.Arunsenthil Kumar	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Redesigning of praga hydraulic thread rolling machine, Sundram Fasteners Limited, Krishnapuram		Outside	
53	Dr.V.Anbumalar	Professor	Idea/Innovation Development	21
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Modifications of packing system, Hi tech Arai Pvt Ltd, Madurai		Outside	
54	Mr. Dineshkumar	Associate Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Modelling Of Trimming Machine, Hi tech Arai Pvt Ltd, Madurai		Within	
55	Mr. Varunkumar	Assistant Professor	Idea/Innovation Development	18
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Experimental analysis of solar air heater using trapezoidal rib,		Within	
56	Mr. Karuppaiah Rajkumar	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Elimination of waste in garments by using lean sixsigma, Penguin Apparels, Madurai		Outside	
57	Mr. I.Ambrose Edward	Assistant Professor	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Reduction of Heat in Railway Axle Bearing, Southern Railway, Madurai		Outside	
58	Dr.V.Anbumalar	Professor	Idea/Innovation Development	30
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design, Analysis, Simulation and Development of Piezoelectric Pressure Transducer,		Outside	

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59	Dr.T.Kamatchi	Associate Professor	Idea/Innovation Development	16
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design upgradation of axle arm bush pressing machine in front axle assembly., Ashok Leyland,Chennai		Outside	
60	Mr. Jegan	Assistant Professor	Idea/Innovation Development	16
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	To Eliminate Discharge Valve Tightening and Torque Maximum Rejection, Delphi TVS,Chennai		Outside	
61	Mrs. Suruthi Devi	Assistant Professor	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Avoiding health issues and reducing cost of production through standard operating procedure, Platinum Stitch Art, Madurai		Outside	
62	Dr.A.Shunmugalatha	Professor and Head	Entrepreneurship/Startup Development	28
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	EDP		Within	
	TEDP		Within	
	EAC		Within	
	FDP		Within	
	Entrepreneurs Meet		Outside	
63	Dr.N.Karpagam	Professor	Idea/Innovation Development	23
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	HOME SECURITY FOR PHYSICALLY CHALLENGED USING SERVO MOTOR		Within	
	AUTOMATIC SPEED BREAKER USING IoT		Within	
	Accident detection and alerting system		Within	
64	Ms.M.Jajini	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Poisonous gas leakage detector using Arduino with SMS alert and sound alarm		Within	
	IOT BASED MONITORING AND CONTROLLING SYSTEM WITH DATA LOGGING FACILITY		Within	
65	Dr.R.Narmatha Banu	Professor	Idea/Innovation Development	18
	FOR(E) SIGHT :A PERCEPTIVE DEVICE TO ASSIST BLIND PEOPLE		Within	

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		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		DESIGN AND IMPLEMENTATION OF MPPT ALGORITHM USING BOOST CONVERTER FOR A SOLAR WATER PUMPING SYSTEM		Within	
		Bus Tracking System		Within	
		HIGH EFFICIENCY SINGLE-INPUT TRIPLE-OUTPUT DC-DC CONVERSION USING ZERO CURRENT SWITCHING		Within	
66	Mrs.K.Sneha	Assistant Professor	Idea/Innovation Development		6
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		REAL TIME MONITORING SYSTEM FOR HYPERTENSION PAITENT USING IoT		Within	
		IoT BASED BOMB DETECTION ROBOT		Within	
		Panic Alarm		Within	
67	Dr.S.Dhanalakshmi	Associate Professor	Idea/Innovation Development		18
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		IMPLEMENTATION OF SMART STREET LIGHT, TRAFFIC AND ENVIRONMENT TOWARDS SMART CITY		Within	
		ARTIFICIAL INTELLIGENCE BASED PREDICTION OF DRIVER'S DROWSINESS		Within	
		Smart garden monitoring system		Within	
68	Mrs.R.Saranya	Assistant Professor	Idea/Innovation Development		5
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Building Lighting Automation using DALI		Within	
		HYBRID ELECTRIC VEHICLES USING SOLAR AND WIND ENERGY		Within	
		STRESS LEVEL PREDICTION SYSTEM INTERFACED WITH IOT		Within	
69	Mr.R.J.Venkatesh	Assistant Professor	Idea/Innovation Development		20
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		IoT BASED MONITORING OF INDUCTION MOTOR PERFORMANCE		Within	
		AUTOMATED CAR PARKING SYSTEM COMMANDED BY ANDROID APPLICATION		Within	
		Hand gesture based home appliances control system		Within	
70	Mrs.M.Devaki	Assistant Professor	Idea/Innovation Development		10

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		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Blindspot Detector		Within	
		DESIGN AND FABRICATION OF WIRELESS CONTROLLED ROUGH TERRAIN VEHICLE TO DETECT AN ALIVE HUMAN IN EARTH QUAKE AREAS USING ROCKER BOGIE SUSPENSION AND EMBEDDED CONTROLLER		Within	
		TRANS-GLASS WITH CONVOLUTION NEURAL NETWORK AND LSTM		Within	
71	Mr.L.Vinoth Kumar	Assistant Professor	Idea/Innovation Development		8
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		THEFT PROTECTION SYSTEM		Within	
		SMART SHOPPING TROLLEY		Within	
72	Dr.S.Senthilrani	Assistant Professor	Idea/Innovation Development		16
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		NON DESTRUCTIVE TESTING FOR FRUIT GRADING		Within	
		AI SURVEILLANCE BASED PLATFORM TICKETING SYSTEM WITH DBMS		Within	
		Solar Powered irrigation system		Within	
73	Mrs.J.Rajeswari	Assistant Professor	Idea/Innovation Development		9
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Power generation using human footsteps		Within	
		ELUCIDATION OF CROP DISEASES AND SYSTEMATIC REVIEW OF FARMING LAND		Within	
		BOAT SURVEILLANCE AND CLASSIFICATION OF FISH USING NEURAL NETWORK		Within	
74	Dr.A.Radhika	Assistant Professor	Idea/Innovation Development		17
		Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		AUTONOMOUS LINE FOLLOWING SURVEILLANCE ROBOT WITH FITTED WITH PI-CAMERA, THERMAL SENSING AND OBSTACLE DETECTION CAPABILITY		Within	
		IOT BASED FAULT DETECTION IN OVER HEAD TRANSMISSION LINE		Within	
		Home security system		Within	
75	Mr.A.Om Prakash	Assistant Professor	Idea/Innovation Development		7

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80	Mr.A.Madhan	Assistant Professor	Idea/Innovation Development	6											

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FDP	Outside																	
82	Mrs.B.Kiruthiga	Assistant Professor	Entrepreneurship/Startup Development	13														
	<table border="1"> <thead> <tr> <th>Name of Idea/Innovation/ Startup Mentored</th> <th>Mentoring Setup [Within (or) Outside] HEI</th> <th>CIN (in case it is Startup)</th> </tr> </thead> <tbody> <tr> <td>EAC</td> <td>Within</td> <td></td> </tr> <tr> <td>EDP</td> <td>Within</td> <td></td> </tr> <tr> <td>TEDP</td> <td>Within</td> <td></td> </tr> <tr> <td>FDP</td> <td>Outside</td> <td></td> </tr> </tbody> </table>		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	EAC	Within		EDP	Within		TEDP	Within		FDP	Outside		
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)																
EAC	Within																	
EDP	Within																	
TEDP	Within																	
FDP	Outside																	
83	Mr. Rajachandra sekar	Assistant Professor	Idea/Innovation Development	11														
	<table border="1"> <thead> <tr> <th>Name of Idea/Innovation/ Startup Mentored</th> <th>Mentoring Setup [Within (or) Outside] HEI</th> <th>CIN (in case it is Startup)</th> </tr> </thead> <tbody> <tr> <td>Design & Optimization of static and dynamic layout in process industry</td> <td>Outside</td> <td></td> </tr> </tbody> </table>		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	Design & Optimization of static and dynamic layout in process industry	Outside											
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)																
Design & Optimization of static and dynamic layout in process industry	Outside																	
84	Mr. Jegan	Assistant Professor	Idea/Innovation Development	12														
	<table border="1"> <thead> <tr> <th>Name of Idea/Innovation/ Startup Mentored</th> <th>Mentoring Setup [Within (or) Outside] HEI</th> <th>CIN (in case it is Startup)</th> </tr> </thead> <tbody> <tr> <td>Tracking of bundle using RFIDTechnology</td> <td>Outside</td> <td></td> </tr> </tbody> </table>		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)	Tracking of bundle using RFIDTechnology	Outside											
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)																
Tracking of bundle using RFIDTechnology	Outside																	
85	Mr.Arunsenthil Kumar	Assistant Professor	Idea/Innovation Development	8														
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Design and fabrication of gestured controlled power module for paralyzed & blind people	Within																	
86	Dr. M Maran	Professor	Idea/Innovation Development	15														
	<table border="1"> <thead> <tr> <th>Name of Idea/Innovation/ Startup Mentored</th> <th>Mentoring Setup [Within (or) Outside] HEI</th> <th>CIN (in case it is Startup)</th> </tr> </thead> <tbody> </tbody> </table>		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)													
Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)																

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

87	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
88	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
89	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
90	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
91	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
92	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
93	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
94	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
95	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
96	Dr. M Maran	Professor	Idea/Innovation Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
97	Dr. M Maran	Professor	Idea/Innovation Development	16
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
98	Dr. M Maran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
99	Dr. M Maran	Professor	Idea/Innovation Development	15

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

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
100	Dr.S.Vasuki	Professor and Head	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Development of Smart Monitoring unit for Kindergarten Children and Old age people		Outside	
101	Dr.P.Karthikeyan	Associate Professor	Idea/Innovation Development	18
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Development of Smart Monitoring unit for Kindergarten Children and Old age people		Outside	
102	Dr.S.Vasuki	Professor and Head	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Decentralised Grid Computing Intrusion Detection System in Wireless Sensor Networks for Military Personne		Outside	
103	Dr.A.Babu Karuppaiah	Professor	Idea/Innovation Development	17
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Decentralised Grid Computing Intrusion Detection System in Wireless Sensor Networks for Military Personne		Outside	
104	Dr.S.Vasuki	Professor and Head	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Intelligent Automated Respiratory Monitoring and Control Unit using LabVIEW		Outside	
105	Dr.S.Vasuki	Professor and Head	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Development of Automated Object Definition & Classification Algorithm in Hyperspectral Images for Battlefield Surveillance System		Outside	
106	Dr.P.Karthikeyan	Associate Professor	Idea/Innovation Development	18
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Development of Automated Object Definition & Classification Algorithm in Hyperspectral Images for Battlefield Surveillance System		Outside	
107	Dr.S.Vasuki	Professor and Head	Idea/Innovation Development	26
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	NadiPariksha – Resurrection Using Advancement in Signal Processing Techniques Center		Outside	

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

108	Dr.K.Kavitha	Associate Professor	Idea/Innovation Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	NadiPariksha – Resurrection Using Advancement in Signal Processing Techniques Center		Outside	
109	Dr.P.Suveetha Dhanaselvam	Associate Professor	Idea/Innovation Development	18
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Teachers Associateship for Research Excellence (TARE) Center		Outside	
110	Dr.A.Babu Karuppaiah	Professor	Idea/Innovation Development	17
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Lifesaving IoT based hazardous gas monitoring and drainage block detection and removal system to prevent manual scavenging Center		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	IIT Madras	Idea/Innovation Development	Unstructured Mentorship
2	Bhargave Rubber Factory, Madurai	Idea/Innovation Development	Unstructured Mentorship
3	BHEL,Trichy	Idea/Innovation Development	Unstructured Mentorship
4	Roots Industries India Limited,Coimbatore	Idea/Innovation Development	Unstructured Mentorship
5	Hi tech Arai Pvt Ltd, Madurai	Idea/Innovation Development	Unstructured Mentorship
6	Sundram Fasteners Limited, Krishnapuram	Idea/Innovation Development	Unstructured Mentorship
7	Hi tech Arai Pvt Ltd, Madurai	Idea/Innovation Development	Unstructured Mentorship
8	Penguin Apparels,Madurai	Idea/Innovation Development	Unstructured Mentorship
9	Southern Railway,Madurai	Idea/Innovation Development	Unstructured Mentorship
10	Ashok Leyland,Chennai	Idea/Innovation Development	Unstructured Mentorship
11	Delphi TVS,Chennai	Idea/Innovation Development	Unstructured Mentorship
12	Platinum Stitch Art, Madurai	Idea/Innovation Development	Unstructured Mentorship
13	Mr.A.Aravind Raj, R&D Engineer,ABB Global Industries and Services Pvt.Ltd,Chennai.	Entrepreneurship/Startup Development	Unstructured Mentorship
14	Er.Suresh Kumar G, Co-Funder & CEO, MacAppStudio,Chennai.	Entrepreneurship/Startup Development	Unstructured Mentorship
15	Mr.Santhosh Muruganantham , Co Founder&MD,Kolapasi ,Chennai	Entrepreneurship/Startup Development	Unstructured Mentorship
16	Er.Archana Stalin , Founder, Myharvest Farms ,Chennai.	Entrepreneurship/Startup Development	Unstructured Mentorship
17	Mr.R.Vajravel, Chairman, Vajraa Dhurka Herbal Vajramaala Agro Foods,Chinnamanur,Theni	Entrepreneurship/Startup Development	Unstructured Mentorship

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

18	Mr.R.Aravind , Proprietor, Meenakshi Amman Paal Pannai Restaurant, Palanganatham Madurai	Entrepreneurship/Startup Development	Unstructured Mentorship
19	Nevendra Pandian R CEO,SNP Dairy, Madurai	Entrepreneurship/Startup Development	Unstructured Mentorship
20	Mr.R.Vasirajan, Nodal officer, KVIC, Madurai.	Entrepreneurship/Startup Development	Unstructured Mentorship
21	Mr.M.Selva Kumar, Advocate, Motivational Speaker, Madurai.	Entrepreneurship/Startup Development	Unstructured Mentorship
22	Mr. AdityaGanesh Managing Director , Madhuram Group of Companies, Madurai.	Entrepreneurship/Startup Development	Unstructured Mentorship
23	Mr.J.K.Muthu, Managing Director, Mukil Media Network, Madurai.	Entrepreneurship/Startup Development	Unstructured Mentorship
24	Mr.Sivaayanan, Project Director(Rtd) , EDII, Madurai	Entrepreneurship/Startup Development	Unstructured Mentorship
25	Mrs.S.Nithiya, ARR Package, SIDCO, Kappalur, Madurai	Entrepreneurship/Startup Development	Unstructured Mentorship
26	Mr.Raja, Senior Officer, Tamilnadu Industrial Investment Corporation Ltd(TIIC), Madurai	Entrepreneurship/Startup Development	Unstructured Mentorship
27	Peacock apparels	Idea/Innovation Development	Unstructured Mentorship
28	Mr.L.Prasath, sundaram fastners limited	Idea/Innovation Development	Unstructured Mentorship
29	Mr. Arun Venkatesh, Hi- Tech Arai	Idea/Innovation Development	Unstructured Mentorship
30	Mr.A. Lakshmi narasimhan, "Bhargavi private limited "	Idea/Innovation Development	Unstructured Mentorship
31	Mr.A. Jenio Franklin, "TOOLFAB ENGINEERING INDUSTRY"	Idea/Innovation Development	Unstructured Mentorship
32	R.M.S Autokast private limited	Idea/Innovation Development	Unstructured Mentorship
33	Mr.A.Thamaraikannan, Ruby foods	Idea/Innovation Development	Unstructured Mentorship
34	Mr.I.Rengaswamy, "AMCO BATTERIES, CHENNAI"	Idea/Innovation Development	Unstructured Mentorship
35	Rail Net	Idea/Innovation Development	Unstructured Mentorship
36	TVS Rubber	Idea/Innovation Development	Unstructured Mentorship

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
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1	Design of Automated Robot for Drainage Systems using IoT Platform	Product Innovation	Technological	Electrical and Electronics Engineering	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 100000	No	Amount Received in Rs. 100000
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Name	Type	Gender	Email	Contact
Dr.A.Shunmugalatha	Faculty	Female	asl@vcet.ac.in	9789302741

Name	Type	Gender	Email	Contact
Dr.R.NarmathaBanu	Faculty	Female	r.n.banu@vcet.ac.in	9842619855
Mrs.B.Kiruthiga	Faculty	Female	bki@vcet.ac.in	9786974570

2	Automated Car Parking System Commanded By Android Application	Product Innovation	Technological	Electrical and electronics Engineering	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 10000	No	Amount Received in Rs. 100000
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Name	Type	Gender	Email	Contact
Dr.A.Shunmugalatha	Faculty	Female	asl@vcet.ac.in	9789302741

Name	Type	Gender	Email	Contact
Mr.R.J.Venkatesh	Faculty	Male	rjv@vcet.ac.in	9283302578

3	Implementation Of Smart Street Light, Traffic And Environment Towards Smart City	Product Innovation	Technological	EEE VCET	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs	10000	No	Amount Received in Rs.	100000
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Name	Type	Gender	Email	Contact
Dr.A.Shunmugalatha	Faculty	Female	asl@vcet.ac.in	9789302741

Name	Type	Gender	Email	Contact
Dr.S.Dhanalakshmi	Faculty	Female	s.d.lakshmi@vcet.ac.in	9443214082

4	Modern Technology of GSM Based Remote Monitoring and Analysis System	Product Innovation	Technological	EEE VCET	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs	100000	No	Amount Received in Rs.	100000
---	--	--------------------	---------------	----------	-----------------	--	--	--------------------------------	----	----	--------------------	--------	----	------------------------	--------

Name	Type	Gender	Email	Contact
Dr.A.Shunmugalatha	Faculty	Female	asl@vcet.ac.in	9789302741

Name	Type	Gender	Email	Contact
Dr.R.NarmathaBanu,	Faculty	Female	r.n.banu@vcet.ac.in	9842619855
Mr.A.OmPrakash	Faculty	Male	aop@vcet.ac.in	8667665803

5	Autonomous Line Following Surveillance Robot Fitted With Pi-camera, Thermal Sensing And Obstacle Detection Capability	Product Innovation	Technological	EEE VCET	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs	100000	No	Amount Received in Rs.	100000
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Name	Type	Gender	Email	Contact
Autonomous Line Following Surveillance Robot Fitted With Pi-camera, Thermal Sensing And Obstacle Detection Capability	Faculty	Female	asl@vcet.ac.in	9789302741

Name	Type	Gender	Email	Contact
Dr.A.Radhika,	Faculty	Female	ark@vcet.ac.in	8610702920

6	DEWORMING DRENCH GUN	Product Innovation	Technological	IKP, BIRAC BIG PARTNER / CIPD - VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY	Staff	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	Innovation Development Completed	Agency Name BIRAC	Agency Type Govt. Agency (Central)	Award / Position / Recognition Secured BIRAC IKP 0614 BIG	No	Grant Amount in Rs	1500000	No
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Name	Type	Gender	Email	Contact
Dr M Maran	Faculty	Male	mmn@vcet.ac.in	9486148594

Name	Type	Gender	Email	Contact
Mr. M. Vivek Parbhu	Faculty	Male	mvp@vcet.ac.in	9791100705

7	Smart Solar Cooker	Product Innovation	Technological	DST	Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
B.VARUN KUMAR	Faculty	Male	bvk@vcet.ac.in	9500751974

Name	Type	Gender	Email	Contact
M.RAJA CHANDRA SEKAR	Faculty	Male	rsc@vcet.ac.in	9944063309

8	Hemiplegia and Finger Rehabilitation Therapy Device for Stroke patients	Product Innovation	Technological	CIPD Velammal college of Engineering and Technology	Staff	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name	DST	No	No	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	R and D Grant				

Name	Type	Gender	Email	Contact
Dr. M Maran	Faculty	Male	mmn@vcet.ac.in	9486148594

Name	Type	Gender	Email	Contact
Dr. T. Kamatchi	Faculty	Male	tkt@vcet.ac.in	9994444277
Mr. M. Vivek Prabhu	Faculty	Male	mvp@vcet.ac.in	9791100705
Mr. K. Meenakshi Sundar	Faculty	Male	kms@vcet.ac.in	9655226262

9	Natural Sisal fiber reinforced hybrid composite chairs and construction bricks	Product Innovation	Technological	MSME SUPPORTED BI	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Karthick		Student			Male		rkk@vcet.ac.in			9952517223			
10	Equipment for plantation agricultural automation.	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
V.K.Sarang		Student			Male		vam@vcet.ac.in			9489589151			
Name		Type			Gender		Email			Contact			
Dr. V. Anbumalar		Faculty			Male		vam@vcet.ac.in			9486485148			

11	Conveyor fed fish scaling machine	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
C.Mathan		Student			Male		kmsr@vcet.ac.in			8220717697			
12	Saline bottle level indicator.	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.N.Ramprasath		Student			Male		kmsr@vcet.ac.in			8903208978			
Name		Type			Gender		Email			Contact			
A. Mothilal		Faculty			Male		aml@vcet.ac.in			9790100446			

13	Semi-Automatic dish washer for Indian utensils.	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Athava moothy		Student			Male		kmsr@vcet.ac.in			9600369126			
14	Mechanized step in automatic flushing system without sensor and spring platform (include mobile urinals).	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
S.Emmanual Richards		Student			Male		kmsr@vcet.ac.in			9986168846			
Name		Type			Gender		Email			Contact			
Dr. G. Manikandan		Faculty			Male		gmk@vcet.ac.in			9600375600			

15	Low cost high efficient sugar cane peeler.	Product Innovation	Technological	MSME	External to the Institute/Incubatee	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Mr.Sundara moorthy		Incubatee Entrepreneur			Male		kmsr@vcet.ac.in			9585595447			
16	Semi-Automatic rubber tapping machine.	Product Innovation	Technological	MSME	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
S.Emmanuel Richards		Student			Male		kmsr@vcet.ac.in			9986168846			
17	Design and Fabrication of Vine Robot for Borewell Rescue	Product Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

18												
Name		Type				Gender			Email			Contact
Dr. T. Amuthan		Faculty				Male			tam@vcet.ac.in			8012957158
Name		Type				Gender			Email			Contact
M. Vivek Prabhu		Faculty				Male			mvp@vcet.ac.in			9791100705
18												
Design and Fabrication of Automated Sprinkler Bot	Product Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type				Gender			Email			Contact
Arun Senthil Kumar a		Faculty				Male			aask@vcet.ac.in			9894363373
Name		Type				Gender			Email			Contact
RISHIKUMAR S		Student				Male			-			8667866392
19												
Design and Fabrication of Cascade HIVE	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type				Gender			Email			Contact
M Vivek Prabhu		Faculty				Male			mvp@vcet.ac.in			9791100705
Name		Type				Gender			Email			Contact
Dr. T. Amuthan		Faculty				Male			tam@vcet.ac.in			8012957158
Dr. T. Amuthan		Faculty				Male			tam@vcet.ac.in			8012957158

20	Design and Fabrication of Solar Irrigation System	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. V. Anbumalar		Faculty			Male			vam@vcet.ac.in			9486485148		
Name		Type			Gender			Email			Contact		
VALAMPURI MADHAN K		Student			Male			vam@vcet.ac.in			9025998441		
VALAMPURI MADHAN K		Student			Male			vam@vcet.ac.in			9025998441		
21	Design and Fabrication of Minion Farmester	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr. N. Dinesh Kumar		Faculty			Male			ndk@vcet.ac.in			9486118078		
Name		Type			Gender			Email			Contact		
KISHOR KANNAN S		Student			Male			ndk@vcet.ac.in			8300924815		
22	Design and Fabrication of Egg Cleaver	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Mr. M. Vivek Prabhu	Faculty	Male	mvp@vcet.ac.in	9791100705

Name	Type	Gender	Email	Contact
Dr. T. Amuthan	Faculty	Male	tam@vcet.ac.in	8012957158

23	Design and Fabrication of Basti Maker	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr. M. Karupiah Rajkumar	Faculty	Male	mkrk@vcet.ac.in	9940769641

Name	Type	Gender	Email	Contact
Dr. T. Amuthan	Faculty	Male	tam@vcet.ac.in	8012957158

24	Design and Fabrication of Solar Collector using Roughness Plate	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Varun Kumar B	Faculty	Male	bvk@vcet.ac.in	9500751974

Name	Type	Gender	Email	Contact
Dr. T. Amuthan	Faculty	Male	tam@vcet.ac.in	8012957158

25	REASSIST	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Dr. T. Amuthan		Faculty			Male			tam@vcet.ac.in		8012957158			
Name		Type			Gender			Email		Contact			
Dr. T. Kamatchi		Faculty			Male			tkt@vcet.ac.in		9994444277			
26	Design and Fabrication of Automatic Lawn Mover	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Mr. B. Jegan		Faculty			Male			bj@vcet.ac.in		8667086386			
Name		Type			Gender			Email		Contact			
LOGENDRAN S		Student			Male			tam@vcet.ac.in		8012957158			

27	Design and Fabrication of Green Sprayer	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Dr. N. Eswara Prasath		Faculty			Male		nep@vcet.ac.in		9944142856				
Name		Type			Gender		Email		Contact				
KARTHIK M		Student			Male		tam@vcet.ac.in		7339040040				
28	AUTOMATIC HAMMERING MACHINE	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
DR.V.ANBUMALAR		Faculty			Male		vam@vcet.ac.in		9486485148				
Name		Type			Gender		Email		Contact				
Sakthivel K		Student			Male		krishnansakthivel81@gmail.com		7397644595				

29	MORINGA LEAF SORTER	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
DR.T.KAMATCHI		Staff			Male			tkt@vcet.ac.in			9994444277		
Name		Type			Gender			Email			Contact		
Mahesh Kumar.K		Student			Male			krmaheshkumar30@gmail.com			9443506499		
30	PNEUMATIC PIPE SLOT CUTTING MACHINE	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Mr.H.Ramkumaresh		Faculty			Male			hrk@vcet.ac.in			9659389874		
Name		Type			Gender			Email			Contact		
Nowfal Rishwaan		Student			Male			anrishwaan@gmail.com			9894267840		

31	DESIGN AND FABRICATION OF WIRING POST MAN LIFTER	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
MR.K.MEENAKSHISUNDARAM		Faculty			Male		kms@vcet.ac.in			9655226262			
Name		Type			Gender		Email			Contact			
Shanmugapandi.S		Student			Male		shanmugapandi0021@gmail.com			9655362498			
32	FLOOR CLEANING MACHINE	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
MR.N.DINESH KUMAR		Staff			Male		ndk@vcet.ac.in			9486118078			
Name		Type			Gender		Email			Contact			
Hemanth.R		Student			Male		hemanthfelseto@gmail.com			9042743208			

33	SOLAR AIR HEATER	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
MR.B.VARUNKUMAR		Faculty			Male			bvarunkumar09@gmail.com		9500751974			
Name		Type			Gender			Email		Contact			
Kathiravan.M		Student			Male			kathiravanmohan19@gmail.com		8072778343			
34	LIMITED SLIP DIFFERENTIAL BY PNEUMATIC	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email		Contact			
MR.B.JEGAN		Faculty			Male			jeg@vcet.ac.in		8667086386			
Name		Type			Gender			Email		Contact			
Jayabalan.S		Student			Male			jayabalans.mnm@gmail.com		8778135218			

35	MULTIAXIS ROTATING TILTING TIPPER	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
MR.A.MOTHILAL		Faculty			Male		aml@vcet.ac.in			9790100446			
Name		Type			Gender		Email			Contact			
Rajasekar.V		Student			Male		sekarraja535@gmail.com			8903674521			
36	COCONUT CUTTING AND GRATING MACHINE	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
MR.M.KARUPPAIAHRAJKUMAR		Staff			Male		mkrk@vcet.ac.in			7010131334			
Name		Type			Gender		Email			Contact			
Logesh.N.R		Student			Male		firemanlogesh@gmail.com			9677983069			

37	NATURAL MANURE FORMER WITH BIO GASIFIER	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
MR.H.RAMKUMARESH		Faculty			Male			hrk@vcet.ac.in			9659389874		
Name		Type			Gender			Email			Contact		
Nirmal Kumar P		Student			Male			nirmalkumarpro1@gmail.com			7811978850		
38	FABRICATION OF AUTOMATIC HAND BRAKE RELEASE	Product Innovation	Technological		Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
MR.A.ARUN SENTHIL KUMAR		Faculty			Male			aask@vcet.ac.in			9894363373		
Name		Type			Gender			Email			Contact		
Vigneshwaran.C		Student			Male			srtvicky10@gmail.com			8508278396		

39	On the GO NPK Macro Nutrients sensing in soil	Product Innovation	Technological	ECE Department R&D Lab	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	Agency Name Ministry of Human Resource	Agency Type Govt. Agency (Central)	Award / Position / Recognition Secured Smart India Hackathon 2019 Hardware Edition Finalist	No	No	No	No
Name		Type			Gender			Email			Contact				
Dr P Karthikeyn		Faculty			Male			pkn@vcet.ac.in			8072313500				
Name		Type			Gender			Email			Contact				
Gnana Jothika K		Student			Female			jothikakanagaraj@gmail.com			9585069813				

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

Sr no	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	KAVM Productions Private Limited	Process Innovation	Technological	5155	Student-Faculty	Venture with Corporate Identification Number (CIN) Registration U29309TN2019PTC129912	2019-20	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs 700000	No	No																															
<table border="1"> <thead> <tr> <th>Name</th> <th>DIN number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>M.AJITHKUMAR</td> <td>08566685</td> <td>Student</td> <td>Male</td> <td>ajithmuthu799@gmail.com</td> <td>8489661303</td> </tr> <tr> <td>Dr.V.ANBUMALAR</td> <td>08482107</td> <td>Faculty</td> <td>Male</td> <td>dranbumalarv@gmail.com</td> <td>9486485148</td> </tr> <tr> <td>J MOHANPRAKASH</td> <td>08482109</td> <td>Student</td> <td>Male</td> <td>mohanprakash462@gmail.com</td> <td>9952199767</td> </tr> <tr> <td>R Viswanathan</td> <td>08482108</td> <td>Student</td> <td>Male</td> <td>viswaram2607@gmail.com</td> <td>8248713896</td> </tr> </tbody> </table>														Name	DIN number	Type	Gender	Email	Contact	M.AJITHKUMAR	08566685	Student	Male	ajithmuthu799@gmail.com	8489661303	Dr.V.ANBUMALAR	08482107	Faculty	Male	dranbumalarv@gmail.com	9486485148	J MOHANPRAKASH	08482109	Student	Male	mohanprakash462@gmail.com	9952199767	R Viswanathan	08482108	Student	Male	viswaram2607@gmail.com	8248713896
Name	DIN number	Type	Gender	Email	Contact																																						
M.AJITHKUMAR	08566685	Student	Male	ajithmuthu799@gmail.com	8489661303																																						
Dr.V.ANBUMALAR	08482107	Faculty	Male	dranbumalarv@gmail.com	9486485148																																						
J MOHANPRAKASH	08482109	Student	Male	mohanprakash462@gmail.com	9952199767																																						
R Viswanathan	08482108	Student	Male	viswaram2607@gmail.com	8248713896																																						

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
1	DST-NSTEDB(EDII)	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	17-06-2020

2	DST-NSTEDB(EDII)	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	17-06-2020
3	Siemens, NIT Trichy Campus	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	215	31-12-2019
4	SIMENS CENTRE OF EXCELLENCE IN MANUFACTURING-NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	31-12-2019
5	FACILIIATION CENTRE AND MSME - TDC CAMPUS TO CORPORATE PROGRAM	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	30	26-08-2019
6	SRI LAKSHMI MILLS	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	10	22-02-2019
7	MITHUN METALS	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	5	22-02-2019
8	BIRAC-BIG	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	0	01-01-2019
9	THORS E LEARNING	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	50	01-01-2019
10	SYSTEMS AND AUTOMATION	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	2	01-01-2019
11	INTELLIGENCE QUALITY	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	50	01-01-2019
12	3D MAKERS CADD ACADEMY	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	100	01-01-2019
13	Tesla Minds, Chennai	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	25	02-05-2019

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	Smart Electricity Controller for Domestic	201941017694	National	2019 - 05	Uploaded

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

No Data Filled!

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

No Data Filled!

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

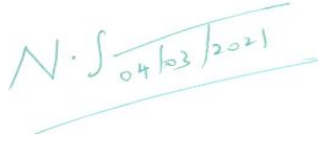
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. SURESH KUMAR N (Head of Institute) and Dr. ANBUMALAR. V (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

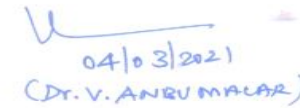
The Head of Institute



N. S. 04/03/2021

Dr. SURESH KUMAR N
Head of the Institution,
MADURAI, Tamil Nadu

Nodal officer



04/03/2021
(Dr. V. ANBUMALAR)

Dr. ANBUMALAR. V
Nodal Officer,
MADURAI, Tamil Nadu