



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: PSNA College of Engineering and Technology, Dindigul [ARI-C-26783]

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	PSNA IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Innovation -patent filling, facilitating researchers for carrying out research projects, consultancy works and testing works	UG / PG / PhD	Technical	350	250	60
2	PSNA-Research Cell	Research Unit / Park	Geotechnical Engineering, Water Resources, Environmental Engineering, Remote Sensing, production, design, manufacturing, industrial, thermal engineering, CAD/CAM and materials, Image processing group, VLSI group, Signal processing and Communication group, Information Retrieval group, Networking group and Medical electronics group, Power Systems, Power Electronics, Applied Electronics, and Energy , Soft Computing, Data Mining, Image Processing, Network Security, Wireless Sensor Networks , Grid a	UG / PG / PhD	Technical	230	250	55
3	PSNA Pre-incubation cell	Pre-incubation unit	My idea contest, Design, Prototype, Startup	UG / PG / PhD	Technical	1500	250	67
4	PSNA -Industry Institute Interaction cell	Industry Institute Interface Unit	Industry focused training, Creating Industrial lab Infrastructure	UG / PG / PhD	Technical	1890	240	54
5	PSNA CET	Academic Department with lab facility	Signing MoU with Industries , creating Industry Lab Infrastructure	UG / PG / PhD	Technical	3690	340	123

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6	PSNA Centre of Excellence PSNA - BENTLEY Future Fit Lab, V Land Best Hub, CNC Training Centre, Vibration Data Acquisition, Key Sight Centre for Excellence, Lab View Academy by National Instruments, Texas Instruments Innovation Lab, PSNA Siemens Centre of Excellence, PSNA Voltech, PSNA Bluetrons, IBM Private Ltd, Intel Intelligent Lab, Automation Anywhere - Robotic Process Automation, Dlink	Centre of Excellence with Advance Tools & Equipment	Structural Geosynthesis, Designing, Production and Manufacturing, IoT, Wireless Sensor Networks, Image Processing, Energy, Automation and Drives, Switch Gear and Production, Robotics, Cloud, Machine Learning, AI, Cyber Security, Big Data, RPA	UG / PG / PhD	Technical	4128	248	52
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Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201810376
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	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	The Patent Week	IPR	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	01-10-2019 00:00:00	05-10-2019 00:00:00	5	Within Campus	450	0	0	0	450	No	No
2	Identifying business opportunities	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Master of Business Administration	03-04-2019 00:00:00	03-04-2019 00:00:00	1	Within Campus	60	7	0	0	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No
3	Digital marketing	Innovation	Motivational speak	Institute Lead Activity	Master of Business Administration	08-04-2019 00:00:00	08-04-2019 00:00:00	1	Within Campus	120	17	0	0	137	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No

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4	Business Quiz	Innovation	Innovation Contest	Student Lead Activity	Master of Business Administration	19-04-2019 00:00:00	19-04-2019 00:00:00	1	Within Campus	120	6	60	2	188	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
5	Guest lecture on Branding	Innovation	Seminar	Institute Lead Activity	Master of Business Administration	24-04-2019 00:00:00	24-04-2019 00:00:00	1	Within Campus	120	5	0	0	125	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
6	Starting a SSI unit - Procedures	Entrepreneurship/Start-up	Awareness	Institute Lead Activity	Master of Business Administration	30-04-2019 00:00:00	30-04-2019 00:00:00	1	Within Campus	60	3	0	0	63	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
7	Business plan and Financial aspects of Small Scale Units	Entrepreneurship/Start-up	Training	Institute Lead Activity	Master of Business Administration	13-05-2019 00:00:00	13-05-2019 00:00:00	1	Within Campus	120	15	74	4	213	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
8	Guest lecture on Service Marketing	Entrepreneurship/Start-up	Seminar	Institute Lead Activity	Master of Business Administration	09-04-2019 00:00:00	09-04-2019 00:00:00	1	Within Campus	40	5	0	0	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
9	Product Development Phases –Story Telling (Innovators in Campus)	Innovation	Mentoring Session	Institute Lead Activity	Master of Business Administration	05-12-2019 00:00:00	05-12-2019 00:00:00	1	Within Campus	120	15	0	0	135	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
10	Guest lecture on Entrepreneurship – What to do and not to do	Entrepreneurship/Start-up	Seminar	Institute Lead Activity	Master of Business Administration	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	120	4	0	0	124	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No

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11	Faculty Development Program Draft a winning funding proposal	Innovation	Motivational speak	Institute Lead Activity	Master of Business Administration	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	0	30	0	15	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
12	Guest lecture on Challenges and opportunities in Food industry	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Master of Business Administration	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	120	10	0	0	130	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
13	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Master of Business Administration	11-09-2019 00:00:00	13-09-2019 00:00:00	3	Within Campus	120	5	34	2	161	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
14	Schemes for Entrepreneurs	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Master of Business Administration	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	120	8	0	0	128	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
15	CSIR sponsored 2 days seminar on emerging advancement in block chain technology and crypto currency	IPR	Seminar	Student Lead Activity	Information Technology	12-07-2019 00:00:00	13-07-2019 00:00:00	2	Within Campus	60	5	0	10	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	No
16	Internal Hackathon for smart india Hackathon 2020	Innovation	Hackathon	Student Lead Activity	Information Technology	20-01-2020 00:00:00	20-01-2020 00:00:00	1	Within Campus	30	0	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
17	Two days workshop on Internet of Things (IoT)	Innovation	Awareness	Institute Lead Activity	Department of Computer Science and Engineering	13-02-2020 00:00:00	14-02-2020 00:00:00	2	Within Campus	67	3	0	0	70	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	46100	No

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18	IEEE Students Chapter Inauguration and Mini tutorial on " Big Data & Machine Learning & its Applications"	Innovation	Innovation Contest	Student Lead Activity	Department of Computer Science and Engineering and IEEE Student Chapter	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Within Campus	71	3	0	0	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	19658	No
19	A six day Sales force training programme on ADX-201 Salesforce Administrator Conducted by ICT Academy in collaboration with Sales Force	Innovation	Innovation Contest	Institute Lead Activity	Department of Computer Science and Engineering	23-09-2019 00:00:00	28-09-2019 00:00:00	6	Within Campus	50	5	0	0	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2826	No
20	Three days hands-on training on " IoT and its Applications"	Innovation	Awareness	Institute Lead Activity	Department of Computer Science and Engineering	29-08-2019 00:00:00	31-08-2019 00:00:00	3	Within Campus	80	3	0	0	83	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	162870	No
21	Awareness Programme of Digital Marketing	Entrepreneurship/Innovation	Awareness	Institute Lead Activity	Department of Computer Science and Engineering	23-07-2019 00:00:00	23-07-2019 00:00:00	1	Within Campus	95	0	0	0	95	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
22	Smart India Hackathon 2020 Intra department	Innovation	Innovation Contest	Institute Lead Activity	Biomedical Engineering	18-01-2020 00:00:00	18-01-2020 00:00:00	1	Within Campus	9	11	0	0	20	No	No	
23	3D modelling and 3D scanning Technology	Innovation	Training	Institute Lead Activity	Civil Engineering	06-09-2019 00:00:00	07-09-2019 00:00:00	2	Within Campus	54	5	0	0	59	No	No	

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24	Sustainable Environment Need of the Hour	Entrepreneurship/Startup	Training	Institute Lead Activity	Civil Engineering	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Within Campus	200	10	0	0	210	No	No	
25	Technoamp-Project contest	Innovation	Innovation Contest	Institute Lead Activity	Department of Electronics And Communication Engineering	03-08-2019 00:00:00	03-08-2019 00:00:00	1	Within Campus	50	0	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2800	No
26	Application of VLSI technology in healthcare	Innovation	Skill development	Institute Lead Activity	Department of Electronics And Communication Engineering	05-02-2020 00:00:00	06-02-2020 00:00:00	2	Within Campus	8	5	7	5	25	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	23500	No
27	Infusing research attitude through patents and designs	IPR	Training	Institute Lead Activity	PSNA IPR cell and Department of EEE	29-04-2019 00:00:00	29-04-2019 00:00:00	1	Within Campus	10	15	6	12	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2100	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/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	GyanMitra 20, Techno Management Symposium	Innovation	Workshop	Mepco Schlenk Engineering college, Sivakasi	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	3	0	3	No	---	---	No	No	
2	Electric Two Wheeler Design	Innovation	Workshop	Madras Institute of Technology Campus, Anna University, Chennai	Educational Institute	25-01-2020 00:00:00	26-01-2020 00:00:00	2	2	0	2	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1000	No

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3	TESSAL T 2K19	Innovation	Start-up Conclave	SSM institute of engineering and technology, Dindigul	Educational Institute	27-09-2019 00:00:00	27-09-2019 00:00:00	1	5	0	5	Yes	-	-	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>-</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>-</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	-	Title of Innovation / Start-up Secured the Award / Recognition	-	Award/Recognition/Achievement Received for	
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4	VIT Hack 2019	Innovation	Hackathon	Vellore Institute of Technology, Vellore	Educational Institute	20-09-2019 00:00:00	22-09-2019 00:00:00	3	1	0	1	No	---	---	No	No						
5	POWVAZ -2K19	Innovation	Seminar	P.A college of engineering and technology, Coimbatore	Educational Institute	21-09-2019 00:00:00	21-09-2019 00:00:00	1	2	0	2	No	---	---	No	No						
6	TECHYU KA 2K19	Innovation	Start-up Conclave	RAMCO institute of technology, Rajapalayam	Educational Institute	31-08-2019 00:00:00	31-08-2019 00:00:00	1	20	0	20	Yes	-	-	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>-</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>-</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	-	Title of Innovation / Start-up Secured the Award / Recognition	-	Award/Recognition/Achievement Received for	
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7	GenNext 2019	Innovation	Start-up Conclave	Velammal college of engineering and technology, Madurai	Educational Institute	30-08-2019 00:00:00	30-08-2019 00:00:00	1	16	0	16	Yes	-	-	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>-</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>-</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	-	Title of Innovation / Start-up Secured the Award / Recognition	-	Award/Recognition/Achievement Received for	
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8	Kurushetra 2020	Innovation	Start-up Conclave	College of Engineering, Guindy	Educational Institute	12-02-2020 00:00:00	16-02-2020 00:00:00	5	6	0	6	Yes	-	-	No				Award / Position / Recognition Secured	-
																			Title of Innovation / Start-up Secured the Award / Recognition	-
																			Award/Recognition/Achievement Received for	
9	Data Science using R	Innovation	Skill development	NITTTR, Chandigarh	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	0	29	29	No	---	---		Total Total Expense Amount Incurred by Institute? (In Rupees)	5435		No	
10	Blockchain and Bitcoin fundamentals	Innovation	Seminar	ICT Academy	Corporate / Industry Association	29-03-2020 00:00:00	29-03-2020 00:00:00	1	0	1	1	No	---	---	No				No	
11	Game Development using PyGame	Innovation	Skill development	Guvi	Corporate / Industry Association	30-03-2020 00:00:00	30-03-2020 00:00:00	1	0	1	1	No	---	---	No				No	
12	KIT Hackathon 2019	Innovation	Hackathon	Kalasalaingam Institute of Technology	Educational Institute	14-08-2019 00:00:00	14-08-2019 00:00:00	1	1	3	4	No	---	---	No				No	
13	Workshop on Internet of Things	Innovation	Workshop	Mepco Schlenk Engineering College	Educational Institute	25-09-2019 00:00:00	25-09-2019 00:00:00	1	1	2	3	No	---	---	No				No	
14	SRM Hack Summit	Innovation	Hackathon	SRM Institute of Science and Technology	Educational Institute	31-08-2019 00:00:00	01-09-2019 00:00:00	2	1	0	1	No	---	---	No				No	

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15	Hackathon Smart Farming	Innovation	Hackathon	Sastra Deemed University	Educational Institute	21-02-2020 00:00:00	23-02-2020 00:00:00	3	3	0	3	Yes	second	Hackathon Smart Farming	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>second</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Hackathon Smart Farming</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	second	Title of Innovation / Start-up Secured the Award / Recognition	Hackathon Smart Farming	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype			
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16	Hackathon Genesys	Innovation	Hackathon	Sastra Deemed University	Educational Institute	21-02-2020 00:00:00	23-02-2020 00:00:00	3	5	0	5	No	---	---	No	No										
17	Smart India Hackathon 2019	Innovation	Hackathon	Ministry of Coal, IIT Kharagpur	Govt. Agency (Central)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	3	1	4	Yes	First	Heavy Earth Moving Machinery Monitoring System	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>93338</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	93338	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Heavy Earth Moving Machinery Monitoring System</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Heavy Earth Moving Machinery Monitoring System	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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18	YESIST12 -IEEE student chapter international project expo	Innovation	Innovation Contest	Jeppiaar Institute of Technology	Educational Institute	12-07-2019 00:00:00	12-07-2019 00:00:00	1	10	0	10	No	---	---	No	No										
19	international conference on Sustainable development	Innovation	Conference	Kamaraj College of Engineering and Technology	Educational Institute	18-07-2019 00:00:00	20-07-2019 00:00:00	3	10	2	12	No	---	---	No	No										

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20	TNSTC and NCSTC project expo	Innovation	Innovation Contest	Mangayarkarasi College of Engineering, Madurai.	Educational Institute	26-07-2019 00:00:00	26-07-2019 00:00:00	1	15	0	15	Yes	first position	Walk Without Eye, Opening and Closing door using IOT technology, sentinel gun using image processing	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>first position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Walk Without Eye, Opening and Closing door using IOT technology, sentinel gun using image processing</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	first position	Title of Innovation / Start-up Secured the Award / Recognition	Walk Without Eye, Opening and Closing door using IOT technology, sentinel gun using image processing	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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21	International Medical Expo	Entrepreneurship/Startup	Exhibition	Ministry of AYUSH, India	Govt. Agency (Central)	01-08-2019 00:00:00	03-08-2019 00:00:00	3	0	1	1	No	---	---	No	No						
22	TECHNO CHAMP 2019	Innovation	Innovation Contest	PSNA college of engineering and technology, dindigul.	Educational Institute	03-08-2019 00:00:00	03-08-2019 00:00:00	1	10	0	10	Yes	third	Power Control Management System	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>third</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Power Control Management System</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	third	Title of Innovation / Start-up Secured the Award / Recognition	Power Control Management System	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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23	TEK CLUSTER 2019	Innovation	Innovation Contest	Kongunadu College of Engineering and Technology, Trichy.	Educational Institute	09-08-2019 00:00:00	09-08-2019 00:00:00	1	15	2	17	Yes	second position	Techno-Linkers, Artificial Intelligence,	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>second position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Techno-Linkers, Artificial Intelligence,</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	second position	Title of Innovation / Start-up Secured the Award / Recognition	Techno-Linkers, Artificial Intelligence,	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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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

24	MY GOV - Innovation challenge and design contest	Innovation	Ideation	Ministry of Science and Technology, India	Govt. Agency (Central)	12-08-2019 00:00:00	12-08-2019 00:00:00	1	5	1	6	Yes	recognition	Design of Signatron for deaf-mute impairment	Total Total Expense Amount Incurred by Institute? (In Rupees)	10000	Award / Position / Recognition Secured	recognition		
																	Title of Innovation / Start-up Secured the Award / Recognition	Design of Signatron for deaf-mute impairment		
																	Award/Recognition/Achievement Received for	Business Model/Start up		
25	CSIR sponsored seminar on Artificial Perception, Machine Learning for human robots interface	Innovation	Seminar	PSNA college of engineering and technology, dindigul	Educational Institute	30-08-2019 00:00:00	31-08-2019 00:00:00	2	8	15	23	No	---	---	No	No				
26	Smart Materials using Nanotechnology and Adaptable Intelligence Systems for Energy Applications A Future Approach	Innovation	Conference	Vellalar college of engineering and technology	Educational Institute	20-09-2019 00:00:00	20-09-2019 00:00:00	1	5	2	7	No	---	---	No	No				
27	Intel HackFury 2 2019	Innovation	Innovation Contest	IISC Bangalore	Educational Institute	21-10-2019 00:00:00	21-10-2019 00:00:00	1	3	2	5	Yes	recognition	Smart irrigation Cardio	Total Total Expense Amount Incurred by Institute? (In Rupees)	5000	Award / Position / Recognition Secured	recognition		
																	Title of Innovation / Start-up Secured the Award / Recognition	Smart irrigation Cardio		
																	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

28	AARAMB AM the startup contest	Entrepreneurship/Startup	Innovation Contest	Young Indians - madurai chapter	Non-Govt. Agencies	18-10-2019 00:00:00	18-10-2019 00:00:00	1	5	0	5	No	---	---	No	No						
29	GYAN MITRA 20	Entrepreneurship/Startup	Innovation Contest	Mepco Schlenk engineering college, sivakasi	Educational Institute	24-01-2020 00:00:00	25-01-2020 00:00:00	2	10	0	10	No	---	---	No	No						
30	Application of VLSI technology in health care	Innovation	Skill development	PSNA college of engineering and technology, dindigul	Educational Institute	05-02-2020 00:00:00	06-02-2020 00:00:00	2	8	5	13	No	---	---	No	No						
31	Smart Farming Hackathon	Innovation	Innovation Contest	SASTRA Deemed to be University, Thanjavur.	Educational Institute	21-02-2020 00:00:00	23-02-2020 00:00:00	3	2	0	2	Yes	second position	Smart irrigation Cardio	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>second position</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Smart irrigation Cardio</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	second position	Title of Innovation / Start-up Secured the Award / Recognition	Smart irrigation Cardio	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	second position																					
Title of Innovation / Start-up Secured the Award / Recognition	Smart irrigation Cardio																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
32	Grading process for Agriculture foods by artificial intelligence techniques	Innovation	Seminar	N.S.N college of engineering and technology, karur	Educational Institute	09-03-2020 00:00:00	09-03-2020 00:00:00	1	0	5	5	No	---	---	No	No						
33	Innovation contest	Innovation	Ideation	Thiyagarajar college of engineering	Educational Institute	20-02-2020 00:00:00	20-02-2020 00:00:00	1	2	0	2	No	---	---	No	No						
34	Innovation Contest	Innovation	Ideation	Government college of Engineering, Tirunelveli	Educational Institute	10-03-2020 00:00:00	10-03-2020 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

35	Electric Two wheeler Design competition -2019 Final Event Participation	Innovation	Innovation Contest	Bannari Amman Institute of Technology, Sathy	Educational Institute	27-09-2019 00:00:00	29-09-2019 00:00:00	3	10	2	12	Yes	Won Overall third prize in Performance with cash award	E Bike	No		Award / Position / Recognition Secured	Won Overall third prize in Performance with cash award
																	Title of Innovation / Start-up Secured the Award / Recognition	E Bike
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
36	Electric Two wheeler Design competition -2020 Pre-workshop	Innovation	Workshop	MIT, Chennai.	Govt. Agency (State)	25-01-2020 00:00:00	26-01-2020 00:00:00	2	20	2	22	No	---	---	No		No	
37	Bi-Cycle Design competition pre workshop	Innovation	Workshop	Rajalaksmi Engineering College, Chennai	Educational Institute	08-02-2020 00:00:00	09-02-2020 00:00:00	2	10	2	12	No	---	---	No		No	
38	IOT Challenge 2020	Innovation	Workshop	Thiagarajar college of engineering	Educational Institute	04-03-2020 00:00:00	04-03-2020 00:00:00	1	1	0	1	No	---	---	No		No	

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	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical Engineering	16-12-2019	27-03-2020	103	Offline	235	45
2	IT6006 - GameProgramming	Innovation	Elective/Core Credit Course	Bachelor	Department of CSE	10-08-2019	13-11-2019	96	Offline	43	45
3	MD8071 Telehealth Technology	Innovation	Elective/Core Credit Course	Bachelor	Biomedical Engineering	09-12-2019	27-03-2020	110	Offline	60	45
4	Lean Manufacturing	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	01-07-2019	06-11-2019	129	Online	59	45
5	Product design and development	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	01-07-2019	06-11-2019	129	Offline	75	45

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	NITTR sponsored Short Term Course on Data Science using R	Innovation	FDP in I&E / IPR	Computer Science and Engineering Department	14-10-2019	18-10-2019	5	Online	36	40
2	AICTE sponsored STTP on Intelligent Video Analytics	Innovation	FDP in I&E / IPR	Computer Science and Engineering Department	31-07-2019	05-08-2019	6	Offline	40	48

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Mr.P.Palpandi	Department of 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
	Emerging Areas in Manufacturing	Innovation	FDP in I&E, IPR	Vimal Jyothi Engineering college,Kerala.	Educational Institute	21-05-2019 00:00:00	26-05-2019 00:00:00	6	Offline
2	Dr.P.S.Venkateswaran	MBA	Professor	No	No				
3	Dr.S.Manimaran	MBA	HOD MBA	No	No				
4	Dr.S.Vijayprasath	ECE	Associate Professor	No	No				
5	Dr.R.Pushpalakshmi	IT	Professor	No	No				
6	Dr.N.Pandeeswari	IT	Associate professor	No	No				
7	Ms.N.Sasikala	IT	Assistant Professor	No	No				
8	Mr.J.Jeganathan	IT	Assistant Professor	No	No				
9	Mr.P.Athi sankar	Department of 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
	Product design Engineering using Fusion 360	Innovation	FDP in I&E, IPR	-	Educational Institute	18-12-2019 00:00:00	22-12-2019 00:00:00	5	Offline
10	Mr.L.Vadivel Kannan	Department of 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
11	Dr.S.Jeyanthi	Computer Science and Engineering	AssociateProfessor	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
	Data Science using R	Innovation	FDP in I&E, IPR	NITTTR	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	Online
12	Dr. Y.Arokia Raj	Computer Science and 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
	Data Science using R	Innovation	FDP in I&E, IPR	NITTTR	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	Online
13	Dr.J.Benedict Raja	Computer Science and Engineering		AssociateProfessor		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
	Data Science using R	Innovation	FDP in I&E, IPR	NITTTR	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	Online
14	Dr. N.Dhanalakshmi	Computer Science and Engineering		Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	Data Science using R	Innovation	FDP in I&E, IPR	NITTTR	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	Online
15	Dr.A.H .Nandu Kishore	Computer Science and 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
	Data Science using R	Innovation	FDP in I&E, IPR	NITTTR	Govt. Agency (Central)	14-10-2019 00:00:00	18-10-2019 00:00:00	5	Online
16	Mrs.P.Pradeepa	IT		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
	Online certification	IPR	Short term Certificate	NPTEL	Govt. Agency (Central)	08-07-2019 00:00:00	11-10-2019 00:00:00	96	Online
17	Mr.M.Saravanakumar	Department of 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
	Tips for clearing patent Agent Examination	Entrepreneurship/Startup	FDP in I&E, IPR	Velammal Institute of Technology ,Ponneri.	Educational Institute	05-12-2019 00:00:00	10-12-2019 00:00:00	6	Offline
18	Dr. F.X. Edwin Deepak	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	
		Patent drafting for beginners	IPR	FDP in I&E, IPR	NPTEL - MHRD, Govt. of India.	Govt. Agency (Central)	01-07-2019 00:00:00	31-08-2019 00:00:00	62	Online	
19	J.E.MOSHE DAYAN	PSNA- IPR Cell - EEE Department		Coordinator PSNA IPR Cell- Asst Professor		Yes			No		
Highest degree name in I&E and IPR	Diplo ma in Intellectual Property Rights Law and Mana geme nt - From GNL U Gujar at	20	S.Bharath	ECE	Assistant professor	No					
	Degree Type						Diplo ma				
	Year of Highest degree in I&E and IPR						2018				
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 and Machine learning	Innovation	FDP in I&E, IPR	Agni college of technology	Educational Institute	10-06-2019 00:00:00	14-06-2019 00:00:00	5	Offline	
21	Meyappan	Training Innovation		Innovation Trainer		No			No		

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	Society of Software Engineers	Idea Club	1998	Work Stations	Innovation Labs	1	Imrankhan A	cjainran@gmail.com	8056070102
2	Google club	Innovation Club	2015	None	Innovation Labs	3	V.V. ARAVINDAKKASAN	v.v.aravindakkan@gmail.com	9626675354
3	ED Club	Startup Club	2019	None	Innovation Labs	5	vinoth kelvin. T	Kelvinvinoth10@gmail.com	7418964440
4	Research club	Innovation Club	2019	None	Innovation Labs	5	Swathi P	swathipoorulselvan2227@gmail.com	9443166496

5	ISHRAE PSNA Student Chapter	Idea Club	2013	Co-working Space	Innovation Labs	6	Mr.P.Kalimuthu	kalimuthuperiyasamy1079@gmail.com	9626984400
6	Robotics club	Innovation Club	2019	None	Innovation Labs	1	S. Ramsivam	ramsivam.ias@gmail.com	709462161
7	Indian Concrete Institute Students Chapter	Idea Club	2015	Co-working Space	IPR Cell/Technology Transfer Centre	10	AH Mohd Marjukk	mohamedmarjukk@gmail.com	8248832126
8	SEEM (Society of Energy Engineers and Managers)	Idea Club	2019	Co-working Space	Innovation Labs	1	Mr. S. Hari Jegadish	hari03siva@gmail.com	6381437391
9	IEEE Computer Society	Innovation Club	2019	Work Stations	Innovation Labs	1	S.Keerthana	keerthanakishor56@gmail.com	8124938772
10	IEEE Computational Intelligence Society	Innovation Club	2019	Work Stations	Innovation Labs	1	A.Ajay Rahul	ajayarumugam007@gmail.com	8610634299
11	IETE	Innovation Club	2020	Work Stations	Innovation Labs	1	S.Dheepasree	dheepasree3412@gmail.com	6379441932
12	CSI Society	Innovation Club	2008	Work Stations	Innovation Labs	1	S.Umar Farook	umarindian2012@gmail.com	8072622414
13	SAE	Idea Club	2006	Co-working Space	Innovation Labs	13	Mr.M.G.Harinath magudapathy	harinathmagudapathy@gmail.com	8870974591
14	IoT Club	Innovation Club	2018	Co-working Space	Centre of Excellence with Advance Tools	1	M.Thetchina Moorthy	m.thetchina111@gmail.com	8825733597
15	Programming club	Idea Club	2015	Co-working Space,Work Stations	Pre-Incubation Unit	2	Sudharsana M	sudharsana55@gmail.com	9842542200
16	Texas Innovation Club	Innovation Club	2018	Work Stations	Innovation Labs	1	varthini	vardhiniradhakrishnan17@gmail.com	9994416242

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)

Smo	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	CAD/CAM	Design Centre	1984	Co-working Space	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr.S.K ARTHI K</td> </tr> <tr> <td>Facility Incharge Email</td> <td>karthik smp@psnacet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>958534 1275</td> </tr> </table>	Facility Incharge Name	Mr.S.K ARTHI K	Facility Incharge Email	karthik smp@psnacet.edu.in	Facility Incharge Phone	958534 1275	2	No	No	Yes
Facility Incharge Name	Mr.S.K ARTHI K																
Facility Incharge Email	karthik smp@psnacet.edu.in																
Facility Incharge Phone	958534 1275																
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						PSNACET		Educational Institute		1370000							

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE 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 CoE Centre/Facilities?		Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
					Facility Incharge Name	Facility Incharge Email			Facility Incharge Phone	Yes	
1	PSNA – VOLTECH Centre of Excellence	2018	Pre-Incubation		Facility Incharge Name	Dr.R. KART HIGAI VEL	5	No	Yes		Yes
					Facility Incharge Email	karthi.mtech@psnaacet.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	635000	
					Facility Incharge Phone	98429 61337			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	
Source of Grant / Fund			Agency Name			Agency Type			Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		
Funding Agency			VOLTECH CHENNAI			Not-Govt. Agencies			3300000		
2	PSNA-BLUETRONICS Centre of Excellence	2019	Innovation Labs		Facility Incharge Name	Dr.I. GERALD CHRIS TOPHER RAJ	5	No	Yes		Yes
					Facility Incharge Email	gerald@psnaacet.edu.in			Total Annual Income from Training and Skill Development Services (In Rupees)	122720	
					Facility Incharge Phone	94872 60929			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)																	
Funding Agency		BLUETRONICS BANGALURU		Not-Govt. Agencies		2200000																	
Funding Agency		BLUETRONICS BANGALURU		Not-Govt. Agencies		2200000																	
3	Robotic Process Automation (RPA) Lab	2019	Innovation Labs	Automation Anywhere Company Ltd	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Ms Sudha</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sudha@psnaacet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8668063841</td> </tr> </table>	Facility Incharge Name	Ms Sudha	Facility Incharge Email	sudha@psnaacet.edu.in	Facility Incharge Phone	8668063841	6	Yes	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>12000</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	12000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Ms Sudha																						
Facility Incharge Email	sudha@psnaacet.edu.in																						
Facility Incharge Phone	8668063841																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	12000																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)																	
Funding Agency		Automation Anywhere		International Agencies		6000000																	
4	Intel Intelligent System Lab	2019	Innovation Labs	AICTE MODROBS	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K.S elvaraj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>kselvaraj@psnacet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9486709526</td> </tr> </table>	Facility Incharge Name	Dr.K.S elvaraj	Facility Incharge Email	kselvaraj@psnacet.edu.in	Facility Incharge Phone	9486709526	2	Yes	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>420000</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	420000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Dr.K.S elvaraj																						
Facility Incharge Email	kselvaraj@psnacet.edu.in																						
Facility Incharge Phone	9486709526																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	420000																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)																	
Funding Agency		AICTE -IIIT B, Bangalore		Govt. Agency (Central)		5400000																	
5	Cyber Security Lab	2009	Innovation Labs	National Cyber Safety and Security Standards(NCSDR C)	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K.M uthum ayil</td> </tr> <tr> <td>Facility Incharge Email</td> <td>muthu mayil @psna cet.ed u.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>97918 77835</td> </tr> </table>	Facility Incharge Name	Dr.K.M uthum ayil	Facility Incharge Email	muthu mayil @psna cet.ed u.in	Facility Incharge Phone	97918 77835	5	No	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>52000</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	52000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Dr.K.M uthum ayil																						
Facility Incharge Email	muthu mayil @psna cet.ed u.in																						
Facility Incharge Phone	97918 77835																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	52000																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)																	
Funding Agency		NCSSS-Self Govt. Agency		Govt. Agency (Central)		2120000																	
6	PSNA- KEYSIGHT CENTRE OF EXCELLENCE IN RF COMMUNICATION AND CIRCUIT DESIGN	2013	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.K.M eena alias Jeyant hi</td> </tr> <tr> <td>Facility Incharge Email</td> <td>meena jeyant hi@ps nacet. edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98940 82745</td> </tr> </table>	Facility Incharge Name	Dr.K.M eena alias Jeyant hi	Facility Incharge Email	meena jeyant hi@ps nacet. edu.in	Facility Incharge Phone	98940 82745	10	No	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>28320</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	28320	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Dr.K.M eena alias Jeyant hi																						
Facility Incharge Email	meena jeyant hi@ps nacet. edu.in																						
Facility Incharge Phone	98940 82745																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	28320																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																						

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		KEYSIGNT TECHNOLOGIES		Corporate / Industry Association		1302000								
7	CERTIFIED LABVIEW ACADEMY	2013	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.S.M ythili</td> </tr> <tr> <td>Facility Incharge Email</td> <td>smbme@psnacet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9791652139</td> </tr> </table>	Facility Incharge Name	Dr.S.M ythili	Facility Incharge Email	smbme@psnacet.edu.in	Facility Incharge Phone	9791652139	3	No	No	Yes
Facility Incharge Name	Dr.S.M ythili													
Facility Incharge Email	smbme@psnacet.edu.in													
Facility Incharge Phone	9791652139													
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Institute's Own Fund / Resource		PSNA College of Engineering and Technology		Educational Institute		2511941								
8	Centre of Excellence in Soil Reinforcement	2009	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr S Sarath babu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sarathmesoil@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9843313423</td> </tr> </table>	Facility Incharge Name	Mr S Sarath babu	Facility Incharge Email	sarathmesoil@gmail.com	Facility Incharge Phone	9843313423	3	No	No	Yes
Facility Incharge Name	Mr S Sarath babu													
Facility Incharge Email	sarathmesoil@gmail.com													
Facility Incharge Phone	9843313423													
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
9	Centre of Excellence in Dynamic Testing	2014	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr C Jayaguru</td> </tr> <tr> <td>Facility Incharge Email</td> <td>cjayaguru@psnacet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9894648584</td> </tr> </table>	Facility Incharge Name	Dr C Jayaguru	Facility Incharge Email	cjayaguru@psnacet.edu.in	Facility Incharge Phone	9894648584	3	No	No	Yes
Facility Incharge Name	Dr C Jayaguru													
Facility Incharge Email	cjayaguru@psnacet.edu.in													
Facility Incharge Phone	9894648584													
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

10	Centre of Excellence in Air Pollution Study	2016	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr N Mahendran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>namahendran@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9842154139</td> </tr> </table>	Facility Incharge Name	Dr N Mahendran	Facility Incharge Email	namahendran@gmail.com	Facility Incharge Phone	9842154139	3	No	No	Yes
Facility Incharge Name	Dr N Mahendran														
Facility Incharge Email	namahendran@gmail.com														
Facility Incharge Phone	9842154139														
Source of Grant / Fund			Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)							

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?						
1	Infoziant Technologies Powered Security Laboratory	2015	Innovation Labs	No	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.A.Thomas Paul Roy</td> </tr> <tr> <td>Facility Incharge Email</td> <td>athomaspaulyroy@psscnet.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8072925912</td> </tr> </table>	Facility Incharge Name	Dr.A.Thomas Paul Roy	Facility Incharge Email	athomaspaulyroy@psscnet.edu.in	Facility Incharge Phone	8072925912	5	No	No	No
Facility Incharge Name	Dr.A.Thomas Paul Roy														
Facility Incharge Email	athomaspaulyroy@psscnet.edu.in														
Facility Incharge Phone	8072925912														

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

1	PSNA -IPR Cell	2017	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. J.E. MOSH E DAYA N</td> </tr> <tr> <td>Facility Incharge Email</td> <td>patent@psna cet.ed u.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>98941 25556</td> </tr> </table>	Facility Incharge Name	Mr. J.E. MOSH E DAYA N	Facility Incharge Email	patent@psna cet.ed u.in	Facility Incharge Phone	98941 25556	9	Yes	No	No
Facility Incharge Name	Mr. J.E. MOSH E DAYA N														
Facility Incharge Email	patent@psna cet.ed u.in														
Facility Incharge Phone	98941 25556														

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.P.S.Venkateswaran	Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Business startup		Outside	
2	Dr.S.Manimaran	HOD MBA	Entrepreneurship/Startup Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Business unit start up		Outside	
3	Dr.R.Pushpalakshmi	Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	project design		Within	
4	Ms.N.Sasikala	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Heavy equipment machinery monitoring system - Smart India Hackathon		Outside	
5	Dr K Srinivasan	Associate Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Data on wastewater		Within	
6	Dr.A.Selvapandian	Assistant Professor	Idea/Innovation Development	3

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)
	EOMOTIONAL REFLECTOR		Within	
7	J.E.MOSHE DAYAN	Coordinator PSNA IPR Cell- Asst Professor	IPR Protection & Commercialization	13
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Solar and wind powered Tri-brid ground vehicle		Outside	
	pedal powered gymnasium		Outside	
	piezo electric powered voice assisted walking stick for the blind		Within	
	Fire fighting Robot		Within	
	Automatic Solar panel cleaning Robot		Within	
	Solar power assisted air cooled Parasol for vendors		Within	
8	Dr. F.X. Edwin Deepak	Assistant Professor	Idea/Innovation Development	9
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Commercial building lighting automation using LoRa		Within	
9	Mr.R.Joseph Rathish	Assistant Professor	Idea/Innovation Development	9
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Path Following Litter Cans		Within	
10	Dr. I. Gerald Christopher Raj	Professor	Idea/Innovation Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	IoT Based Real-Time Horticulture Monitoring System		Within	
11	Dr. M. Arul Prasanna	Associate Professor	Idea/Innovation Development	11
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Self balancing of ball beam system with PID control		Within	
12	D. Arun Prasad	Assistant Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Heavy Earth Moving Machinery Monitoring System		Within	
13	Dr.E.Thangaselvi	Assistant Professor	Idea/Innovation 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)
	Detecting potholes and speed breakers		Within	
14	Dr.S.Bharath	Assistant professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Wireless Locking System		Within	
15	Mrs.G.Sasi	Assistant professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Irrigation Cardio		Within	
16	Mr.R.Ramamoorthy	Associate professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Power Control Management System		Within	
17	Dr.S.Vijayprasath	Associate Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	DESIGN OF SIGNATRON FOR DEAF-MUTE IMPAIEMENT		Within	
18	Mrs.P.G.Akila	Assistant professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Avoid Wildlife Entry into Protected Area		Within	
19	Dr. S.Mythili	Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Advance of accidents and speed control of vehicles using advanced technologies		Within	
20	Mr.S.Karthikeyan	Assistant professor	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Sentinel Gun		Within	
21	Dr N Gurumoorthy	Associate Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Use Of Calcined Used Foundry Sand(CUFS) As Alternate Filler For Mortar And Concrete		Within	

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

22	Dr N Mahendran	Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Rainwater Harvesting Using Internet Of Things		Within	
23	Dr.J.Booma	Assistant professor	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Wireless Locking System		Within	
24	Dr.V .Paramasivam	PROFESSOR	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	COMPARATIVE STUDY BETWEEN MECHANICAL PROPERTIES OF UNCOATED AND COATED HIGH CARBON HIGH CHROMIUM TOOL		Within	
25	Dr.G. Magudeeswaran	PROFESSOR	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Analysis of smart irrigation system		Within	
26	Dr.S.Sridhar	Associate Professor	Idea/Innovation Development	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and analysis of Disc Brake using Different materials		Within	
27	Dr.G.R.Kannan	PROFESSOR	Idea/Innovation Development	7
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Standardizing the parameters of AA6082 using Friction stir welding		Within	

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	Meyappan	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 Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	IoT Based Real-Time Horticulture Monitoring System	Product Innovation	Technological	PSNA-BLUETRONIC S Centre of Excellence	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
				Name		Type		Gender		Email		Contact	
				Naga Senen P		Faculty		Male		senen442@gmail.com		9789690151	
				Name		Type		Gender		Email		Contact	
				Dr. I. Gerald Christopher Raj		Faculty		Male		gerald@psnacet.edu.in		9487260929	
2	Design and Development of AGV with Robotic Arm for Agricultural Applications	Product Innovation	Technological	PSNA-BLUETRONIC S Centre of Excellence	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	
				KayalKaviya S S		Student		Female		sskayalkaviya@gmail.com		9790009598	

Name		Type							Gender			Email		Contact	
Mrs.N.Selvarani		Faculty							Female			n.selvarani@psnacet.edu.in		9751624656	
3	IoT Based Commercial Load Analysis and Fault Forecasting on Real-Time	Product Innovation	Technological	PSNA-BLUETRONIC S Centre of Excellence	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No		
	Name		Type							Gender			Email		Contact
	Milton R		Student							Male			milton1998eee@gmail.com		9585566226
Name		Type							Gender			Email		Contact	
Mr.B.Pushpavanam		Faculty							Male			pushpavanam@psnacet.edu.in		9442092935	
4	Commercial building lighting automation using LoRa	Product Innovation	Technological	PSNA-BLUETRONIC S Centre of Excellence	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
	Harini Aileen R		Student							Female			hariniaileenr005@gmail.com		7539988099
Name		Type							Gender			Email		Contact	
Dr. F. X. Edwin Deepak		Faculty							Male			edwin@psnacet.edu.in		9487747136	

5	Self balancing of ball beam system with PID control	Product Innovation	Technological	PSNA-SIEMENS Centre of Excellence	Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Abinaya R.K		Student			Female		abinayark1997@gmail.com			9159038361			
Name		Type			Gender		Email			Contact			
Dr. M. Arul Prasanna		Faculty			Male		arulprasanna@psnacet.edu.in			9944752376			
6	IoT based substation automation	Product Innovation	Technological	PSNA-BLUETRONICS Centre of Excellence	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			
Ajay P		Student			Male		psnaajay@gmail.com			8072650831			
Name		Type			Gender		Email			Contact			
Mr. G. Praveen Raj		Faculty			Male		praveenrajmw@psnacet.edu.in			9626808048			

7	Electrical E-Two Wheeler	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name S A E INDIA SOUTH REGION SECTION	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured 3rd	No	No	No	No
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Name	Type	Gender	Email	Contact
Mr. Kumaresan	Faculty	Male	kumaresanthermal@psnacet.edu.in	9543954684

Name	Type	Gender	Email	Contact
S ANTONY SIMSOAN	Student	Male	samsonu164@gmail.com	9791923304

8	VEGETABLE DISEASE DETECTION USING FUZZY CLASSIFICATION	Process Innovation	Technological	Center of excellence with advance tools	Student	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
R. SHANKESWARI @ ISWARYA	Student	Female	iswarya1213@psnacet.edu.in	8072683070

Name	Type	Gender	Email	Contact
Dr. VE. Jayanthi	Faculty	Female	hodbio@psnacet.edu.in	9080590216

9	REMOTE MONITORING OF INTRAVENOUS DRIPPING SYSTEM AND FLOW CONTROL	Product Innovation	Technological	Center of excellence with advance tools	Student	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
J. AJAY	Student	Male	ajaykarthickeyan@psnacet.edu.in	9514488998

Name	Type	Gender	Email	Contact
Dr. P. Sutha	Faculty	Female	sutha@psnacet.edu.in	9940873236

10	WEARABLE SYSTEM FOR FETAL MOVEMENT MONITORING	Product Innovation	Technological	center of excellence with advance tools	Student	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
S.NISHA VERGINEYA	Student	Female	virginia.nishu12@psnacet.edu.in	9789750237

Name	Type	Gender	Email	Contact
Dr. S.Sriram	Faculty	Male	sriram@psnacet.edu.in	8637666753

11	IOT BASED AUTOMATIC ACCIDENT INFORMATION SYSTEM	Product Innovation	Technological	Center of excellence with advance tools	Student	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 Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.SATHYA SITA		Student			Female		sathyasitars@psnacet.edu.in			9566738091			
Name		Type			Gender		Email			Contact			
Mr. P. Mohankumar		Faculty			Male		mohankumarp@psnacet.edu.in			9842574933			
12	AI Based College Enquiry Intelligent Chatbot System	Product Innovation	Technological	IMI Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Amritha.A		Student			Female		amrithaaravindh@gmail.com			9385802674			
Name		Type			Gender		Email			Contact			
Aleena.P		Student			Female		aleenapavithran98@gmail.com			9446070792			

13	An IoT Based Expert System for Pesticide Dosing	Product Innovation	Technological	IMI Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Aparna.R		Student			Female		abijeya98@gmail.com			7339525733			
Name		Type			Gender		Email			Contact			
Banupriya.N		Student			Female		banupriya14698@gmail.com			8489555417			
14	Identification of Stages of breast cancer using Voting Classifier	Process Innovation	Technological	IBM Software Lab for Emerging Technologies	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Gayathri		Student			Female		gayathriravi199827@gmail.com			9894925019			
Name		Type			Gender		Email			Contact			
M.A.Divya		Student			Female		madivyaraj@gmail.com			6380986902			
15	An intelligent system for soil nutrient Management	Product Innovation	Technological	IBM Software Lab for Emerging Technologies	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name		Type		Gender		Email		Contact					
S.U.Krithika		Student		Female		sukrithika20@gmail.com		9566907990					
Name		Type		Gender		Email		Contact					
N.Madhumitha		Student		Female		madhunagu1998@gmail.com		7339124326					
16	Driving Assistance System Using SVM Algorithm	Process Innovation	Technological	PSNA-AICTE Lab for Cognitive Computing	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type		Gender		Email		Contact					
J.Monisha Edith		Student		Female		monishjohn18@gmail.com		7010597880					
Name		Type		Gender		Email		Contact					
S.Pradeepa Farveen		Student		Female		pradeepasheik@gmail.com		6380579578					
17	Automobile Security System on Face Recognition using Artificial Intelligence	Product Innovation	Technological	Infoziant Technologies Powered Security Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type		Gender		Email		Contact					
Rajapandy S		Student		Male		Rajapandy-S.rajapandy21@gmail.com		9566316304					
Name		Type		Gender		Email		Contact					
Ram Kumar K		Student		Male		kramkumar6299@gmail.com		6380235187					

18	Computer Assisted Diagnosis for Diabetic Retinopathy based on Fundus using Machine Learning	Process Innovation	Technological	PSNA-AICTE Lab for Cognitive Computing	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Santhosh S R		Student			Male		Santhosh-santhoshstar18@gmail.com			9500400178			
Name		Type			Gender		Email			Contact			
Sathishkumar C		Student			Male		sathishchellamuthu22@gmail.com			9688177210			
19	An IoT based Animal and Unauthorized Person intrusion detection and Repellent System	Product Innovation	Technological	IMI Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Ramana J		Student			Male		Ramana-nameramana6@gmail.com			8682045746			
Name		Type			Gender		Email			Contact			
Ramanujam T		Student			Male		Stk.yuvi@gmail.com			9791406935			
20	IoT based Intelligent care taker for elder people	Product Innovation	Technological	IMI Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Sudharshini R	Student	Female	sudharshini1641999@gmail.com	9566453497

Name	Type	Gender	Email	Contact
Swetha M	Student	Female	swenachi2209@gmail.com	9443881035

21	IoT based skin PH level advisor	Product Innovation	Technological	IMIK Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technological formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Suga Priya M	Student	Female	sugapriyanlk2016@gmail.com	9442318208

Name	Type	Gender	Email	Contact
Swathi S	Student	Female	swathikala14@gmail.com	7373663021

22	Mobile application for detection of plant diseases using machine learning algorithms	Product Innovation	Technological	PSNA-AICTE Lab for Cognitive Computing	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technological formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Sundaranantham M	Student	Male	sundaranantham01@gmail.com	8220992030

Name	Type	Gender	Email	Contact
Suriya Prakash B	Student	Male	suriyamoons9790@gmail.com	9790175264

23	An IoT Based Automated Garbage Segregated System	Product Innovation	Technological	IMI Technologies powered Embedded Technologies Laboratory	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Supathra R	Student	Female	supathraravi98@gmail.com	7448472794

Name	Type	Gender	Email	Contact
Suvathi G	Student	Female	gsuvathi@gmail.com	7339062377

24	ENABLING GENERIC, VERIFIABLE, AND SECURE DATA SEARCH IN CLOUD SERVICES	Service Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	Student	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
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Name	Type	Gender	Email	Contact
I Kanimozhi	Student	Female	kanimozhiisdf@psnacet.edu.in	7868850290

Name	Type	Gender	Email	Contact
Dr.K.Muthumayil	Faculty	Male	muthumayilk@psnacet.edu.in	9791877835

25	MULTIPLE FACE DETECTION AND ATTENDANCE SYSTEM USING OPEN CV	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	Student	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				
Aravindaksan V V		Student			Male		v.v.aravindakkasan@gmail.com		9626675354				
Name		Type			Gender		Email		Contact				
Mrs.J.K.Jeevitha		Faculty			Female		jeevitha@psnacet.edu.in		9080498472				
26	ONLINE PARKING AREA FINDER USING IOT AND ANDROID	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Anglesvar		Student			Male		anglesvarv@psnacet.edu.in		994578216				
Name		Type			Gender		Email		Contact				
Dr.R.Pushpalashmi		Faculty			Female		push@psnacet.edu.in		9842743095				

27	Smart Irrigation Cardio	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype").	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	Agency Name	Intel Hack Fur y2019 at IISC Bangalore	No	25000	Grant Amount in Rs	No	No
Name		Type			Gender			Email			Contact				
VARSHATH GUPTA S		Student			Male			varshathgupta@gmail.com			8508177082				
Name		Type			Gender			Email			Contact				
DINESH RAM C		Student			Male			dineshrameva908@gmail.com			7904975125				
28	Spatial tracking which measures displacement in space	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Dropped	Agency Name		No	5151	Grant Amount in Rs	No	No
Name		Type			Gender			Email			Contact				
Paramesh T S		Student			Male			parameshroboticist@gmail.com			8072053165				

29	Sentinel Gun Using Image Processing	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student	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 Mangayarkarasi College of Engineering, Madurai	Agency Type Educational Institute	Award / Position / Recognition Secured First	No	No	No	No
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Name	Type	Gender	Email	Contact
Vishnu kumar	Student	Male	vishnuravindran27@gmail.com	7904093351

Name	Type	Gender	Email	Contact
R.B.Viswajeeth	Student	Male	vishwa20personal@gmail.com	8668137759

30	Walk Without Eye	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name Mangayarkarasi College of Engineering, Madurai	Agency Type Educational Institute	Award / Position / Recognition Secured First Prize - EE Category	No	No	No	No
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Name	Type	Gender	Email	Contact
Vardhini	Student	Female	vardhiniradhakrishnan17@gmail.com	9994416242

Name	Type	Gender	Email	Contact
S Piyadharshini	Student	Female	dharshupriya482@psnacet.edu.in	8668185239

31	Smart Wireless Locking System using Arduino	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name Mangayarkarasi College of Engineering, Madurai	Agency Type Educational Institute	Award / Position / Recognition Secured Third Prize - EE Category	No	No	No	No
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Name	Type	Gender	Email	Contact
Subiksha	Student	Female	subimeena2000@gmail.com	8220699382

Name	Type	Gender	Email	Contact
Rajalakshmi	Student	Female	srjalakshmi106@psnacet.edu.in	9994836589

32	Design and Development of Navicom Specially designed for Sight –Hear impaired people.	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name AICTE, DST, TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
Vijayprasath	Faculty	Male	vijayprasathme@gmail.com	9894692019

Name	Type	Gender	Email	Contact
Paramesh T S	Faculty	Male	parameshroboticist@gmail.com	9626297370

33	The design of reflexive mart	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	Agency Name AICTE DS T and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
Vijayprasath	Faculty	Male	vijayprasathme@gmail.com	9894692019

Name	Type	Gender	Email	Contact
Varshini Devi	Student	Female	varshiniraja99@gmail.com	8248090565

34	PRONTO CHARGING USING SPECIE	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	Agency Name AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
Subiksha	Student	Female	subibaskar@gmail.com	8220699382

Name	Type	Gender	Email	Contact
Subiksha	Student	Female	subibaskar@gmail.com	8220699382
SUDHARSHNI	Student	Female	sudharshni17@gmail.com	9943980042

35	EOMOTIONAL REFLECTOR	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	Agency Name AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
VARSHATH GUPTA	Student	Male	varshathgupta@gmail.com	8508177082

Name	Type	Gender	Email	Contact
LAKSHMI PRIYA S	Student	Female	-	-
KAVYAAH S	Student	Female	-	-
JANANI K	Student	Female	-	-
selvapandian	Faculty	Male	-	-

36	Speculum Dolor	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	Agency Name	AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	No	No	No	No
									Agency Type	Corporate / Industry Association				
									Award / Position / Recognition Secured	award 200 US dollars for prototype development				

Name	Type	Gender	Email	Contact
Keerthana B	Student	Female	keerthanabala69@gmail.com	9344968930

Name	Type	Gender	Email	Contact
-	Faculty	Male	vijayprasathme@gmail.com	9894692019

37	Kin-Chargie	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	Agency Name AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
S Jaya Surya	Student	Male	jayasuryasivaraj1999@gmail.com	8012488313

Name	Type	Gender	Email	Contact
Paramesh T S	Faculty	Male	parameshroboticist@gmail.com	9626297370

38	DESIGN OF SIGNATRON FOR DEAF-MUTE IMPAIRMENT	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype").	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	Agency Name AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured Received product development fund of Rs. 5 Lakhs	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr.S.VIJAYPRASATH	Faculty	Male	vijayprasathme@gmail.com	9894692019

Name	Type	Gender	Email	Contact
T.MANIKANDAN	Student	Male	-	-
R.LENINRAJ	Student	Male	-	-
R.M.MUNIYAPPAN	Student	Male	-	-
A.MOHAMED ILAYAS	Student	Male	-	-

39	Color removal of textile dye waste water from industry using bio adsorption	Process Innovation	Technological	Civil Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
K.Nagarajan	Student	Male	nagarajankathirkntm@gmail.com	9600983493

40	Grenn bwat	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY - ECE	Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	Agency Name AICTE, DST and TEXAS INSTRUMENTS IIC DC 2019	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured award 200 US dollars for prototype development	No	No	No	No
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Name	Type	Gender	Email	Contact
P. Sivashree	Student	Female	sivashreeprem@gmail.com	8825923949

41	Flexural strengthening of structural elements using textile reinforced concrete	Process Innovation	Technological	Civil Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	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					
Rakshana P		Student			Female		rakshanaponniah2014@gmail.com			9600295577					
42	Heavy equipment machinery monitoring support	Product Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	Agency Name	AICTE-Smart India Hackathon	No	Grant Amount in Rs	4850	No	No
Name		Type			Gender		Email			Contact					
Ms.Sudharsana		Student			Female		sudharsana@psnacet.edu.in			98942542200					
Name		Type			Gender		Email			Contact					
Ms.N.Sasikala		Faculty			Female		sasikalan@psnacet.edu.in			8667426342					
Agency Type		Award / Position / Recognition Secured													
Govt. Agency (Central)		First prize-SIH													

43	Spammer detection and fake user identification on social networks	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 5 : Large scale prototype tested in intended environment.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
B.Anitha		Student			Female			anithabalaguru4@gmail.com			6379048229		
Name		Type			Gender			Email			Contact		
Mrs.M.Karthiha devi		Faculty			Female			karthiha@psnacet.edu.in			9042277716		
44	BLOCKCHAIN – BASED PUBLIC INTEGRITY VERIFICATION FOR CLOUD STORAGE AGAINST PROCRASTINATING AUDITORS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
P.Devi		Student			Female			devik@psnacet.edu.in			8946024787		
45	DISEASE PREDICTION USING SYMPTOMS WITH SUPERVISED MACHINE LEARNING	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

Name		Type							Gender			Email		Contact
Aarthi		Student							Female			aarthiellappan2999@gmail.com		9443767917
46	DETECTION OF FAKE INDIAN CURRENCY USING MACHINE LEARNING TECHNIQUES	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No		No
Name		Type							Gender			Email		Contact
Ahana Aslin		Student							Female			aslinmubarak98@gmail.com		9514690070
47	SCRUTINIZING CONNECTIONS RECOMMENDATIONS IN ONLINE SOCIAL NETWORKS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No
Name		Type							Gender			Email		Contact
Gayathri A		Student							Female			gayathriamirharaj@gmail.com		9385981149
48	TEXT TO REALISTIC IMAGE GENERATION USING STACKED GENERATIVE ADVERSARIAL	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No

		Name				Type				Gender			Email		Contact
		Ashish				Student				Male			d.ashish2099@gmail.com		8508227986
49	HAND WRITTEN DIGIT RECOGNITION USING DEEP LEARNING ALGORITHMS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
		Atshaya				Student				Female			atshayamuthuraj@gmail.com		9442553803
50	MALARIA CELL PREDICTION USING IMAGE PROCESSING AND MACHINE LEARNING	Process Innovation	Technological	PSNA College of engineering and Technology	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
		Dhanalakshmi V				Student				Female			dhanalak1998@gmail.com		8610882362

51	Design of vehicle to vehicle Data Transmission Using LI-FI Technology	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.AVINASH		Student			Male			avinashkmd99@gmail.com			9080465356		
52	VLSI design of low power D-flip flop using 2:1 mux	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email			Contact		
B.AGNESH DEVADHARSHINI		Student			Female			agneshdevece@gmail.com			7094174929		
53	Smart ATM security system considering theft and environmental factors	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		J.CATHERINE DIANA				Student				Female			catherinediana29@gmail.com		9159846472
54	LOW POWER AND HIGH SENSITIVITY OF JOINT CLOCK GATING BASED DUAL FEEDBACK EDGE TRIGGERED FLIP FLOP	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		K.Durgadevi				Student				Female			durgadevikaruppasamy@gmail.com		9894711983
55	MULTIPLE RESOLUTION RESIDUALLY CONNECTED FEATURE STREAMS FOR AUTOMATIC LUNG TUMOR SEGMENTATION FOR CT IMAGES	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		JayakumarJ				Student				Male			j.jayakumar2177@gmail.com		9750006982

56	DESIGN OF COMPACT WIDEBAND MICROSTRIP ANTENNA	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
S. Jeyashree		Student			Female		jeyashreesathiyam@gmail.com			9543412354			
57	FINGERPRINT BASED CIRCUIT BREAKER USING ARDUINO	Service Innovation	Technological	PSNA College of engineering and technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Anubala		Student			Female		anubala.sankarganesh@gmail.com			7358725998			
58	CROWD ANALYSIS AND ALERT SYSTEM	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Gayathri M				Student				Female			gayathrimanalan1999@gmail.com		9500378451
59	IDENTIFYING FRAUD APPLICATION USING SENTIMENTAL OR EMOTIONAL ANALYSIS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
	C Kanimozhi		Student				Female			kanifrds@gmail.com		7868850290			
60	OBJECT DETECTION USING TENSORFLOW	Process Innovation	Technological	PSNA college of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type				Gender			Email		Contact			
	Madhan		Student				Female			madhan299911@gmail.com		9629705355			

61	DESIGN AND IMPLEMENTATION OF SMART SHOPPING CART USING INTERNET OF THINGS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Karthiga Shree		Student			Female		karthigashree1311@gmail.com			6369885581			
62	ONROAD VEHICLE BREAKDOWN ASSISTANCE FINDER	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
K Gayathri		Faculty			Female		kayathrik1998@gmail.com			9566654771			
63	AGRICULTURE CROP DISEASE DETECTION USING ANDROID SYSTEM	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No

		Name				Type				Gender			Email		Contact	
		Keerthana				Student				Female			keerthanakeerthy107@gmail.com		8220103556	
64	AN EFFICIENT EMPLOYEE PAYROLL MANAGEMENT SYSTEM USING DECISION TREE	Process Innovation	Technological	PSNA College of Engineering and Technology	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No		
		Name				Type				Gender			Email		Contact	
		Pooja Krishnan B K				Student				Female			poojakrishnanbk@gmail.com		8675414788	
65	Heavy Earth Moving Machinery Monitoring System	Product Innovation	Technological	Electrical and Electronics Engineering	Student-Faculty	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Development Ongoing	Agency Name	Ministry of Coal	No	25000	No	No		
									Agency Type	Govt. Agency (Central)	Grant Amount in Rs					
									Award / Position / Recognition Secured	First						
		Name				Type				Gender			Email		Contact	
		Y Charles				Student				Male			charlesbeeee2020@gmail.com		9159543137	

66	Waste Separation Using ANN	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name					Type			Gender			Email		Contact
Shinega Saalini S					Student			Female			shinegasaalini211@gmail.com		9597888633
67	A Comparative Analysis of Unsupervised Machine Techniques for Liver Disease Prediction	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name					Type			Gender			Email		Contact
Sarmili M					Student			Female			sarmim98@gmail.com		9944973679
68	Piezo Based E-Vehicle Charging Station Using IOT	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Soundarya C				Student				Female			csoundarya1999@gmail.com		9047180744
69	Smart Guiding goggles for Visually Impaired Persons	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		S.Muthurajan				Student				Male			muthurajans06@gmail.com		9585185899
70	Design and development of dual axis controlled Robot for Medical Prescription Writing	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
		Name				Type				Gender			Email		Contact
		C.Priyanka				Student				Female			cnpriya1999@gmail.com		8110816415

71	Constrained random Verification of Serial Peripheral Interface using UVM	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email			Contact		
V.Ponnaiya		Student			Male			ponnaiyavijayaramu88@gmail.com			9894996695		
72	RsTD Based Low Rank Kernel Structure Decomposition using Neural Networks	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Vishaharajkumar C		Student			Male			vishahasparky123@gmail.com			9159171121		
73	Contradiction based on grey hole attack	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		Vijay C				Student				Male			karthickvijay180@gmail.com		8056675230
74	Hearth Rate Monitoring System using Arduino Uno	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
			Vimal M				Student				Male			mvimalanj@gmail.com	
75	Realisation of a novel Micro-strip Bandpass Filter	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	No	
			Vijay R				Student				Male			vijaymarch99@gmail.com	

76	Gas Leakage Prediction using IOT	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email		Contact			
Vijay T		Student			Male			vijayanto198@gmail.com		8754861326			
77	IOT BASED AUTOMATED SMART DRAINAGE WORKER SAFETY MONITORING SYSTEM	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender			Email		Contact			
lavanya r		Student			Male			rrlavanyarani@gmail.com		9087630388			
78	DESIGN OF SIGNATRON FOR SPEAKING AND HEARING IMPAIRED PEOPLE	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No

		Name				Type				Gender			Email		Contact
		manikandan				Student				Male			manimuruganvbc@gmail.com		7010674349
79	SECURE FILE SHARING SYSTEM BASED ON AES USING VANET	Product Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		logapriya r				Student				Female			logapriya624401@gmail.com		9080450585
80	ANALYSIS OF VARIABILITY IN LIVER TUMOUR	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No		No	
		Name				Type				Gender			Email		Contact
		manoj kumar v				Student				Male			kumarmanoj19998@gmail.com		8248416229

81	MODELLING AND SIMULATION OF SOLAR POWER IRRIGATION SYSTEM USING LUO CONVERTER	Process Innovation	Technological	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY -ECE	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
madhumitha r		Student			Female		mathumithalal@gmail.com			7598299133			
82	Power Generation from WSTE Lube oil through Pyrolysis	Market-place Innovation	Technological	PSNA College of Engineering and Technology	Student-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			
Mr.J.Murugesan		Faculty			Male		murugesanjej@psnacet.edu.in			9843212315			
Name		Type			Gender		Email			Contact			
R.Srinivas Rao		Student			Male		srinivas1998ramesh@gmail.com			9659539663			

83	Purification of waste water through sunlight in domestic buildings	Service Innovation	Technological	PSNA College of Engineering and Technology	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email		Contact				
Mr.L.Vadivel Kannan		Faculty			Male		vadivelkannan@psnacet.edu.in		9965335859				
Name		Type			Gender		Email		Contact				
M.Selva Praveen		Student			Male		mselvapraveen@psnacet.edu.in		7904494473				
84	Design and analysis of Torque link in Landing gear of Aircraft	Reverse Engineering	Technological	PSNA College of Engineering and Technology	Student-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				
Mr.L.Vadivel Kannan		Faculty			Male		vadivelkannan@psnacet.edu.in		9965335859				
Name		Type			Gender		Email		Contact				
M.Manoj Kumar		Student			Male		mmanojkumar@psnacet.edu.in		9952144873				

85	AN EFFICIENT APPROACH TO DETERMINE CELL FORMATION AND INTRACELL LAYOUT DESIGN USING OPERATION SEQUENCE AND MULTIPLE ROUTINGS	Process Innovation	Technological	PSNA College of Engineering and Technology	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.S.Raja		Faculty			Male			maduraisraja@psnacet.edu.in			9894547730		
Name		Type			Gender			Email			Contact		
DINESH KUMAR M		Student			Male			ganeshraphu.b@gmail.com			8903019863		
86	Two fold brake system analysis in Heavy duty automobiles	Product Innovation	Technological	PSNA College of Engineering and Technology	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact		
K.Kannan		Faculty			Male			kkannan@psnacet.edu.in			9944410418		
Name		Type			Gender			Email			Contact		
J.Manoj		Student			Male			jmanoj16101998@gmail.com			9842463268		

87	DESIGN AND FABRICATION OF POWER GENERATION BY REVOLVING DOOR SYSTEM	Product Innovation	Technological	PSNA College of Engineering and Technology	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
M.saravanakumar.m		Faculty			Male		saravanakumar0915@psnacet.edu.in			9488550065			
Name		Type			Gender		Email			Contact			
mohamed Dhanush		Student			Male		smddanish29@psnacet.edu.in			7010243205			
88	SIGNATURE ANALYSIS OF VCR ENGINE USING HONEY COMB MOUNT	Process Innovation	Technological	"PSNA College of Engineering and Technology"	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dinesh K		Student			Male		dinezk98@gmail.com			9994160320			

89	GENERATION OF ELECTRICITY UTILIZING WASTE HEAT OF IC ENGINES USING THERMO ELECTRIC GENERATOR AND DYNAMO	Product Innovation	Technological	"PSNA College of Engineering and Technology"	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dujart Praveen D		Student			Male		DUJARTDIAS@GMAIL.COM			7708884810			
90	Solar power assisted wearable sleeve for the night riders	Product Innovation	Technological	PSNA IPR CELL	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	3950	No	No
Name		Type			Gender		Email			Contact			
J.E.MOSHE DAYAN		Faculty			Male		patent@psnacet.edu.in			9894125556			
Name		Type			Gender		Email			Contact			
V.RAJASEKARAN		Faculty			Male		hodeeee@psnacet.edu.in			9443163845			
91	Confidential Sub-dictionaries Over Encrypted Data	Product Innovation	Technological	Software Development lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	No	No	No

Name		Type							Gender			Email		Contact
HAMSA DEVI J G		Student							Female			hamsadevijg1997@gmail.com		9443674602
92	HEART DISEASE PREDICTION SYSTEM USING DATA MINING TECHNIQUE WITH NAIVE BAYES ALGORITHM	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No	
Name		Type							Gender			Email		Contact
Kiruthika R		Student							Female			krithikapriya19@gmail.com		8210752077
93	INTERACTION ANALYSIS IN SOCIAL NETWORK USING DATA MINING	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Dropped	No	No	No	No	No	
Name		Type							Gender			Email		Contact
Nilofer Nisha M		Student							Female			kiruthikavyya98@gmail.com		9092722194
94	MACHINE LEARNING BASED LANE DETECTION OF CURVE ROAD TO ASSIST DRIVERS	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Dropped	No	No	No	No	No	
Name		Type							Gender			Email		Contact
Lavanya P		Student							Female			navialralic1031@gmail.com		8220828290

95	RICE CROP YIELD PREDICTION USING SUPPORT VECTOR MACHINE	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Meena M		Student			Female		meenakshit0310@gmail.com			7094293243			
96	LOAD BALANCING WITH IMPROVED SECURITY FOR DISTRIBUTED FILE SYSTEM IN CLOUD	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Megalatha		Student			Female		megalathakrishna@gmail.com			7871943293			
97	SOCIAL NETWORK'S RISK ASSESSMENT BASED ON DYNAMIC BLOCKING ALGORITHM	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Dropped	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Prasanth T		Student			Male		prasanth180299@gmail.com			9514826457			

98	UNIFIED INTRUSION ALERT SYSTEM USING MOTION DETECTION AND FACE RECOGNITION	Process Innovation	Technological	PSNAC ET	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Dropped	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Nandhini P	Student	Female	nandhiniperumalsamy@gmail.com	9566969726

99	WEARABLE SYSTEM FOR MONITORING ON FIELD PERFORMANCE OF SPORTS PERSON	Product Innovation	Technological	Center of excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
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Name	Type	Gender	Email	Contact
X.Infant Joe Vinitha,	Student	Female	jovinabasker@gmail.com	7448393514

Name	Type	Gender	Email	Contact
Mrs. S. A. Priyanka	Faculty	Female	priyankasa@psnacet.edu	9443856566

100	SUPPORT VECTOR MACHINE BASED CHRONIC KIDNEY DISEASE DETECTION	Process Innovation	Technological	Center for excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
					Name		Type		Gender		Email		Contact
					K.Sameem Banu		Student		Female		samritikabanu123@gmail.com		7395845489
					Name		Type		Gender		Email		Contact
					Ms. G. Sudhanthira		Faculty		Female		gsudhanthira@psnacet.edu.in		9677133647
101	IOT BASED INFANT CRADLE MONITORING SYSTEM	Product Innovation	Technological	Center of excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
					Name		Type		Gender		Email		Contact
					J. Anirudh		Student		Male		janirudh15121998@gmail.com		7094194978
					Name		Type		Gender		Email		Contact
					Mr. K. Pradeep		Faculty		Male		pradeep@psnacet.edu.in		9003659620

102	ANESTHESIA CONTROL SYSTEM WITH MULTISENSORS USING ARDUINO UNO	Product Innovation	Technological	Center of excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Sunny Babu, S.		Student			Male		sunnybabu94@yahoo.com			9496618929			
Name		Type			Gender		Email			Contact			
Mrs. S. A. Priyanka		Faculty			Female		priyankasa@psnacet.edu			9443856566			
103	GESTURE AND FLEX SENSOR BASED VOICE DEVICE FOR DUMB PEOPLE	Product Innovation	Technological	Center of excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
Name		Type			Gender		Email			Contact			
P. Sathish Kumar		Student			Male		sathyasitars@gmail.com			6369574425			
Name		Type			Gender		Email			Contact			
Dr. S. Sriram		Faculty			Male		sriram@psnacet.edu.in			8637666753			

104	BLOOD CLOT DETECTION USING VISCOSITY MONITORING	Product Innovation	Technological	Center of excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
Name		Type			Gender		Email			Contact			
T. Jayapratha		Student			Female		jpthirupathi1999@gmail.com			7397567298			
Name		Type			Gender		Email			Contact			
Mrs. S. A. Priyanka		Faculty			Female		priyankasa@psnacet.edu			9443856566			
105	NON INVASIVE DEEP BRAIN STIMULATION VIA TEMPORALLY INTERFERING ELECTRIC FIELD FOR PARKINSON'S DISEASE	Product Innovation	Technological	Center of Excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Selvabharathi.R		Student			Female		smbharathi99@gmail.com			9943810216			
Name		Type			Gender		Email			Contact			
Mrs. B. Subha		Faculty			Female		subhab@psnacet.edu.in			8973281169			

106	VISUAL BASED VOICE CONTROL NAVIGATION TECHNIQUE FOR VISUALLY IMPAIRED USING AI BOARD	Product Innovation	Technological	Center of Excellence with advanced tools	Student	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 Adopted and Implemented at Ground	No	No	No	No	No
Name		Type			Gender		Email			Contact			
R.Sadhana		Student			Female		sadhana.rajasekar1999@gmail.com			7708302301			
Name		Type			Gender		Email			Contact			
Mrs. B. Subha		Faculty			Female		subhab@psnacet.edu.in			8973281169			
107	Use Of Calcined Used Foundry Sand(CUFS) As Alternate Filler For Mortar And Concrete	Process Innovation	Technological	Civil Engineering Lab	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Janani J		Student			Female		janani5723@gmail.com			9047265572			

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/ HEI received any income/revenue from venture /startup for the pre-incubation/incubation support and the services offered by Pre-incubation/ incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Auzare Technologies pvt ltd, Madurai	Product Innovation	Technological	516	Student	Venture with Corporate Identification Number (CIN) Registration 0	2019-20	Graduated from the Incubation unit	No	No	No	No	No
	Name		DIN number		Type		Gender		Email		Contact		
S.UmarFarook		0		Alumni Entrepreneur		Male		umarindian2012@gmail.com		9944255530			
2	WECHSAL TECHNOLOGIES PRIVATE LIMITED	Process Innovation, Service Innovation	Technological	4315	Alumni	Venture with Corporate Identification Number (CIN) Registration U72900TN2017PTC114065	2016-17	Graduated from the Incubation unit	No	No	No	No	No
	Name		DIN number		Type		Gender		Email		Contact		
MOHAMED NIYAMATHULLA FATHAULLA MOHAMED A		07644457		Alumni Entrepreneur		Male		samervj@gmail.com		9965485042			

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
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1	EIT Training and RPO	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	23-10-2019
2	Biovision Medical Systems	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	48	23-10-2019
3	D-Link Academy	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	40	13-03-2019
4	IT - REDHAT LINUX	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	20	03-04-2019
5	IT- CDAC(CENTRE FOR ADVANCED COMPUTING)	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	30	25-02-2019
6	IT-INTEL INTELLIGENT SYSTEMS LAB	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	40	12-02-2019
7	IT -IBM Connect Event	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	20	19-06-2019
8	Perpetro Technologies Pvt. Ltd., Chennai	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	10	03-08-2019
9	Infoziant Systems Pvt. Ltd., Chennai	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	9	03-08-2019
10	IBM India Private Limited, Bengaluru	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	29-11-2019
11	IMIK Technologies, Coimbatore	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	9	03-08-2019
12	ICT Academy of Tamil Nadu, Chennai	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	19-03-2019
13	BLUETRONICS	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation	8	12-07-2019
14	Vland Best Hub India and Vland Consultants Singapore	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	23-03-2019
15	Bentley Systems International Pvt Ltd	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	17-02-2020
16	NI Systems (INDIA) PVT LTD,Bangalore	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	21-03-2019
17	Steps Knowledge Services Pvt Ltd - Texas Instruments	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Seed fund	08	10-05-2019
18	Synergy Measurement Technologies Pvt.Ltd.	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	5	04-07-2019
19	Tamil Nadu Pollution Control Board	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	04-02-2020
20	Mahendra Pumps Pvt Ltd,Coimbatore	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019
21	Co.India Limited,Coimbatore	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019
22	Roots Industries India Limited,Coimbatore	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019
23	Ford India Pvt Ltd,Chennai	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019

24	Madura Steels Industries(Pvt) Ltd, Dindigul	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019
25	ISHRAE, Madurai	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	0	01-01-2019
26	SAEISS, Chennai	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	0	01-01-2019
27	Nasscom, Bangalore	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	0	21-08-2019

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Design of a dust elimination machine for domestic utility	IPRFiledPublished	L-88282/2019	National	2019 - 10	Uploaded	Published	No
Department/Centre Name								
Department of Mechanical								

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	Automated library information system thereof	202041004581	National	2020 - 01	Uploaded
2	automated passport information system thereof	202041012769	National	2020 - 03	Uploaded
3	An Effective Method of Switching Activity Reduction in Multiplexer Using Canonic Signed Digit	20194108504	National	2019 - 07	Uploaded
4	Automatic Stenosis Grading System for Diagnosing Coronary Artery Disease based on Coronary Angiogram	201941039377	National	2019 - 09	Uploaded
5	Solar and wind powered series hybrid Ground vehicle	317438 Grant	National	2019 - 08	NA
6	CUSTOMISABLE WINDING INSTANT-NOTIFIER	201941030842	National	2019 - 07	NA
7	SOLAR POWERED SMART SIGNALING SLEEVE FOR NIGHT DRIVERS	201941030851	National	2019 - 07	NA
8	SOLAR POWER ASSISTED, VOICE CONTROLLED, WARMING CRUNCH DISPERSER	201941030844	National	2019 - 07	Uploaded
9	SOLAR POWER ASSISTED BOOK READING TRACKER	201941030849	National	2019 - 07	NA
10	MOTORISED HYDRAULIC JACK OPERATED WITH USB CABLE AND CIGARETTE PLUG	201941030853	National	2019 - 07	NA

11	RENEWABLE ENERGY CONSUMPTION BY LOCOMOTIVE (TRAIN)	201941030854	National	2019 - 07	NA
12	PORTABLE CAR CHASSIS CLEANING MACHINE	201941030855	National	2019 - 07	NA
13	Portable Car Chassis Cleaning Machine	201941030855	National	2019 - 07	Uploaded
14	Renewable Energy Consumption By Locomotive (Train)	201941030854	National	2019 - 07	Uploaded
15	Motorised Hydraulic Jack Operated With Usb Cable And Cigarette Plug	201941030853	National	2019 - 07	Uploaded
16	AUTOMATED DETECTION OF CERVICAL CANCER USING PAP SMEAR IMAGES	202041006856	National	2020 - 02	Uploaded
17	AN APPARATUS OF SIGNATRON FOR PEOPLE WITH SPEAKING, HEARING AND VISUAL IMPAIRMENT	201941025322	National	2019 - 11	Uploaded
18	A WEARABLE APPARATUS FOR DUMB PEOPLE AND METHOD THEREOFF	201941025328	National	2019 - 11	Uploaded
19	AN APPARATUS FOR MULTI-LANGUAGE CONVERSATION DEVICE FOR TACITURN PEOPLE	201941025329	National	2019 - 11	Uploaded
20	IOT BASED DETECTION, TRACKING LOCATION AND UNAUTHORIZED ACCESS INTIMATION OF JEWELS	202041002655	National	2020 - 01	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

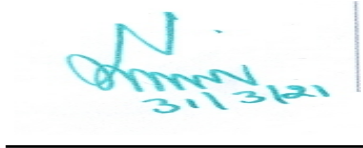
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. D.Vasudevan (Head of Institute) and Dr. A.VINCENT ANTONY KUMAR (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

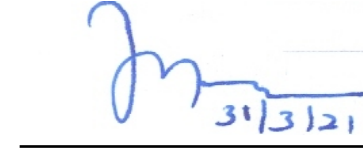
Thank you

The Head of Institute



Dr. D.Vasudevan
Head of the Institution,
Dindigul, Tamil Nadu

Nodal officer



Dr. A.VINCENT ANTONY KUMAR
Nodal Officer,
Dindigul, Tamil Nadu