



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

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

Institute Name: ST. MARTIN'S ENGINEERING COLLEGE [ARI-C-19780]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Computer Science and Engineering	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	958	51	16
Electronics and Communication Engineering	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	925	53	16
Information Technology	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	240	14	12
Mechanical Engineering	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	582	36	12
Civil Engineering	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	446	25	16
Electrical and Electronics Engineering	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	218	17	12
Master of Business Administration	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Non-Technical	141	13	6
MSME Incubation Center	Incubation Unit	Multidisciplinary	At all level	Technical	3510	209	90
Kautilya Training and Placement Wing	Industry Institute Interface Unit	Multidisciplinary	At all level	Both	3510	209	90
Internal Quality Assurance Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Multidisciplinary	At all level	Both	3510	24	10
EEE -Ohms Research Unit Park	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	218	17	12
EEE- Tesla Pre- Incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	218	17	12
EEE- BETA Industry Institute Interface Unit	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	218	17	12
EEE- Thomson Center of Excellence with Advanced Tools and Equipment	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Technical	218	17	12
IT- Innovative Information For Technical Research Unit	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	240	14	12
IT- IoT Pre-Incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	240	14	12

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

IT-Industry Institute Information Cell	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	240	14	12
IT-Charles Center of Excellence with Advanced Computing	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Technical	240	14	12
Mech- AVISHKAR Research and Development center	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	582	36	12
Mech- APJ Abdul Kalam Incubation Center	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	582	36	12
META- An Exclusive MECH EDC Center	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	582	36	12
Mech- Robotics Advanced Laboratory	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	582	36	12
CSE- Innovations in information systems and Database Security research unit	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	958	51	16
CSE- IoT Pre-Incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	958	51	16
CSE- Industry Institute Interaction Cell	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	958	51	16
CSE- Alan Turing Center of Excellence with Advanced Technologies	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Technical	958	51	16
Civil- Terzaghis Research Unit	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	446	25	16
Civil- Mohrs Pre- Incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	446	25	16
Civil- Sir Mokshagundam visweswaraiah Industry Institute Interface Unit	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	446	25	16
Civil- Coulomb Center of Excellence with Advanced Tools and Equipment	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Technical	446	25	16
ECE- Ben Franklin Research Unit	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	925	53	16
ECE- Frontline Electronic Engineers incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	925	53	16
ECE- Communicative Embedded Industry Institute Interface Unit	Industry Institute Interface Unit	Core	UG / PG / PhD	Technical	925	53	16
ECE - Shannon Smart Electronics Center of Excellence with Advanced Tools and Equipment	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Technical	925	53	16
MBA- Peter F. Drucker Research unit	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Both	141	13	6
MBA- F.W. Taylor Pre- Incubation Unit	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Both	141	13	6
MBA- Maslow Industry Institute Interface Unit	Industry Institute Interface Unit	Core	UG / PG / PhD	Non-Technical	141	13	6
MBA- Markowitz Center of Excellence with advanced Tools and Equipment	Centre of Excellence with Advance Tools & Equipment	Core	UG / PG / PhD	Non-Technical	141	13	6

## 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 : IC201912324
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

## 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	Advance Trends and Technologies	Innovation	Seminar	Student Lead Activity	Information Technology	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	60	0	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5300	No
2	Advanced Algorithms	Innovation	Motivational speak	Student Lead Activity	Information Technology	01-06-2019 00:00:00	01-06-2019 00:00:00	1	Within Campus	40	0	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5220	No
3	Computer Organization and Architecture	Innovation	Motivational speak	Student Lead Activity	Information Technology	08-05-2019 00:00:00	08-05-2019 00:00:00	1	Within Campus	56	0	0	0	56	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5560	No
4	IOT in manufacturing	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	04-12-2019 00:00:00	04-12-2019 00:00:00	1	Within Campus	100	13	0	0	113	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 12560	No

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

5	3D Printing and its applications	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	05-04-2019 00:00:00	05-04-2019 00:00:00	1	Within Campus	90	7	0	0	97	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7300	No						
6	Machine Learning using Python	Innovation	Workshop	Student Lead Activity	Information Technology	20-11-2019 00:00:00	23-11-2019 00:00:00	4	Within Campus	48	2	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14200	<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>BEST INNOVATIVE PROJECT</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	BEST INNOVATIVE PROJECT	Award/Recognition/Achievement Received for	
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7	Samasya under J-Hub	Innovation	Workshop	Student Lead Activity	Information Technology	11-07-2019 00:00:00	11-07-2019 00:00:00	1	Within Campus	47	3	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10500	No						
8	Dev Ops	Innovation	Workshop	Student Lead Activity	Information Technology	28-10-2019 00:00:00	30-10-2019 00:00:00	3	Within Campus	48	2	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14520	No						
9	Functional Dependency and Normalization	Innovation	Mentoring Session	Student Lead Activity	Information Technology	27-12-2019 00:00:00	27-12-2019 00:00:00	1	Within Campus	38	2	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5320	No						
10	Deep Learning	Innovation	Mentoring Session	Student Lead Activity	Information Technology	25-11-2019 00:00:00	25-11-2019 00:00:00	1	Within Campus	40	3	0	0	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5200	No						

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11	Micro Processor	Innovation	Mentoring Session	Student Lead Activity	Information Technology	28-10-2019 00:00:00	28-10-2019 00:00:00	1	Within Campus	40	3	0	0	43	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5230	No
12	Basics of Programming	Innovation	Mentoring Session	Student Lead Activity	Information Technology	23-09-2019 00:00:00	23-09-2019 00:00:00	1	Within Campus	48	2	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5200	No
13	Advances in Structural Analysis	Innovation	Mentoring Session	Student Lead Activity	Information Technology	23-07-2019 00:00:00	23-07-2019 00:00:00	1	Within Campus	38	2	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5030	No
14	AI and ML	Innovation	Mentoring Session	Student Lead Activity	Information Technology	13-07-2019 00:00:00	13-07-2019 00:00:00	1	Within Campus	38	2	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6300	No
15	Design of Residential Building Using STAAD. Pro	Innovation	Workshop	Institute Lead Activity	Civil Engineering	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Within Campus	350	5	0	0	355	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10800	No
16	Building CGI Applications	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Computer Science and Engineering	16-08-2019 00:00:00	17-08-2019 00:00:00	2	Within Campus	160	4	0	0	164	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10900	No
17	Real time applications using Python	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Computer Science and Engineering	05-11-2019 00:00:00	06-11-2019 00:00:00	2	Within Campus	200	2	0	0	202	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10900	No

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18	Artificial Intelligence and its applications	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Computer Science and Engineering	29-01-2020 00:00:00	29-01-2020 00:00:00	1	Within Campus	174	2	0	0	176	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5100	No						
19	Customization of mining algorithms using R tool	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Computer Science and Engineering	06-02-2020 00:00:00	07-02-2020 00:00:00	2	Within Campus	200	2	50	0	252	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10100	<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>BEST PAPER</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	BEST PAPER	Award/Recognition/Achievement Received for	
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20	Developing mobile applications using Android	Innovation	Mentoring Session	Institute Lead Activity	Computer Science and Engineering	18-02-2020 00:00:00	18-02-2020 00:00:00	1	Within Campus	180	2	0	0	182	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5200	No						
21	Computational Things and Problem Solving	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Computer Science and Engineering	10-01-2020 00:00:00	11-01-2020 00:00:00	2	Within Campus	50	3	50	3	106	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10200	No						
22	AI and Machine Learning	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	08-07-2019 00:00:00	11-07-2019 00:00:00	4	Within Campus	55	5	55	5	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	124000	No						
23	AI and Machine Learning	Innovation	Workshop	Institute Lead Activity	Electronics and Communication Engineering	23-12-2019 00:00:00	26-12-2019 00:00:00	4	Within Campus	37	2	18	2	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	37570	No						

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24	Advancements in Electrical Machines	Innovation	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	46	2	0	0	48	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3260	No
25	Overview of Special Machines	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	28-10-2019 00:00:00	28-10-2019 00:00:00	1	Within Campus	42	2	0	0	44	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3250	No
26	Underground Cables	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	45	4	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3750	No
27	Renewable Energy Resources	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	27-07-2019 00:00:00	27-07-2019 00:00:00	1	Within Campus	45	3	0	0	48	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3760	No
28	Simulation of Electrical Circuits using MATLAB	Innovation	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	08-07-2019 00:00:00	08-07-2019 00:00:00	1	Within Campus	45	2	0	0	47	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3450	No
29	Flying Electric Generator FEG Technology	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical and Electronics Engineering	05-12-2019 00:00:00	05-12-2019 00:00:00	1	Within Campus	45	3	0	0	48	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5850	No
30	Buck Boost Converters for Battery Chargers	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical and Electronics Engineering	29-11-2019 00:00:00	29-11-2019 00:00:00	1	Within Campus	45	2	0	0	47	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5850	No

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31	SCADA in Power Distribution Systems	Innovation	Seminar	Institute Lead Activity	Electrical and Electronics Engineering	06-11-2019 00:00:00	06-11-2019 00:00:00	1	Within Campus	45	4	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5850	No
32	Modern Speed Control Technologies of AC Drives	Innovation	Seminar	Institute Lead Activity	Electrical and Electronics Engineering	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	45	2	0	0	47	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5850	No
33	Bio Batteries	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Electrical and Electronics Engineering	20-06-2019 00:00:00	20-06-2019 00:00:00	1	Within Campus	42	2	0	0	44	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5850	No
34	MATLAB Integration with DSPACE	Innovation	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	27-10-2019 00:00:00	28-10-2019 00:00:00	2	Within Campus	37	3	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14800	No
35	Solving recurrence equations using substitution and master's method	Innovation	Seminar	Institute Lead Activity	Computer Science and Engineering	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Within Campus	213	2	0	0	215	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5050	No
36	Data Science and Analytics	Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	09-12-2019 00:00:00	12-12-2019 00:00:00	4	Within Campus	45	5	50	0	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	45020	No
37	Financial Inclusion in India	IPR	Seminar	Institute Lead Activity	Masters in Business Administration	17-08-2019 00:00:00	17-08-2019 00:00:00	1	Within Campus	178	2	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5050	No



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

38	Recent trends in Supply chain management practices	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Masters in Business Administration	29-10-2019 00:00:00	29-10-2019 00:00:00	1	Within Campus	183	2	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5040	No
39	Risk management tools	IPR	Seminar	Institute Lead Activity	Masters in Business Administration	11-07-2019 00:00:00	11-07-2019 00:00:00	1	Within Campus	183	2	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5060	No
40	Strategic management practices	IPR	Seminar	Institute Lead Activity	Masters in Business Administration	20-11-2019 00:00:00	20-11-2019 00:00:00	1	Within Campus	183	2	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5050	No
41	R – Technique	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Masters in Business Administration	09-07-2019 00:00:00	09-07-2019 00:00:00	1	Within Campus	188	2	0	0	190	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5520	No
42	Mutual Funds	IPR	Motivational speak	Institute Lead Activity	Masters in Business Administration	28-12-2019 00:00:00	28-12-2019 00:00:00	1	Within Campus	178	2	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5530	No
43	Capital Markets	IPR	Motivational speak	Institute Lead Activity	Masters in Business Administration	16-12-2019 00:00:00	16-12-2019 00:00:00	1	Within Campus	183	2	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5420	No
44	Mentor Mind –Industry Insights to Students	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Masters in Business Administration	27-11-2019 00:00:00	27-11-2019 00:00:00	1	Within Campus	182	3	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5450	No

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45	New trends in Human resource s Management	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	13-11-20 19 00:00:00	13-11-20 19 00:00:00	1	Within Campus	160	2	0	0	162	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5450	No
46	Employe e diversity	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	11-08-20 19 00:00:00	11-08-20 19 00:00:00	1	Within Campus	160	4	0	0	164	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5045	No
47	Indian financial markets	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	24-10-20 19 00:00:00	24-10-20 19 00:00:00	1	Within Campus	178	2	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5450	No
48	Derivativ e market in India	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	26-09-20 19 00:00:00	26-09-20 19 00:00:00	1	Within Campus	182	3	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5500	No
49	Financial inclusion	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	20-09-20 19 00:00:00	20-09-20 19 00:00:00	1	Within Campus	180	4	0	0	184	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5420	No
50	Micro finance in India	Entrepre neurship/ Startup	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	16-09-20 19 00:00:00	16-09-20 19 00:00:00	1	Within Campus	160	3	0	0	163	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5400	No
51	Basics of Stock Exchange	IPR	Motivatio nal speak	Institute Lead Activity	Masters in Business Administr ation	08-08-20 19 00:00:00	08-08-20 19 00:00:00	1	Within Campus	73	2	0	0	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5450	No

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

52	Data analysis and decision making	IPR	Motivational speak	Institute Lead Activity	Masters in Business Administration	24-07-2019 00:00:00	24-07-2019 00:00:00	1	Within Campus	74	2	0	0	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5500	No						
53	Guest lecture On Cyber Security	IPR	Motivational speak	Institute Lead Activity	Masters in Business Administration	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Within Campus	73	2	0	0	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5450	No						
54	Technical analysis	IPR	Workshop	Institute Lead Activity	Masters in Business Administration	16-09-2019 00:00:00	16-09-2019 00:00:00	1	Within Campus	178	2	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7500	No						
55	Competency mapping using AI	Innovation	Workshop	Institute Lead Activity	Masters in Business Administration	08-10-2019 00:00:00	08-10-2019 00:00:00	1	Within Campus	183	2	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7500	No						
56	National Innovation	Innovation	Workshop	Institute Lead Activity	Masters in Business Administration	20-12-2019 00:00:00	20-12-2019 00:00:00	1	Within Campus	182	3	0	0	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7500	No						
57	Enterprise Resource Planning	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Masters in Business Administration	06-11-2019 00:00:00	09-11-2019 00:00:00	4	Within Campus	10	2	27	0	39	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10500	<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>BEST PAPER</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	BEST PAPER	Award/Recognition/Achievement Received for	
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Award/Recognition/Achievement Received for																							

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

58	Need for Up-Skilling	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Masters in Business Administration	20-08-2019 00:00:00	23-08-2019 00:00:00	4	Within Campus	10	2	30	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10700	Award / Position / Recognition Secured	
																	Title of Innovation / Start-up Secured the Award / Recognition	BEST IDEA
																	Award/Recognition/Achievement Received for	
59	GST and Taxation	IPR	Workshop	Institute Lead Activity	Masters in Business Administration	17-12-2019 00:00:00	20-12-2019 00:00:00	4	Within Campus	10	2	33	0	45	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14500	No	
60	Sustainable Manufacturing	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	25-05-2019 00:00:00	25-05-2019 00:00:00	1	Within Campus	95	3	0	0	98	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7020	No	
61	Applications of Heat exchangers in a process industry	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	08-06-2019 00:00:00	08-06-2019 00:00:00	1	Within Campus	120	1	0	0	121	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8020	No	
62	Testing of weldments NDT methods	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	14-08-2019 00:00:00	14-08-2019 00:00:00	1	Within Campus	87	2	0	0	89	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7450	No	
63	Metrology engineering applications	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	23-10-2019 00:00:00	23-10-2019 00:00:00	1	Within Campus	130	2	0	0	132	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12500	No	

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

64	CFD analysis of static equipments	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	20-12-2019 00:00:00	20-12-2019 00:00:00	1	Within Campus	126	3	0	0	129	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8500	No
65	Experimental Techniques in welding Technology	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Mechanical Engineering	17-05-2019 00:00:00	18-05-2019 00:00:00	2	Within Campus	120	1	13	0	134	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	43200	No
66	Micro Manufacturing Techniques	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	14-06-2019 00:00:00	14-06-2019 00:00:00	1	Within Campus	123	2	18	0	143	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	39200	No
67	Vibration Monitoring and Analysis of Mechanical Systems	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Mechanical Engineering	30-08-2019 00:00:00	31-08-2019 00:00:00	2	Within Campus	95	2	21	0	118	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	27200	No
68	Challenges and Latest Participated in a Nano Composites (CLTNC)	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	13-12-2019 00:00:00	14-12-2019 00:00:00	2	Within Campus	141	2	23	0	166	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	27200	No
69	Two Days Workshop On Design of Experiment Using Taguchi Method and Artificial Neural Network	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	02-07-2019 00:00:00	03-07-2019 00:00:00	2	Within Campus	130	2	14	0	146	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	32000	No
70	Arduino and PLC Based Automation in Thermal, Production and Automobile Fields	Innovation	Skill development	Institute Lead Activity	Mechanical Engineering	23-11-2019 00:00:00	23-11-2019 00:00:00	1	Within Campus	87	2	0	0	89	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7200	No

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

71	Engineering Simulation for physical product Development and Manufacturing	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Mechanical Engineering	09-08-2019 00:00:00	09-08-2019 00:00:00	1	Within Campus	127	2	0	0	129	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8200	No
72	Advances in internal combustion Engines	Innovation	Motivational speak	Institute Lead Activity	Mechanical Engineering	09-07-2019 00:00:00	09-07-2019 00:00:00	1	Within Campus	120	1	0	0	121	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8500	No
73	Advanced Techniques of Corrosion Prevention	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Mechanical Engineering	15-06-2019 00:00:00	15-06-2019 00:00:00	1	Within Campus	95	2	0	0	97	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7050	No
74	Emerging Trends in Concentrated Solar Technologies	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Mechanical Engineering	07-06-2019 00:00:00	07-06-2019 00:00:00	1	Within Campus	96	2	0	0	98	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7040	No
75	Basics of thermal & Fluid sciences	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Mechanical Engineering	27-04-2019 00:00:00	27-04-2019 00:00:00	1	Within Campus	110	3	0	0	113	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12500	No
76	Thermodynamic analysis of refrigeration system	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Mechanical Engineering	01-04-2019 00:00:00	01-04-2019 00:00:00	1	Within Campus	130	2	0	0	132	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10200	No
77	Teaching and learning skills beyond the class Room	Innovation	Skill development	Institute Lead Activity	Dept. of Science and Humanities	12-11-2019 00:00:00	13-11-2019 00:00:00	2	Within Campus	20	1	19	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	17420	No

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

78	Art of Effective Communication	Innovation	Skill development	Institute Lead Activity	Dept. of Science and Humanities	25-09-2019 00:00:00	26-09-2019 00:00:00	2	Within Campus	21	2	12	0	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20280	No						
79	ENVIRONMENTAL SUSTAINABILITY	Entrepreneurship/Startup, Innovation	Hackathon	Student Lead Activity	Computer Science and Engineering, Information Technology, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering, Masters in Business Administration	07-02-2020 00:00:00	08-02-2020 00:00:00	2	Within Campus	150	6	82	0	238	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	152000	<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>3D Hand writing machine</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td></td> </tr> </table>	Award / Position / Recognition Secured	FIRST POSITION	Title of Innovation / Start-up Secured the Award / Recognition	3D Hand writing machine	Award/Recognition/Achievement Received for	
Award / Position / Recognition Secured	FIRST POSITION																						
Title of Innovation / Start-up Secured the Award / Recognition	3D Hand writing machine																						
Award/Recognition/Achievement Received for																							

**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
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**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**

1	Data Science and Data Analytics through Python and R Programming	Innovation	Workshop	Gudlavalluru Engineering college	Educational Institute	27-01-2020 00:00:00	08-02-2020 00:00:00	13	0	1	1	Yes	THIRD POSITION	BEST PAPER	Total Total Expense Amount Incurred by Institute? (In Rupees)	3200	Award / Position / Recognition Secured	THIRD POSITION
2	Science Fest - - Srujanakura-VIGNAN S Deemed to be University	Innovation	Workshop	Vignans University Vadamudi of Guntur	Educational Institute	13-03-2020 00:00:00	16-03-2020 00:00:00	4	4	0	4	Yes	SECOND POSITION	BEST PROJECT	Total Total Expense Amount Incurred by Institute? (In Rupees)	1020	Award / Position / Recognition Secured	SECOND POSITION
3	Machine Learning to Deep Learning - Trends and Challenges	Innovation	Workshop	Lakireddy Bali Reddy College of Engineering, Krishna Dist., AP	Educational Institute	18-11-2019 00:00:00	21-11-2019 00:00:00	4	0	3	3	Yes	FIRST POSITION	BEST PROJECT	Total Total Expense Amount Incurred by Institute? (In Rupees)	1540	Award / Position / Recognition Secured	FIRST POSITION
																	Title of Innovation / Start-up Secured the Award / Recognition	BEST PAPER
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype





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

7	National Conference on Construction, Mechanical and Industrial Engineering (NCCMIE)	Innovation	Conference	MRCET-Secunderabad	Educational Institute	03-10-2019 00:00:00	05-10-2019 00:00:00	3	0	4	4	Yes	SECOND POSITION	BEST PAPER	Total Total Expense Amount Incurred by Institute? (In Rupees)	12200	Award / Position / Recognition Secured	SECOND POSITION
8	National Conference on Mechanical And Production Engineering (NCMPE)	Innovation	Conference	MRIET-Secunderabad	Educational Institute	04-09-2019 00:00:00	05-09-2019 00:00:00	2	0	5	5	Yes	THIRD POSITION	BEST PAPER	Total Total Expense Amount Incurred by Institute? (In Rupees)	15200	Award / Position / Recognition Secured	THIRD POSITION
9	NCIIME-2019	Innovation	Conference	ARORA-Hyderabad	Educational Institute	27-05-2019 00:00:00	29-05-2019 00:00:00	3	0	20	20	Yes	SECOND POSITION	BEST RESEARCH WORK	Total Total Expense Amount Incurred by Institute? (In Rupees)	52000	Award / Position / Recognition Secured	SECOND POSITION
10	Automation For Smart Industry And Manufacturing	Innovation	Skill development	Mallareddy Engg College-Secunderabad	Educational Institute	12-05-2019 00:00:00	14-05-2019 00:00:00	3	0	2	2	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	1200	No	No

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

11	Collaborative Future Research in Engineering And Technology	Innovation	Skill development	KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY	Educational Institute	02-12-2019 00:00:00	05-12-2019 00:00:00	4	0	11	11	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	11000	No						
12	Research Methodologies - Approaches and Analysis	Innovation	Skill development	Mallareddy Engineering College for Women	Educational Institute	12-04-2019 00:00:00	15-04-2019 00:00:00	4	0	12	12	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	3600	No						
13	Internet of Things and Block Chain Technology	Innovation	Workshop	Aurora Engineering College	Educational Institute	20-05-2019 00:00:00	29-05-2019 00:00:00	10	0	5	5	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	3500	No						
14	Workshop on C and C plus plus	Innovation	Workshop	ICT MHRD	Govt. Agency (Central)	29-02-2020 00:00:00	29-02-2020 00:00:00	1	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	3650	No						
15	RISC-2019	Innovation	Exhibition	NIRDPR	Govt. Agency (Central)	27-09-2019 00:00:00	28-09-2019 00:00:00	2	25	2	27	Yes	FIRST POSITION	FIRST	Total Total Expense Amount Incurred by Institute? (In Rupees)	12200	<table border="1"> <tbody> <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>FIRST</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	FIRST POSITION	Title of Innovation / Start-up Secured the Award / Recognition	FIRST	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	FIRST POSITION																						
Title of Innovation / Start-up Secured the Award / Recognition	FIRST																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
16	State level Project Expo	Innovation	Exhibition	Mallareddy Engg College Secenderabad	Educational Institute	15-02-2020 00:00:00	15-02-2020 00:00:00	1	18	1	19	Yes	FIRST POSITION	FIRST	Total Total Expense Amount Incurred by Institute? (In Rupees)	2550	<table border="1"> <tbody> <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>FIRST</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	FIRST POSITION	Title of Innovation / Start-up Secured the Award / Recognition	FIRST	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	FIRST POSITION																						
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**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**

17	Nav Bharat Nirman-Indian International Science Festival (IISF-2019)	Entrepreneurship/Startup	Workshop	Ministry of Science and Technology Kolkata	Govt. Agency (State)	11-05-2019 00:00:00	14-05-2019 00:00:00	4	2	0	2	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	2560	No						
18	Science Fest Srujanakura VIGNAN S	Innovation	Workshop	Vignans University Vadamudi of Guntur	Educational Institute	13-03-2020 00:00:00	14-03-2020 00:00:00	2	4	0	4	Yes	SECOND POSITION	BEST IDEA	Total Total Expense Amount Incurred by Institute? (In Rupees)	2560	<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>BEST IDEA</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	SECOND POSITION	Title of Innovation / Start-up Secured the Award / Recognition	BEST IDEA	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	SECOND POSITION																						
Title of Innovation / Start-up Secured the Award / Recognition	BEST IDEA																						
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**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	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Masters in Business Administration	15-07-2019	23-11-2019	132	Offline	108	175
2	International Business	IPR	Short term Course	Short Term Certificate Course	Masters in Business Administration	12-08-2019	19-08-2019	8	Offline	88	32
3	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Electrical and Electronics Engineering	15-07-2019	23-11-2019	132	Offline	60	30
4	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Electronics and Communication Engineering	15-07-2019	23-11-2019	132	Offline	240	30
5	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Computer Science and Engineering	15-07-2019	23-11-2019	132	Offline	240	30
6	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Information Technology	15-07-2019	23-11-2019	132	Offline	60	30
7	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Civil Engineering	15-07-2019	23-11-2019	132	Offline	180	30

8	Industry Oriented Mini Project	Innovation	Full time Program	Credit Course (Compulsory)	Mechanical Engineering	15-07-2019	23-11-2019	132	Offline	120	30
9	Major Project	Innovation	Full time Program	Credit Course (Compulsory)	Electrical and Electronics Engineering	16-12-2019	30-04-2020	137	Offline	60	150
10	Major Project	Innovation	Full time Program	Credit Course (Compulsory)	Electronics and Communication Engineering	16-12-2019	30-04-2020	137	Offline	240	150
11	Major Project	Innovation	Full time Program	Credit Course (Compulsory)	Computer Science and Engineering	16-12-2019	30-04-2020	137	Offline	240	150
12	Major Project	Innovation	Full time Program	Credit Course (Compulsory)	Information Technology	16-12-2019	30-04-2020	137	Offline	60	150
13	Major project	Innovation	Full time Program	Credit Course (Compulsory)	Civil Engineering	16-12-2019	30-04-2020	137	Offline	180	150
14	Major Project	Innovation	Full time Program	Credit Course (Compulsory)	Mechanical Engineering	16-12-2019	30-04-2020	137	Offline	120	150
15	Intellectual Property Rights	IPR	Full time Program	Bachelor	Computer Science and Engineering	16-12-2019	30-04-2020	137	Offline	240	72
16	Intellectual Property Rights	IPR	Full time Program	Bachelor	Information Technology	16-12-2019	30-04-2020	137	Offline	60	72
17	Intellectual Property Rights	IPR	Full time Program	Bachelor	Civil Engineering	16-12-2019	30-04-2020	137	Offline	120	72
18	Intellectual Property Rights	IPR	Full time Program	Bachelor	Electronics and Communication Engineering	15-07-2019	23-11-2019	132	Offline	240	72
19	Intellectual Property Rights	IPR	Full time Program	Bachelor	Electrical and Electronics Engineering	15-07-2019	23-11-2019	132	Offline	60	72
20	Intellectual Property Rights	IPR	Full time Program	Bachelor	Mechanical Engineering	15-07-2019	23-11-2019	132	Offline	180	72

**LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Entrepreneurial Talk by Almuni	Entrepreneurship/Startup	Employment Generation Training Programs	Masters in Business Administration	04-12-2019	07-12-2019	4	Offline	300	30
2	Entrepreneurial Talk on Data Science	Entrepreneurship/Startup	Employment Generation Training Programs	Masters in Business Administration	21-11-2019	24-11-2019	4	Offline	110	30
3	Entrepreneurial Talk on Industry Academia Connect	Entrepreneurship/Startup	FDP in I&E / IPR	Masters in Business Administration	28-10-2019	31-10-2019	4	Offline	120	32
4	Entrepreneurial Talk on Fin Tech	Entrepreneurship/Startup	FDP in I&E / IPR	Masters in Business Administration	22-10-2019	26-10-2019	5	Offline	125	32

5	Entrepreneurial Talk on Machine Learning	Entrepreneurship/Startup	Employment Generation Training Programs	Masters in Business Administration	19-09-2019	22-09-2019	4	Offline	120	30
6	Entrepreneurial Talk on Follow your passion	Entrepreneurship/Startup	Employment Generation Training Programs	Masters in Business Administration	04-02-2019	08-02-2019	5	Offline	120	30
7	Entrepreneurship Orientation Program	Entrepreneurship/Startup	FDP in I&E / IPR	Masters in Business Administration	10-01-2019	13-01-2019	4	Offline	130	30

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Dr. M. Anuradha	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
	FDP on Startups	Entrepreneurship/Startup	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	15-05-2019 00:00:00	21-05-2019 00:00:00	7	Online
2	Dr. B. HariKrishna	Electronics and Communications 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
	FDP on Startups	Entrepreneurship/Startup	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	15-05-2019 00:00:00	21-05-2019 00:00:00	7	Online
3	Dr. N. Ramchandra	Electrical and Electronics 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
	FDP on Startups	Entrepreneurship/Startup	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	15-05-2019 00:00:00	21-05-2019 00:00:00	7	Online
4	Mr. Ch. Ranga Rao	Mechanical Engineering	Associate Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	FDP on Startups	Entrepreneurship/Startup	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	15-05-2019 00:00:00	21-05-2019 00:00:00	7	Online
5	Mrs. V. Prathima	Information Technology	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	FDP on Startups	Entrepreneurship/Startup	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	15-05-2019 00:00:00	21-05-2019 00:00:00	7	Online
6	Mr. K. Nishakar	Electronics and Communication Engineering	Associate Professor	No	Yes				

	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Online FDP on Entrepreneurship, incubation, innovation	Innovation	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd	Corporate / Industry Association	13-02-2020 00:00:00	19-02-2020 00:00:00	7	Online
7	Dr. Shivamant	Civil Engineering		Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Online FDP on Entrepreneurship, incubation, innovation	Innovation	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	13-02-2020 00:00:00	19-02-2020 00:00:00	7	Online
8	Mr. M. Bhojendra Naik	Mechanical Engineering		Associate Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Online FDP on Entrepreneurship, incubation, innovation	Innovation	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	13-02-2020 00:00:00	19-02-2020 00:00:00	7	Online
9	Mr. G. Ramesh Reddy	Electronics and Communication Engineering		Associate Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	Online FDP on Entrepreneurship, incubation, innovation	Innovation	FDP in I&E, IPR	Lasya IT Solutions Pvt. Ltd.	Corporate / Industry Association	13-02-2020 00:00:00	19-02-2020 00:00:00	7	Online
10	Mr. K. Satish	Humanities and Sciences		Assistant Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	MDP on Management of Innovation through Intellectual Property Rights	IPR	MDP in I&E, IPR	Siri1 Technologies	Corporate / Industry Association	20-09-2019 00:00:00	25-09-2019 00:00:00	6	Online
11	Mrs. Yamini Bhargavi	Masters in Business Administration		Assistant Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	MDP on Management of Innovation through Intellectual Property Rights	IPR	MDP in I&E, IPR	Siri1 Technologies	Corporate / Industry Association	20-09-2019 00:00:00	25-09-2019 00:00:00	6	Online
12	Mrs. CN. Sangeetha	Electrical and Electronics Engineering		Assistant Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	MDP on Management of Innovation through Intellectual Property Rights	IPR	MDP in I&E, IPR	Siri1 Technologies	Corporate / Industry Association	20-09-2019 00:00:00	25-09-2019 00:00:00	6	Online
13	Mr. Ambala Sarveswara Reddy	Humanities and Sciences		Assistant Professor		No		Yes	

	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	MDP on Management of Innovation through Intellectual Property Rights	IPR	MDP in I&E, IPR	Siri1 Technologies	Corporate / Industry Association	20-09-2019 00:00:00	25-09-2019 00:00:00	6	Online
14	Mr. T. Sai Krishna Teja	Civil Engineering		Assistant Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	IPR AND TECHNOLOGICAL TRANSFER	IPR	FDP in I&E, IPR	TERA DATA MADHAPUR	Corporate / Industry Association	11-12-2019 00:00:00	24-12-2019 00:00:00	14	Online
15	Ms. J K Sandhya Kiran	Civil Engineering		Associate Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	IPR AND TECHNOLOGICAL TRANSFER	IPR	FDP in I&E, IPR	TERA DATA MADHAPUR	Corporate / Industry Association	11-12-2019 00:00:00	24-12-2019 00:00:00	14	Online
16	Dr. A. Chaitanya Krishna	Electronics and Communication Engineering		Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	IPR AND TECHNOLOGICAL TRANSFER	IPR	FDP in I&E, IPR	TERA DATA MADHAPUR	Corporate / Industry Association	11-12-2019 00:00:00	24-12-2019 00:00:00	14	Online
17	Dr. P. Siva Prasad	Masters in Business Administration		Associate Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	VALUE BASED DECISION MAKING	Entrepreneurship/Startup	EDP in I&E, IPR	SUREGROW FARMS	Corporate / Industry Association	21-11-2019 00:00:00	27-11-2019 00:00:00	7	Online
18	Dr. Nagaraju	Computer Science and Engineering		Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	VALUE BASED DECISION MAKING	Entrepreneurship/Startup	EDP in I&E, IPR	SUREGROW FARMS	Corporate / Industry Association	21-11-2019 00:00:00	27-11-2019 00:00:00	7	Online
19	Dr. D. V. Sreekanth	Mechanical Engineering		Professor		No		Yes	
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	VALUE BASED DECISION MAKING	Entrepreneurship/Startup	EDP in I&E, IPR	SUREGROW FARMS	Corporate / Industry Association	21-11-2019 00:00:00	27-11-2019 00:00:00	7	Online
20	Dr. Dolly Diana	Masters in Business Administration		Professor		No		Yes	



	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	ENTREPRENUERSHIP AND ITS CHALLENGES	Entrepreneurship/Startup	Short term Certificate	AppServe Software Solutions	Corporate / Industry Association	08-08-2019 00:00:00	28-08-2019 00:00:00	21	Online
21	Dr. Venkata Rangaiah	Masters in Business Administration	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	ENTREPRENUERSHIP AND ITS CHALLENGES	Entrepreneurship/Startup	Short term Certificate	AppServe Software Solutions	Corporate / Industry Association	08-08-2019 00:00:00	28-08-2019 00:00:00	21	Online
22	Dr. A. Amarendra Babu	Computer Science and Engineering	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	AN STTP ON DESIGN THINKING AND INNOVATION	Innovation	Short term Certificate	SUREGROW FARMS	Corporate / Industry Association	05-06-2019 00:00:00	25-06-2019 00:00:00	21	Online
23	Mr. S. P. Manikanta	Electronics and Communication Engineering	Associate Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	AN STTP ON DESIGN THINKING AND INNOVATION	Innovation	Short term Certificate	SUREGROW FARMS	Corporate / Industry Association	05-06-2019 00:00:00	25-06-2019 00:00:00	21	Online
24	Dr. P. Santosh Kumar Patra	Computer Science and Engineering	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	ENTREPRENUERSHIP AND ITS CHALLENGES	Entrepreneurship/Startup	Short term Certificate	AppServe Software Solutions	Corporate / Industry Association	08-08-2019 00:00:00	28-08-2019 00:00:00	21	Online
25	Dr. M. Venkat Rao	Information Technology	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	VALUE BASED DECISION MAKING	Entrepreneurship/Startup	EDP in I&E, IPR	SUREGROW FARMS	Corporate / Industry Association	21-11-2019 00:00:00	27-11-2019 00:00:00	7	Online
26	Dr. Poongothai	Information Technology	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	FDP ON IPR AND INNOVATION	IPR, Innovation	FDP in I&E, IPR	AppServe Software Solutions	Corporate / Industry Association	05-06-2019 00:00:00	11-06-2019 00:00:00	7	Online

**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	Power Engineering Club	Innovation Club	2017	Co-working Space	Innovation Labs	1	Dr. N. Ramchandra	hodeee@smec.ac.in	8499849706
2	Agriculture and Resource Club	Innovation Club	2016	Co-working Space	Innovation Labs	1	Dr. N. Ramchandra	hodeee@smec.ac.in	8499849706
3	System Modelling Club	Innovation Club	2018	Work Stations	Innovation Labs	1	Dr. N. Ramchandra	hodeee@smec.ac.in	8499849706
4	Electric Vehicle Engineering Club	Innovation Club	2018	Work Stations	Innovation Labs	1	Dr. N. Ramchandra	hodeee@smec.ac.in	8499849706
5	Robotics Club	Startup Club	2018	Work Stations	Incubation Unit	1	Dr. N. Ramchandra	hodeee@smec.ac.in	8499849706
6	Concrete Canoe Club	Idea Club	2016	Co-working Space	Innovation Labs	1	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
7	Club for a Sustainable Development	Innovation Club	2017	Co-working Space	Innovation Labs	1	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
8	Geotech Club	Idea Club	2016	Work Stations	Incubation Unit	1	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
9	ENVI Protection Club	Innovation Club	2018	Co-working Space	Innovation Labs	2	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
10	Civil Engineering Club for Startups	Startup Club	2018	Work Stations	Innovation Labs	1	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
11	Transportation Club of SMEC	Idea Club	2019	Work Stations	Incubation Unit	1	Mr. T. Sai Krishna Teja	hodcivil@smec.ac.in	7730980098
12	EDC Club	Startup Club	2019	Work Stations	Innovation Labs	1	Dr. Venkata Rangaiah	hodmba@smec.ac.in	9652882100
13	Digital Club	Idea Club	2017	Co-working Space	Innovation Labs	1	Dr. B. Hari Krishna	hodece@smec.ac.in	8499964427
14	Communication Club	Idea Club	2016	Co-working Space	Incubation Unit	1	Dr. B. Harikrishna	hodece@smec.ac.in	8499964427
15	Embedded Club	Startup Club	2018	Work Stations	Innovation Labs	2	Dr. B. Harikrishna	hodece@smec.ac.in	8499964427
16	VLSI Club	Innovation Club	2018	Work Stations	Incubation Unit	2	Dr. B. Harikrishna	hodece@smec.ac.in	8499964427
17	Signal Processing Club	Idea Club	2018	Work Stations	Incubation Unit	1	Dr. B. Harikrishna	hodece@smec.ac.in	8499964427
18	Society of Automotive Engineers	Startup Club	2018	3D Printing	Innovation Labs	1	Dr. D. V. Sreekanth	hodmech@smec.ac.in	9703050004
19	Indian Welding Society	Idea Club	2015	Work Stations	Innovation Labs	1	Dr. D. V. Sreekanth	hodmech@smec.ac.in	9703050004
20	Robotics	Startup Club	2019	Co-working Space	Innovation Labs	1	Dr. D. V. Sreekanth	hodmech@smec.ac.in	9703050004
21	Cyber Security Club	Idea Club	2018	Co-working Space	Innovation Labs	1	Dr. M. Anuradha	hodcse@smec.ac.in	7680953445
22	Web Designing Club	Startup Club	2019	Work Stations	Incubation Unit	2	Dr. M. Anuradha	hodcse@smec.ac.in	7680953445

23	Innovative Club	Innovation Club	2019	Co-working Space	Innovation Labs	2	Dr. M. Anuradha	hodcse@smec.ac.in	7680953445
24	IMAGICA Club	Idea Club	2018	Co-working Space	Innovation Labs	1	Dr. M. Venkat Rao	hodit@smec.ac.in	7989742636
25	HACK Club	Innovation Club	2019	Co-working Space	Innovation Labs	1	Dr. M. Venkat Rao	hodit@smec.ac.in	7989742636
26	AnApp Club	Startup Club	2019	Work Stations	Innovation Labs	1	Dr. M. Venkat Rao	hodit@smec.ac.in	7989742636

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

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?		Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?		
							Facility Incharge Name	Facility Incharge Email			Yes	No			
1	INNOVATION CELL	Innovation Centre	2014	3D Printing & Prototype Equipment	Incubation Unit, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	Incubation Unit, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	Facility Incharge Name	Dr. B. HariKri shna	18	Yes	Yes	Total Annual Income from Training and Skill Development Services (In Rupees)	100000	Yes	
							Facility Incharge Email	hodece@smec.ac.in				Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	100000		
							Facility Incharge Phone	8499964427				Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	90000		
Source of Grant / Fund						Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)				
Funding Agency						PANGEAE TRADE TEAM PVT LTD., HYDERABAD			Corporate / Industry Association		190000				

**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?						
1	CENTER OF EXCELLENCE	2012	Pre-Incubation, Incubation Unit, Innovation Labs, Innovation Park/Research Park, IPR Cell/Technology Transfer Centre, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. A. Anand</td> </tr> <tr> <td>Facility Incharge Email</td> <td>dranan@smec.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9944139279</td> </tr> </table>	Facility Incharge Name	Dr. A. Anand	Facility Incharge Email	dranan@smec.ac.in	Facility Incharge Phone	9944139279	20	Yes	No	No
Facility Incharge Name	Dr. A. Anand														
Facility Incharge Email	dranan@smec.ac.in														
Facility Incharge Phone	9944139279														

**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	MSME INCUBATION CENTER	2019	Pre-Incubation, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	MINISTRY OF MICRO, SMALL AND MEDIUM ENTREPRISES, GOVT. OF INDIA	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. D. V. Sreekanth</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hodmch@sme.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9703050004</td> </tr> </table>	Facility Incharge Name	Dr. D. V. Sreekanth	Facility Incharge Email	hodmch@sme.ac.in	Facility Incharge Phone	9703050004	14	Yes	No	No
Facility Incharge Name	Dr. D. V. Sreekanth														
Facility Incharge Email	hodmch@sme.ac.in														
Facility Incharge Phone	9703050004														

**List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park 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 Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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**List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

1	RESEARCH & DEVELOPMENT CENTER	2006	Pre-Incubation, Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	GREATER HYDERABAD MUNICIPAL COOPERATION, GOVT. OF INDIA	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. D. Raman a Reddy</td> </tr> <tr> <td>Facility Incharge Email</td> <td>drrama najs@ smec.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>91772 00699</td> </tr> </table>	Facility Incharge Name	Dr. D. Raman a Reddy	Facility Incharge Email	drrama najs@ smec.a c.in	Facility Incharge Phone	91772 00699	10	Yes	No	Yes
Facility Incharge Name	Dr. D. Raman a Reddy														
Facility Incharge Email	drrama najs@ smec.a c.in														
Facility Incharge Phone	91772 00699														
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)								

**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?														
1	IPR/PATENT/TECHNOLOGY CENTER	2015	Pre-Incubation, Incubation Unit, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Nagar aju</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hodit@ smec.a c.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99899 79267</td> </tr> </table>	Facility Incharge Name	Dr. Nagar aju	Facility Incharge Email	hodit@ smec.a c.in	Facility Incharge Phone	99899 79267	12	Yes	<table border="1"> <thead> <tr> <th colspan="2">Yes</th> </tr> </thead> <tbody> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>50000</td> </tr> </tbody> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	100000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	100000	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	50000	No
Facility Incharge Name	Dr. Nagar aju																						
Facility Incharge Email	hodit@ smec.a c.in																						
Facility Incharge Phone	99899 79267																						
Yes																							
Total Annual Income from Training and Skill Development Services (In Rupees)	100000																						
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	100000																						
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	50000																						

**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. N. Ramchandra	Professor	Idea/Innovation Development	2

**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)
	H9 Car		Within	
2	Dr. N. Ramchandra	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Mission Agriculture		Within	
3	Dr. M. Venkat Rao	Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Heart Disease Prediction using Machine Learning		Within	
4	Dr. Poongothai	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Bike Sharing System using Probabilistic Forecast through Classification		Within	
5	Mrs. V. Prathima	Assistant Professor	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Providing Security to Cloud Storage by using Dual Server PEKS		Within	
6	Dr. Dolly Diana	Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Human Resource Management at Nagarjuna Fertilizers and chemical ltd.		Within	
7	Dr. Venkata Rangaiah	Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Customer Relationship Management Maruti Suzuki India Ltd.		Within	
8	Dr. P. Siva Prasad	Associate Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Budget & Budgetary control at Tecumseh production India private limited.		Within	
9	Dr. M. Anuradha	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Malware Development for Security Assessment		Within	

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

10	Dr. A. Amarendra Babu	Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Spam Comments Detection for Youtube using Machine Learning		Within	
11	Dr. Nagaraju	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Fake Profiles detection using CNN in Face Book		Within	
12	Dr. D. V. Sreekanth	Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Manufacturing of plastic bricks from regular plastic waste		Within	
13	Mr. Ch. Ranga Rao	Associate Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Battery cycle		Within	
14	Mr. M. Bhojendra Naik	Associate Professor	Idea/Innovation Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart wheel chair with forklift		Within	
15	Dr. Shivamanth	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Stabilization of soil with stone dust and shredded rubber tyre powder		Within	
16	Ms. J K Sandhya Kiran	Associate Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Multi-Objective optimization for nalgonda district crops irrigated from lal bahadur shastri canal using dynamic programming		Within	
17	Mr. T. Sai Krishna Teja	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Study on compression strength of ordinary reinforced concrete using coconut shells with partial replacement of coarse aggregate		Within	
18	Dr. B. HariKrishna	Professor	Idea/Innovation Development	5

**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)
	Smart Car Parking Using IoT		Within	
19	Mr. K. Nishakar	Associate Professor	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Density Based Traffic Control System		Within	
20	Mr. G. Ramesh Reddy	Associate Professor	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Automatic Speed Control & Accidence Avoidance of Vehicles using Multi-Sensors.		Within	
21	Dr. A. Chaitanya Krishna	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Home Automation using IoT		Within	
22	Mr. S. P. Manikanta	Associate Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Women Security Assistance System with GPS		Within	

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area				Type of Mentorship	
1	Suregrow Farms	Entrepreneurship/Startup Development				Unstructured Mentorship	
2	GOURAV ENGINEERS	Entrepreneurship/Startup Development				Unstructured Mentorship	
3	J K INDUSTRIES	Entrepreneurship/Startup Development				Unstructured Mentorship	
4	MONIKA INDUSTRIES	Entrepreneurship/Startup Development				Unstructured Mentorship	
5	Comprehensive Road Maintenance Programme	Entrepreneurship/Startup Development				Unstructured Mentorship	
6	EdGate Technologies, Hyderabad	Idea/Innovation Development				Unstructured Mentorship	
7	COIGN Consultant Pvt. Ltd	Entrepreneurship/Startup Development				Unstructured Mentorship	
8	GHC Apartments Association	Idea/Innovation Development				Unstructured Mentorship	
9	Physitech Electronics	Idea/Innovation Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Mission Agriculture	03-07-2019	02-12-2019	153	1	1	Innovation/Prototype



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

10	Devi Electronics	Entrepreneurship/Startup Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Hybrid Electric Vehicle	02-06-2019	16-12-2019	198	1	1	Innovation/Prototype	
11	Haul Innovation Pvt. Ltd, Road Number 10C, Jubilee Hills, Hyderabad, Telangana	Entrepreneurship/Startup Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Secure file storage and cloud using hybrid cryptog	14-07-2019	30-03-2020	261	1	1	Innovation/Prototype	
12	Apps Associates, Hyderabad	Idea/Innovation Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Design implementation of an open information extra	20-08-2019	29-03-2020	223	1	1	Innovation/Prototype	
13	Tera Data Madhapur, Hyderabad, Telangana.	Entrepreneurship/Startup Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Kiosk for Rural India Agricultural Development	26-06-2019	29-03-2020	278	1	1	Innovation/Prototype	
14	Tecra Systems Pvt. Ltd, Hyderabad.	Idea/Innovation Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Leave Management System	02-07-2019	30-03-2020	273	1	1	Idea	
15	TERA DATA, Hyderabad.	Entrepreneurship/Startup Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Apartment Management System	02-07-2019	30-03-2020	273	1	1	Idea	
16	CYIENT Technologies, Hyderabad	Idea/Innovation Development					Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Online Venue Booking	17-07-2019	30-03-2020	258	1	1	Idea	
17	SK Techsol Engineers, Pvt. Ltd, Hyderabad, Telangana	Idea/Innovation Development					Structured Mentorship	

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

	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
18	Haul Innovation Pvt. Ltd		Idea/Innovation Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Development of Tool for Detection of Application L	11-06-2019	30-03-2020	294	1	1	Idea	
19	Masters Management Consultants India Pvt Ltd		Entrepreneurship/Startup Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Employer Satisfaction	29-11-2019	30-03-2020	123	1	1	Growth Stage Startup	
20	Masters Management Consultants India Pvt Ltd		Entrepreneurship/Startup Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Insurance	24-07-2019	30-03-2020	251	1	1	Growth Stage Startup	
21	Textus Info Solutions Pvt Ltd		Entrepreneurship/Startup Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Textus	09-07-2019	30-03-2020	266	1	1	Growth Stage Startup	

**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
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1	Women Security Assistance System with GPS	Product Innovation	Technological	Electronics and Communication Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	Grant Amount in Rs 20350	No	No						
	Name		Type		Gender		Email		Contact										
	Mr. S. P. Manikanta		Faculty		Male		spmanikantaece@smec.ac.in		7659818222										
	Name		Type		Gender		Email		Contact										
Mr. B. Subhakar		Faculty		Male		bsubhakarece@smec.ac.in		9246333435											
2	Mission Agriculture	Product Innovation, Service Innovation	Technological	Electrical and Electronics Engineering	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>Indian Patents</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (State)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>202041028829</td> </tr> </table>	Agency Name	Indian Patents	Agency Type	Govt. Agency (State)	Award / Position / Recognition Secured	202041028829	No	Grant Amount in Rs 22500	No	No
	Agency Name	Indian Patents																	
	Agency Type	Govt. Agency (State)																	
Award / Position / Recognition Secured	202041028829																		
Name		Type		Gender		Email		Contact											
Dr. N. Ramchandra		Faculty		Male		hodeee@smec.ac.in		8499849706											
Name		Type		Gender		Email		Contact		3									
H9 Car	Product Innovation	Technological	Electrical and Electronics Engineering	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>Indian Patents</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>202041028152</td> </tr> </table>	Agency Name		Indian Patents	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	202041028152	No	Grant Amount in Rs 33000	No	No
Agency Name	Indian Patents																		
Agency Type	Govt. Agency (Central)																		
Award / Position / Recognition Secured	202041028152																		

Name	Type	Gender	Email	Contact
Dr. N. Ramchandra	Faculty and Student	Male	hodeee@smec.ac.in	8499849706

Name	Type	Gender	Email	Contact
Mr. B. Subhakar	Faculty	Male	bsubhakarece@smec.ac.in	9246333435

Smart Car Parking with IOT	Product Innovation	Technological	Electronics and Communication Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	Grant Amount in Rs 25200	No	No
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Name	Type	Gender	Email	Contact
Mr. Venkanna Mood	Faculty	Male	venkannamoodece@smec.ac.in	9951339365

Name	Type	Gender	Email	Contact
Mr. K. Karthik	Faculty	Male	karthikece@smec.ac.in	9705027109

Density based traffic control system	Product Innovation	Technological	Electronics and Communication Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	Grant Amount in Rs 12050	No	No
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Name	Type	Gender	Email	Contact
Mr. K. Nishakar	Faculty	Male	nishakarece@smec.ac.in	9866563737

Name	Type	Gender	Email	Contact
Mr. S. Santosh Reddy	Faculty	Male	santoshece@smec.ac.in	9908271721

Automatic Speed Control and Accident Avoidance	Product Innovation	Technological	Electronics and Communication Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	Grant Amount in Rs 15200	No	No
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Name	Type	Gender	Email	Contact
Mr. G. Ramesh Reddy	Faculty	Male	rameshreddiece@smec.ac.in	9666000249

4

5

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Name		Type		Gender		Email		Contact					
Mr. B. Ravichander		Faculty		Male		ravichanderece@smec.ac.in		9542011102					
Smart Home Automation using IOT	Product Innovation	Technological	Electronics and Communication Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	20200	No	No	
Name		Type		Gender		Email		Contact					
Dr. B. HariKrishna		Faculty		Male		hodece@smec.ac.in		8499964427					
Name		Type		Gender		Email		Contact					
Mr. S. RaviKumar		Faculty		Male		sravikumarece@smec.ac.in		9490024422					
Plastic Pavement Bricks	Product Innovation	Technological	Concrete Canoe Club	Student-Faculty	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	Yes	Yes	30700	Yes	No	
Agency Name	IIT Bombay	Agency Type	Not - Govt. Agencies	Award / Position / Recognition Secured	First Prize								
Name		Type		Gender		Email		Contact					
Mr. T. Sai Krishna Teja		Faculty		Male		hodcivil@smec.ac.in		7730980098					
9	Manufacturing of plastic marble by using waste plastic	Product Innovation	Technological	Concrete Canoe Club	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	25800	No	No

7

8

Name  
Email

Name		Type			Gender		Email			Contact				
Mr. V. Rajesh		Faculty			Male		rajeshce@smec.ac.in			9010134441				
Name		Type			Gender		Email			Contact				
Sai Krishna		Faculty			Male		rajeshce@smec.ac.in			9885384444				
10	SMART WHEEL CHAIR FOR HANDICAPPED	Product Innovation	Technological	ROBOTICS CLUB	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name	NIRDPR	No	Grant Amount in Rs 25080	No	No
								Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	FIRST PRIZE				
Name		Type			Gender		Email			Contact				
Dr. D. V. Sreekanth		Faculty			Male		hodmech@smec.ac.in			9703050004				
Name													11	
SANITARY VENDING MACHINE	Service Innovation	Technological	MECHANICAL ENGINEERING	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name	NIRDPR	No	Grant Amount in Rs 25600	No	No	
								Agency Type	Govt. Agency (Central)					
									Award / Position / Recognition Secured	FIRST PRIZE				
Name		Type			Gender		Email			Contact				
Dr. D. V. Sreekanth		Faculty			Male		hodmech@smec.ac.in			9703050004				
Name	E-mail													

12	MANUFACTURING OF PLASTIC BRICKS FROM REGULAR PLASTIC WASTE	Product Innovation	Technological	ABDUL KALAM INCUBATION CENTER	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	Agency Name	NIRDPR	No	20500	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	THIRD POSITION				

Name	Type	Gender	Email	Contact
Mr. M. Bhojendra Naik	Faculty	Male	bhojnaikme@smec.ac.in	7799336279

13	SMART BIKE	Product Innovation	Technological	MECHANICAL ENGINEERING	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name	J D FOUNDATION	No	30700	No	No
									Agency Type	Corporate / Industry Association				
									Award / Position / Recognition Secured	FIRST POSITION				

Name	Type	Gender	Email	Contact
Mr. R. SuvarnaBabu	Faculty	Male	rsuvarnababume@smec.ac.in	9705518260

14	LOW COST BATTERY CYCLE	Product Innovation	Technological	MECHANICAL ENGINEERING	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name	NIRDPR	No	10500	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	FIRST PRIZE				

Name		Type		Gender		Email		Contact	
CH. RANGA RAO		Faculty		Male		ch.rangarao@smec.ac.in		9441390504	

Name		Type		Gender		Email		Contact					
Leave Management System	Service Innovation	Technological	Computer Science and Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 10700	No	No	15

Name		Type		Gender		Email		Contact	
Dr. M. Anuradha		Faculty		Female		dranuradhacse@smec.ac.in		7680953445	

16	Apartment Management System	Service Innovation	Technological	Computer Science and Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 15000	No	No

Name		Type		Gender		Email		Contact	
Dr. N. Satheesh		Faculty		Male		drsatheeshcse@smec.ac.in		9344278825	

Name		Type		Gender		Email		Contact					
Online Venue Booking	Service Innovation	Technological	Computer Science and Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 12050	No	No	17

Name		Type		Gender		Email		Contact	
Dr. P. K. A Chitra		Faculty		Female		drchitracse@smec.ac.in		9965508527	



18	Kiosk foe Rural India Agricultural Development	Product Innovation,Service Innovation	Technological	Computer Science and Engineering	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimen tal proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimen tal proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs 35000	No	No
Name		Type			Gender		Email			Contact			
Dr.P.K.A. Chitra		Faculty			Female		drchitracse@smec.ac.in			965508527			

ELLIPTICAL BICYCLE	Product Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name	Osmania University	No	Grant Amount in Rs 25050	No	No
								Agency Type	Educational Institute				
								Award / Position / Recognition Secured	Second Position				
								Name					
Balaji D Tandle		Faculty			Male		balajime@smec.ac.in			7416308575			

Name		Type			Gender		Email			Contact		Name	Email
Balaji D Tandle		Faculty			Male		balajime@smec.ac.in			7416308575			

20	METALLIC 3D PRINTER	Product Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name	Malla Reddy College of Engineering	No	Grant Amount in Rs 35080	No	No
										Agency Type	Educational Institute			
										Award / Position / Recognition Secured	First Prize			

Name	Type	Gender	Email	Contact
Dr. D. V. Sreekanth	Faculty	Male	hodmech@smec.ac.in	9703050004

Name	Type	Gender	Email	Contact	21							
ABRASI VE JET MACHINING	Product Innovation	Technological	Mechanical Engineering	Student-Faculty		TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	No	No	Grant Amount in Rs 324000	No

Name	Type	Gender	Email	Contact	Name	Email
Dr. D. V. Sreekanth	Faculty	Male	hodmech@smec.ac.in	9703050004		

22	SOLAR POWERED AUTOMATIC SEED SOWING MACHINE	Product Innovation,Service Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	NIRDPR	Yes	Grant Amount in Rs 45070	Yes	No
									Agency Type	Govt. Agency (Central)				
Name		Type		Gender		Email		Contact						
R. Hanuma Naik		Faculty		Male		hanumanaim@smec.ac.in		9494690094						

Name	Type	Gender	Email	Contact	23
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PESTICIDE SPRINKLING SPRAYER BY USING SOLAR POWER	Service Innovation	Technological	Mechanical Engineering	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Completed	Agency Name KALAM INNOVATION FESTIVAL	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured FIRST POSITION	No	Grant Amount in Rs 35080	No	No
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Name	Type	Gender	Email	Contact	Name	Email
Y. Chandrasekar Yadav	Faculty	Male	chandrasekharme@smec.ac.in	9866596651		

24	AQUADRUM	Product Innovation	Technological	ELECTRONICS AND COMMUNICATION ENGINEERING	Student-Faculty	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	No	Yes	Grant Amount in Rs 40500	Yes	Amount Received in Rs. 315000
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Name	Type	Gender	Email	Contact
Dr. B. HariKrishna	Faculty	Male	hodece@smec.ac.in	8499964427

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/V C during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
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1	RIVER BEND DATA SOLUTIONS	Service Innovation	Technologica	354	Student	<div style="background-color: #002060; color: white; padding: 5px;">           U72900            TG2020            PTC139            769         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 10px;">           Venture with Corporate Identification Number (CIN) Registration         </div>	2019-20	Received Incubation Support from Incubation Unit	<div style="background-color: #002060; color: white; padding: 5px;">           Agency Name         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           International Agency Type         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           Award / Position / Recognition Secured         </div>	<div style="background-color: #002060; color: white; padding: 5px;">           George Mason University         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           Grant Amount in Rs         </div>	<div style="background-color: #002060; color: white; padding: 5px;">           255000         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           Loan/Investment Agency Name         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           Agency Type         </div>	<div style="background-color: #002060; color: white; padding: 5px;">           George Mason University         </div> <div style="background-color: #002060; color: white; padding: 5px; margin-top: 5px;">           Amount Received in Rs.         </div>	52520	Yes
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Total Loan /Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/ incubation support at your Pre-incubation/ incubation or institute financial period 2019 -20 (in Rupees)

Goerge Mason University

Date of Investment Raised

Goerge Mason University

Name	DIN number	Type	Gender	Email	Contact
JOHN WESLEY	08722524	Student	Male	riverbend.datasolutions@gmail.com	8106066708
MOHAN BABU	08722524	Student	Male	riverbend.datasolutions@gmail.com	9963716467

2	SYMSIN PVT. LTD.	Product Innovation	Technologica	205	Student	Venture with Corporate Identification Number (CIN) Registration	U74999 TG2020 PTC144 102	2019-20	Received Incubation Support from Incubation Unit	No	Grant Amount in Rs	10 20 00	No	No	No
Name		DIN number		Type	Gender		Email		Contact						
P BHARATH CHANDRA REDDY		08887488		Student	Male		bharathreddy478@gmail.com		7386850467						
-		-		Student	-		-		-						

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	DEVI ELECTRONICS	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	14-03-2019
2	Cognidots Solutions LLP	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	1	18-12-2019
3	RPG Foundation (Zensar)	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	1	30-08-2019
4	Mind Brewers	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	1	12-07-2019
5	University of East London, London	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	08-09-2019
6	University of Central Lancashire, England	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	08-09-2019
7	University of Buckingham, United Kingdom	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	1	08-09-2019
8	Suregrow Farms	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Incubation,Mentoring	1	29-01-2020
9	GLOBAL TECHNOLOGY	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Incubation	1	13-02-2020
10	GLOBAL TREE	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	1	27-09-2019

### 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?
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1	LEARN & SPEAK ENGLISH	IPRFiledPublished	L-99501/2021	National	2020 - 02	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
2	ENGINEERING CHEMISTRY	IPRFiledPublished	19939/2020-CO	National	2020 - 02	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
3	ENVIRONMENTAL SCIENCE	IPRFiledPublished	12742/2020-CO	National	2020 - 02	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
4	ENGINEERING PHYSICS	IPRFiledPublished	12722/2020-CO	National	2020 - 02	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
5	ENGINEERING GRAPHICS	IPRFiledPublished	12706/2020-CO	National	2020 - 02	Uploaded	Filed	Yes
	Department/Centre Name							
	Mech- AVISHKAR Research a							
6	APPLIED PHYSICS	IPRFiledPublished	19953/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
7	Programming for Problem Solving in C	IPRFiledPublished	12564/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
	CSE- Innovations in infor							
8	LINEAR ALGEBRA & CALCULUS	IPRFiledPublished	12565/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							
9	PROFESSIONAL ENGLISH	IPRFiledPublished	12710/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							



10	BASIC ELECTRICAL ENGINEERING	IPRFiledPublished	12566/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
EEE -Ohms Research Unit P								
11	ADVANCED CALCULUS FOR ENGINEERS	IPRFiledPublished	12709/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
Internal Quality Assuranc								
12	ENGINEERING MECHANICS	IPRFiledPublished	12741/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
Mech- AVISHKAR Research a								
13	ENGINEERING WORKSHOP	IPRFiledPublished	12743/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
Mech- AVISHKAR Research a								
14	Programming for Problem Solving Laboratory	IPRFiledPublished	12773/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
CSE- Innovations in infor								
15	Engineering Physics laboratory	IPRFiledPublished	12799/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
Internal Quality Assuranc								
16	Basic Electrical Engineering Laboratory	IPRFiledPublished	12777/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
EEE -Ohms Research Unit P								
17	Engineering Chemistry Laboratory	IPRFiledPublished	20734/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
Internal Quality Assuranc								
18	Applied Physics Laboratory	IPRFiledPublished	19955/2020-CO	National	2020 - 03	Uploaded	Filed	Yes

	Department/Centre Name							
	Internal Quality Assuranc							
19	English Language and Communication Skills Laboratory	IPRFiledPublished	12798/2020-CO	National	2020 - 03	Uploaded	Filed	Yes
	Department/Centre Name							
	Internal Quality Assuranc							

### 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	A System and Method of Biometric Identification based on Distributed IOT Lock and Unlocking Thereof	201941028900A	National	2019 - 08	NA
	2	Internet of Things and Intelligence Environmental Management and Smart Agriculture System	201941029357	National	2019 - 08
NA		3	A System and Method of Planting and Breeding based on IOT with Loud Service and Service Flow Method in Agriculture	201911045633A	National
2019 - 11	NA		4	EM-Mobile AD-HOC Network: Enhanced Mobile AD-HOC Networks (MANETS)	202011018102
National	2020 - 03	NA		5	Modulation Method for FSO System under Influence of Different Atmospeheric and FOG Conditions
202041004488	National	2020 - 02	NA		6
Efficient Horizontal TO and FRO system for Paraplegic Patient based on Electrical Stimulation	202041007603	National	2020 - 02	NA	
7	IOT Based System : IOT - based system for Agriculture Environment Control	202041015018	National	2020 - 03	NA
	8	IOT Based System : IOT - based system for Agriculture Environment Control	202041015018	National	2020 - 03
NA		9	Design and Fabrication of Electric Smart bike with Voice Recognition	202041018099	National
2020 - 03	NA		10	Portable air conditioner for vehicle	201941035581
National	2019 - 09	NA		11	Portable air conditioner for vehicle
201941035581	National	2019 - 09	NA		12
Development of semi automatic Abrasive Jet Machine by using CNC programming	202041017544	National	2020 - 03	NA	

13	Development of semi automatic Abrasive Jet Machine by using CNC programming	202041017544	National	2020 - 03	NA
	14	Development of semi automatic Abrasive Jet Machine by using CNC programming	202041017544	National	2020 - 03
NA		15	Development of semi automatic Abrasive Jet Machine by using CNC programming	202041017544	National
2020 - 03	NA		16	Development of semi automatic Abrasive Jet Machine by using CNC programming	202041017544
National	2020 - 03	NA		17	Design and fabrication of Electric smart Bike with voice recognition
202041018099	National	2020 - 03	NA		18
Design and fabrication of Electric smart Bike with voice recognition	202041018099	National	2020 - 03	NA	
19	Design and fabrication of Electric smart Bike with voice recognition	202041018099	National	2020 - 03	NA
	20	Design and fabrication of Electric smart Bike with voice recognition	202041018099	National	2020 - 03
NA		21	IWS- Device: Intelligent Woman Safety Device using AI Programming	202041000359	National
2020 - 01	NA		22	Blood Glucose Level Detection: Notification Blood Glucose Level Using Infrared Signal	202041001994
National	2020 - 01	NA		23	IW-SYSTEM: Inbuilt washing system in 2 wheeler
201941045408	National	2019 - 11	NA		24
Intelligent way to provide IOT based patient monitoring system using beaglebone kit	201941036942	National	2019 - 09	NA	
25	FA-ATM: Fingerprint and pin authentication to enhance security at the automatic teller machines	201941044372	National	2019 - 11	NA
	26	AIB-BOTTLE: AI based water filter bottle	201941035054	National	2019 - 09
NA		27	Method of Machine learning based cluster analysis for large categorical data	201941042954	National
2019 - 10	NA		28	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	201941040094
National	2019 - 10	NA		29	A System and Method of Biometric Identification Based on Distributed Internet-of-Things Lock and Unlocking Thereof
201941028900	National	2019 - 08	NA		30

Internet of Things and Intelligence Environmental Management and Smart Agriculture System	201941029357	National	2019 - 08	NA	
31	Quantum Cryptography Based Method For Security And Privacy In Mobile Cloud Computing	201941041198	National	2019 - 10	NA
	32	Method of Machine learning based cluster analysis for large categorical data	201941042954	National	2019 - 10
NA		33	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	201941040094	National
2019 - 10	NA		34	A System and Method of Biometric Identification Based on Distributed Internet-of-Things Lock and Unlocking Thereof	201941028900
National	2019 - 08	NA		35	Quantum Cryptography Based Method For Security And Privacy In Mobile Cloud Computing
201941041198	National	2019 - 10	NA		36
Method of Machine learning based cluster analysis for large categorical data	201941042954	National	2019 - 10	NA	
37	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	201941040094	National	2019 - 10	NA
	38	Internet of Things and Intelligence Environmental Management and Smart Agriculture System	201941029357	National	2019 - 08
NA		39	Method for secure communication using ASCII based cryptography	201941054508	National
2020 - 01	NA		40	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	201941040094
National	2019 - 10	NA		41	Method For Cyber Security Intrusion Detection using Machine Learning
202041001556	National	2020 - 01	NA		42
Method for secure communication using ASCII based cryptography	201941054508	National	2020 - 01	NA	
43	Method For Cyber Security Intrusion Detection using Machine Learning	202041001556	National	2020 - 01	NA
	44	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	201941040094	National	2019 - 10
NA		45	Method for secure communication using ASCII based cryptography	201941054508	National

2020 - 01	NA		46	Intelligent methods for detecting coronavirus using RNA and share the location using IOT	202041015044
National	2020 - 03	NA		47	Intelligent methods for detecting coronavirus using RNA and share the location using IOT
202041015044	National	2020 - 03	NA		48
AI- voting system: Aadhaar based online intelligent voting system	201941050605	National	2019 - 12	NA	
49	Method of machine learning based cluster analysis for large categorical data	201941042954	National	2019 - 10	NA
	50	Machine learning based computer implemented method for prediction of Artificial oil lift failure	201941040094	National	2019 - 10
NA		51	IH-booking: Intelligent hotel booking using machine learning	201941035448	National
2019 - 09	NA		52	An apparatus and method for remotely monitoring an aquatic animal And classification thereof	201941034109
National	2019 - 08	NA		53	Portable Air Conditioner for Vehicles
201941035581	National	2019 - 10	NA		54
Internet of Things and Intelligence Environmental Management and Smart Agriculture System	201941029357	National	2019 - 07	NA	

### List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	AI- VOTING SYSTEM: AADHAAR BASED ONLINE INTELLIGENT VOTING SYSTEM	PatentsHoldByInnovations	201941050605	Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name
	Dr. S.V.Achuta Rao		Incubatee Innovator		Dr. S.V.Achuta Rao
2	METHOD OF MACHINE LEARNING BASED CLUSTER ANALYSIS FOR LARGE CATEGORICAL DATA	PatentsHoldByInnovations	201941042954	Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name
	Dr. S.V.Achuta Rao		Incubatee Innovator		Dr. S.V.Achuta Rao
3	MACHINE LEARNING BASED COMPUTER IMPLEMENTED METHOD FOR PREDICTION OF ARTIFICIAL OIL LIFT FAILURE	PatentsHoldByInnovations	201941040094	Published	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name
	Dr. S.V.Achuta Rao		Incubatee Innovator		Dr. S.V.Achuta Rao

	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. S.V.Achuta Rao		Incubatee Innovator	Dr. S.V.Achuta Rao	
4	IH-BOOKING: INTELLIGENT HOTEL BOOKING USING MACHINE LEARNING	PatentsHoldByInnovations	201941035448	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. S.V.Achuta Rao		Incubatee Innovator	Dr. S.V.Achuta Rao	
5	An Apparatus and Method for Remotely Monitoring an Aquatic Animal and Classification Thereof	PatentsHoldByInnovations	201941034109	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. R. Nagaraju		Incubatee Innovator	Dr. R. Nagaraju	
6	Portable air conditioner for vehicle	PatentsHoldByInnovations	201941035581	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	B Srinivasalu		Incubatee Innovator	B Srinivasalu	
7	Portable air conditioner for vehicle	PatentsHoldByInnovations	201941035581	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	M.Sreenuraju		Incubatee Innovator	M.Sreenuraju	
8	Development of semi automatic Abrasive Jet Machine by using CNC programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. D. V. Sreekanth		Incubatee Innovator	Dr. D. V. Sreekanth	
9	Development of semi automatic Abrasive Jet Machine by using CNC programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. Saurav Das		Incubatee Innovator	Dr. Saurav Das	
10	Development of semi automatic Abrasive Jet Machine by using CNC programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Chundru Ranga Rao		Incubatee Innovator	Chundru Ranga Rao	
11	Development of semi automatic Abrasive Jet Machine by using CNC programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	T. Paramesh		Incubatee Innovator	T. Paramesh	

12	Development of semi automatic Abrasive Jet Machine by using CNC programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	M. Bhojendra Naik		Incubatee Innovator	M. Bhojendra Naik	
13	Design and fabrication of Electric smart Bike with voice recognition	PatentsHoldByInnovations	202041018099	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. D. V. Sreekanth		Incubatee Innovator	Dr. D. V. Sreekanth	
14	Design and fabrication of Electric smart Bike with voice recognition	PatentsHoldByInnovations	202041018099	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Chundru Ranga Rao		Incubatee Innovator	Chundru Ranga Rao	
15	Design and fabrication of Electric smart Bike with voice recognition	PatentsHoldByInnovations	202041018099	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	T. Paramesh		Incubatee Innovator	T. Paramesh	
16	Design and fabrication of Electric smart Bike with voice recognition	PatentsHoldByInnovations	202041018099	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. B. Srinivasulu		Incubatee Innovator	Dr. B. Srinivasulu	
17	Development of Semi Automatic Abrasive Jet Machine By Using CNC Programming	PatentsHoldByInnovations	202041017544	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Santosh Kumar Patra		Incubatee Innovator	Dr. P. Santosh Kumar Patr	
18	Design and Fabrication of Electric Smarty Bike with Voice Recognition	PatentsHoldByInnovations	202041018099	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Santosh Kumar Patra		Incubatee Innovator	Dr. P. Santosh Kumar Patr	
19	IWS- Device: Intelligent Woman Safety Device using AI Programming	PatentsHoldByInnovations	202041000359	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Santosh Kumar Patra		Incubatee Innovator	Dr. P. Santosh Kumar Patr	
20	INTELLIGENT METHODS FOR DETECTING CORONAVIRUS USING RNA AND SHARE THE LOCATION USING IOT	PatentsHoldByInnovations	202041015044	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	

	Applicant Name	Applicant Type	Start-up/Innovator Name
	Dr. Regonda Nagaraju	Incubatee Innovator	Dr. Regonda Nagaraju
21	INTELLIGENT METHODS FOR DETECTING CORONAVIRUS USING RNA AND SHARE THE LOCATION USING IOT	PatentsHoldByInnovations	202041015044
	Dr. S.V.Achuta Rao	Incubatee Innovator	Dr. S.V.Achuta Rao
22	Blood Glucose Level Detection: Notification Blood Glucose Level Using Infrared Signal	PatentsHoldByInnovations	202041001994
	Dr. P. Santosh Kumar Patra	Incubatee Innovator	Dr. P. Santosh Kumar Patr
23	IW-SYSTEM: Inbuilt washing system in 2 wheeler	PatentsHoldByInnovations	201941045408
	Dr. P. Santosh Kumar Patra	Incubatee Innovator	Dr. P. Santosh Kumar Patr
24	Intelligent way to provide IOT based patient monitoring system using beaglebone kit	PatentsHoldByInnovations	201941036942
	Dr. P. Santosh Kumar Patra	Incubatee Innovator	Dr. P. Santosh Kumar Patr
25	FA-ATM: Fingerprint and pin authentication to enhance security at the automatic teller machines	PatentsHoldByInnovations	201941044372
	Dr. P. Santosh Kumar Patra	Incubatee Innovator	Dr. P. Santosh Kumar Patr
26	AEC-IOT Based System: IOT- Based System for Agriculture Environment Control	PatentsHoldByInnovations	202041015018
	Dr P K A Chitra	Incubatee Innovator	Dr P K A Chitra
27	AIB-BOTTLE: AI based water filter bottle	PatentsHoldByInnovations	201941035054
	Dr. P. Santosh Kumar Patra	Incubatee Innovator	Dr. P. Santosh Kumar Patr
28	Method of Machine learning based cluster analysis for large categorical data	PatentsHoldByInnovations	201941042954



	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Santosh Kumar Patra		Incubatee Innovator	Dr. P. Santosh Kumar Patr	
29	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	PatentsHoldByInnovations	201941040094	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Udayakumar		Incubatee Innovator	Dr. P. Udayakumar	
30	A System and Method of Biometric Identification Based on Distributed Internet-of- Things Lock and Unlocking Thereof	PatentsHoldByInnovations	201941028900	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. Satheesh		Incubatee Innovator	Dr. Satheesh	
31	Internet of Things and Intelligence Environmental Management and Smart Agriculture System	PatentsHoldByInnovations	201941029357	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. Satheesh		Incubatee Innovator	Dr. Satheesh	
32	Quantum Cryptography Based Method For Security And Privacy In Mobile Cloud Computing	PatentsHoldByInnovations	201941041198	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. N. Satheesh		Incubatee Innovator	Dr. N. Satheesh	
33	Method of Machine learning based cluster analysis for large categorical data	PatentsHoldByInnovations	201941042954	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Mr. C. Yosepu		Incubatee Innovator	Mr. C. Yosepu	
34	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	PatentsHoldByInnovations	201941040094	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. K. A. Chitra		Incubatee Innovator	Dr. P. K. A. Chitra	
35	A System and Method of Biometric Identification Based on Distributed Internet-of- Things Lock and Unlocking Thereof	PatentsHoldByInnovations	201941028900	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. K. A. Chitra		Incubatee Innovator	Dr. P. K. A. Chitra	
36	Quantum Cryptography Based Method For Security And Privacy In Mobile Cloud Computing	PatentsHoldByInnovations	201941041198	Published	Uploaded

	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Mr Naresh Kumar Kar		Incubatee Innovator	Mr Naresh Kumar Kar	
37	Method of Machine learning based cluster analysis for large categorical data	PatentsHoldByInnovations	201941042954	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Mr.N.Krishnavardhan		Incubatee Innovator	Mr.N.Krishnavardhan	
38	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	PatentsHoldByInnovations	201941040094	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. Meka Anuradha		Incubatee Innovator	Dr. Meka Anuradha	
39	Method for secure communication using ASCII based cryptography	PatentsHoldByInnovations	201941054508	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. N. Satheesh		Incubatee Innovator	Dr. N. Satheesh	
40	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	PatentsHoldByInnovations	201941040094	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Ms.Megha Seth		Incubatee Innovator	Ms.Megha Seth	
41	Method For Cyber Security Intrusion Detection using Machine Learning	PatentsHoldByInnovations	202041001556	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	R.V. Sudhakar		Incubatee Innovator	R.V. Sudhakar	
42	Method for secure communication using ASCII based cryptography	PatentsHoldByInnovations	201941054508	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. P. Udayakumar		Incubatee Innovator	Dr. P. Udayakumar	
43	Method For Cyber Security Intrusion Detection using Machine Learning	PatentsHoldByInnovations	202041001556	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	R. Muruganandam		Incubatee Innovator	R. Muruganandam	
44	Machine Learning based computer Implemented Method for Prediction of Artificial oil lift failure	PatentsHoldByInnovations	201941040094	Published	Uploaded

	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Mr.Suyash Agrawal	Incubatee Innovator	Mr.Suyash Agrawal		
45	Method for secure communication using ASCII based cryptography	PatentsHoldByInnovations	201941054508	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. Kalaiselvan	Incubatee Innovator	Dr. Kalaiselvan		
46	Portable Air Conditioner for Vehicles	PatentsHoldByInnovations	201941035581	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	T. Sai Krishna Teja	Incubatee Innovator	T. Sai Krishna Teja		
47	A System and Method of Biometric Identification based on Distributed IOT Lock and Unlocking Thereof	PatentsHoldByInnovations	201941028900	Published	NA
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. G. Sridhar	Incubatee Innovator	Dr. G. Sridhar		
48	Internet of Things and Intelligence Environmental Management and Smart Agriculture System	PatentsHoldByInnovations	201941029357	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. G. Sridhar	Incubatee Innovator	Dr. G. Sridhar		
49	A System and Method of Planting and Breeding based on IOT with Loud Service and Service Flow Method in Agriculture	PatentsHoldByInnovations	201911045633A	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. G. Sridhar	Incubatee Innovator	Dr. G. Sridhar		
50	EM-Mobile AD-HOC Network: Enhanced Mobile AD-HOC Networks (MANETS)	PatentsHoldByInnovations	202011018102	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. G. Sridhar	Incubatee Innovator	Dr. G. Sridhar		
51	Internet of Things and Intelligence Environmental Management and Smart Agriculture System	PatentsHoldByInnovations	201941029357	Published	Uploaded
	<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>		
	Dr. C. Elavarasi	Incubatee Innovator	Dr. C. Elavarasi		
52	Modulation Method for FSO System under Influence of Different Atmospheric and FOG Conditions	PatentsHoldByInnovations	202041004488	Published	Uploaded

	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr.SK Singh		Incubatee Innovator	Dr.SK Singh	
53	Efficient Horizontal TO and FRO system for Paraplegic Patient based on Electrical Stimulation	PatentsHoldByInnovations	202041007603	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr.SK Singh		Incubatee Innovator	Dr.SK Singh	
54	IOT Based System : IOT - based system for Agriculture Environment Control	PatentsHoldByInnovations	202041015018	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr.SK Singh		Incubatee Innovator	Dr.SK Singh	

### List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder	Centre / Department of Origin of Licence	Licence Transferred to	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)																		
1	Intelligent Printing System to Remove Text on Paper and Re-use Paper	IP/Patented Technology	Licensing with Royalty Sharing	20182105143	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										

**List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

2	Accept the Biometric Input and Complete all Banking Process	IP/Patented Technology	Licensing with Royalty Sharing	201821025145	<table border="1"> <tbody> <tr> <td data-bbox="920 108 1077 236">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1077 108 1205 236">Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td data-bbox="920 236 1077 320">Contact number of license holder</td> <td data-bbox="1077 236 1205 320">9000444578</td> </tr> <tr> <td data-bbox="920 320 1077 384">Email of Licence holder</td> <td data-bbox="1077 320 1205 384">drpskpatra@gmail.com</td> </tr> <tr> <td data-bbox="920 384 1077 742">Gender</td> <td data-bbox="1077 384 1205 742">Male</td> </tr> </tbody> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tbody> <tr> <td data-bbox="1413 108 1570 193">Licence Transferred to</td> <td data-bbox="1570 108 1697 193">Other organisation /Agency</td> </tr> <tr> <td data-bbox="1413 193 1570 336">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1570 193 1697 336">Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td data-bbox="1413 336 1570 592">Address of Agency</td> <td data-bbox="1570 336 1697 592">14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td data-bbox="1413 592 1570 676">Contact Number of Agency</td> <td data-bbox="1570 592 1697 676">9760835046</td> </tr> <tr> <td data-bbox="1413 676 1570 742">Email of Agency</td> <td data-bbox="1570 676 1697 742">gauravgiri06@gmail.com</td> </tr> </tbody> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Email of Licence holder	drpskpatra@gmail.com																										
Gender	Male																										
Licence Transferred to	Other organisation /Agency																										
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										
3	IGC-SYSTEM: Intelligent Garbage Collection System	IP/Patented Technology	Licensing with Royalty Sharing	201821029064	<table border="1"> <tbody> <tr> <td data-bbox="920 751 1077 879">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1077 751 1205 879">Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td data-bbox="920 879 1077 963">Contact number of license holder</td> <td data-bbox="1077 879 1205 963">9000444578</td> </tr> <tr> <td data-bbox="920 963 1077 1027">Email of Licence holder</td> <td data-bbox="1077 963 1205 1027">drpskpatra@gmail.com</td> </tr> <tr> <td data-bbox="920 1027 1077 1385">Gender</td> <td data-bbox="1077 1027 1205 1385">Male</td> </tr> </tbody> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tbody> <tr> <td data-bbox="1413 751 1570 836">Licence Transferred to</td> <td data-bbox="1570 751 1697 836">Other organisation /Agency</td> </tr> <tr> <td data-bbox="1413 836 1570 979">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1570 836 1697 979">Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td data-bbox="1413 979 1570 1235">Address of Agency</td> <td data-bbox="1570 979 1697 1235">14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td data-bbox="1413 1235 1570 1319">Contact Number of Agency</td> <td data-bbox="1570 1235 1697 1319">9760835046</td> </tr> <tr> <td data-bbox="1413 1319 1570 1385">Email of Agency</td> <td data-bbox="1570 1319 1697 1385">gauravgiri06@gmail.com</td> </tr> </tbody> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra																										
Contact number of license holder	9000444578																										
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										

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4	IBA SYSTEM - Biometric Authentication System User Can Transfer the Amount to Registered Account Number	IP/Patented Technology	Licensing with Royalty Sharing	201821029061	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Email of Licence holder	drpskpatra@gmail.com																										
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Licence Transferred to	Other organisation /Agency																										
Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited																										
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										
5	IOT- TRAFFIC SYSTEM : IOT Based Intelligent Traffic, Transport Management System	IP/Patented Technology	Licensing with Royalty Sharing	201941004416	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Email of Agency	gauravgiri06@gmail.com																										

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6	Intelligent Mobile Phone Protective Case with Solar Charger Thin Battery	IP/Patented Technology	Licensing with Royalty Sharing	201921016540	<table border="1"> <tbody> <tr> <td data-bbox="925 98 1077 236">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1077 98 1198 236">Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td data-bbox="925 236 1077 320">Contact number of license holder</td> <td data-bbox="1077 236 1198 320">9000444578</td> </tr> <tr> <td data-bbox="925 320 1077 384">Email of Licence holder</td> <td data-bbox="1077 320 1198 384">drpskpatra@gmail.com</td> </tr> <tr> <td data-bbox="925 384 1077 746">Gender</td> <td data-bbox="1077 384 1198 746">Male</td> </tr> </tbody> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tbody> <tr> <td data-bbox="1417 98 1570 199">Licence Transferred to</td> <td data-bbox="1570 98 1691 199">Other organisation /Agency</td> </tr> <tr> <td data-bbox="1417 199 1570 336">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1570 199 1691 336">Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td data-bbox="1417 336 1570 592">Address of Agency</td> <td data-bbox="1570 336 1691 592">14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td data-bbox="1417 592 1570 676">Contact Number of Agency</td> <td data-bbox="1570 592 1691 676">9760835046</td> </tr> <tr> <td data-bbox="1417 676 1570 746">Email of Agency</td> <td data-bbox="1570 676 1691 746">gauravgiri06@gmail.com</td> </tr> </tbody> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										
7	Intelligent Memory Mouse	IP/Patented Technology	Licensing with Royalty Sharing	201941016573	<table border="1"> <tbody> <tr> <td data-bbox="925 746 1077 884">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1077 746 1198 884">Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td data-bbox="925 884 1077 968">Contact number of license holder</td> <td data-bbox="1077 884 1198 968">9000444578</td> </tr> <tr> <td data-bbox="925 968 1077 1032">Email of Licence holder</td> <td data-bbox="1077 968 1198 1032">drpskpatra@gmail.com</td> </tr> <tr> <td data-bbox="925 1032 1077 1398">Gender</td> <td data-bbox="1077 1032 1198 1398">Male</td> </tr> </tbody> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tbody> <tr> <td data-bbox="1417 746 1570 847">Licence Transferred to</td> <td data-bbox="1570 746 1691 847">Other organisation /Agency</td> </tr> <tr> <td data-bbox="1417 847 1570 984">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1570 847 1691 984">Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td data-bbox="1417 984 1570 1240">Address of Agency</td> <td data-bbox="1570 984 1691 1240">14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td data-bbox="1417 1240 1570 1324">Contact Number of Agency</td> <td data-bbox="1570 1240 1691 1324">9760835046</td> </tr> <tr> <td data-bbox="1417 1324 1570 1398">Email of Agency</td> <td data-bbox="1570 1324 1691 1398">gauravgiri06@gmail.com</td> </tr> </tbody> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra																										
Contact number of license holder	9000444578																										
Email of Licence holder	drpskpatra@gmail.com																										
Gender	Male																										
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Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091																										
Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										

**List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

8	AIB BOTTLE : AI Based Water Filter Bottle	IP/Patented Technology	Licensing with Royalty Sharing	201941035054	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										
9	IOT Based Patient Monitoring System Using Beaglebone Black Wireless	IP/Patented Technology	Licensing with Royalty Sharing	201941036942	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										



**List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

10	FA-ATM : Fingerprint & PIN Authentication to Enhance Security at Automatic Teller Machines	IP/Patented Technology	Licensing with Royalty Sharing	201941044372	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Contact Number of Agency	9760835046																										
Email of Agency	gauravgiri06@gmail.com																										
11	IW System : Inbuilt Washing System in 2-Wheeler	IP/Patented Technology	Licensing with Royalty Sharing	201941045408	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr. P. Santosh Kumar Patra</td> </tr> <tr> <td>Contact number of license holder</td> <td>9000444578</td> </tr> <tr> <td>Email of Licence holder</td> <td>drpskpatra@gmail.com</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr. P. Santosh Kumar Patra	Contact number of license holder	9000444578	Email of Licence holder	drpskpatra@gmail.com	Gender	Male	Computer Science and Engineering	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Other organisation /Agency</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>Fidelis Consulting Engineers Private Limited</td> </tr> <tr> <td>Address of Agency</td> <td>14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9760835046</td> </tr> <tr> <td>Email of Agency</td> <td>gauravgiri06@gmail.com</td> </tr> </table>	Licence Transferred to	Other organisation /Agency	Name of Industry/Start-up/Agency Received License/Technology	Fidelis Consulting Engineers Private Limited	Address of Agency	14 - D, Pocket B, Mayur Vihar Phase -2 Opp Vardhman Plaza Shoppi, G Complex, New Delhi, Delhi 110091	Contact Number of Agency	9760835046	Email of Agency	gauravgiri06@gmail.com	No	---
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Email of Agency	gauravgiri06@gmail.com																										

## Declaration

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

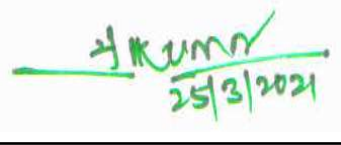
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. P. Santosh Kumar Patra (Head of Institute) and Dr. N.Ramchandra (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

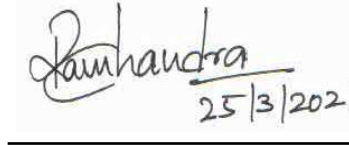
The Head of Institute



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Dr. P. Santosh Kumar Patra  
Head of the Institution,  
SECUNDERABAD , Telangana

Nodal officer



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Dr. N.Ramchandra  
Nodal Officer,  
SECUNDERABAD , Telangana