



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

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

Institute Name: Sengunthar Engineering College [ARI-C-36966]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	SEC MSME HI BI	Incubation Unit	ADAIES	UG / PG / PhD	Both	946	125	36
2	Mechanical Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Design	UG / PG / PhD	Both	167	14	2
3	Computer Science and Engineering	Academic Department with lab facility	Cyber Security	UG / PG / PhD	Both	181	23	1
4	Civil Engineering	Academic Department with lab facility	Survey	UG / PG / PhD	Both	51	26	1
5	Electronics and Communication Engineering	Academic Department with lab facility	Innovation lab	UG / PG / PhD	Both	151	27	2
6	Electronics and Communication Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Renewable Energy Resource	UG / PG / PhD	Both	143	20	2

### 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 : IC201811033
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

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

Srno	Name of Program (Full)	Program Theme	Program Type	Program Category	Organizing Departm	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants	Internal Participants	External Participants	External Participants	Total Number of	Had institute spent expenses either from own resource/received fund to	Did any of the participants received any awards/recognition for startup / innovation ideas /
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**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

Sl. No.	Name)	Innovation/Program	Skill Development/Activity	Institute/Lead Activity	ent / Centre / Student Body Name	Start Date	End Date	No. of Participants	Location	(Student)	(Faculty)	(Student)	(Faculty)	Participants	organise the program/activity/event?	research?		
																Award / Position / Recognition Secured	First Place	
1	Proof of Concept Competition	Innovation	Skill development	Institute Lead Activity	SEC - Entrepreneurship Development Cell	10-06-2019 00:00:00	10-06-2019 00:00:00	1	Within Campus	16	4	0	0	20	No	Award / Position / Recognition Secured	First Place	
																Title of Innovation / Start-up Secured the Award / Recognition	Heartbeat sensor using LM358	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
2	APJ Abdul Kalam Innovation contest	Innovation	Innovation Contest	Institute Lead Activity	SEC - Entrepreneurship Development Cell	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Within Campus	100	25	0	0	125	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	Award / Position / Recognition Secured	First Place
																Title of Innovation / Start-up Secured the Award / Recognition	Design and implementation of GPS based border alert and identification system for fishermen	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
3	Entrepreneurship and Innovation as Career Opportunity	Entrepreneurship/Startup	Orientation Session	Student Lead Activity	SEC - Entrepreneurship Development Cell	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	125	10	10	5	150	No	No		
4	Design Thinking	Innovation	Orientation Session	Student Lead Activity	SEC - Entrepreneurship Development Cell	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	250	25	25	5	305	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No	
5	Product Development Phases - Story Telling	Innovation	Orientation Session	Student Lead Activity	SEC - Entrepreneurship Development Cell	26-11-2019 00:00:00	26-11-2019 00:00:00	1	Within Campus	250	25	25	5	305	No	No		

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

6	National Innovation and Startup Policy	Innovation	Innovation Contest	Institute Lead Activity	SEC - Entrepreneurship Development Cell	29-11-2019 00:00:00	29-11-2019 00:00:00	1	Within Campus	500	45	50	10	605	No	No	
7	Social Innovation on Entrepreneurship	Innovation	Innovation Contest	Institute Lead Activity	SEC - Entrepreneurship Development Cell	02-12-2019 00:00:00	02-12-2019 00:00:00	1	Within Campus	300	25	10	5	340	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
8	Entrepreneur Motivational Speech	Entrepreneurship/Startup	Seminar	Institute Lead Activity	SEC - Entrepreneurship Development Cell	04-12-2019 00:00:00	04-12-2019 00:00:00	1	Within Campus	456	50	25	10	541	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
9	Engage Students for Internship @ Innovation & Startup Centre	Entrepreneurship/Startup	Exposure visit	Student Lead Activity	SEC - Entrepreneurship Development Cell	18-12-2019 00:00:00	28-12-2019 00:00:00	11	Outside Campus	5	0	0	0	5	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
10	Entrepreneur's Life & Crossroad – Motivational Speak	Entrepreneurship/Startup	Workshop	Student Lead Activity	SEC - Entrepreneurship Development Cell	02-01-2020 00:00:00	02-01-2020 00:00:00	1	Within Campus	85	15	25	10	135	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
11	Internal SIH 2020	Innovation	Hackathon	Institute Lead Activity	SEC - Entrepreneurship Development Cell	06-01-2020 00:00:00	10-01-2020 00:00:00	5	Within Campus	144	20	0	0	164	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
12	Business Model Canvas (BMC)	IPR, Innovation	Workshop	Institute Lead Activity	SEC - Entrepreneurship Development Cell	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Within Campus	125	25	20	10	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
13	Awareness IP Management for Innovation and Start-ups	IPR, Entrepreneurship/Startup	Workshop	Institute Lead Activity	SEC - Entrepreneurship Development Cell	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	70	20	10	5	105	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No

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

14	Impact Lecture Series - I	IPR, Entrepreneurship/Startup	Workshop	Institute Lead Activity	SEC - Entrepreneurship Development Cell	02-03-2020 00:00:00	02-03-2020 00:00:00	1	Within Campus	138	20	40	10	208	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
15	Mentorship Session for Student Entrepreneurs	Entrepreneurship/Startup, Innovation	Mentoring Session	Student Lead Activity	SEC - Entrepreneurship Development Cell	04-03-2020 00:00:00	04-03-2020 00:00:00	1	Within Campus	75	25	40	5	145	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
16	Impact Lecture Series - II	Entrepreneurship/Startup	Workshop	Institute Lead Activity	SEC - Entrepreneurship Development Cell	20-03-2020 00:00:00	20-03-2020 00:00:00	1	Within Campus	82	10	10	2	104	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1000	No
17	Celebration of IPR Day	IPR	Awareness	Institute Lead Activity	SEC - Entrepreneurship Development Cell	26-04-2019 00:00:00	26-04-2019 00:00:00	1	Outside Campus	500	200	500	139	1339	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	Smart India Hackathon 2020	Innovation	Hackathon	SEC - Entrepreneurship Development Cell	Govt. Agency (Central)	01-08-2019 00:00:00	03-08-2019 00:00:00	3	8	2	10	No	---	---	No	No
2	INNOVATION AND UPGRADATION IN INFRASTRUCTURAL TECHNOLOGY	Entrepreneurship/Startup	Seminar	Terna Engineering College	Educational Institute	27-04-2019 00:00:00	02-05-2019 00:00:00	6	0	2	2	No	---	---	No	No

**Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

**No Data Filled!**

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(In Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Workshop on Intellectual Property Rights (IPR)	IPR	EDP in I&E / IPR	SEC - Entrepreneurship Cell in association with Computer Science and Engineering	07-08-2019	10-08-2019	4	Offline	250	30
2	Workshop on Application of Lasers in Highway Engineering	Entrepreneurship/Startup	EDP in I&E / IPR	SEC - Entrepreneurship Cell in association with Civil Engineering	05-08-2019	09-08-2019	5	Offline	100	30
3	Workshop on Automobile Prototyping	Innovation	EDP in I&E / IPR	SEC - Entrepreneurship Cell in association with Mechanical Engineering	21-12-2020	24-12-2020	4	Offline	150	45

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	V.Saravanankumar	Master of Business Administration	Assistant Professor	No	No
2	C.Mohankumar	Mechanical Engineering	Assistant Professor	No	No
3	N.Thiru Senthil Adhiban	Mechanical Engineering	Assistant Professor	No	No
4	M.Arunkumar	Electronics and Communication Engineering	Assistant Professor	No	No
5	K Ashok Kumar	Computer Science and Engineering	Assistant Professor	No	No
6	A.Tamilselvan	Electrical and Electronics Engineering	Assistant Professor	No	No

**Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Science Club	Idea Club	2019	Co-working Space	Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools	2	Yogaraj.S	yogarajsivasakthi@gmail.com	7708830347

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

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation on Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	MSME HI BI	EDC	2020	Co-working Space	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	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Aravind Thirunavukkarasu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>aravind.thiru@scteng.co.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9360053352</td> </tr> </table>	Facility Incharge Name	Aravind Thirunavukkarasu	Facility Incharge Email	aravind.thiru@scteng.co.in	Facility Incharge Phone	9360053352	02	Yes	No	Yes
Facility Incharge Name	Aravind Thirunavukkarasu																
Facility Incharge Email	aravind.thiru@scteng.co.in																
Facility Incharge Phone	9360053352																
			Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)							
			Institute's Own Fund / Resource		Sengunthar Charitable Trust			Educational Institute		0							

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

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	Centre of Excellence in Embedded Systems	2016	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>P.Sivasankaran</td> </tr> <tr> <td>Facility Incharge Email</td> <td>psivasankaran.ece@scteng.co.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9789689096</td> </tr> </table>	Facility Incharge Name	P.Sivasankaran	Facility Incharge Email	psivasankaran.ece@scteng.co.in	Facility Incharge Phone	9789689096	02	Yes	No	No
Facility Incharge Name	P.Sivasankaran														
Facility Incharge Email	psivasankaran.ece@scteng.co.in														
Facility Incharge Phone	9789689096														

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

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

Srno	Name of Incubation Facility	Year of Establishment	Description of Facility	any (Optional)	Facility Incharge Details		Engaged at the Facility	Financial Year 2019-20?	Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)
					Name	Contact			
1	MSME HI BI	2020	Pre-Incubation, Innovation Labs, Innovation Park/Research Park, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs		Dr.M.S elvaku mar	mselva kumar. mech @scteng.co.in	02	No	Yes
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			

**Section 3 > ii > d : 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?
					Name	Contact				
1	Texas Innovation Lab	2017	Innovation Labs	50000	M.Arun kumar	marun kumar. ece@scteng.co.in	03	Yes	No	Yes
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)				

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

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

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

1	SEC IPR Cell	2020	Incubation Unit, Innovation Labs, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.P.P onmurugan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>headrn d@sct eng.co .in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>96987 30088</td> </tr> </table>	Facility Incharge Name	Dr.P.P onmurugan	Facility Incharge Email	headrn d@sct eng.co .in	Facility Incharge Phone	96987 30088	05	No	No	No
Facility Incharge Name	Dr.P.P onmurugan														
Facility Incharge Email	headrn d@sct eng.co .in														
Facility Incharge Phone	96987 30088														

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	C.Mohankumar	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Improving Heat transfer characteristics of double pipe heat exchanger using helical Bassele on the annular plate		Within	
Sit to Stand system and Mobility assistant device		Within		
2	N.Thiru Senthil Adhiban	Assistant Professor	Idea/Innovation Development, Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design and Analysis of Mini Electrical Vehicle for Surveying Purpose		Within	
Fabrication of Mini Electrical Vehicle for Surveying Purpose		Within		
3	V.Saravanankumar	Assistant Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	A Study on Job Satisfaction in Nagarjuna Herbal Concentrates Ltd.		Outside	
	A study on Consumer attitude and behavior towards Nalam Agro Organic Foods with special reference to Tirupur district		Outside	
	A study on Consumer attitude and behaviour at sambandam spinning mills ltd, Salem		Outside	
	A Study on Employee Engagement With Special Reference To Marico Limited, Perundurai, Erode		Outside	
A study on Human Resources Policies and its implementations with special reference to K.K.Balusamy & co., Erode.		Outside		
4	A.Tamilselvan	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Pollution Management Using IOT		Within		
5	M.Arunkumar	Assistant Professor	Idea/Innovation Development	7



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

		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Design and Implementation of GPS based Border alert and Identification system for fishermen	Within	
6	K Ashok Kumar	Assistant Professor	Idea/Innovation Development	10
			Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI
		Women safety Patrolling Robot	Within	

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	Dr.M.Dhanasu	Idea/Innovation Development,Entrepreneurship/Startup Development	Unstructured Mentorship
2	Gowtham.S	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship

**Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received**

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
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1	Design and Implementation of GPS border Alert and Identification System for Fishermen	Product Innovation	Technological		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	Tamil Nadu State Council for Science and Technology	No	No	No	No
									Agency Type	Govt. Agency (State)				
									Award / Position / Recognition Secured	7500				

Name	Type	Gender	Email	Contact
M.Arunkumar	Faculty	Male	marunkumar.mech@scteng.co.in	7010998332

2	Flow Leakage Detection System with AI Technology	Product Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr.C.Venkatesh	Faculty	Male	principal@scteng.co.in	9842755552

3	Water Supply Pipe Breakdown Management with Automatic Valve Closing System	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.P.Rameshkumar		Faculty			Male			dean.research@scteng.co.in			9842869100		
4	Ultra Low Power Intelligent Blood Glucose Meter & Pulse Oximeter	Product Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
Dr.C.Aarthi		Faculty			Female			caarthi.ece@scteng.co.in			9842362026		
5	Wireless Unmanned Smart Oil Recovery System	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender			Email			Contact		
A.Rahul		Faculty			Male			arahul.ece@scteng.co.in			9600814670		

6	Eminent Unmanned Car Parking & Billing System	Service Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	P.Gopinath		Faculty			Male		pgopinath.ece@scteng.co.in			9003743248		
7	Organic Vayu Purifier System (OVPS)	Product Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Dr.C.Venkatesh		Faculty			Male		prof.c.venkatesh@gmail.com			9842755552		
	Name		Type			Gender		Email			Contact		
P.Jagadeeswaran		Faculty			Male		pjahadeeswaran.mech@scteng.co.in			9942047775			
8	Driver Health Monitoring System (DHMS)	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
	Name		Type			Gender		Email			Contact		
	Dr.C.Aarthi		Faculty			Female		caarthi.ece@scteng.co.in			9842362026		

Name		Type							Gender			Email		Contact	
Dr.C.Venkatesh		Faculty							Male			prof.c.venkatesh@gmail.com		9842755552	
9	Smart Garbage Segregation System(SGSS)	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No		
	Name		Type							Gender			Email		Contact
	P.Gopinath		Faculty							Male			pgopinath.ece@gmail.com		9003743248
	Name		Type							Gender			Email		Contact
Dr.C.Aarthi		Faculty							Female			caarthi.ece@scteng.co.in		9842362026	
10	Smart minor and drunken driving prevent system (SMDPS)	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No		
	Name		Type							Gender			Email		Contact
	M.Arunkumar		Faculty							Male			marunkumar.mech@scteng.co.in		9894093603
	Name		Type							Gender			Email		Contact
Dr.C.Venkatesh		Faculty							Male			prof.c.venkatesh@gmail.com		9842755552	

11	Air Bag system for Two Wheeler Riders	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.M.Selvakumar		Faculty			Male			mselvakumar.mech@scteng.co.in			9443916275		
12	Production of Alternative Diesel Fuel from Engine Oil	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
N.Thiru Senthil Adhiban		Faculty			Male			nthirusenthiladhiban.mech@scteng.co.in			9092769450		
13	Smart Foldable Taga Bike	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
N.Thiru Senthil Adhiban		Faculty			Male			nthirusenthiladhiban.mech@scteng.co.in			9092769450		

14	Next generation low cost Solar powered readymade house hold portable Organic Air Purifier with Multi Facility	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
P.Jagadeeswaran		Faculty			Male			pjagadeeswaran.mech@scteng.co.in			9942047775		
15	Design and Fabrication of Cleaning Drone	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
C.Mohankumar		Faculty			Male			cmohankumar.mech@scteng.co.in			8526876484		
16	Design and Fabrication of Physically Challenged People Wheel Chair with Zero Degree Wheel Rotation	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
C.Ramesh Kumar		Faculty			Male			crameshkumar.mech@scteng.co.in			6383504353		

17	Smart Hot Flask	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
S.Murugesan		Faculty			Male			smurugesan.mech@scteng.co.in			8667412960		
18	Fabrication of Eco-Friendly Bags from Fish Wastes	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
N.Saravanan		Faculty			Male			nsaravanan.mech@scteng.co.in			9080741417		
19	Agnishamak –A Smart Fire Exit System	Product Innovation	Technological	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.C.Venkatesh		Faculty			Male			prof.c.venkatesh@gmail.com			9842755552		
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
P.Jagadeeswaran		Faculty			Male			pjagadeeswaran.mech@scteng.co.in			9942047775		



20	Organic – Air Purifier	Product Innovation	Technological	TNSCT	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dr.C.Venkatesh		Faculty			Male		prof.c.venkatesh@gmail.com			9842755552			
Name		Type			Gender		Email			Contact			
P.Jagadeeswaran		Faculty			Male		pjagadeeswaran.mech@scteng.co.in			9942047775			
21	Smart Sewage Cleaning System (SSCS)	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dr.M.Selvakumar		Faculty			Male		mselvakumar.mech@scteng.co.in			9443916275			
22	Smart Automated Portable and Foldable Cart (SAPFC)	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
N.Thiru Senthil Adhiban		Faculty			Male		nthirusenthiladhiban.mech@scteng.co.in			9092769450			

23	AGNISHAMAK - A Smart Fire Exit System	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
P.Jagadeeswaran		Faculty			Male			pjagadeeswaran.mech@scteng.co.in			9942047775		
24	Remove contamination Water by Grass Plant	Process Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.P.Subramanian		Faculty			Male			civilhod@scteng.co.in			9578322247		
25	Identifying the Water Contamination area using GIS	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.P.Subramanian		Faculty			Male			civilhod@scteng.co.in			9578322247		

26	Eco-friendly Geo Polymer blocks using Industrial By-products	Product Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
R.Shanumugam		Faculty			Male			rshanmugam.civil@scteng.co.in			9443216655		
27	Anti piracy screening system using IR rays	Service Innovation	Non-Technological / Social / Community Innovation		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
K.Ashokkumar		Faculty			Male			kashokkumar.cse@scteng.co.in			8838135128		
28	Intelligent accident detection and Reporting system	Process Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.M.Sakthivel		Faculty			Male			msakthivel.cse@scteng.co.in			8248750448		

29	4.Enabling efficient user revocation in identity based cloud storage auditing for shared big data	Product Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.B.Sujatha		Faculty			Female			bsujatha.cse@scteng.co.in			8098220772		
30	7.An integrated framework for machine failure detection	Service Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.S.Radha		Faculty			Female			sradha.cse@scteng.co.in			9789484099		
31	Smart agriculture	Process Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr.K.Umadevi		Faculty			Female			eeehod@scteng.co.in			9443035709		

32	An IOT Enable Real time Communication And Location Tracking System for Vehicular Emergency	Process Innovation	Non-Technological / Social / Community Innovation	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
N.Sivakumar	Faculty	Male	nsivakumar.eee@scteng.co.in	7010351900

33	E-License Monitoring System using Fingerprint	Service Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
V.Nanthakumar	Faculty	Male	vnanthakumar.eee@scteng.co.in	6381282080

34	Smart pills Box	Product Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
D.Sathiyaraj	Faculty	Male	dsathiyaraj.eee@scteng.co.in	9994013578

35	GSM based monitoring of oil temperature in transformer	Process Innovation	Non-Technological / Social / Community Innovation	TNSCS T	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>		<b>Email</b>			<b>Contact</b>			
T.Gohila		Faculty			Male		tgoihila.eee@scteng.co.in			6381746620			
36	Smart e Panel	Product Innovation	Technological	TNSCS T	Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>		<b>Email</b>			<b>Contact</b>			
G.Senthilrajan		Faculty			Male		gsenthilrajan.eee@scteng.co.in			9443665561			
37	Intelligent Monitoring system for Smart Cities	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>		<b>Email</b>			<b>Contact</b>			
Dr.K.Umadevi		Faculty			Female		eeehod@scteng.co.in			9443035709			

38	lot based vehicle hiring system using e licence	Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No
Name		Type			Gender		Email			Contact			
V.Nanthakumar		Faculty			Male		vnanthakumar.eee@scteng.co.in			6381282080			

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

**No Data Filled!**

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	LAB TECH	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation, Incubation, Mentoring, Networking, Investment	01	18-12-2019

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

**No Data Filled!**

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	AGNISHAMAK A SMART FIRE EXIT SYSTEM	201941052717	National	2019 - 12	Uploaded
2	ORGANIC VAYU PURIFIER SYSTEM (OVPS)	201941052172	National	2019 - 12	Uploaded