



# 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: SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY [ARI-C-45303]

### 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	Agriculture Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	143	9	2
2	Computer Science and Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	110	13	2
3	Civil Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	16	9	1
4	Electronics and Communication Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	121	13	2
5	Mechanical Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	65	13	2
6	Greefi Technologies	Incubation Unit	Web Design and Development	UG / PG / PhD	Technical	12	4	1
7	K-Teq Solutions	Incubation Unit	Web, mobile and IOT developers	UG / PG / PhD	Technical	22	3	1
8	Hatlet Technologies	Incubation Unit	Enterprise resource planning (ERP)	UG / PG / PhD	Technical	32	3	2
9	E2 INFO SYSTEMS PVT LTD	Incubation Unit	IT/ITES	UG / PG / PhD	Technical	32	3	1
10	Skyline Web Services	Incubation Unit	Web design and Development	UG / PG / PhD	Technical	8	2	1
11	FintechGie, Inc.	Incubation Unit	MEDIA & TECH COMPANY	UG / PG / PhD	Technical	5	2	1
12	CNC Machine	Centre of Excellence with Advance Tools & Equipment	Mechanical parts Manufacturing	UG / PG / PhD	Technical	56	6	2
13	E-BOX	Research Unit / Park	Engineering	UG / PG / PhD	Technical	455	34	5
14	DMW CNC Solutions Pvt Ltd	Industry Institute Interface Unit	Mechanical parts Manufacturing	UG / PG / PhD	Technical	102	6	2
15	Hidel Power Links	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	45	4	1

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

16	Neptune Automation	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	56	3	1
17	PRD Rigs India Pvt Ltd	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	61	4	1
18	Sony Rigs and Hydraulics Pvt Ltd	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	36	3	1
19	Sri Shanmugha Engineering Works	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	85	8	2
20	VRV Energies India Pvt Ltd	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	24	3	1
21	MOLD MASTERS	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	52	3	1
22	THE STORY TELLING COMPANY	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Engineering	UG / PG / PhD	Technical	56	12	4
23	AGRIGATE	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	AGRICULTURE	UG / PG / PhD	Technical	132	12	3
24	FIBRES AND FABRICS	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	ENGINEERING	UG / PG / PhD	Technical	84	12	3
25	AERIAL BOTS	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	ENGINEERING	UG / PG / PhD	Technical	155	16	4
26	ASICPLAY TECHNOLOGIES PVT LTD	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	ENGINEERING	UG / PG / PhD	Technical	152	13	2
27	C-cube	Industry Institute Interface Unit	CAD Design	UG / PG / PhD	Technical	12	4	1
28	Irrigation Management and Training Institute	Industry Institute Interface Unit	Water Resource and Irrigation	UG / PG / PhD	Technical	42	6	2
29	V-Lands Best Hub	Industry Institute Interface Unit	CAD Design	UG / PG / PhD	Technical	64	6	2
30	Inspirate Technologies Pvt Ltd	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	36	4	1
31	Skill Matrix	Industry Institute Interface Unit	Technical Training	UG / PG / PhD	Technical	57	4	2
32	B square Technologies	Industry Institute Interface Unit	Technical Training	UG / PG / PhD	Technical	68	4	2
33	Consensus	Industry Institute Interface Unit	Technical Training	UG / PG / PhD	Technical	85	6	2
34	Arduino Programming Lab	Academic Department with lab facility	Electronics Product development	UG / PG / PhD	Technical	92	8	2

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

35	ARM 32 bit Embedded Aatem design Lab	Research Unit / Park	Electronics Product development	UG / PG / PhD	Technical	92	8	2
36	Embedded Lab Funded by AICTE	Academic Department with lab facility	Electronics product development	UG / PG / PhD	Technical	98	8	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 : IC201810592
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Workshop on IPR	IPR	Workshop	Institute Lead Activity	Computer science and engineering	13-06-2019 00:00:00	13-06-2019 00:00:00	1	Within Campus	45	15	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15000	No
2	Expert talk on entrepreneurship	Entrepreneurship/Startup	Orientation Session	Institute Lead Activity	Entrepreneurship development cell	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	150	20	0	0	170	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
3	Innovation Day Campaign	Innovation	Motivational speak	Institute Lead Activity	ECE	16-09-2019 00:00:00	16-09-2019 00:00:00	1	Within Campus	60	9	0	0	69	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**

4	One Day Workshop on Problem Solving/Design Thinking/Ideation Workshop/ Campus Hackathon etc.	Innovation	Workshop	Institute Lead Activity	ECE	25-09-2019 00:00:00	26-09-2019 00:00:00	2	Within Campus	39	5	0	0	44	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13000	No
5	Identification of real life problem	Innovation	Exposure visit	Institute Lead Activity	ECE	04-11-2019 00:00:00	08-11-2019 00:00:00	5	Outside Campus	30	2	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
6	One Day Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	ECE	30-07-2019 00:00:00	30-07-2019 00:00:00	1	Within Campus	25	2	0	0	27	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
7	My Story - Entrepreneur's Life & Crossroad - Motivational Speak - To be Share by Entrepreneurs	Entrepreneurship/Start-up	Motivational speak	Institute Lead Activity	ECE	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	30	4	0	0	34	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
8	Arduino Programming for Innovative Product Development	Innovation	Workshop	Institute Lead Activity	ECE	23-12-2019 00:00:00	24-12-2019 00:00:00	2	Within Campus	45	4	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
9	Entrepreneurship	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	ECE	09-01-2020 00:00:00	09-01-2020 00:00:00	1	Within Campus	40	2	0	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No

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

10	Product Design/ Design Thinking Workshop	Innovation	Workshop	Institute Lead Activity	ECE	02-01-2020 00:00:00	02-01-2020 00:00:00	1	Within Campus	60	4	0	0	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
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**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 2019	Innovation	Hackathon	AICTE	Govt. Agency (Central)	02-04-2019 00:00:00	02-04-2019 00:00:00	1	24	0	24	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	10000	No
2	India innovation design contest challenge	Innovation	Innovation Contest	AICTE-Texas instruments	Govt. Agency (Central)	08-11-2019 00:00:00	08-11-2019 00:00:00	1	6	0	6	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	10000	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	Skill development training on CNC	Innovation	Employment Generation Training Programs	Mechanical Engineering	02-09-2019	28-09-2019	27	Offline	15	30

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Mr.R.Boopathi	Mechanical Engineering	Assistant professor	No	Yes

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
2	Dr.M.Kannan	Electronics and Communication 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
3	Mr.U.Muthaiah	Computer science and Engineering		Associate Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
4	Mr.K.Mohan	Civil engineering		Assistant Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

**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**

**No Data Filled!**

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

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
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**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

1	k teq solutions	Design Centre	2016	3D Printing & Prototype Equipment	Student Clubs	Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>R.BOO PATHI</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hod.mech@shanmugha.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8220821826</td> </tr> </table>	Facility Incharge Name	R.BOO PATHI	Facility Incharge Email	hod.mech@shanmugha.edu.in	Facility Incharge Phone	8220821826	30	Yes	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)</td> <td>10000</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	0	Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)	10000	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	R.BOO PATHI																								
Facility Incharge Email	hod.mech@shanmugha.edu.in																								
Facility Incharge Phone	8220821826																								
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Total Annual Income from Training and Skill Development Services (In Rupees)	0																								
Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)	10000																								
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0																								
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)																			
Institute's Own Fund / Resource		sri shanmugha 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)**

No Data Filled!

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

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

1	Incubation centre	2015	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>U.Muthaiah</td> </tr> <tr> <td>Facility Incharge Email</td> <td>muthaiah.cse@shamugha.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7695977199</td> </tr> </table>	Facility Incharge Name	U.Muthaiah	Facility Incharge Email	muthaiah.cse@shamugha.edu.in	Facility Incharge Phone	7695977199	5	No	No	No
Facility Incharge Name	U.Muthaiah														
Facility Incharge Email	muthaiah.cse@shamugha.edu.in														
Facility Incharge Phone	7695977199														

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

**No Data Filled!**

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

**No Data Filled!**

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Mr.R.Boopathi	Assistant professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Biodiesel for automotive applications		Within		
2	Mr.K.Mohan	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Modern constructional materials		Within		
3	Mr.K.Mohan	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Agrigate		Within		
4	Mr.R.Boopathi	Assistant professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
K Teag		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 Kandhababu	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**

No Data Filled!

**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	Krish precisions	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	15	04-07-2019

**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**

No Data Filled!

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

No Data Filled!

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

No Data Filled!

## Declaration

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

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

Dear Sir,

Herewith, myself Dr. Radhakrishnan R (Head of Institute) and Mr. Anandakumar P (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

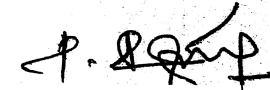


31/3/2021

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Dr. Radhakrishnan R  
Head of the Institution,  
Sankari, Tamil Nadu

Nodal officer



31/3/2021

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Mr. Anandakumar P  
Nodal Officer,  
Sankari, Tamil Nadu