



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: SETHU INSTITUTE OF TECHNOLOGY [ARI-C-27064]

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	Electronics and Communication Engineering	Academic Department with lab facility	Signal Processing and Bio Medical Engineering	UG / PG / PhD	Technical	699	58	13
2	Mechanical Engineering	Academic Department with lab facility	Manufacturing	UG / PG / PhD	Technical	1051	70	16
3	Computer Science and Engineering	Academic Department with lab facility	Image Processing	UG / PG / PhD	Technical	748	63	13
4	Electrical and Electronics Engineering	Academic Department with lab facility	Solar Energy and Energy Auditing	UG / PG / PhD	Technical	468	45	15
5	Civil Engineering	Academic Department with lab facility	Smart Home and Construction Materials	UG / PG / PhD	Technical	584	45	16
6	Information Technology	Academic Department with lab facility	Software Development	UG / PG / PhD	Technical	224	23	9
7	Chemical Engineering	Academic Department with lab facility	Cosmetic Products and Paper Manufacturing	UG / PG / PhD	Technical	129	15	5
8	Agriculture Engineering	Academic Department with lab facility	Agriculture Products and Devices	UG / PG / PhD	Technical	239	17	4
9	Bio medical Engineering	Academic Department with lab facility	Medical Equipment	UG / PG / PhD	Technical	211	14	5

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 : IC201811495
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required

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

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)	No	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	India First Leadership Talk Series	Innovation	Motivational speak	Institute Lead Activity	Electronics and Communication Engineering	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	60	20	0	0	80	No	No
2	Organise One Day Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Electrical and Electronics Engineering	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	50	20	0	0	70	No	No
3	Innovation Day Campaign	Innovation	Awareness	Institute Lead Activity	Mechanical Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	69	5	0	0	74	No	No
4	My Story - Entrepreneur's Life & Crossroad - Motivational Speak - To be Share by Entrepreneurs	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electrical and Electronics Engineering	17-10-2019 00:00:00	17-10-2019 00:00:00	1	Within Campus	60	30	0	0	90	No	No
5	Presentation on National Innovation and Startup Policy 2019	Innovation	Seminar	Institute Lead Activity	Electronics and communication engineering	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	50	5	0	0	55	No	No
6	Project Contest and Exhibition	Innovation	Exhibition	Institute Lead Activity	Mechanical Engineering	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	50	10	0	0	60	No	No

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

7	Student Design Contest	Innovation	Innovation Contest	Institute Lead Activity	Electronics and Communication Engineering	29-10-2019 00:00:00	30-10-2019 00:00:00	2	Within Campus	73	9	0	0	82	<div style="background-color: #002060; color: white; padding: 5px;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 20000	Award / Position / Recognition Secured	First
																Title of Innovation / Start-up Secured the Award / Recognition	Wee care
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
8	Engage Students for Internship at Innovation & Start-up Centre/Start-ups/Incubation Unit etc. during Semester Break (Duration may vary from minimum 15 day to 2 months or during entire semester)	Entrepreneurship/Startup	Training	Institute Lead Activity	Information Technology	23-12-2019 00:00:00	03-01-2020 00:00:00	12	Within Campus	43	8	0	0	51	No	No	
9	Organise a Product Design/Design Thinking Workshop at Campus	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	09-01-2020 00:00:00	09-01-2020 00:00:00	1	Within Campus	150	20	0	0	170	No	No	
10	Organise a workshop/Seminar/Call for Paper presentation on Innovation/Social Innovation & Entrepreneurship	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Civil Engineering	10-01-2020 00:00:00	10-01-2020 00:00:00	1	Within Campus	68	15	0	0	83	No	No	

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

11	Workshop on National Innovation and Start-up Policy (NISP)	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Science and Humanities	20-01-2020 00:00:00	20-01-2020 00:00:00	1	Within Campus	67	3	0	0	70	No	No						
12	Idea Submission in Smart India Hackathon 2020	Innovation	Hackathon	Institute Lead Activity	Electronics and communication Engineering	29-01-2020 00:00:00	30-01-2020 00:00:00	2	Within Campus	672	20	0	0	692	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Non Invasive Fetal Stress Monitoring Device</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Non Invasive Fetal Stress Monitoring Device	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	First																					
Title of Innovation / Start-up Secured the Award / Recognition	Non Invasive Fetal Stress Monitoring Device																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
13	Demo Day – Exhibition Cum Mentorship Session for Innovators (or) Student Entrepreneurs	Innovation	Demo Day	Institute Lead Activity	Mechanical Engineering	22-01-2020 00:00:00	22-01-2020 00:00:00	1	Within Campus	52	10	0	0	62	No	No						
14	Startup Idead - Plan Contest 2020	Entrepreneurship/Startup	Innovation Contest	Student Lead Activity	Electronics and Communication Engineering	24-02-2020 00:00:00	24-02-2020 00:00:00	1	Within Campus	87	15	0	0	102	No	No						
15	Project Display	Innovation	Exhibition	Institute Lead Activity	All department	04-03-2020 00:00:00	04-03-2020 00:00:00	1	Within Campus	112	20	0	0	132	No	No						
16	Organise One day Session on "How to plan for Start-up and legal and Ethical Steps"	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Electronics and Communication Engineering	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	150	20	0	0	170	No	No						

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

17	Organise One/half day Interactive/online Session/Mentoring Session "Hangout with Successful Start-ups" (Entrepreneurs in Campus)	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Computer Science Engineering	13-03-2020 00:00:00	13-03-2020 00:00:00	1	Within Campus	100	10	0	0	110	No	No
----	--	--------------------------	--------------------	-------------------------	------------------------------	---------------------	---------------------	---	---------------	-----	----	---	---	-----	----	----

Section 1 > ii : Details of Students, Faculty/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	Innovation Ambassador Program	Entrepreneurship/Startup	Training	Sri Krishna College of Engineering	Educational Institute	06-01-2020 00:00:00	07-01-2020 00:00:00	2	0	4	4	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	4000	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Intellectual Property Rights	IPR	Elective/Core Credit Course	Master	All Department	05-08-2019	05-11-2019	93	Offline	60	76
2	Research Methodology and IPR	IPR	Elective/Core Credit Course	Master	All Department	05-08-2019	11-11-2019	99	Offline	61	72

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)

No Data Filled!

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)

No Data Filled!

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	Students Innovation Club	Innovation Club	2018	Co-working Space, Work Stations	Innovation Labs, Centre of Excellence with Advance Tools	3	S.K.Gaythri	gayathrikananathan@gmail.com	9894404092
2	EDC club	Startup Club	2016	Co-working Space, Work Stations	Innovation Labs, Centre of Excellence with Advance Tools	3	M.Durgadevi	durgadevi490m@gmail.com	9994805775
3	IPR club	Startup Club	2015	Co-working Space, Work Stations	Innovation Labs, Centre of Excellence with Advance Tools	1	M.Bharkavi Sandhiya	bharkavisandhiyamohan@gmail.com	9600273982

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)

No Data Filled!

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)

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
------	--	--------------------	----------------------	--	-------------------------	---	--	--	--	--	--	--	--

1	Non Invasive Fetal Stress Monitoring Device	Product Innovation	Technological	College	Student-Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>Arambam, SIH, Jumpsatrt</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Pre final</td> </tr> </table>	Agency Name	Arambam, SIH, Jumpsatrt	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Pre final	No	No	No	<table border="1"> <tr> <td>Amount Received in Rs.</td> <td>15000</td> </tr> </table>	Amount Received in Rs.	15000
Agency Name	Arambam, SIH, Jumpsatrt																				
Agency Type	Govt. Agency (Central)																				
Award / Position / Recognition Secured	Pre final																				
Amount Received in Rs.	15000																				

Name	Type	Gender	Email	Contact
Tamilselvi R	Faculty	Female	tamilselvi@sethu.ac.in	8883925991

Name	Type	Gender	Email	Contact
Dr M parisa Beham	Faculty	Female	parisabeham@sethu.ac.in	9500902886

2	Non Invasive Glucometer	Product Innovation	Technological	College	Alumni	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	Agency Name	SIH	No	No	No	No
									Agency Type	Govt. Agency (Central)				
									Award / Position / Recognition Secured	Pre final				

Name	Type	Gender	Email	Contact
M Parisa Beham	Faculty	Female	parisabeham@sethu.ac.in	9500902886

Name	Type	Gender	Email	Contact
R Tamilselvi	Faculty	Female	tamilselvi@sethu.ac.in	8883925991

3	Prosthetic Arm	Product Innovation	Technological	College	Student-Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
---	----------------	--------------------	---------------	---------	-----------------	---	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr.Tamilselvi & Dr.M.Parisa Beham	Faculty	Female	tamilselvi@sethu.ac.in	8883925991

Name	Type	Gender	Email	Contact
M.Niranjana	Student	Female	niranjanamohan18.00@gmail.com	9791668431

4	BMD	Product Innovation	Technological	College	Student-Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
---	-----	--------------------	---------------	---------	-----------------	---	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr.R.Tamilselvi & Dr.M.Parisa Beham	Faculty	Female	tamilselvi@sethu.ac.in	8883925991

5	Medirobo	Product Innovation	Technological	College	Student-Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
---	----------	--------------------	---------------	---------	-----------------	---	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr.R.Tamilselvi & Dr.M.Parisa Beham	Faculty	Female	tamilselvi@sethu.ac.in	8883925991

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	TNSI	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Seed fund	2	05-03-2020
2	Hyundai	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Seed fund	1	15-08-2019

3	Arambam	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Seed fund	1	18-10-2019
---	---------	----------------------------------	--	-----------	---	------------

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	Non-Invasive Fetal Stress Monitoring Device	E-2/3785/2019	National	2019 - 11	Uploaded
2	Smart Hundi- A Coin Counting Gadget	E-2/3786/2019	National	2019 - 11	Uploaded
3	A Movable Medirobo For Immovable Elderly People	201941036185	National	2019 - 09	Uploaded