



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: Tagore Engineering College [ARI-C-16541]

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	Aeronautical Engineering	Academic Department with lab facility	Aeronautical Engineering	UG / PG / PhD	Technical	74	15	5
2	Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	63	22	5
3	Computer Science and Engineering	Academic Department with lab facility	Computer Science & Engineering	UG / PG / PhD	Technical	209	24	7
4	Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	140	29	7
5	Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	52	23	5
6	Information Technology	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	81	16	5
7	Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	218	34	8
8	Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PhD	Non-Technical	107	8	4
9	Research Center	Research Unit / Park	Meccahnical Engineering	UG / PG / PhD	Technical	14	12	4
10	Research Center	Research Unit / Park	Electronics and Communication Engineering	UG / PG / PhD	Technical	26	14	4
11	Computer Science and Engineering	Centre of Excellence with Advance Tools & Equipment	D-Link Wireless Networks	UG / PG / PhD	Technical	240	12	5
12	Tagore Innovation and Incubation Cell	Pre-incubation unit	Innovation and Startup	At all level	Both	0	0	0
13	Industry Institution Interaction Cell	Industry Institute Interface Unit	Bridging Academia and Industry	UG / PG / PhD	Both	944	12	4

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

14	Entrepreneurship Development Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Entrepreneurship Developmen	UG / PG / PhD	Both	822	12	4
15	Tagore-Barola Technologies	Centre of Excellence with Advance Tools & Equipment	Aero Space	UG / PG / PhD	Technical	230	8	4
16	Center of Excellance-REDHAT LINUX	Centre of Excellence with Advance Tools & Equipment	Software Development	UG / PG / PhD	Technical	600	8	4
17	Center for Renewable Energy	Centre of Excellence with Advance Tools & Equipment	Renewable Energy	UG / PG / PhD	Technical	330	8	4

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 : IC201912587
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	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	INTERNAL HACKATHON FOR SMART INDIA	IPR	Hackathon	Student Lead Activity	ELECTRONICS AND COMMUNICATION ENGINEERING	20-01-2020 00:00:00	08-03-2020 00:00:00	49	Within Campus	24	3	0	0	27	No	No
2	Networking	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	15-07-2019 00:00:00	15-07-2019 00:00:00	1	Within Campus	72	3	3	1	79	No	No

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

3	Mobile Application Development & AWS	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	16-07-2019 00:00:00	16-07-2019 00:00:00	1	Within Campus	92	5	4	2	103	No	No
4	IOTg	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	12-08-2019 00:00:00	12-08-2019 00:00:00	1	Outside Campus	50	3	4	1	58	No	No
5	Cyber Security & Forensics	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	27-08-2019 00:00:00	27-08-2019 00:00:00	1	Within Campus	25	5	8	1	39	No	No
6	Artificial Intelligence & IOT	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	09-09-2019 00:00:00	09-09-2019 00:00:00	1	Within Campus	32	3	9	1	45	No	No
7	EXPECTATIONS FROM THE IT INDUSTRY	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	14-08-2019 00:00:00	14-08-2019 00:00:00	1	Within Campus	71	3	3	1	78	No	No
8	Artificial Intelligence	Innovation	Seminar	Institute Lead Activity	Department of Computer Science and Engineering	14-08-2019 00:00:00	14-08-2019 00:00:00	1	Within Campus	25	1	2	1	29	No	No
9	SKILL DEVELOPMENT and PLACEMENTS	Innovation	Skill development	Institute Lead Activity	Department of Computer Science and Engineering	13-08-2019 00:00:00	13-08-2019 00:00:00	1	Within Campus	56	4	10	1	71	No	No
10	Software	Innovation	Exposure visit	Institute Lead Activity	Department of Computer Science and Engineering	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Outside Campus	25	1	6	1	33	No	No
11	Cisco Routing And Switching LIVE WIRE	Innovation	Workshop	Student Lead Activity	ECE	07-02-2020 00:00:00	08-02-2020 00:00:00	2	Within Campus	63	8	0	0	71	No	No

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

12	Computer intelligence and Knowledge Representation	Innovation	Workshop	Institute Lead Activity	Department of Information Technology	02-01-2020 00:00:00	03-01-2020 00:00:00	2	Within Campus	120	12	15	3	150	No	No						
13	NOSQL & ANGULARJS	Innovation	Seminar	Student Lead Activity	Department of Information Technology	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	95	8	0	0	103	No	No						
14	PCB Design	IPR	Workshop	Student Lead Activity	ECE	25-07-2019 00:00:00	26-07-2019 00:00:00	2	Within Campus	63	5	0	0	68	No	No						
15	Signals and Systems and DTSP	IPR	Orientation Session	Student Lead Activity	ECE	01-08-2019 00:00:00	01-08-2019 00:00:00	1	Within Campus	58	8	0	0	66	No	No						
16	"Workshop on IoT using Raspberry Pi"	IPR	Workshop	Student Lead Activity	ECE	06-09-2019 00:00:00	07-09-2019 00:00:00	2	Within Campus	78	5	0	0	83	No	No						
17	TECHNO SHOW	Innovation	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	100	50	400	50	600	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Innovative Project</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Automated Guided Material Handling System</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Best Innovative Project	Title of Innovation / Start-up Secured the Award / Recognition	Automated Guided Material Handling System	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Best Innovative Project																					
Title of Innovation / Start-up Secured the Award / Recognition	Automated Guided Material Handling System																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

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

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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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

1	Integrative Teaching Pedagogy in End User Perspective	Innovation	Skill development	Tagore Engineering college.	Corporate / Industry Association	25-06-2019 00:00:00	25-06-2019 00:00:00	1	6	6	12	No	---	---	No	No
2	Data Science and exploratory Data Analysis With R and Python	Innovation	Skill development	Sai Ram Engineering College.	Corporate / Industry Association	17-06-2019 00:00:00	20-06-2019 00:00:00	4	2	2	4	No	---	---	No	No
3	Program Monitoring Office	Innovation	Skill development	CED, Annauniversity,	Educational Institute	17-10-2019 00:00:00	19-10-2019 00:00:00	3	2	1	3	No	---	---	No	No
4	National Workshop on Intellectual Property Rights	Innovation	Workshop	Tagore Engineering college.	Corporate / Industry Association	21-09-2019 00:00:00	21-09-2019 00:00:00	1	2	9	11	No	---	---	No	No
5	A Hands-on Approach for the Design and implementation of Deep Learning in Cloud	Innovation	Skill development	SRM University	Educational Institute	13-11-2019 00:00:00	13-11-2019 00:00:00	1	1	1	2	No	---	---	No	No
6	Regional mentoring session workshop	Innovation	Workshop	Vel Tech	Educational Institute	31-07-2019 00:00:00	31-07-2019 00:00:00	1	1	1	2	No	---	---	No	No
7	BIG DATA ANALYTICS IN BIOINFORMATICS	Innovation	Training	Misrimal Navajee Munoth Jain Engineering college	Educational Institute	04-11-2019 00:00:00	17-11-2019 00:00:00	14	1	4	5	No	---	---	No	No
8	Software Development and Electronics and IOT Research	Innovation	Training	Kaashiv Infotech	Corporate / Industry Association	28-06-2019 00:00:00	02-07-2019 00:00:00	5	1	1	2	No	---	---	No	No
9	ANDROID	Innovation	Workshop	Code Bind Technologies	Corporate / Industry Association	08-12-2019 00:00:00	08-12-2019 00:00:00	1	4	1	5	No	---	---	No	No

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

10	HACKAT HON	Innovation	Hackathon	Karpagam	Educational Institute	16-08-2019 00:00:00	16-08-2019 00:00:00	1	1	0	1	No	---	---	No	No
11	Skill development program on E-Vehicle	Entrepreneurship/Startup	Skill development	Vaigai Acadmey - Vocational Training Center	Educational Institute	30-01-2020 00:00:00	30-01-2020 00:00:00	1	98	2	100	No	---	---	No	No
12	Skill Development Program on competitive exams	Innovation	Motivational speak	Time Institute	Educational Institute	29-01-2020 00:00:00	29-01-2020 00:00:00	1	98	2	100	No	---	---	No	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Training and Projects FOR ECE STUDENT Polenza Technologies	Entrepreneurship/Startup	Short term Course	Bachelor	ELECTRONICS AND COMMUNICATION ENGINEERING TAGORE ENGINEERING COLLEGE	31-10-2019	04-11-2019	5	Offline	3	32
2	Alumni Talk Series	IPR, Entrepreneurship/Startup	Short term Course	Bachelor	Electronics and Communication Engineering Tagore Engineering College	04-06-2020	13-06-2020	10	Online	2759	30
3	Webinar in association with Department of MBA and Heartfulness Meditation Centre	Innovation	Short term Course	Bachelor	ELECTRONICS AND COMMUNICATION ENGINEERING TAGORE ENGINEERING COLLEGE	16-07-2020	22-07-2020	7	Online	581	30
4	Start up opportunities	Innovation	Short term Course	Bachelor	Department of information technology	06-06-2019	11-06-2019	6	Online	72	30
5	workshop on 3D printing	Entrepreneurship/Startup	Short term Course	Bachelor	Department of Mechanical Engineering	09-05-2020	12-05-2020	4	Online	284	30

6	Energy and water conservation through IoT	Innovation	Short term Course	Bachelor	Department of Mechanical Engineering	10-09-2020	13-09-2020	4	Online	350	30
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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	National FDP on Archetype Shift in Teaching and Learning Institution in association with MBA	IPR	FDP in I&E / IPR	Electronics and Communication Engineering Tagore Engineering College	21-05-2020	25-05-2020	5	Online	103	30
2	Skill development programme on E- Vehicle	Entrepreneurship/Startup	Employment Generation Training Programs	Vaigai Academy - Vocational Training Center	30-01-2020	02-02-2020	4	Online	150	40
3	Workshop on IPOR	Entrepreneurship/Startup	EDP in I&E / IPR	DEPARTMENT OF MECHANICAL ENGINEERING	20-12-2019	23-12-2019	4	Offline	25	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	Dr.S.Sasikala	ECE Tagore Engineering College	Senior 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)
2	Dr.P.RadhaKrishnan	ELECTRONICS AND COMMUNICATION 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)
3	Ms.R.Porselvi	Electronics And Communication Engineering	Senior Asst 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)
4	Ms.K.Kumutha Priya	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)
5	Ms.P.Pavithra	Electronics And Communication 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)
6	Dr.S.Sasikala	ECE Tagore Engineering College	Senior 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
7	Mr.R.Venkatesan	EEE Tagore Engineering College		Asst 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
8	Dr.P.RadhaKrishnan	Electronics and Communication 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
9	Ms.R.Porselvi	Electronics and Communication Engineering		Senior 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
10	Ms.K.Kumutha Priya	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
11	Ms.P.Pavithra	Electronics and Communication 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
12	Dr.S.Sasikala	EEE TEC		Senior 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
13	Mr.R.Venkatesan	EEE		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
14	Mr.B.PArtheeban	EEE		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)

No Data Filled!

1	Green Auto	Service Innovation	Technological	TEC	Student	TRL 2 : Technology formulation . Concept and application have been formulated.	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. k. srinivasan		Faculty			Male		hod.eee@tagore-engg.ac.in		9360636765				

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

No Data Filled!

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

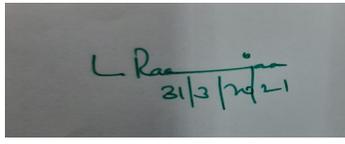
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. L. RAJA (Head of Institute) and Dr. S. SURENDRAN (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

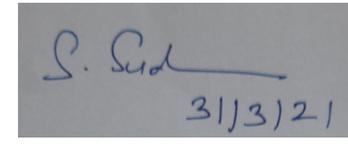
Thank you

The Head of Institute



Dr. L. RAJA
Head of the Institution,
Kancheepuram, Tamil Nadu

Nodal officer



Dr. S. SURENDRAN
Nodal Officer,
Kancheepuram, Tamil Nadu