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

Institute Name: SCAD College of Engineering and Technology [ARI-C-27048]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Civil Engineering Department	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	107	12	3
Computer Science Engineering	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	228	18	4
Electrical and Electronics Engineering	Academic Department with lab facility	Electrical	UG / PG / PhD	Technical	129	18	4
Electronics and Communication Engineering	Academic Department with lab facility	Electronics	UG / PG / PhD	Technical	149	32	6
Mechanical Engineering	Academic Department with lab facility	Mechanical	UG / PG / PhD	Technical	426	32	6
Master of Business Administration	Industry Institute Interface Unit	Management	UG / PG / PhD	Both	54	10	3
Applied Electronics	Academic Department with lab facility	Electronics	UG / PG / PhD	Technical	11	4	2
Computer Science and Engineering	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	15	6	3
Power Electronics and Drives	Academic Department with lab facility	Electrical	UG / PG / PhD	Technical	8	6	3

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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	No	Not Required
Trained Innovation Ambassadors at HEI	No	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	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Strategy and Implementation Summary of Civil Engineering Start Up	Entrepreneurship/Startup	Awareness	Student Lead Activity	Civil	21-03-2020 00:00:00	22-03-2020 00:00:00	2	Within Campus	25	10	10	2	47	No	No
2	Contracts Management	Innovation	Training	Institute Lead Activity	Civil	30-01-2020 00:00:00	31-01-2020 00:00:00	2	Within Campus	28	8	6	3	45	No	No
3	Need of IoT for Modern Electrical Engineer	Entrepreneurship/Startup	Awareness	Student Lead Activity	Electrical and Electronics Engineering	18-11-2019 00:00:00	21-11-2019 00:00:00	4	Within Campus	35	12	12	2	61	No	No
4	Dont Spend Your Time, Just Invest It	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	MBA	12-08-2019 00:00:00	16-08-2019 00:00:00	5	Within Campus	25	6	10	3	44	No	No
5	Start Up and IPR	Entrepreneurship/Startup	Awareness	Institute Lead Activity	MECHANICAL ENGINEERING	12-08-2019 00:00:00	16-08-2019 00:00:00	5	Within Campus	40	8	12	4	64	No	No
6	Start up Enclave	Innovation	Demo Day	Institute Lead Activity	Computer Science Engineering	09-09-2019 00:00:00	13-09-2019 00:00:00	5	Within Campus	45	8	12	3	68	No	No
7	Digital Entrepreneur	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Electronics and Communication Engineering	04-09-2019 00:00:00	07-09-2019 00:00:00	4	Within Campus	25	3	5	1	34	No	No

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

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

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	An Introduction to Strategic Planning for Large Scale Products	Entrepreneurship/Startup	Awareness	SCAD College of Engineering and Technology	Educational Institute	31-03-2020 00:00:00	31-03-2020 00:00:00	1	32	8	40	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 2000	No
2	Introduction to Electronic Industry	Entrepreneurship/Startup	Awareness	Electrical and Electronics Engineering	Educational Institute	30-12-2019 00:00:00	31-12-2019 00:00:00	2	25	8	33	No	---	---	No	No
3	Overview of Securities Market and Career Opportunities	Entrepreneurship/Startup	Awareness	MBA	Educational Institute	16-09-2019 00:00:00	19-09-2019 00:00:00	4	28	6	34	No	---	---	No	No
4	Get Smart	Entrepreneurship/Startup	Skill development	SCADCET MBA	Educational Institute	10-02-2020 00:00:00	12-02-2020 00:00:00	3	125	36	161	No	---	---	No	No
5	New Trends in Start Up	Entrepreneurship/Startup	Start-up Conclave	MBA	Educational Institute	20-01-2020 00:00:00	23-01-2020 00:00:00	4	35	4	39	No	---	---	No	No
6	Start Up After Engineering	Entrepreneurship/Startup	Awareness	Mechanical Engineering	Educational Institute	18-11-2019 00:00:00	22-11-2019 00:00:00	5	25	3	28	No	---	---	No	No
7	Next Generation Robotics	Innovation	Skill development	SCAD Group of Institutions	Educational Institute	20-01-2020 00:00:00	25-01-2020 00:00:00	6	60	12	72	No	---	---	No	No
8	Opportunities in Electronics Start Up	Entrepreneurship/Startup	Exposure visit	SCAD Group of Institutions	Educational Institute	20-11-2019 00:00:00	23-11-2019 00:00:00	4	36	6	42	No	---	---	No	No

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	Surface Morphological Studies on ternary blended Cementitious Materials	Entrepreneurship/Startup	Short term Course	Bachelor	Civil	17-02-2020	24-02-2020	8	Online	35	30
2	ELECTRICAL SAFETY IN INDUSTRIES	Innovation	Full time Program	Bachelor	EEE	20-01-2020	23-01-2020	4	Online	31	30
3	CEO Talk in Aspire to Inspire	Entrepreneurship/Startup, Innovation	Short term Course	Master	MBA	05-02-2020	08-02-2020	4	Online	42	30

4	Design Development and Start Up	Entrepreneurship/Startup	Short term Course	Bachelor	Mechanical	06-01-2020	10-01-2020	5	Online	26	30
5	App Development	Innovation	Short term Course	Bachelor	Computer Science	13-11-2019	16-11-2019	4	Online	35	30
6	Mobile Robots	Innovation	Short term Course	Bachelor	Electronics and Communication Engineering	23-10-2019	26-10-2019	4	Online	20	30

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Opportunities for Civil Engineers	Entrepreneurship/Startup	Employment Generation Training Programs	Civil	09-03-2020	13-03-2020	5	Online	40	30
2	RECENT TRENDS IN INDUSTRIAL AUTOMATION AND ITS APPLICATION	Innovation	Employment Generation Training Programs	EEE	10-02-2020	14-02-2020	5	Online	28	30
3	Employment After Engineering	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical	16-12-2019	20-12-2019	5	Online	35	30
4	Employment Opportunities in IT Sector	Innovation	Employment Generation Training Programs	Computer Science Engineering	20-10-2020	24-10-2020	5	Online	25	30
5	Winter Skill Training on Future of IoT and AI	Innovation	Employment Generation Training Programs	Electronics and Communication Engineering	07-01-2020	11-01-2020	5	Online	40	30

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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Dr. S. Gopikumar	Civil	Associate Professor	No	No
2	Jebaraj R	EEE	Assistant Professor	No	No
3	Dr. M. Shanmugasundaram	Management	HoD	No	No
4	Tirupathieswaran R	Mechanical	Assistant Professor	No	No
5	M. Ashok Kumar	Electronics and Communication Engineering	Assistant Professor	No	No

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	Drone Surveying Club	Idea Club	2019	Co-working Space	Innovation Labs	1	C.Harishankar	harishankarc.ug18.ci@scadengineering.ac.in	8248340194
2	Innovators	Innovation Club	2019	Work Stations	No Such Facilities Exist in the Campus	1	JAYA PRASAD S	jayaprasad612000@gmail.com	9080059962
3	Marketing Club	Idea Club	2017	Co-working Space	No Such Facilities Exist in the Campus	4	Pavithra R V	pavithrarv.pg20.mba@scadngineering.ac.in	8056749981

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 Flled!

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

No Data Flled!

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data Flled!

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

No Data Flled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Flled!

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

No Data Flled!

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

No Data Flled!

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 Flled!

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

No Data Flled!

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	AR Constructions	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	1	27-01-2020
2	ECCI Academy	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	2	19-08-2019

List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data FIled!

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data FIled!

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

No Data FIled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner
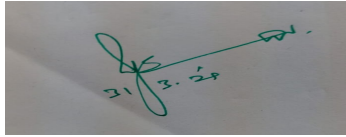
No Data FIled!

Declaration

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

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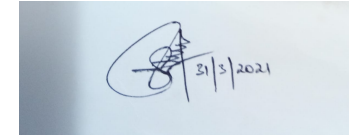
Thank you

The Head of Institute	Nodal officer
Dr. K. JEYAKUMAR	Dr. S. GOPIKUMAR
Head of the Institution,	Nodal Officer,
Cheranmahadevi, Tamil Nadu	Cheranmahadevi, Tamil Nadu

Responsibility for accuracy and authenticity of data lies with the concerned institution.