



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

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

Institute Name: Manonmaniam Sundaranar University [ARI-C-41182]

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

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)
Department of Bio Technology	Academic Department with lab facility	Biological Sciences/ Life Sciences/ Bio Technology	UG / PG / PhD	Both	111	8	1
Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Non-Technical	159	5	2
Centre for Marine Science and Technology	Academic Department with lab facility	Marine Science	UG / PG / PhD	Non-Technical	141	10	4
Communication	Academic Department with lab facility	Arts	UG / PG / PhD	Non-Technical	141	9	2
Computer Science and Engineering	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	160	12	3
Criminology and Criminal Justice	Academic Department with lab facility	Criminology and Criminal Justice Sciences	At all level	Both	59	7	1
Economics	Academic Department with lab facility	Coastal Environment, Water and Solid waste, Health Issues, Agricultural Labour and Technology	UG / PG / PhD	Both	25	5	1
Centre for Geo Technology	Academic Department with lab facility	Applied Geo Physics	UG / PG / PhD	Technical	20	5	1
History	Academic Department with lab facility	History	UG / PG / PhD	Non-Technical	31	6	2
Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Non-Technical	72	9	2
Pharmaceutical Chemistry	Academic Department with lab facility	Pharmaceutical Chemistry	Diploma / Polytechnic	Technical	70	7	4
Physical Education and Sports	Academic Department with lab facility	Health Promotion and sports activities of Students in the society	UG / PG / PhD	Non-Technical	35	8	4
Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Technical	4	4	3
Plant Science	Academic Department with lab facility	Development of Products from Natural Resources	UG / PG / PhD	Both	47	3	2

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

Sri Parama Kalyani Centre for Environmental Science	Centre of Excellence with Advance Tools & Equipment	Environmental Science	UG / PG / PhD	Non-Technical	47	4	3
Statistics	Academic Department with lab facility	Stochastic Process and its applications, Bayesian inference, Design of Experiment, Data Mining, Data Analysis, Data Consultancy	UG / PG / PhD	Non-Technical	58	7	2
Animal Science	Academic Department with lab facility	Animal Science-Animal Production and Health	UG / PG / PhD	Non-Technical	39	6	2
Centre for Information Technology and Engineering	Academic Department with lab facility	Information Technology, Cyber Security and Data Analysis	UG / PG / PhD	Both	100	12	2
Management Studies	Academic Department with lab facility	Management Studies	UG / PG / PhD	Technical	57	9	2
Renewable Energy Science	Academic Department with lab facility	Energy Conservation and Storage	At all level	Non-Technical	5	1	1
Tamil	Academic Department with lab facility	Humanities	At all level	Non-Technical	66	5	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 : 201912590
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	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	Invited Lecture on on 'Digital Entrepreneurship'	Entrepreneurship/Startup	Motivational speak	Student Lead Activity	Palmyra club, Department of Plant Science	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	39	4	0	0	43	No	No

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

2	Android app Development	Innovation	Workshop	Institute Lead Activity	Centre for Information Technology and Engineering	15-07-2019 00:00:00	17-07-2019 00:00:00	3	Within Campus	30	12	0	0	42	No	No
3	Handson Training for Application Pentest	Innovation	Workshop	Institute Lead Activity	Centre for Information Technology and Engineering	20-07-2019 00:00:00	21-07-2019 00:00:00	2	Within Campus	43	12	0	0	55	No	No
4	Hive for Data Analytics	Innovation	Workshop	Institute Lead Activity	Centre for Information Technology and Engineering	30-08-2019 00:00:00	31-08-2019 00:00:00	2	Within Campus	20	10	0	0	30	No	No
5	Technical Aspects of Cloud Computing	Innovation	Seminar	Institute Lead Activity	Centre for Information Technology and Engineering	07-09-2019 00:00:00	07-09-2019 00:00:00	1	Within Campus	103	12	0	0	115	No	No
6	Foundation Skills for Prospective IT Technocrats	Innovation	Seminar	Institute Lead Activity	Centre for Information Technology and Engineering	13-09-2019 00:00:00	13-09-2019 00:00:00	1	Within Campus	60	20	0	0	80	No	No
7	Enhancing Teaching - Learning Process In Higher Education Using Ict Tools	Innovation	Training	Institute Lead Activity	Centre for Information Technology and Engineering	12-03-2020 00:00:00	13-03-2020 00:00:00	2	Within Campus	4	12	5	10	31	No	No
8	Stay Safe At Cyberspace	Innovation	Training	Institute Lead Activity	Centre for Information Technology and Engineering	29-01-2020 00:00:00	29-01-2020 00:00:00	1	Within Campus	24	12	15	20	71	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**

**No Data Filled!**

**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	Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Studies	02-12-2019	30-04-2020	151	Offline	57	60

**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!**

**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!**

**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	Student Club	Startup Club	2020	None	No Such Facilities Exist in the Campus	0	J.Sathyabala	sathyabala9791@gmail.com	9791307718

**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!**

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

**No Data Filled!**

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

**No Data Filled!**

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

**No Data Filled!**

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

**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!

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

No Data Filled!

**List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI**

No Data Filled!

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

No Data Filled!

**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	Carbon Quantum Dots can act as powerful wound healant	201941025609A	International	2019 - 06	Uploaded
2	Compact Mimo Antenna for Radar Applications and Method of Design		51 / 2019	National	2019 - 12

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

No Data Filled!

**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

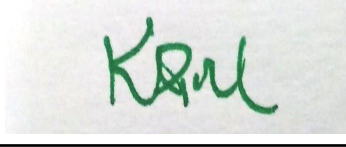
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Pitchumani. K (Head of Institute) and Mr. BALAMURUGAN. V (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

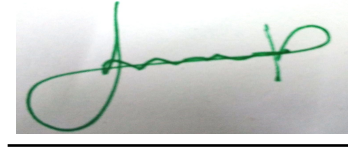
The Head of Institute



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Dr. Pitchumani. K  
Head of the Institution,  
Tirunelveli, Tamil Nadu

Nodal officer



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Mr. BALAMURUGAN. V  
Nodal Officer,  
Tirunelveli, Tamil Nadu