



# 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: Modern Education Society's College of Engineering [ARI-C-41607]

### 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	Computer Engineering	Academic Department with lab facility	Software Lab	UG / PG / PhD	Technical	180	6	1
2	First Year Engineering	Industry Institute Interface Unit	Industry visit	UG / PG / PhD	Technical	350	10	0
3	Computer Engineering	Centre of Excellence with Advance Tools & Equipment	High Performance Computing	UG / PG / PhD	Technical	180	10	1
4	Computer Engineering	Industry Institute Interface Unit	MoU with Technex	UG / PG / PhD	Technical	60	3	0
5	Computer Engineering	Industry Institute Interface Unit	Industry Sponsored Projects	UG / PG / PhD	Technical	12	5	4
6	Computer Engineering	Industry Institute Interface Unit	Guest Lectures	UG / PG / PhD	Technical	360	5	1
7	Electronics and Telecommunication	Industry Institute Interface Unit	Industrial visit to Chheda Electricals and Electronics Pvt Ltd	UG / PG / PhD	Technical	120	5	2
8	Electronics and Telecommunication	Industry Institute Interface Unit	Industrial Visit to Bhira Hydro Power Plant	UG / PG / PhD	Technical	89	4	2
9	Electronics and Telecommunication	Industry Institute Interface Unit	Workshop on Ideation and Entrepreneurship in IoT	UG / PG / PhD	Technical	39	2	2
10	Computer Engineering	Industry Institute Interface Unit	MoU with Sapours Technology	UG / PG / PhD	Technical	45	3	1
11	Electronics and Telecommunication	Industry Institute Interface Unit	Seminar on Agriculture IoT and 5G IoT	UG / PG / PhD	Technical	50	3	2
12	Computer Engineering	Industry Institute Interface Unit	MoU with ICT Academy	UG / PG / PhD	Technical	170	2	1
13	Electronics and Telecommunication	Industry Institute Interface Unit	AWS Cloud certified practitioner	UG / PG / PhD	Technical	20	3	2
14	Computer Engineering	Industry Institute Interface Unit	MoU with JALTAP	UG / PG / PhD	Technical	140	2	1

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15	Computer Engineering	Industry Institute Interface Unit	MoU with StackZeal	UG / PG / PhD	Technical	50	2	0
16	Electronics and Telecommunication	Industry Institute Interface Unit	Seminar on Establishing goals and proprieties and Career opportunities in Core Electronics	UG / PG / PhD	Technical	100	3	2
17	Electronics and Telecommunication	Industry Institute Interface Unit	Learning Cloud 101 module online	UG / PG / PhD	Technical	200	3	2
18	Computer Engineering	Industry Institute Interface Unit	AWS Cloud Master	UG / PG / PhD	Technical	0	1	0
19	Electronics and Telecommunication	Industry Institute Interface Unit	Guest lecture on NLP	UG / PG / PhD	Technical	39	2	1
20	Computer Engineering	Industry Institute Interface Unit	SE Industry Visit at GMRT	UG / PG / PhD	Technical	151	6	2
21	Electronics and Telecommunication	Academic Department with lab facility	Crazy Programmers	UG / PG / PhD	Technical	34	3	2
22	Electronics and Telecommunication	Academic Department with lab facility	Electro Hunt, Electro Charades	UG / PG / PhD	Technical	64	5	2
23	Electronics and Telecommunication	Academic Department with lab facility	Tecno Hunt	UG / PG / PhD	Technical	40	3	1
24	Computer Engineering	Pre-incubation unit	Smart India Hackathon	UG / PG / PhD	Technical	12	2	0
25	Electronics and Telecommunication	Academic Department with lab facility	Google Charades	UG / PG / PhD	Technical	30	3	1
26	Computer Engineering	Research Unit / Park	Research Publication	UG / PG / PhD	Technical	100	21	0
27	Electronics and Telecommunication	Industry Institute Interface Unit	MoU with ICT Academy	UG / PG / PhD	Technical	50	6	2
28	Computer Engineering	Pre-incubation unit	Students' Technical Event - AlphaQuest	UG / PG / PhD	Technical	100	10	2
29	Computer Engineering	Industry Institute Interface Unit	TE Industry Visit at Persistent Systems	UG / PG / PhD	Technical	168	8	2
30	Electronics and Telecommunication	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Medical Signal Processing	UG / PG / PhD	Technical	0	1	0
31	Computer Engineering	Industry Institute Interface Unit	Workshop on Python & Machine Learning	UG / PG / PhD	Technical	118	6	1
32	Electronics and Telecommunication	Research Unit / Park	Research Publication	UG / PG / PhD	Technical	0	7	0
33	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Ethical Hacking	UG / PG / PhD	Technical	148	2	1
34	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Ethical Hacking	UG / PG / PhD	Technical	106	2	1

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35	Computer Engineering	Industry Institute Interface Unit	BE Sponsored Projects	UG / PG / PhD	Technical	8	4	0
36	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Opportunities after Graduation	UG / PG / PhD	Technical	132	2	1
37	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Big Data	UG / PG / PhD	Technical	112	2	1
38	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Entrepreneurship Skills	UG / PG / PhD	Technical	61	2	1
39	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Advance Computer Network	UG / PG / PhD	Technical	90	2	1
40	Computer Engineering	Academic Department with lab facility	Programming Lab	UG / PG / PhD	Technical	180	6	1
41	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on 'JALTAP', Japanese Language Association	UG / PG / PhD	Technical	61	2	1
42	Computer Engineering	Academic Department with lab facility	Project Lab	UG / PG / PhD	Technical	200	14	1
43	Computer Engineering	Academic Department with lab facility	Microprocessor & Hardware Lab	UG / PG / PhD	Technical	180	6	1
44	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Career Guidance	UG / PG / PhD	Technical	75	2	1
45	Computer Engineering	Centre of Excellence with Advance Tools & Equipment	Computer Network Lab with SAN Box	UG / PG / PhD	Technical	180	6	1
46	Computer Engineering	Academic Department with lab facility	Software Engineering Lab	UG / PG / PhD	Technical	180	6	1
47	Computer Engineering	Academic Department with lab facility	Operating System- Linux Lab	UG / PG / PhD	Technical	180	6	1
48	Computer Engineering	Academic Department with lab facility	PG Lab	UG / PG / PhD	Technical	75	4	1
49	Computer Engineering	Industry Institute Interface Unit	Online Guest Lecture on Importance of BE Project and Project Management	UG / PG / PhD	Technical	80	2	1
50	Computer Engineering	Academic Department with lab facility	Basic Computing Lab	UG / PG / PhD	Technical	588	8	2
51	Computer Engineering Lab	Academic Department with lab facility	Language Lab	UG / PG / PhD	Technical	60	6	1
52	Computer Engineering	Industry Institute Interface Unit	Online Guest lecture on Cloud Computing	UG / PG / PhD	Technical	20	2	1

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53	Computer Engineering	Centre of Excellence with Advance Tools & Equipment	IoT Lab	UG / PG / PhD	Technical	180	4	1
54	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Patent Published on System and Method based on Single Hand Two Cameras Approach for Recognizing Hand Gestures	UG / PG / PhD	Technical	0	1	0
55	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Patent Published on System and Method for Recognizing Hand Gestures of a Sign Language based on Single Hand Single Camera Approach	UG / PG / PhD	Technical	0	1	0
56	Computer Engineering	Industry Institute Interface Unit	One Week Workshop FDP on Data Science	UG / PG / PhD	Technical	0	29	4
57	Computer Engineering	Industry Institute Interface Unit	One Week FDP on Cyber Security	UG / PG / PhD	Technical	0	25	4
58	Computer Engineering	Industry Institute Interface Unit	Guest lecture on Interview Preparation	UG / PG / PhD	Technical	60	2	1
59	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Career Guidance in ERP/ SAP	UG / PG / PhD	Technical	60	2	1
60	Computer Engineering	Industry Institute Interface Unit	Guest Lecture on Ethical Hacking Workshop for Beginners	UG / PG / PhD	Technical	60	2	1
61	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Development of Training Dataset for Devnagari Sign Language	UG / PG / PhD	Technical	0	1	0
62	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Development of Training Dataset for American Sign Language (ASL) Alphabets.	UG / PG / PhD	Technical	0	1	0
63	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Novel Algorithmic Approach applied in Devnagari Sign Language Recognizer.	UG / PG / PhD	Technical	0	1	0
64	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Novel Approach for Brain Magnetic Resonance Imaging (MRI) Segmentation for Tumour Detection	UG / PG / PhD	Technical	1	1	0
65	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Dynamic Optimized Security Access Control Kernel.	UG / PG / PhD	Technical	1	1	0

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66	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Image Steganography for Optimizing Communication	UG / PG / PhD	Technical	1	1	0
67	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Optimizing Connectivity in Rural Area ATM's	UG / PG / PhD	Technical	1	1	0
68	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Emotion-based Frequency Centric Purifire System	UG / PG / PhD	Technical	1	1	0
69	Computer Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Published Copyright on Micro-plastic Water Purifier System	UG / PG / PhD	Technical	1	1	0
70	Mechanical Engineering	Academic Department with lab facility	IC Engine Lab	UG / PG / PhD	Technical	120	3	2
71	Mechanical Engineering	Academic Department with lab facility	Fluid Machinery Lab	UG / PG / PhD	Technical	120	2	2
72	Mechanical Engineering	Academic Department with lab facility	Heat Transfer Lab	UG / PG / PhD	Technical	120	2	2
73	Mechanical Engineering	Academic Department with lab facility	Basic Mechanical Engineering	UG / PG / PhD	Technical	408	5	2
74	Mechanical Engineering	Academic Department with lab facility	Applied Thermodynamics Lab	UG / PG / PhD	Technical	120	2	2
75	Mechanical Engineering	Academic Department with lab facility	Strength of Materials Lab	UG / PG / PhD	Technical	120	2	2
76	Mechanical Department	Academic Department with lab facility	BAKER- MESCOE Metrology LAB	UG / PG / PhD	Technical	120	2	2
77	Mechanical Engineering	Academic Department with lab facility	Refrigeration and Air Conditioning	UG / PG / PhD	Technical	120	2	2
78	Mechanical Engineering	Academic Department with lab facility	Industrial Fluid Power	UG / PG / PhD	Technical	120	2	2
79	Mechanical Engineering	Academic Department with lab facility	PG lab	UG / PG / PhD	Technical	696	10	4
80	Mechanical engineering	Academic Department with lab facility	CAD/CAM	UG / PG / PhD	Technical	240	4	2
81	Mechanical Engineering	Academic Department with lab facility	Theory of Machines	UG / PG / PhD	Technical	120	2	2

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82	Mechanical Engineering	Academic Department with lab facility	Dynamics of Machinery	UG / PG / PhD	Technical	120	2	2
83	Mechanical Engineering	Academic Department with lab facility	Drawing Hall	UG / PG / PhD	Technical	528	6	4
84	Mechanical Engineering	Academic Department with lab facility	Common Workshop	UG / PG / PhD	Technical	420	1	5
85	Mechanical Engineering	Academic Department with lab facility	MESCOE - NI LabVIEW Academy	UG / PG / PhD	Technical	480	8	2
86	Mechanical Engineering	Academic Department with lab facility	Advanced Manufacturing Lab	UG / PG / PhD	Technical	120	2	3
87	Mechanical Engineering	Academic Department with lab facility	Fluid Mechanics Lab	UG / PG / PhD	Technical	120	2	2
88	Mechanical Engineering	Academic Department with lab facility	Industrial Tribology Lab	UG / PG / PhD	Technical	28	2	2
89	Mechanical Engineering	Academic Department with lab facility	Machine Shop	UG / PG / PhD	Technical	120	2	2
90	Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	Industrial Tribology Lab	UG / PG / PhD	Technical	28	2	2
91	Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	MESCOE - NI LabVIEW Academy	UG / PG / PhD	Technical	480	8	2
92	Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	BAKER- MESCOE Metrology LAB	UG / PG / PhD	Technical	120	2	2
93	Mechanical Engineering	Centre of Excellence with Advance Tools & Equipment	Advanced Manufacturing Lab	UG / PG / PhD	Technical	120	2	2
94	Mechanical Engineering	Industry Institute Interface Unit	Visit toJai Jinendra Cold Storage Plant	UG / PG / PhD	Technical	98	2	2
95	Mechanical Engineering	Industry Institute Interface Unit	Industrial Visit to Mahindra and Mahindra Vehicle Plant, Chakan, Pune	UG / PG / PhD	Technical	90	4	2
96	Mechanical Engineering	Industry Institute Interface Unit	Guest Lecture on Various Schemes of Government of Maharashtra	UG / PG / PhD	Technical	53	1	2
97	Mechanical Engineering	Industry Institute Interface Unit	Guest Lecture on "Power Of Mind"	UG / PG / PhD	Non-Technical	70	1	2
98	Mechanical Engineering	Industry Institute Interface Unit	Guest Lecture on Making Career in Domain- Start Better Grow Faster	UG / PG / PhD	Technical	73	1	2

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99	Mechanical Engineering	Industry Institute Interface Unit	Installation Program of MESCoE ISHRAE Student Chapter and Technical Talk	UG / PG / PhD	Technical	140	2	2
100	Mechanical Engineering	Research Unit / Park	Research Publication	UG / PG / PhD	Technical	19	8	0
101	Center	Pre-incubation unit	Patent Presentation for commercialization at Investor Summit, SPPU	At all level	Technical	0	2	0
102	Mechanical Engineering	Industry Institute Interface Unit	Visit to MAHAGENCO	UG / PG / PhD	Technical	110	2	2
103	Mechanical Engineering	Industry Institute Interface Unit	Visit to Parvati Pumping Station, Near Ramkrishna Math, Sinhgad Road, Pune	UG / PG / PhD	Technical	56	2	2
104	Mechanical Engineering	Industry Institute Interface Unit	Guest Lecture on Heating Load Calculations of Air-Conditioning Plant	UG / PG / PhD	Technical	68	2	2
105	Mechanical Engineering	Industry Institute Interface Unit	Guest Lecture on Making Career in Domain- Start Better Grow Faster	UG / PG / PhD	Non-Technical	73	2	2
106	Mechanical Engineering	Pre-incubation unit	SAE M BAJA	UG / PG / PhD	Technical	25	2	2
107	Mechanical Engineering	Pre-incubation unit	SAE E BAJA	UG / PG / PhD	Technical	25	2	2
108	Mechanical Engineering	Industry Institute Interface Unit	Industry Sponsored Project	UG / PG / PhD	Technical	16	3	0
109	Mechanical Engineering	Industry Institute Interface Unit	Visit to BAKER GAUGES PVT LTD Pune,	UG / PG / PhD	Technical	148	2	0
110	First Year Engineering	Industry Institute Interface Unit	Guest Lecture on Stress Management	UG / PG / PhD	Technical	295	2	2
111	First Year Engineering	Industry Institute Interface Unit	Guest Lecture on Essence of Engineering	UG / PG / PhD	Technical	318	2	2
112	First Year Engineering	Industry Institute Interface Unit	Guest Lecture on four years journey of Engineering	UG / PG / PhD	Technical	300	2	2
113	Center	Pre-incubation unit	Robo Club Awareness Workshop	UG / PG / PhD	Technical	50	4	2
114	Center	Pre-incubation unit	Roboclub : Wire and Wireless Workshop	UG / PG / PhD	Technical	45	4	2
115	Center	Incubation Unit	Innovative Project Competition	UG / PG / PhD	Technical	12	3	0
116	Center	Academic Department with lab facility	Training session to brush up the programming languages concept for placement	UG / PG / PhD	Technical	100	8	1

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117	Electronics and Telecommunication Engineering	Industry Institute Interface Unit	Industry Sponsored Project	UG / PG / PhD	Technical	15	4	0
118	Mechanical	Pre-incubation unit	MESA 2020	UG / PG / PhD	Technical	120	22	11
119	First Year Engineering	Academic Department with lab facility	Physics Lab	UG / PG / PhD	Technical	408	2	1
120	First Year Engineering	Academic Department with lab facility	Chemistry Lab	UG / PG / PhD	Technical	408	2	1
121	Electronics and Telecommunication	Academic Department with lab facility	Basic Electronics Lab	UG / PG / PhD	Technical	408	3	2
122	First Year Engineering	Academic Department with lab facility	Civil Engineering & Applied Mechanics	UG / PG / PhD	Technical	408	3	1
123	First Year Engineering	Academic Department with lab facility	Basic Electrical Lab	UG / PG / PhD	Technical	528	3	1
124	Electronics and Telecommunication	Academic Department with lab facility	Electronics Measurement and Advanced Equipment Lab	UG / PG / PhD	Technical	200	3	2
125	Electronics and Telecommunication	Academic Department with lab facility	Project and Design Development Lab	UG / PG / PhD	Technical	250	10	2
126	Electronics and Telecommunication	Academic Department with lab facility	Digital Electronics Lab	UG / PG / PhD	Technical	200	3	2
127	Electronics and Telecommunication	Academic Department with lab facility	Circuit Simulation and Modelling Lab	UG / PG / PhD	Technical	120	2	2
128	Electronics and Telecommunication	Academic Department with lab facility	Signal Processing Lab	UG / PG / PhD	Technical	150	4	2
129	Electronics and Telecommunication	Academic Department with lab facility	VLSI Design and Software Development Lab	UG / PG / PhD	Technical	100	2	2
130	Electronics and Telecommunication	Academic Department with lab facility	Digital and Analog Communication Lab	UG / PG / PhD	Technical	240	4	2
131	Electronics and Telecommunication	Academic Department with lab facility	Microwave and Optical Communication Lab	UG / PG / PhD	Technical	120	2	2
132	Electronics and Telecommunication	Academic Department with lab facility	Mechatronics Lab	UG / PG / PhD	Technical	100	2	2
133	Electronics and Telecommunication	Academic Department with lab facility	Embedded Lab	UG / PG / PhD	Technical	30	1	2
134	Electronics and Telecommunication	Academic Department with lab facility	ME Lab	UG / PG / PhD	Technical	2	1	1



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135	Central	Academic Department with lab facility	Central Computing Facility	UG / PG / PhD	Technical	600	12	4
136	Electronics and Telecommunication	Centre of Excellence with Advance Tools & Equipment	Software Define Radio in collaboration with Amitech India Pvt.	UG / PG / PhD	Technical	18	1	1

**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 : IC202014337
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

**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	Guest Lecture on Natural Language Processing	IPR	Mentoring Session	Institute Lead Activity	Department of electronics and Telecommunication Engineering	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	41	1	0	0	42	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 2000	No
2	Guest Lecture on "Discrete Fourier Transform and applications of DSP"	Innovation	Seminar	Institute Lead Activity	Department of Electronics and Telecommunication Engineering	13-08-2019 00:00:00	13-08-2019 00:00:00	1	Within Campus	39	0	0	0	39	No	No
3	Ideation and Entrepreneurship in IOT	IPR	Ideation	Institute Lead Activity	Department of Electronics and Telecommunication	07-03-2020 00:00:00	08-03-2020 00:00:00	2	Within Campus	39	0	0	0	39	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 45000	No

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4	Escape Room	Entrepreneurship/Startup	Skill development	Student Lead Activity	Department of Electronics and Telecommunication Engineering	19-09-2019 00:00:00	20-09-2019 00:00:00	2	Within Campus	60	0	23	1	84	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
5	Electrohunt	Entrepreneurship/Startup	Skill development	Student Lead Activity	Department of ETC	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	10	0	8	0	18	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
6	Industrial visit to Chheda Electricals and Electronics Pvt.Ltd.	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Electronics and Telecommunication Engineering	14-02-2020 00:00:00	14-02-2020 00:00:00	1	Outside Campus	120	5	0	0	125	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
7	Industrial Visit to Bhira Hydropower Plant	Innovation	Exposure visit	Institute Lead Activity	Department of Electronics and Telecommunication Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Outside Campus	89	2	0	0	91	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	No
8	Technohunt	Innovation	Innovation Contest	Student Lead Activity	Department of Electronics and Telecommunication Engineering	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	40	0	0	0	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
9	Crazy Programmer	Innovation	Innovation Contest	Student Lead Activity	Electronics and Telecommunication	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	34	0	0	0	34	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
10	Students' Technical Event - AlphaQuest	Innovation	Innovation Contest	Student Lead Activity	Computer Engineering	24-10-2019 00:00:00	26-10-2019 00:00:00	3	Within Campus	40	10	0	0	50	No	No	
11	Smart India Hackathon	Innovation	Hackathon	Student Lead Activity	Computer Engineering	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	30	0	0	0	30	No	No	

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12	Industrial visit to Jai Jinendra Cold Storage Plant, Wadki Naka, Saswad road, Pune	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Department of Mechanical Engineering	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Outside Campus	98	2	0	0	100	No	No	
13	Industrial Visit to Parvati Pumping Station, Near Ramkrishna Math, Sinhgad Road, Pune	Innovation	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Outside Campus	56	2	0	0	58	No	No	
14	Industrial Visit to BAKER GAUGES PVT LTD Pune,	Innovation	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Outside Campus	148	2	0	0	150	No	No	
15	Industrial Visit to UJJANI HYDRO POWER STATION , BHIMAN AGAR, MADHA, SOLAPUR.	Innovation	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	13-09-2019 00:00:00	13-09-2019 00:00:00	1	Outside Campus	110	2	0	0	112	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
16	Guest Lecture on "Energy Conservation, Global warming and New Emerging Technologies"	Innovation	Seminar	Institute Lead Activity	Department of Mechanical Engineering	06-02-2020 00:00:00	06-02-2020 00:00:00	1	Within Campus	150	5	0	0	155	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No
17	Guest Lecture on Heating Load Calculations of Air-Conditioning Plant	Innovation	Seminar	Institute Lead Activity	Department of Mechanical Engineering	23-01-2020 00:00:00	23-01-2020 00:00:00	1	Within Campus	68	2	0	0	70	No	No	

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

18	Guest Lecture on Various Schemes of Government of Maharashtra	Entrepreneurship/Startup	Mentoring Session	Institute Lead Activity	Department of Mechanical Engineering	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	53	1	0	0	54	No	No						
19	Installation Program of MESCoE ISHRAE Student Chapter and Technical Talk	Innovation	Orientation Session	Institute Lead Activity	Department of Mechanical Engineering	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	140	2	0	0	142	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2500	No					
20	Industrial Visit to Katraj Dairy Plant, Pune	Innovation	Exposure visit	Institute Lead Activity	Department of Mechanical Engineering	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	125	4	0	0	129	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2600	No					
21	Workshop on Python & Machine Learning	Entrepreneurship/Startup	Training	Institute Lead Activity	Department of computer engineering	09-03-2020 00:00:00	11-03-2020 00:00:00	3	Within Campus	118	2	0	0	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13609	No					
22	Ethical Hacking	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Department of computer engineering	17-07-2019 00:00:00	17-07-2019 00:00:00	1	Within Campus	106	0	0	0	106	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No					
23	ALPHA QUEST 2019	Innovation	Ideation	Student Lead Activity	Department of computer engineering - Accociation of Computer Engineering	24-09-2019 00:00:00	24-09-2019 00:00:00	1	Within Campus	216	14	0	0	230	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Medal</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Event sub activity</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Medal	Title of Innovation / Start-up Secured the Award / Recognition	Event sub activity	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Medal																					
Title of Innovation / Start-up Secured the Award / Recognition	Event sub activity																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					

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

24	Lathe War	Innovation	Innovation Contest	Institute Lead Activity	Department of Mechanical Engineering	12-02-2020 00:00:00	12-02-2020 00:00:00	1	Within Campus	22	0	0	0	22	No	No
25	CAD WAR	Innovation	Innovation Contest	Institute Lead Activity	Department of Mechanical Engineering	12-02-2020 00:00:00	12-02-2020 00:00:00	1	Within Campus	22	0	0	0	22	No	No
26	ELEVATOR-PITCH	Entrepreneurship/Startup	B-Plan Competitions	Institute Lead Activity	Department of Mechanical Engineering	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Within Campus	17	0	2	0	19	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**

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	NPTEL Online certification Course (FDP) on Data Science for Engineers	Entrepreneurship/Startup	Skill development	IIT Madras	Govt. Agency (Central)	29-07-2019 00:00:00	20-09-2019 00:00:00	54	0	1	1	No	---	---	No	No
2	ICT academy Bridge 2020	Entrepreneurship/Startup	Conference	ICT, Academy	Corporate / Industry Association	08-01-2020 00:00:00	08-01-2020 00:00:00	1	0	2	2	No	---	---	No	No
3	FDP on cloud masters	Entrepreneurship/Startup	Skill development	ICT Academy	Educational Institute	31-08-2019 00:00:00	31-08-2019 00:00:00	1	0	4	4	No	---	---	No	No

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

<b>No Data Filled!</b>
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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)**

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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	Ideation and Entrepreneurship in IOT	Entrepreneurship/Startup	FDP in I&E / IPR	Department of Electronics and Telecommunication Engineering	08-02-2020	11-02-2020	4	Offline	39	32

**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	Roboclub	Idea Club	2008	Work Stations	Centre of Excellence with Advance Tools	2	Mr. Rohit Tondare	rohitondare.14rt@gmail.com	8806962195

**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?						
1	High Performance Computing	Innovation Centre	2015	Co-working Space	Centre of Excellence with Advance Tools	Centre of Excellence with Advance Tools	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>B.K.Bo dkhe</td> </tr> <tr> <td>Facility Incharge Email</td> <td>balaji.bodkhe@mescoe pune.org</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9923353534</td> </tr> </table>	Facility Incharge Name	B.K.Bo dkhe	Facility Incharge Email	balaji.bodkhe@mescoe pune.org	Facility Incharge Phone	9923353534	10	No	No	No
Facility Incharge Name	B.K.Bo dkhe																
Facility Incharge Email	balaji.bodkhe@mescoe pune.org																
Facility Incharge Phone	9923353534																

**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)**

2	Centre of Excellence in Telecom	Innovation Centre	2015	Work Stations	Centre of Excellence with Advance Tools	Centre of Excellence with Advance Tools	Facility Incharge Name	Prof. Nabhega Masood	2	No	Yes		No
							Facility Incharge Email	nabegha.masood1@mescoepune.org			Total Annual Income from Training and Skill Development Services (In Rupees)	0	
							Facility Incharge Phone	7350775908			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	

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE 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 CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
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**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

1	Centre of Excellence in Telecom	2015	Innovation Labs		Facility Incharge Name	Prof. N. Masood	2	No	Yes		No
					Facility Incharge Email	nabegha.masood@mescoepune.org			Total Annual Income from Training and Skill Development Services (In Rupees)	0	
					Facility Incharge Phone	73507759088			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		
2	Robotics Lab	2008	Innovation Labs		Facility Incharge Name	Prof. Priyanka Bagul	2	No	No		No
					Facility Incharge Email	priyanka.a.wasare@mescoepune.org					
					Facility Incharge Phone	9011214007					

**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**

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area					Type of Mentorship
1	Mr. Vishal Deshpande	Idea/Innovation Development					Unstructured Mentorship
2	Mr. Basavraj Hooli	Idea/Innovation Development					Unstructured Mentorship
3	Mr.Praantik P	Idea/Innovation Development					Structured Mentorship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	'HOW CAN I 'WORKSHOP	20-02-2020	20-02-2020	1	1	100	Idea
4	Dr J C Kulkarni	Idea/Innovation Development					Structured Mentorship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Mental Ability Test	23-11-2019	23-11-2019	1	1	420	Idea

**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	Sentiment Analysis of Code Mixed Languages	Process Innovation	Technological	Project Lab	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Karan Wagh	Student	Male	karanwagh17@gmail.com	9359526768
Name	Type	Gender	Email	Contact
Dipak Patil	Student	Male	-	-
Tejashree Salvi	Student	Female	-	-
Pratik Temkar	Student	Male	-	-
-	Student	Female	-	-
-	Student	Male	-	-

2

Automated Hydroponics: Soilless Farming	Service Innovation, Market-place Innovation	Technological	Robotics Lab 318	Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Adopted and Implemented at Ground	Agency Name	AICTE Chhatra Vishwakarma Awards 2019	No	50000	Grant Amount in Rs	No	No
								Agency Type	Govt. Agency (Central)					
								Award / Position / Recognition Secured	Passed 3 stages and reach final					

Name	Type	Gender	Email	Contact
Prof. P. M. Bagul	Faculty	Female	priyanka.awasare@mescoepune.org	9011214007

Name	Type	Gender	Email	Contact
Mr. Rohit Tondare	Student	Male	rohitondare@gmail.com	8806962195
Ms. Barkha Chainani	Student	Female	chainani.barkha@gmail.com	7057860320

### 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	ICT Academy	Govt. Agency (Central)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	6	07-02-2019
2	Amitech electronics pvt ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation	12	10-05-2019
3	Samartha Udyog Technology Forum, Pune	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	0	05-07-2019

**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**

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	System and Method for recognizing Hand Gesture	201921016789	National	2019 - 04	Uploaded
2	System and Method for Recognizing Hand Gesture of a Sign Language	201921018267	National	2019 - 05	Uploaded

**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. Sunil S. Sarawade (Head of Institute) and Mr. Sharmila Kishor Wagh (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

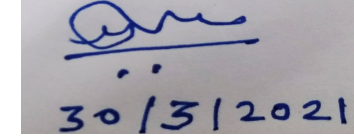
The Head of Institute

  
30/03/2021

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Dr. Sunil S. Sarawade  
Head of the Institution,  
Pune, Maharashtra

Nodal officer

  
30/3/2021

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Mr. Sharmila Kishor Wagh  
Nodal Officer,  
Pune, Maharashtra