



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: Academy of Maritime Education and Training [ARI-U-0434]

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	Department of Marine Engineering	Academic Department with lab facility	Marine Engineering	UG / PG / PhD	Technical	837	61	5
2	Department of Nautical Science	Academic Department with lab facility	Nautical Science	UG / PG / PhD	Technical	832	22	2
3	Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering - Marine	UG / PG / PhD	Technical	135	15	5
4	Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	At all level	Technical	342	26	6
5	Department of Food Processing Technology	Academic Department with lab facility	Food Processing	UG / PG / PhD	Technical	74	10	1
6	Department of Mining Engineering	Academic Department with lab facility	Mining Engineering	UG / PG / PhD	Technical	89	10	1
7	Department of Petroleum Engineering	Academic Department with lab facility	Petroleum Engineering	UG / PG / PhD	Technical	160	21	1
8	Department of Naval Architecture and offshore Engineering	Academic Department with lab facility	Naval Architecture	UG / PG / PhD	Technical	242	22	2
9	Management Studies	Academic Department with lab facility	Shipping and Logistics Management	UG / PG / PhD	Non-Technical	135	11	1
10	Department of Marine Biotechnology	Academic Department with lab facility	Marine Biotechnology	UG / PG / PhD	Technical	11	3	1
11	Department of Maritime Commerce	Academic Department with lab facility	Maritime Commerce	UG / PG / PhD	Non-Technical	48	5	0
12	Business Administration	Academic Department with lab facility	Shipping	UG / PG / PhD	Non-Technical	301	11	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 : IC201810288
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	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	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?	
															Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	112376	Award / Position / Recognition Secured	CASH PRIZES, CERTIFICATION OF APPRECIATION
1	AMET IDEA CHALLENGE	Entrepreneurship/Startup, Innovation	Ideation	Institute Lead Activity	Innovation and Incubation Centre	26-02-2020 00:00:00	27-02-2020 00:00:00	2	Within Campus	250	26	52	2	330	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	112376	Award / Position / Recognition Secured	CASH PRIZES, CERTIFICATION OF APPRECIATION
																Title of Innovation / Start-up Secured the Award / Recognition	CELAN WATER TECHNOLOGY	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
2	IDEATHON	Entrepreneurship/Startup, Innovation	Ideation	Institute Lead Activity	Innovation and Incubation Centre	23-02-2020 00:00:00	24-02-2020 00:00:00	2	Within Campus	350	50	50	10	460	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	30000	Award / Position / Recognition Secured	CASH PRIZES, CERTIFICATION OF APPRECIATION
																Title of Innovation / Start-up Secured the Award / Recognition	SMART VECHILCE	
																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

3	INTERNATIONAL HACKATHAN	Entrepreneurship/Startup, Innovation	Hackathon	Institute Lead Activity	Innovation and Incubation Centre	16-04-2019 00:00:00	16-04-2019 00:00:00	1	Within Campus	150	50	0	0	200	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	Award / Position / Recognition Secured	CASH AWARDS AND CERTIFICATE OF APPRECIATION
																Title of Innovation / Start-up Secured the Award / Recognition	ARTIFICIAL REEFS	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
4	Innovation Day Campaign	Entrepreneurship/Startup, Innovation	Exhibition	Institute Lead Activity	Innovation and Incubation Centre	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	158	15	50	5	228	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No	
5	Technical workshop on Intellectual property rights	IPR	Workshop	Institute Lead Activity	Innovation and Incubation Centre	26-08-2019 00:00:00	27-08-2019 00:00:00	2	Within Campus	150	10	53	7	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No	
6	"Entrepreneurship and Innovation as Career Opportunity"	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Innovation and Incubation Centre	09-11-2019 00:00:00	09-11-2019 00:00:00	1	Within Campus	227	12	0	0	239	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No	
7	Role of Surveillance robots in smart factories	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Innovation and Incubation Centre	30-08-2019 00:00:00	31-08-2019 00:00:00	2	Within Campus	22	13	0	0	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No	

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

8	Demo Day – Exhibition Cum Demo for PoCs & Mentorship Session for Innovators (or) Student Entrepreneurs	Entrepreneurship/Startup, Innovation	Exhibition	Institute Lead Activity	Innovation and Incubation Centre	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	120	15	70	2	207	No	No	
9	World Food Day	Innovation	Motivational speak	Institute Lead Activity	Food Processing Technology	16-10-2019 00:00:00	16-10-2019 00:00:00	1	Within Campus	40	10	0	0	50	No	No	
10	Idea Submission in Smart India Hackathon 2020	Entrepreneurship/Startup, Innovation	Hackathon	Institute Lead Activity	Innovation and Incubation Centre	22-01-2020 00:00:00	22-01-2020 00:00:00	1	Within Campus	106	6	0	0	112	No	No	
11	Product Design/Design Thinking	Innovation	Workshop	Institute Lead Activity	Innovation and Incubation Centre	16-10-2019 00:00:00	16-10-2019 00:00:00	1	Within Campus	116	18	0	0	134	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
12	Renewable Energy Sources and Solar Energy Storage System	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	08-04-2019 00:00:00	08-04-2019 00:00:00	1	Within Campus	80	20	15	5	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
13	Hands-on Training on Printed Circuit Board Design	IPR, Innovation	Workshop	Institute Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	13-08-2019 00:00:00	13-08-2019 00:00:00	1	Within Campus	80	15	0	0	95	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
14	Role of Surveillance robots in smart factories	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	21-08-2019 00:00:00	22-08-2019 00:00:00	2	Within Campus	50	5	0	0	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No

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

15	Artificial Intelligence and Machine Learning using Python	Innovation	Workshop	Institute Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	17-12-2019 00:00:00	19-12-2019 00:00:00	3	Within Campus	50	3	0	0	53	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
16	Awareness of Bharat Stage VI norms	Entrepreneurship/Start-up	Awareness	Institute Lead Activity	Mechanical Engineering	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Outside Campus	42	5	0	0	47	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
17	Awareness on Cyber security	IPR, Entrepreneurship/Start-up	Awareness	Institute Lead Activity	Mechanical Engineering	04-03-2020 00:00:00	04-03-2020 00:00:00	1	Outside Campus	32	6	0	0	38	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
18	Advanced manufacturing Technologies in Automotive Industries	IPR, Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	250	15	35	0	300	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
19	Mathematics a key technology Engineering, Science and management	IPR, Innovation	Seminar	Institute Lead Activity	Mathematics AMET Business school	19-09-2019 00:00:00	19-09-2019 00:00:00	1	Within Campus	50	10	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
20	Ship construction software its application	IPR, Innovation	Skill development	Institute Lead Activity	Nautical Science and Ocean Engineering	31-07-2019 00:00:00	31-07-2019 00:00:00	1	Within Campus	45	5	0	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
21	Role of IPR in Research and Innovation	IPR, Innovation	Seminar	Institute Lead Activity	Food Processing Technology	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	55	10	0	0	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No

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

22	RECENT ADVANCES IN ON BOARD SHIP AUTOMATION	IPR	Conference	Institute Lead Activity	ELECTRICAL AND ELECTRONICS ENGINEERING	26-09-2019 00:00:00	27-09-2019 00:00:00	2	Within Campus	200	25	45	10	280	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
23	Workshop on Intellectual Property Rights	IPR	Workshop	Institute Lead Activity	Patent Information Centre Tamilnadu state council for science and Technology	26-08-2019 00:00:00	27-08-2019 00:00:00	2	Within Campus	100	15	0	0	115	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
24	Workshop on Patent Filing	IPR	Workshop	Institute Lead Activity	Naval Architecture and Offshore Engineering	12-03-2020 00:00:00	12-03-2020 00:00:00	1	Within Campus	100	20	0	0	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
25	National Mathematics Workshop for Higher Secondary School Teachers	IPR	Workshop	Institute Lead Activity	Mathematics	21-02-2020 00:00:00	22-02-2020 00:00:00	2	Within Campus	0	3	0	30	33	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
26	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Academy of Maritime Education and Training	23-10-2019 00:00:00	25-10-2019 00:00:00	3	Within Campus	100	50	20	15	185	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4000	No
27	Workshop on Business Plan Writing	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Innovation and Incubation Centre	13-03-2020 00:00:00	13-03-2020 00:00:00	1	Within Campus	40	20	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	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
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1	Biochemistry and Therapeutics of Diabetes and Cancer Treatment	Innovation	Conference	Loyola College	Educational Institute	20-02-2020 00:00:00	20-02-2020 00:00:00	1	0	1	1	Yes	Research Scholar	Best Paper Presentation Award	No	Award / Position / Recognition Secured	Research Scholar	Title of Innovation / Start-up Secured the Award / Recognition	Best Paper Presentation Award	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
2	International Conference and Workshop Crust20	Innovation	Conference	UPES AAPG	Non-Govt. Agencies	30-01-2020 00:00:00	01-02-2020 00:00:00	3	0	1	1	Yes	1st Position in Technindite	Certificate of Merit	No	Award / Position / Recognition Secured	1st Position in Technindite	Title of Innovation / Start-up Secured the Award / Recognition	Certificate of Merit	Award/Recognition/Achievement Received for	Novel Research Paper/Work
3	Recent Trends in Plant Science and Biodiversity Conservation	Innovation	Seminar	E.S. Arts and Science College	Educational Institute	08-01-2020 00:00:00	08-01-2020 00:00:00	1	0	1	1	Yes	Second Prize	Recent Trends in Plant Science and Biodiversity Conservation	No	Award / Position / Recognition Secured	Second Prize	Title of Innovation / Start-up Secured the Award / Recognition	Recent Trends in Plant Science and Biodiversity Conservation	Award/Recognition/Achievement Received for	Novel Research Paper/Work

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

4	International Conference on Innovative Research in Science, Engineering, Technology and Management	Innovation	Conference	Sri Venkateswara Arts and Science College	Educational Institute	28-02-2020 00:00:00	28-02-2020 00:00:00	1	0	1	1	Yes	Young Researcher Award	Research in Science, Engineering, Technology and Management	No	Award / Position / Recognition Secured	Young Researcher Award
																Title of Innovation / Start-up Secured the Award / Recognition	Research in Science, Engineering Technology and Management
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
5	International Conference on Recent Advances in Material Science	Innovation	Conference	The New College	Educational Institute	21-01-2020 00:00:00	21-01-2020 00:00:00	1	0	1	1	Yes	1st Prize	Physico Chemical Properties of novel conjugated heterocyclic Compounds	No	Award / Position / Recognition Secured	1st Prize
																Title of Innovation / Start-up Secured the Award / Recognition	Physico Chemical Properties of novel conjugated heterocyclic Compounds
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
6	ESN International Conference on Multidisciplinary Research	Innovation	Conference	ESN Publications	Non-Govt. Agencies	07-02-2020 00:00:00	07-02-2020 00:00:00	1	0	1	1	Yes	Certificate of Appreciation	Energy Management System Techniques for Asynchronous Motor Driven Industrial Systems	No	Award / Position / Recognition Secured	Certificate of Appreciation
																Title of Innovation / Start-up Secured the Award / Recognition	Energy Management System Techniques for Asynchronous Motor Driven Industrial Systems
																Award/Recognition/Achievement Received for	Novel Research Paper/Work

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7	ESN International Conference on Multidisciplinary Research	Innovation	Conference	ESN Publications	Non-Govt. Agencies	07-02-2020 00:00:00	07-02-2020 00:00:00	1	0	1	1	Yes	Certificate of Appreciation	Modelling and Analysis of Distributed Static Synchronous Compensator for Voltage Mitigation in Distributed System	No	Award / Position / Recognition Secured	Certificate of Appreciation
																Title of Innovation / Start-up Secured the Award / Recognition	Modelling and Analysis of Distributed Static Synchronous Compensator for Voltage Mitigation in Distributed System
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
8	International Conference on Conservation of Natural Resources and traditional Siddha Pharmacological Approach for your future and siddha workshop	Innovation	Conference	William Research Centre	Non-Govt. Agencies	11-12-2019 00:00:00	13-12-2019 00:00:00	3	0	1	1	Yes	Eminent Young faculty Award	Ground water Depletion the plight of the Dollar Town	No	Award / Position / Recognition Secured	Eminent Young faculty Award
																Title of Innovation / Start-up Secured the Award / Recognition	Ground water Depletion the plight of the Dollar Town
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
9	Design Calculation and Installation of Power System Protection	Innovation	Workshop	Power Technologies Pvt. Ltd.	Non-Govt. Agencies	21-11-2019 00:00:00	30-11-2019 00:00:00	10	0	1	1	Yes	Honorable Achievement	Design Calculation and Installation of Power System Protection	No	Award / Position / Recognition Secured	Honorable Achievement
																Title of Innovation / Start-up Secured the Award / Recognition	Design Calculation and Installation of Power System Protection
																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

10	National Conference on Natural Sciences	Innovation	Conference	Pushkaram College of Agriculture Sciences	Educational Institute	24-08-2019 00:00:00	24-08-2019 00:00:00	1	0	1	1	Yes	Dr APJ Abdul Kalam Distinguished Fellow Award	Scientific Research and Education	No	Award / Position / Recognition Secured	Dr APJ Abdul Kalam Distinguished Fellow Award
																Title of Innovation / Start-up Secured the Award / Recognition	Scientific Research and Education
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
11	Swayam Arpit Online Course Certification	Innovation	Training	Sri Guru Tegh Bahadur Khalsa College	Educational Institute	16-02-2020 00:00:00	16-02-2020 00:00:00	1	0	1	1	Yes	A Grade	Online Refresher Course in Chemistry for Higher Education	No	Award / Position / Recognition Secured	A Grade
																Title of Innovation / Start-up Secured the Award / Recognition	Online Refresher Course in Chemistry for Higher Education
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
12	International Conference on Recent Engineering and Technology 2019	Innovation	Conference	New Horizon college of Engineering	Educational Institute	05-05-2019 00:00:00	05-05-2019 00:00:00	1	0	1	1	Yes	Best Researcher Award	High Temperature Materials	No	Award / Position / Recognition Secured	Best Researcher Award
																Title of Innovation / Start-up Secured the Award / Recognition	High Temperature Materials
																Award/Recognition/Achievement Received for	Novel Research Paper/Work

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

13	Archives of Phytopathology and Plant Protection	Innovation	Conference	Taylor and Francis Group	Non-Govt. Agencies	14-11-2019 00:00:00	14-11-2019 00:00:00	1	0	1	1	Yes	Certificate of Recognition	Archives of Phytopathology and Plant Protection	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Certificate of Recognition</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Archives of Phytopathology and Plant Protection</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Certificate of Recognition	Title of Innovation / Start-up Secured the Award / Recognition	Archives of Phytopathology and Plant Protection	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Certificate of Recognition																					
Title of Innovation / Start-up Secured the Award / Recognition	Archives of Phytopathology and Plant Protection																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
14	Microbial Bioproducts	Innovation	Conference	ABTRI Biotech Pvt. Ltd.	Non-Govt. Agencies	10-12-2019 00:00:00	10-12-2019 00:00:00	1	0	1	1	Yes	Best Research Consultant	Microbial Bioproducts	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Best Research Consultant</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Microbial Bioproducts</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Best Research Consultant	Title of Innovation / Start-up Secured the Award / Recognition	Microbial Bioproducts	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Best Research Consultant																					
Title of Innovation / Start-up Secured the Award / Recognition	Microbial Bioproducts																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
15	Short term professional internship program	Innovation	Training	Tamkang University	Educational Institute	26-12-2019 00:00:00	22-03-2020 00:00:00	88	0	1	1	No	---	---	No	No						
16	National Level Technical Symposium	Innovation	Skill development	Loyola - ICAM College of Engineering and Technology	Educational Institute	17-08-2019 00:00:00	17-08-2019 00:00:00	1	0	1	1	Yes	Judge	Storm 2K19	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Judge</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Storm 2K19</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Judge	Title of Innovation / Start-up Secured the Award / Recognition	Storm 2K19	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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17	International Conference on Conservation of Natural Resources and traditional Siddha Pharmacological Approach for your future and siddha workshop	Innovation	Conference	William Research Centre	Non-Govt. Agencies	11-12-2019 00:00:00	13-12-2019 00:00:00	3	0	1	1	Yes	Best Director Award	Rural Urban Migration Retaining Youth for Sustainable Agriculture	No	Award / Position / Recognition Secured	Best Director Award
																Title of Innovation / Start-up Secured the Award / Recognition	Rural Urban Migration Retaining Youth for Sustainable Agriculture
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
18	International Conference on Digital Transformation for Sustainable Development	Innovation	Conference	University of Madras	Educational Institute	10-10-2019 00:00:00	10-10-2019 00:00:00	1	0	1	1	Yes	1st	Digital Trends for Sustainable Development in Shipping Industry	No	Award / Position / Recognition Secured	1st
																Title of Innovation / Start-up Secured the Award / Recognition	Digital Trends for Sustainable Development in Shipping Industry
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
19	International Conference on Conservation of Natural Resources and traditional Siddha Pharmacological Approach for your future and siddha workshop	Innovation	Conference	William Research Centre	Non-Govt. Agencies	11-12-2019 00:00:00	13-12-2019 00:00:00	3	0	1	1	Yes	Eminent Senior faculty award in Management Studies	A Study on Producer for Clearance of Import and Export of Goods in Chennai	No	Award / Position / Recognition Secured	Eminent Senior faculty award in Management Studies
																Title of Innovation / Start-up Secured the Award / Recognition	A Study on Producer for Clearance of Import and Export of Goods in Chennai
																Award/Recognition/Achievement Received for	Novel Research Paper/Work

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

20	National Conference on Emerging in Business Management Divergent Perspectives and Dimensions	Innovation	Conference	SRM (Deemed to be University)	Educational Institute	09-08-2019 00:00:00	09-08-2019 00:00:00	1	0	1	1	Yes	Panel Chair	National Conference on Emerging in Business Management Divergent Perspectives and Dimensions	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Panel Chair</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>National Conference on Emerging in Business Management Divergent Perspectives and Dimensions</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	Panel Chair	Title of Innovation / Start-up Secured the Award / Recognition	National Conference on Emerging in Business Management Divergent Perspectives and Dimensions	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	Panel Chair																					
Title of Innovation / Start-up Secured the Award / Recognition	National Conference on Emerging in Business Management Divergent Perspectives and Dimensions																					
Award/Recognition/Achievement Received for	Novel Research Paper/Work																					
21	National Seminar on New Vistas in Food Processing in Augmenting Entrepreneurship	Innovation	Seminar	Seethalakshmi Ramaswami College	Educational Institute	31-01-2020 00:00:00	31-01-2020 00:00:00	1	0	1	1	Yes	2nd Place	Poster Presentation	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>2nd Place</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Poster Presentation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	2nd Place	Title of Innovation / Start-up Secured the Award / Recognition	Poster Presentation	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	2nd Place																					
Title of Innovation / Start-up Secured the Award / Recognition	Poster Presentation																					
Award/Recognition/Achievement Received for	Novel Research Paper/Work																					
22	A National Seminar on E-commerce and Digital Strategies Where AI meets Business	Innovation	Awareness	Indian Maritime University, Chennai	Educational Institute	27-02-2020 00:00:00	27-02-2020 00:00:00	1	5	0	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

23	Panel Discussion on Blue Economy and Challenges to overcome and Recent changes of private International Law in Context of Maritime Law	Innovation	Awareness	The Institute of Chartered Shipbrokers	International Agencies	14-12-2019 00:00:00	14-12-2019 00:00:00	1	10	1	11	No	---	---	No	No
24	Proof of Concept - POC orientation session	Entrepreneurship/Startup	Seminar	Veltech Engineering College, Chennai	Educational Institute	31-07-2019 00:00:00	31-07-2019 00:00:00	1	2	0	2	No	---	---	No	No
25	Workshop on IIC 2.0 and ARIIA 2020	Entrepreneurship/Startup	Workshop	Institution Innovation Council at Veltech Engineering College, Chennai	Educational Institute	31-07-2019 00:00:00	31-07-2019 00:00:00	1	2	1	3	No	---	---	No	No
26	Funding Opportunities for Biotech Innovators Program	Entrepreneurship/Startup	Workshop	IITM Research Park, Taramani	Educational Institute	19-10-2019 00:00:00	19-10-2019 00:00:00	1	4	0	4	No	---	---	No	No
27	SMU Lee Kuan Yew Global Business Plan Competition (SMU LKYGBP C) ROADSHOW	Entrepreneurship/Startup	Road Show	Greatlakes Institute of Management, Chennai and IIT madras	Educational Institute	24-10-2019 00:00:00	24-10-2019 00:00:00	1	28	1	29	No	---	---	No	No
28	Indian technology innovation and entrepreneurship conclave	Entrepreneurship/Startup	Conference	Reva University	Educational Institute	03-01-2020 00:00:00	04-01-2020 00:00:00	2	1	1	2	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

29	Innovation Ambassador Training on Entrepreneurship Development	Entrepreneurship/Startup	Workshop	Institution Innovation Council at RMK Engineering College,	Educational Institute	08-01-2020 00:00:00	09-01-2020 00:00:00	2	0	4	4	No	---	---	No	No	
30	What After College Program	Entrepreneurship/Startup	Workshop	IITM Research Park	Educational Institute	01-02-2020 00:00:00	02-02-2020 00:00:00	2	3	0	3	No	---	---	No	No	
31	STARTUP ULA	Entrepreneurship/Startup	Exposure visit	EDII	Govt. Agency (State)	06-02-2020 00:00:00	09-02-2020 00:00:00	4	2	1	3	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees) 3000		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	Oceanography and marine Bioresources	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	50	60
2	Cell and Developmental Biology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
3	Marine Microbiology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
4	Biochemistry and Molecular Biology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
5	Immunology and Biomedical sciences	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	50	45
6	Genetics and Genetic Engineering	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
7	Molecular Techniques and Diagnostic	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
8	Marine Pharmaceuticals and Cosmeceutics	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
9	Aquaculture and Marine Food Technology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	7	45

10	Bio safety Bioethics and IPR	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	7	45
11	Marine environmental biotechnology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	7	45
12	Entrepreneurship in Marine Biotechnology	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	7	45
13	Biostatistics Bioinformatics and Nanobiotechnology	Innovation	Elective/Core Credit Course	Master	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	7	45
14	Introduction to Shipping Business	Innovation	Elective/Core Credit Course	Bachelor	Shipping	08-07-2019	15-11-2019	131	Offline	74	45
15	Marketing Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	74	45
16	Business Economics	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	74	45
17	Information Technology for Business	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
18	Business Accounting	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	74	60
19	International Trade	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	74	45
20	Human Resource Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	74	45
21	Foreign Exchange Markets	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	74	45
22	Financial Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	118	45
23	Retail Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	118	45
24	Liner Trade	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	118	45
25	Marine Insurance	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	118	45
26	Supply Chain Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	118	45
27	Sales and Distribution Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	118	45
28	Business Law	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	50	45
29	Warehouse and Inventory Management	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
30	Chartering Principles	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
31	Export and Import Trade	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45

32	Legal Aspects of Shipping	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
33	Research Methods	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
34	Port Agency Operations	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
35	Entrepreneurship Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	50	45
36	Enterprise Resource Planning	Innovation	Elective/Core Credit Course	Bachelor	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	50	45
37	Financial Accounting I	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	13	45
38	Business Economics	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	13	45
39	Introduction to Information Technology	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	13	50
40	Introduction to Shipping Business	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	13	60
41	Financial Accounting II	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	13	60
42	Supply Chain Management	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	13	60
43	Business Statistics	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	13	60
44	Cost and Management Accounting	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	60
45	Banking and Financial Institutions	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	45
46	Multimodal Transportation And Logistics Planning	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	45
47	Purchase management	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	45
48	Business Law	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	45
49	Business Accounting	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	21	60
50	Financial Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	21	45
51	Stores and Inventory Management	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	21	45
52	Research Methodology	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	02-01-2020	29-05-2020	149	Offline	21	45
53	Practical Explorer in Accounting	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	45	45
54	Entrepreneurship Development	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	45	45

55	Port Management	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	45	45
56	Liner Trade Operations	Innovation	Elective/Core Credit Course	Bachelor	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	45	45
57	Engineering Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	30	60
58	Electric Circuit Analysis	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	24	45
59	Electron Devices and Circuits	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	24	45
60	Electromagnetic Theory	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	24	45
61	Analog Integrated Circuits	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	24	45
62	Electrical Machines II	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	24	45
63	Digital System Design	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	24	45
64	Transmission and Distribution	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	24	45
65	Thermodynamics	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	24	45
66	Professional Ethics and Human Values	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	47	45
67	Microprocessors and Microcontrollers	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	47	45
68	Marine Electrical Technology	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	47	45
69	Control Systems	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	47	45
70	Power Electronics	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	47	45
71	Power System Analysis	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	47	45
72	Digital Signal Processing	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	47	45
73	Power System Protection and Switchgear	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	29	45

74	Solid State Drives	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	29	45
75	Marine Control Engineering and Automation	Innovation	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	29	45
76	Food and Nutrition	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	7	45
77	Food microbiology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	7	45
78	Food Chemistry	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	7	45
79	Unit operation in food processing	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	7	45
80	Principles of Food Processing and preservation Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	7	45
81	Engineering Properties of Food	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	7	45
82	Biology for Engineers	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	12	45
83	Post Harvest Technology of Fruits and Vegetables	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	12	45
84	Introduction to Object Oriented Program	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	12	45
85	Refrigeration and cold chain management	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	12	45
86	Cereals Pulses and oilseed processing Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	12	45
87	Dairy Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	12	45
88	Food Additives	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	23	45
89	Bakery and Confectionery Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	23	45
90	Food Packaging Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	23	45
91	Fruits and Vegetables Processing Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	23	45

92	Sugar Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	12	45
93	Food Fermentation Technology	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	23	45
94	Total Quality Management in Food Industries	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	23	45
95	Food plant design and layout	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	23	45
96	Traditional Foods and Processing Technologies	Innovation	Elective/Core Credit Course	Bachelor	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	23	45
97	Thermal Engineering	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	231	45
98	Safety Emergency Measures and Practices I	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	231	45
99	Electrical Machines	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	231	45
100	Integrated Circuit	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	147	45
101	Strength of Materials	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	147	45
102	Basic Ship Structure	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	231	45
103	Material Science and Metallurgy	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
104	Fuel and Lubrication Technology	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
105	Marine Boilers and Steam Engineering	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
106	Marine Electrical Technology I	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
107	Micro Processor and Micro Controller	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
108	Pumps and Pumping System	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
109	Marine Electrical Measurements	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	231	45
110	Ship Fire Prevention and Control	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
111	Marine Auxiliary Machinery I	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
112	Marine Engineering Equipment Drawing	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
113	Marine Internal Combustion Engines I	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45

114	Ship Construction	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
115	Pumps and Pumping System II	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
116	Safety Emergency Measures and Practices II	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	247	45
117	Marine Environmental Protection	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	247	45
118	Marine Internal Combustion Engines II	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	247	45
119	Power Electronics High Voltage and Electrical Propulsion System	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	247	45
120	Safety Emergency Measures and Practices II	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	247	45
121	Naval Architecture I	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	247	45
122	Marine Control Engineering and Automation	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	30	45
123	Shipboard Leadership and Management	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	08-07-2019	15-11-2019	131	Offline	30	45
124	Marine Engineering Equipment Drawing II	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	30	45
125	Safety Emergency Measures and Practices IV	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	30	45
126	Mechanics of Machines	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	30	45
127	Instrumentation and Control	Innovation	Elective/Core Credit Course	Bachelor	Marine Engineering	02-01-2020	29-05-2020	149	Offline	30	45
128	Global Maritime Business	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	67	45
129	Accounting and Financial Management	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	67	60
130	Quantitative Techniques for Business	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	67	60
131	Maritime Economics	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
132	Shipping and Logistics Management	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	67	60
133	Computer Applications for Business	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	67	60
134	Chartering and Commercial Geography	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60

135	Liner Shipping Business	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60
136	Port Operations and Pricing	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60
137	Logistics and Supply Chain Management	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60
138	Marketing Management	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60
139	Research Methodology	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	60
140	Indian Ethos Ethics and Policy	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	02-01-2020	29-05-2020	149	Offline	67	45
141	Maritime Law and Customs Procedures	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
142	Multimodal Transportation and Port Agency	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
143	Export and Import Management	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
144	International Marketing	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
145	Sales and Retail Management	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
146	Project Appraisal and Finance	Innovation	Elective/Core Credit Course	Master	Shipping and Logistics Management	08-07-2019	15-11-2019	131	Offline	50	60
147	Elements of Marine Structures	Innovation	Elective/Core Credit Course	Master	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	13	45
148	Applied Hydrodynamics	Innovation	Elective/Core Credit Course	Master	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	13	60
149	Research Methodology and IPR	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	13	60

150	Marine Design	Innovation	Elective/Core Credit Course	Master	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	13	45
151	Strength of Ocean Structures	Innovation	Elective/Core Credit Course	Master	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	13	45
152	Fluid Mechanics and Machines	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	71	60
153	Engineering Materials and Metallurgy	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	71	45
154	Electrical Drives and Control	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	71	45
155	Biology for Engineers	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	71	45
156	Thermal Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	71	60
157	Strength of Materials	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	71	60
158	Manufacturing Technology	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	71	60
159	Design of Machine Elements	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	69	45
160	Mechatronics	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	69	45
161	Refrigeration and Air Conditioning	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	69	45
162	Computer Integrated Manufacturing	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	69	60
163	Heat and Mass Transfer	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	60	60
164	Automobile Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	60	45
165	Renewable Energy Source	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	69	45
166	Power Plant Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	69	45
167	Design of Transmission system	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	69	60
168	Operation Research	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	69	45
169	Fuels and combustion	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	60	45
170	Process Planning and Cost Estimation	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	60	45

171	Advanced IC engines	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	60	45
172	Product Design for Manufacturing	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	60	45
173	Fuels and Lubrication technology	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	71	45
174	Pump and Pumping systems	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	15-11-2019	131	Offline	69	45
175	Non Destructive testing	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	69	45
176	Industrial Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mechanical Engineering	02-01-2020	29-05-2020	149	Offline	60	45
177	Advanced Thermodynamics	Innovation	Elective/Core Credit Course	Master	Thermal and Fluid Engineering	08-07-2019	15-11-2019	131	Offline	10	60
178	Advanced Fluid Mechanics	Innovation	Elective/Core Credit Course	Master	Thermal and Fluid Engineering	08-07-2019	15-11-2019	131	Offline	10	45
179	Research Methodology and IPR	Innovation	Elective/Core Credit Course	Master	Thermal and Fluid Engineering	08-07-2019	15-11-2019	131	Offline	10	60
180	Boundary layer theory and turbulence	Innovation	Elective/Core Credit Course	Master	Thermal and Fluid Engineering	02-01-2020	29-05-2020	149	Offline	10	45
181	Refrigeration machinery and Components	Innovation	Elective/Core Credit Course	Master	Thermal and Fluid Engineering	02-01-2020	29-05-2020	149	Offline	10	45
182	Mining Geology	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
183	Mine Surveying	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
184	Introduction to Mining Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
185	Fluid Mechanics	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
186	Basic Electronics Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
187	Rock Mechanics I	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	27	60
188	Material Science	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	27	45
189	Drilling and Blasting	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	27	60
190	Underground Metal Mining	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	37	60
191	Surface Mining	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	37	45
192	Underground Coal Mining	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	37	60

193	Mining Machinery I	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	37	60
194	Mine Environmental and Ventilation Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	37	60
195	Mine Planning and Design	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	37	60
196	Mine Legislation and Safety	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	30	45
197	Mine Hazard and Rescue	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	30	45
198	Mineral Resources of India	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	27	45
199	Advanced Mining Geology	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	37	45
200	Advanced Surface Mining	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	37	45
201	Underground Coal Gasification	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	08-07-2019	15-11-2019	131	Offline	30	45
202	Mine Safety Engineering	Innovation	Elective/Core Credit Course	Bachelor	Mining Engineering	02-01-2020	29-05-2020	149	Offline	30	45
203	Introduction to Naval Architecture	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
204	Marine Materials and Welding Technology	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
205	Marine Hydrodynamics	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
206	Strength of Materials	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
207	Thermodynamics and Marine Machinery	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45
208	Marine Production Technology	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45

209	Elements of Offshore Engineering	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45
210	Theory of Ships	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45
211	Ethics and Values	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45
212	Biology for Engineers	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	72	45
213	Strength of Ships	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	72	45
214	Ship Resistance and Propulsion	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	72	45
215	Object Oriented Programming	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	72	45
216	Design of Offshore Structures	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	01-01-2020	29-05-2020	150	Offline	72	45
217	Ship Motion and Control	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	72	45
218	Ship Design	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	72	45
219	Advanced Ship Technology	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45

220	Marine Corrosion and Control	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Online	50	45
221	Computer Aided Structural Design	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
222	Guidance and Control of Marine Vehicles	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
223	Fluid Structure Interaction	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	72	45
224	Fishing Vessel Technology	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	72	45
225	Wave Mechanics	Innovation	Elective/Core Credit Course	Bachelor	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	72	45
226	Ship Construction I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	277	45
227	Ship Operation Technology I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	277	45
228	Cargo Handling and Stowage I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	277	45
229	Bridge Equipment and Bridge Resource Management I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	277	45
230	Ship Construction II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	277	45
231	Bridge Equipment and Bridge Resource Management II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45
232	Ship Stability I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45
233	Ship Operation Technology II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45
234	Cargo Handling and Stowage II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45
235	International Conventions	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45

236	Marine Engineer Automation Control System I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	307	45
237	Bridge Equipment and Bridge Resource Management III	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
238	Ship Stability II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
239	Ship Operation Technology III	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
240	Cargo Handling And Stowage III	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
241	Meteorology I	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
242	Marine Law and Insurance	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	307	45
243	Bridge Equipment and Bridge Resource Management IV	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
244	Ship Stability III	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
245	Ship Operation Technology IV	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
246	Cargo Handling and Stowage IV	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
247	Meteorology II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
248	Navigation IV	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
249	International Convention II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
250	Satellite Communication	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
251	Marine and Maritime Employment	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
252	Maritime Commerce	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	50
253	Bridge Equipment and Bridge Resource Management V	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
254	Ship Operation Technology V	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
255	Cargo Handling And Stowage V	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	08-07-2019	15-11-2019	131	Offline	200	45
256	Maritime Management	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
257	Ship Stability IV	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45

258	Marine Environmental Protection and Environmental Studies	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
259	Marine Engineer Automatic Control Systems II	Innovation	Elective/Core Credit Course	Bachelor	NAUTICAL SCIENCE	02-01-2020	29-05-2020	149	Offline	200	45
260	Petroleum Geology	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	20	45
261	Principles of Petroleum Engineering	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	20	45
262	Fluid Mechanics for Reservoir Fluids	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	20	45
263	Petroleum Geophysics	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	20	45
264	Basic Electronics Engineering	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	20	45
265	Drilling Operations and Equipment	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	20	45
266	Drilling Fluids and Cementation	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	20	45
267	Reservoir Engineering I	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	20	45
268	Petroleum Engineering Thermodynamics	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	20	45
269	Professional Ethics and Human Values	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	20	45
270	Enhanced oil Recovery	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	49	45
271	Production Operation and Equipment	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	49	45
272	Reservoir Engineering II	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	49	45
273	Heat and Mass Transfer	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	49	45
274	Well Control Methods	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	49	45
275	Well Design and Completion	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	49	45
276	Formation Evaluation	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	49	45
277	Well Completion Techniques	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	49	45
278	Natural Gas Engineering	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	02-01-2020	29-05-2020	149	Offline	49	45
279	Offshore Drilling Technology	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	30	45
280	Petroleum Economics	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	30	45

281	Unconventional Oil and Gas Resources	Innovation	Elective/Core Credit Course	Bachelor	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	30	45
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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	Career Orientation Skills (Luminous Club)	Entrepreneurship/Startup	Employment Generation Training Programs	Marine Engineering	08-07-2019	15-11-2019	131	Offline	50	45
2	Communication Skills-I	Entrepreneurship/Startup	Employment Generation Training Programs	Marine Engineering	08-07-2019	15-11-2019	131	Offline	50	45
3	Genetic Engineering Molecular Techniques and Diagnostics	Innovation	Employment Generation Training Programs	Marine Engineering	08-07-2019	15-11-2019	131	Offline	50	45
4	Marine Pharmaceutics and Cosmeceutics Marine Bioprocess Technology	Innovation	Employment Generation Training Programs	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	50	45
5	Aquaculture and Marine Food Technology	Innovation	Employment Generation Training Programs	Marine Technology	08-07-2019	15-11-2019	131	Offline	50	45
6	Environmental Biotechnology Bioinformatics and Biostatistics	Innovation	Employment Generation Training Programs	Marine Biotechnology	08-07-2019	15-11-2019	131	Offline	9	45
7	Career Orientation Skills (Luminous Club)	Entrepreneurship/Startup	Employment Generation Training Programs	Marine Technology	08-07-2019	15-11-2019	131	Offline	50	45
8	Interpersonal communication	Entrepreneurship/Startup	Employment Generation Training Programs	BBA (Shipping)	08-07-2019	15-11-2019	131	Offline	50	45
9	Professional communication	Entrepreneurship/Startup	Employment Generation Training Programs	BBA (Shipping)	02-01-2020	29-05-2020	149	Offline	50	45
10	Database Management System	Innovation	Employment Generation Training Programs	Maritime Commerce	08-07-2019	15-11-2019	131	Offline	21	45
11	Induction program	Innovation	Employment Generation Training Programs	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	29	45
12	Professional Development Program I	Innovation	Employment Generation Training Programs	Electrical and Electronics Engineering	02-01-2020	29-05-2020	149	Offline	30	45
13	Professional Development Programme II	Innovation	Employment Generation Training Programs	Electrical and Electronics Engineering	08-07-2019	15-11-2019	131	Offline	30	45
14	Value Added Training Program I	Innovation	Employment Generation Training Programs	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	30	45
15	Interpersonal Communication	Entrepreneurship/Startup	Employment Generation Training Programs	Food Processing Technology	08-07-2019	15-11-2019	131	Offline	30	45

16	Value Added Training Program II	Innovation	Employment Generation Training Programs	Food Processing Technology	02-01-2020	29-05-2020	149	Offline	12	45
17	Basic Fire Fighting	Innovation	Employment Generation Training Programs	Marine Engineering	08-07-2019	15-11-2019	131	Offline	147	45
18	Internal Combustion Engine	Innovation	Employment Generation Training Programs	Marine Engineering	02-01-2020	29-05-2020	149	Offline	147	45
19	IMO and International Convention	Innovation	Employment Generation Training Programs	Marine Engineering	08-07-2019	15-11-2019	131	Offline	147	45
20	Pneumatics Hydraulics and Electrical Control System	Innovation	Employment Generation Training Programs	Marine Engineering	02-01-2020	29-05-2020	149	Offline	147	45
21	Marine CAD and CAE	Innovation	Employment Generation Training Programs	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	60
22	Mining Geology	Innovation	Employment Generation Training Programs	Mining Engineering	08-07-2019	15-11-2019	131	Offline	50	45
23	Ship Drawing	Innovation	Employment Generation Training Programs	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	08-07-2019	15-11-2019	131	Offline	50	45
24	Hydrostatics and Stability	Innovation	Employment Generation Training Programs	NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	02-01-2020	29-05-2020	149	Offline	50	45
25	Petroleum Geology	Innovation	Employment Generation Training Programs	Petroleum Engineering	08-07-2019	15-11-2019	131	Offline	19	45

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. V. Leela Vinothan	Department of Mechanical 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
	IIC Innovation Ambassador Training Series	Innovation	Short term Certificate	Institution's Innovation Council of MHRD's Innovation Cell, AICTE	Govt. Agency (Central)	08-01-2020 00:00:00	09-01-2020 00:00:00	2	Offline
2	Dr. Annie Sam	AMET Business School	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
	IIC Innovation Ambassador Training Series	Entrepreneurship/Startup	Short term Certificate	-	Govt. Agency (Central)	08-01-2020 00:00:00	09-01-2020 00:00:00	2	Offline

3	Dr. Anitha R. Warriar		Department of Physics		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	
	IIC Innovation Ambassador Training Series	IPR	Short term Certificate	-	Govt. Agency (Central)	08-01-2020 00:00:00	09-01-2020 00:00:00	2	Offline	
4	Mr. R. Vasanthkumar		Innovation and Incubation Centre		Coordinator		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	
	IIC Innovation Ambassador Training Series	IPR	Short term Certificate	Institution's Innovation Council of MHRD's Innovation Cell, AICTE	Govt. Agency (Central)	08-01-2020 00:00:00	09-01-2020 00:00:00	2	Offline	

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	Entrepreneurship Development Cell	Idea Club	2014	Work Stations	Incubation Unit	1	Henry Jeba Sam	henryjabessam@gmail.com	8939107785

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	AMET - Innovation and Incubation Centre	Innovation Centre	2018	Work Stations	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Annie Sam</td> </tr> <tr> <td>Facility Incharge Email</td> <td>anniesam@ametuni.v.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9176666047</td> </tr> </table>	Facility Incharge Name	Dr. Annie Sam	Facility Incharge Email	anniesam@ametuni.v.ac.in	Facility Incharge Phone	9176666047	15	No	No	No
Facility Incharge Name	Dr. Annie Sam																
Facility Incharge Email	anniesam@ametuni.v.ac.in																
Facility Incharge Phone	9176666047																

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	Facility Details	Total Nos of Dedicated Executive/Management team Strength	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the	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)

				(Optional)		Engaged at the Facility	Financial Year 2019-20?								
1	On Board Ship Automation	2008	IPR Cell/Technology Transfer Centre		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. V.Karthikeyan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>karthikeyan.v@amettuniv.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9840633024</td> </tr> </table>	Facility Incharge Name	Dr. V.Karthikeyan	Facility Incharge Email	karthikeyan.v@amettuniv.ac.in	Facility Incharge Phone	9840633024	24	Yes	No	Yes
Facility Incharge Name	Dr. V.Karthikeyan														
Facility Incharge Email	karthikeyan.v@amettuniv.ac.in														
Facility Incharge Phone	9840633024														
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)									
-		-		-		0									

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	Intellectual Property Rights Cell	2015	Incubation Unit, Centre of Excellence with Advance Tools		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. D. Rajasekar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rajasekar.d@amettuniv.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9597757989</td> </tr> </table>	Facility Incharge Name	Dr. D. Rajasekar	Facility Incharge Email	rajasekar.d@amettuniv.ac.in	Facility Incharge Phone	9597757989	3	Yes	No	No
Facility Incharge Name	Dr. D. Rajasekar														
Facility Incharge Email	rajasekar.d@amettuniv.ac.in														
Facility Incharge Phone	9597757989														

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr. V. Leela Vinothan	Associate Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Design Thinking and Innovations		Within	
2	Dr. Annie Sam	Associate Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Entrepreneurship and start up mentoring		Within	
3	Dr. Anitha R. Warriar	Associate Professor	IPR Protection & Commercialization	9
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Intellectual Property Rights and Technology Transfer		Within	
4	Mr. R. Vasanthkumar	Coordinator	Entrepreneurship/Startup Development	1
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Pre Incubation and Incubation Management		Within	
5	Dr.B.M.Shameem	Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	CFD ANALYSIS ON PLATE FOR ESTIMATING THE FRICTIONAL RESISTANCE WITH VARIOUS ANTIFOULING COATINGS		Within	
6	Mr. Ramanathan	Assistant Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	MODIFICATION OF CATALYTIC CONVERTER OF VEHICLES TO CONTROL EMISSION		Within	
7	Mr. S. Venkata Ganesh	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Fire sprinkler system		Within	
8	Mr. S. Venkata Ganesh	Assistant Professor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Fire fighting Robot		Within	
9	Mr. Vincent	Assistant Professor	Idea/Innovation Development	5

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Variable speed Motor & Control unit	Within	
10	Mr. R. Rajendra Prasad	Assistant Professor	Idea/Innovation Development
	Mr. R. Rajendra Prasad	Assistant Professor	Idea/Innovation Development
	PIEZO ELECTRIC POWER PRODUCTION FROM FOOT STEP	Within	
11	Dr. John wyson	Associate Professor	Idea/Innovation Development
	Dr. John wyson	Associate Professor	Idea/Innovation Development
	Effects of weaning biscuits on the nutritional profile and the cognitive development in preschool children	Within	
12	Mr. Ramanathan	Assistant Professor	Idea/Innovation Development
	Mr. Ramanathan	Assistant Professor	Idea/Innovation Development
	Modification of catalytic converter	Within	

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	Dr. Karthick Ramachandran	Idea/Innovation Development	Unstructured Mentorship
2	Dr. Sivanandhi Rajadurai	Idea/Innovation Development	Unstructured Mentorship
3	Dr. Sashi Bala Prasad	Entrepreneurship/Startup Development	Unstructured Mentorship

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
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1	Modification of Catalytic Converter of Vehicles to Control Emission	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 2 : Technology formulation Concept and application have been formulated.	TRL 2 : Technology formulation Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 294000	No	No
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Name	Type	Gender	Email	Contact
Athira Unnikrishnan	Faculty and Student	Female	unnikrishnanathira099@gmail.com	8281278227

2	Fire fighting Robot	Product Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 17000	No	No
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Name	Type	Gender	Email	Contact
Mr.Venkataganesh	Faculty	Male	venk_ans20289@ametuniv.ac.in	9884069599

3	Variable speed Motor & Control unit	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 2 : Technology formulation Concept and application have been formulated.	TRL 2 : Technology formulation Concept and application have been formulated.	Innovation Development Completed	No	No	Grant Amount in Rs 24000	No	No
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Name	Type	Gender	Email	Contact
Mr. Vincent	Faculty	Male	vincent01@ametuniv.ac.in	9597757989

4	Prediction of Frictional Resistance of antifouling coating and bio fouling conditions for a tanker vessel using CFD	Process Innovation	Technological	Academy of Maritime Education and Training	Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 20000	No	No
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Name	Type	Gender	Email	Contact
Dr.B.M.Shammem	Faculty	Male	shameem.bm@ametuniv.ac.in	9840290907

5	Studies on the Effect of Azolla on Cee and physico chemical property analysis of graphite added saline soil	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs 15000	No	No
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Name	Type	Gender	Email	Contact
Dr. A. Mohamed Haroon Basha	Faculty	Male	harunbasha09@ametuniv.ac.in	9716474411

6	Visible light Driven Photocatalysis of Textile Dyed using Indium Sulphide Quantum-Metal nano particles Embedded in Nafion Membrane	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 25000	No	No
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Name	Type	Gender	Email	Contact
Dr. Anitha R. Warriar	Faculty	Female	anitawarrier@ametuniv.ac.in	9176432161

7	Modeling of nonlinear convection-diffusion process in hydrodynamic electrodes	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 25000	No	No
Name		Type			Gender		Email			Contact			
Dr. L. Rajendran		Faculty			Male		rajendran.p@ametuniv.ac.in			9597757898			
8	Non Destructive Evaluation of irradiated steel samples	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 40000	No	No
Name		Type			Gender		Email			Contact			
Dr. Anitha R. Warriar		Faculty			Female		anitawarrier@ametuniv.ac.in			9176432161			
9	Marine Frequency converter based renewable energy system in onboard ship	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 45000	No	No

Name		Type				Gender		Email		Contact			
Dr. T. Sasilatha		Faculty				Female		deaneem@ametuniv.ac.in		9444752994			
10	Self-generation of methanol for biodiesel production by Visible light photoreduction of CO2 using quantum dot-core shell nanostructures.	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 40000	No	No
Name		Type				Gender		Email		Contact			
Dr.Anitha R. Warriar		Faculty				Female		anitawarrier@ametuniv.ac.in		9176432161			
11	Up Scaling Marine Fish Seed Production Using Copepod Live Feed	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 35000	No	No
Name		Type				Gender		Email		Contact			
Dr. K.Altaff		Faculty				Male		altaff.k@ametuniv.ac.in		9444108110			
Name		Type				Gender		Email		Contact			
Dr. M.Jayaprakashvel		Faculty				Male		registrar@ametuniv.ac.in		9840529274			

12	Numerical modeling on hydrodynamic stability analysis of tidal inlet	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 20000	No	No
Name		Type			Gender		Email			Contact			
Dr. K . Thiruvenkatasamy		Faculty			Male		thiruvenkatasamy.k@ametuniv.ac.in			9600132904			
Name		Type			Gender		Email			Contact			
Dr. M.Jayaprakashvel		Faculty			Male		registrar@ametuniv.ac.in			80716058715			
13	An Ecofriendly Technology For the Enhancement of Rheological and Filtration Properties of Water Based Drilling Mud	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 15000	No	No
Name		Type			Gender		Email			Contact			
Dr. S. Ponmani		Faculty			Female		ponmani@ametuniv.ac.in			8939416548			

14	Visible light Photocatalysis assisted ballast water treatment and management against marine bio invasion	Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 20000	No	No
Name		Type			Gender		Email			Contact			
Dr. K. Komathy		Faculty			Female		ithod@ametuniv.ac.in			9444920481			
Name		Type			Gender		Email			Contact			
Dr. Anitha R. Warriar		Faculty			Female		anitawarrier@ametuniv.ac.in			9176432161			
15	Fabrication and joining of insitu Aluminium based Hybrid metal matrix composites by friction processes	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 30000	No	No
Name		Type			Gender		Email			Contact			
Dr. K. Umanath		Faculty			Male		umanath.k@ametuniv.ac.in			9840403231			
16	Lighting of IT parks with sunlight	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 20000	No	No

		Name				Type				Gender		Email		Contact
		Mr. Sriram Surath				Student				Male		sriramsurathkumar@gmail.com		8939363479
17	Man overboard monitoring system	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 2 : Technology formulation - Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Dropped	No	No	Grant Amount in Rs 30000		No	No
			Name				Type				Gender		Email	
		Mr. Shijith Varghesse				Student				Male		shijithvargheese@gmail.com		9697878678
18	Women safety band	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 2 : Technology formulation - Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	Grant Amount in Rs 25000		No	No
			Name				Type				Gender		Email	
		Mr. Vikram Selvaganesh				Student				Male		vikramselvagnesh@gmail.com		9715474432
19	Digital control for MPPT voltage regulation of partial shaded PV module	Process Innovation	Technological	Academy of Maritime Education and Training	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 30000		No	No
			Name				Type				Gender		Email	

		Name				Type				Gender		Email		Contact
		Ganesh Babu.K				Student				Male		ganeshbabu29101998@gmail.com		8870484863
20	Automated solar panel cleaning system	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs	10000	No	No
			Name				Type				Gender		Email	
		Surya.A				Student				Male		suryaathavan1@gmail.com		9489190556
21	A new half bridge Impedance Source Converter with high Voltage Gain	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs	25000	No	No
			Name				Type				Gender		Email	
		Joel Robinson				Student				Male		joelrobinson0423@gmail.com		9895897463

22	Smart Helmet	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 20000	No	No
Name					Type			Gender		Email		Contact	
Sreerag Sreekumar					Student			Male		sreeragamannur@gmail.com		7907388098	
23	SEPIC Converter Based Electric Vehicle using BLDC Motor	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 30000	No	No
Name					Type			Gender		Email		Contact	
Sri Ram SurathKumar V					Student			Male		Surathsriram@gmail.com		8790753272	
24	UPF Rectifier for PMSG Based Wind Energy Conversion System	Product Innovation, Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No	No

Name		Type				Gender		Email		Contact		
Venketesh.S		Student				Male		venkybluefire000@gmail.com		9788314267		
25	Expeditious Identification of Earth fault on Ship	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	Grant Amount in Rs 25000	No
Name		Type				Gender		Email		Contact		
Snahasish. Saha		Student				Female		snahasish07globe@gmail.com		8240766033		
26	Speed Control of Induction motor using Fuzzy and Internet of Things	Process Innovation	Technological	Academy of Maritime Education and Training	Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 30000	No
Name		Type				Gender		Email		Contact		
Azarutheen.S		Student				Male		azarriyas20@gmail.com		8778916474		

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs 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 Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation of HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/Incubation or institute during the financial period 2019-20	Has the Startup Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Cognatio Techno Solutions Pvt Ltd	Process Innovation	Non-Technological	1145	Staff	Venture with Corporate Identification Number (CIN) Registration U74999TN2016PTC110008	2015-16	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
U74999TN2016PTC110008		07483085		Incubatee Entrepreneur		Male		arviirm@yahoo.com		9500025646			
2	ARAN CYBER SECURITY SOLUTIONS (OPC) PRIVATE LIMITED	Process Innovation	Non-Technological	1145	Staff	Venture with Corporate Identification Number (CIN) Registration U72900TN2018OPC125699	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact			
Mr. ARAN GLENN		08275193		Incubatee Entrepreneur		Male		aranglenn000@gmail.com		9444494918			

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
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1	VI Microsystems Pvt. Ltd.	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	30	07-04-2019
2	TVS Training and Services Limited	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	50	31-08-2019
3	Signals Systems (India) Pvt Ltd.	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Networking	30	12-11-2019

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	A METHOD AND AN IOT SYSTEM FOR OPERATING ILLUMINATION CONTROL AND FAULT DETECTION OF THE STREET LIGHT	202041003504	National	2020 - 02	Uploaded
2	A SMART SUITE FOR ASSISSTING THE PREGNANT WOMEN	202041008057	National	2020 - 03	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

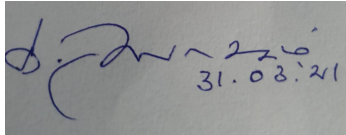
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. G.Thiruvassagam (Head of Institute) and Dr. T. SASILATHA (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

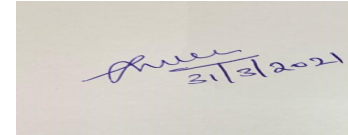
Thank you

The Head of Institute



Dr. G.Thiruvassagam
Head of the Institution,
Kancheepuram, Tamil Nadu

Nodal officer



Dr. T. SASILATHA
Nodal Officer,
Kancheepuram, Tamil Nadu