



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College [ARI-C-16616]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Institute Innovation Centre	Pre-incubation unit	Multidisciplinary streams	At all level	Both	2100	148	50
Chemical Engineering	Academic Department with lab facility	Biotech/chemical	At all level	Technical	300	22	5
Humanities and science	Research Unit / Park	Multidisciplinary	At all level	Technical	2000	148	50
Institute innovation cell	Industry Institute Interface Unit	Multidisciplinary	At all level	Both	2100	148	50
Chemical Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Biotech and Chemical	At all level	Technical	300	22	5
Civil Engineering	Centre of Excellence with Advance Tools & Equipment	Civil	UG / PG / PhD	Both	150	12	3
Chemical Engineering	Centre of Excellence with Advance Tools & Equipment	Biotech/Chemical	At all level	Both	300	22	5
Information Technology	Academic Department with lab facility	Information Technology Computer science and	At all level	Technical	560	35	7
Electronics and Communication Engineering	Academic Department with lab facility	ECE	At all level	Technical	360	20	5
Mechanical Engineering	Industry Institute Interface Unit	MSME-Mechanical Engineering	At all level	Both	360	24	5
Information Technology	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	REDHAT-Information Technology	At all level	Both	480	30	5
Computer Science and Engineering	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	ICT Academy on salesforce technology	At all level	Both	560	30	5
Master of Business Administration	Academic Department with lab facility	Madras Management Association(MMA)	UG / PG / PhD	Both	180	9	1

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

Master of Business Administration	Academic Department with lab facility	Materials Management- MBA, MECHANICAL ENGINEERING, CHEMICAL ENGINEERING	UG / PG / PhD	Both	230	6	1
Master of Business Administration	Academic Department with lab facility	Khadi Village Industries Commission (KVIC)- MOU, Skill Development & Workshop	UG / PG / PhD	Non-Technical	53	6	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 : ARI-C-16616
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

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Innovation day celebration On account of "Birth anniversary of former president Dr. A. P. J. Abdul Kalam	Innovation	Motivational speak	Institute Lead Activity	Innovation Cell	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	300	62	0	0	362	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 12000	No
2	National Workshop on "Innovation Engineering in Production Techniques	Innovation	Orientation Session	Institute Lead Activity	institute innovation Cell	04-10-2019 00:00:00	04-10-2019 00:00:00	1	Within Campus	736	100	150	75	1061	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 48500	No

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

3	Awareness on INNOVATION VOUCHER PROGRAM	Innovation	Mentoring Session	Institute Lead Activity	Institute innovation cell in association with Department of management science	11-02-2020 00:00:00	11-02-2020 00:00:00	1	Within Campus	324	36	0	0	360	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
4	Internal Hackathon for smart India Hackathon 2020	Innovation	Hackathon	Institute Lead Activity	Institute innovation cell	29-01-2020 00:00:00	30-01-2020 00:00:00	2	Within Campus	266	16	0	0	282	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No						
5	Inter collegiate Management meet	Entrepreneurship/Startup	Exposure visit	Institute Lead Activity	Department of Management Science in association with Institute innovation cell	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	236	26	0	0	262	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No						
6	Food Carnival	Innovation	Exhibition	Institute Lead Activity	Department of Biotechnology in association with Institute innovation cell	31-01-2020 00:00:00	31-01-2020 00:00:00	1	Within Campus	300	24	0	0	324	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8000	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Best innovative food</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Business Model/Start up</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Best innovative food	Award/Recognition/Achievement Received for	Business Model/Start up
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Title of Innovation / Start-up Secured the Award / Recognition	Best innovative food																						
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7	National Conference on Recent Trends in Biotechnology	Innovation	Conference	Institute Lead Activity	Department of Biotechnology in association with Institute innovation Cell	12-03-2020 00:00:00	12-03-2020 00:00:00	1	Within Campus	300	24	75	6	405	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	45658	<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Best Innovative Paper Presentation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Best Innovative Paper Presentation	Award/Recognition/Achievement Received for	Novel Research Paper/Work
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

8	Biotekion z VT 19	Innovation	Skill development	Student Lead Activity	Department of biotechnology in association with Institute innovation Cell	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	234	3	0	0	237	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	Award / Position / Recognition Secured	First
9	Cripr and Society Inaugration	Innovation	Seminar	Institute Lead Activity	Department of Biotechnology in association with Institute innovation Cell	14-08-2019 00:00:00	14-08-2019 00:00:00	1	Within Campus	238	12	0	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No	
10	National Conference on Environmental And Sustainable Technologies	Innovation	Conference	Student Lead Activity	Department of Chemical engineering in association with Institute innovation cell	09-01-2020 00:00:00	10-01-2020 00:00:00	2	Within Campus	97	10	40	25	172	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100000	No	
11	Future Challenges and Opportunities in Chemical Engineering	Innovation	Seminar	Student Lead Activity	Department of Chemical engineering in association with Institute innovation cell	18-09-2019 00:00:00	18-09-2019 00:00:00	1	Within Campus	97	10	20	0	127	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11500	No	
12	NATIONAL SEMINAR ON EMANCIPATING ENTREPRENEURIAL INNOVATION : COMPETITIVENESS and CHALLENGES	Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	Department of Management Science in association with Institute innovation cell	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Within Campus	59	10	35	5	109	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No	

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

13	NATIONAL SMALL INDUSTRIES CORPORATION SPONSORED NATIONAL LEVEL AWARENESS PROGRAMME ON ENTREPRENEURSHIP "	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Institute innovation cell in association with Department of Management Science	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Within Campus	328	47	70	0	445	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No						
14	ENTREPRENEURSHIP AWARENESS PROGRAMME	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Institute innovation council in association with Department of Management Science	24-07-2019 00:00:00	24-07-2019 00:00:00	1	Within Campus	53	6	0	0	59	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No						
15	Aavishkar 2019	Entrepreneurship/Startup, Innovation	Conference	Institute Lead Activity	Institute innovation cell	09-08-2019 00:00:00	10-08-2019 00:00:00	2	Within Campus	1181	89	276	23	1569	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	300000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>First</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Best paper presentation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Novel Research Paper/Work</td> </tr> </table>	Award / Position / Recognition Secured	First	Title of Innovation / Start-up Secured the Award / Recognition	Best paper presentation	Award/Recognition/Achievement Received for	Novel Research Paper/Work
Award / Position / Recognition Secured	First																						
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16	Industrial Artificial Intelligence	Innovation	Workshop	Institute Lead Activity	Institute innovation cell in association with Department of Information Technology and Department of Computer Science and Engineering	28-01-2020 00:00:00	29-01-2020 00:00:00	2	Within Campus	82	11	0	0	93	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8600	No						

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

17	Bio- Informati cs	Entrepre neurship/ Startup, Innovatio n	Seminar	Institute Lead Activity	nstitute innovatio n cell in associati on with Departm ent of Informati on Technolo gy	10-01-20 20 00:00:00	10-01-20 20 00:00:00	1	Within Campus	82	11	0	0	93	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
18	Mobile applicatio n developm ent	Entrepre neurship/ Startup, Innovatio n	Training	Institute Lead Activity	Institute Innovatio ns cell in Associati on with Departm ent of Compute r Science and Engineeri ng	01-02-20 20 00:00:00	01-02-20 20 00:00:00	1	Within Campus	89	12	0	0	101	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2900	No
19	Latest technolog ies in Artificial intelligen ce	Innovatio n	Conferen ce	Institute Lead Activity	Institute Innovatio ns cell in Associati on with Departm ent of Electroni cs and Communi cation Engineeri ng	09-08-20 19 00:00:00	09-08-20 19 00:00:00	1	Within Campus	210	0	0	0	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
20	An Overview of Object Oriented Analysis and Design	Innovatio n	Seminar	Institute Lead Activity	Departm ent of Compute r science and Engineeri ng in associati on with institute innovatio n council	25-07-20 19 00:00:00	25-07-20 19 00:00:00	1	Within Campus	91	0	0	0	91	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
21	National Communi cation Skill Contest	Innovatio n	Skill developm ent	Institute Lead Activity	Departm ent of Compute r science and Engineeri ng in associati on with institute innovatio n council	05-02-20 20 00:00:00	05-02-20 20 00:00:00	1	Within Campus	61	0	0	0	61	No	No	

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

22	Nuclear energy for sustainable society-Advances in materials, processing & safety	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Mechanical Engineering	06-03-2020 00:00:00	07-03-2020 00:00:00	2	Within Campus	45	18	3	9	75	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	35000	No
23	Advances in polymer matrix composite using natural fibers and biopolymers with the application of nano technology	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Mechanical Engineering	22-01-2020 00:00:00	23-01-2020 00:00:00	2	Within Campus	20	10	0	10	40	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	90000	No
24	Clutch Assembly Through CRE5.0	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	21-02-2020 00:00:00	21-02-2020 00:00:00	1	Within Campus	58	4	0	0	62	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
25	Introduction to Finite Element Analysis and Simulation	Innovation	Seminar	Institute Lead Activity	Mechanical Engineering	02-03-2020 00:00:00	02-03-2020 00:00:00	1	Within Campus	97	10	0	0	107	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
26	Harmonic Balance Simulation by introducing match power circuit using ADS	Innovation	Training	Institute Lead Activity	Electronics and communication Engineering	15-08-2019 00:00:00	17-08-2019 00:00:00	3	Within Campus	30	2	0	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
27	Design of new routing protocols using NS2 simulation software	Innovation	Workshop	Institute Lead Activity	Electronics and communication Engineering	19-08-2019 00:00:00	20-08-2019 00:00:00	2	Within Campus	64	3	0	0	67	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No

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

28	Design of digital control system for state variable models using MATLAB	Innovation	Workshop	Institute Lead Activity	Electronics and communication Engineering	05-08-2019 00:00:00	05-08-2019 00:00:00	1	Within Campus	40	1	0	0	41	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
29	Recent trends on future 5G Technology	Innovation	Seminar	Institute Lead Activity	Electronics and communication Engineering	10-12-2019 00:00:00	12-12-2019 00:00:00	3	Within Campus	31	15	0	0	46	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
30	LEAN SIX SIGMA GREEN BELT CORPORATE TRAINING	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institute innovation cell in association with Department of management science	01-02-2020 00:00:00	09-02-2020 00:00:00	9	Within Campus	153	12	3	10	178	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
31	SYNERGIA 2020 AN INTERCOLLEGIATE MANAGEMENT MEET	Innovation	Seminar	Institute Lead Activity	Institute innovation cell in association with Department of management science	07-02-2020 00:00:00	07-02-2020 00:00:00	1	Within Campus	52	6	0	0	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
32	RECENT TRENDS IN AGILE PROCESSES & FRAMEWORKS IN IT INDUSTRY	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Institute innovation cell in association with Department of management science	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	52	6	0	0	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
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1	Workshop on Funding Opportunities for Innovation and Entrepreneurship Development	Entrepreneurship/Startup	Orientation Session	MHRD Innovation Cell TePP Outreach cum Cluster Innovation Centre Department of Scientific and Industrial Research DSIR	Govt. Agency (Central)	09-11-2019 00:00:00	09-11-2019 00:00:00	1	0	2	2	No	---	---	No	No
2	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Orientation Session	Vel Tech Rangarajan Dr.Sagunthala R and D Institute of Science and Technology	Educational Institute	26-09-2019 00:00:00	28-09-2019 00:00:00	3	3	1	4	No	---	---	No	No
3	Regional mentoring session for PoC and orientation session on IIC 2.0	Innovation	Mentoring Session	Vel Tech Rangarajan Dr.Sagunthala R and D Institute of Science and Technology	Educational Institute	31-07-2019 00:00:00	31-07-2019 00:00:00	1	8	1	9	No	---	---	No	No
4	Two Days National Workshop hands on training on Recent trends in 3D printing techniques applied to Automobile and Aerospace application	Innovation	Workshop	S.A.Engineering College	Educational Institute	21-08-2019 00:00:00	22-08-2019 00:00:00	2	0	1	1	No	---	---	No	No

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5	Awareness program on Tamil Nadu Student Innovators Award (TNSI) 2019	Innovation	Mentoring Session	Anna University	Govt. Agency (State)	13-12-2019 00:00:00	13-12-2019 00:00:00	1	8	0	8	No	---	---	No	No
6	Management Conclave on The Future Generation Workplace Contemporary Approaches-IssuesChallenges	Entrepreneurship/Startup	Training	Ethiraj College for Women	Educational Institute	04-09-2019 00:00:00	04-09-2019 00:00:00	1	9	0	9	No	---	---	No	No
7	Entrepreneurship Summit	Entrepreneurship/Startup	Orientation Session	SRM Easwari Engineering College	Educational Institute	03-10-2019 00:00:00	03-10-2019 00:00:00	1	4	0	4	No	---	---	No	No
8	A HIGH IMPACT INDUSTRIAL INSTITUTE INTERACTION EVENT OF INDIA	Entrepreneurship/Startup	Boot camp	ICT ACADEMY	Corporate / Industry Association	26-02-2020 00:00:00	26-02-2020 00:00:00	1	14	0	14	No	---	---	No	No
9	National Level Workshop on Application of Advanced Software Tools for Smart Power System	Innovation	Workshop	SSN College of Engineering	Educational Institute	08-08-2019 00:00:00	09-08-2019 00:00:00	2	6	0	6	No	---	---	No	No
10	Mind-O-Pedia	Innovation	Innovation Contest	Meenaksi College Of Engineering	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	1	0	1	No	---	---	No	No

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

11	Invente 4.0	Innovation	Innovation Contest	Sri Sivasubramaniya Nadar College of Engineering	Educational Institute	13-09-2019 00:00:00	14-09-2019 00:00:00	2	1	0	1	No	---	---	No	No
12	Make in India for the biotech way forward	Innovation	Conference	Sri Shakthi Institute of engineering	Educational Institute	30-08-2019 00:00:00	31-08-2019 00:00:00	2	3	0	3	No	---	---	No	No
13	Mass cultivation of Microalgae for production of biofuel and biorefineries.	Entrepreneurship/Startup	Workshop	Sri Venkateswara College of Engineering (SVCE)	Educational Institute	03-10-2019 00:00:00	04-10-2019 00:00:00	2	2	1	3	No	---	---	No	No
14	Regional training cum workshop on marine ornamental culture	Entrepreneurship/Startup	Workshop	Sathyabama University	Educational Institute	21-08-2019 00:00:00	22-08-2019 00:00:00	2	11	0	11	No	---	---	No	No
15	Brake lining manufacturing	Entrepreneurship/Startup	Training	Rane brake lining limited	Corporate / Industry Association	02-12-2019 00:00:00	13-12-2019 00:00:00	12	2	0	2	No	---	---	No	No
16	Thermal power plant system	Entrepreneurship/Startup	Training	NTPC tamilnadu energy company ltd	Corporate / Industry Association	20-11-2019 00:00:00	30-11-2019 00:00:00	11	2	0	2	No	---	---	No	No
17	Port activities and Management	Entrepreneurship/Startup	Training	Chennai Port Trust	Govt. Agency (State)	19-06-2019 00:00:00	24-06-2019 00:00:00	6	6	0	6	No	---	---	No	No
18	Carriage and Wagon Works	Entrepreneurship/Startup	Training	Carriage and Wagon Works, Perambur	Govt. Agency (Central)	03-06-2019 00:00:00	15-06-2019 00:00:00	13	1	0	1	No	---	---	No	No
19	Metro activities and Management	Entrepreneurship/Startup	Training	Chennai metro Limited	Govt. Agency (Central)	03-12-2019 00:00:00	05-12-2019 00:00:00	3	1	0	1	No	---	---	No	No

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

20	Automobile manufacturing processes	Entrepreneurship/Startup	Training	Ashok Leyland, Ennore	Corporate / Industry Association	18-06-2019 00:00:00	22-06-2019 00:00:00	5	2	0	2	No	---	---	No	No
21	Locomotive service works	Entrepreneurship/Startup	Training	Engineering Workshop, Arakkonam	Govt. Agency (Central)	28-11-2019 00:00:00	05-12-2019 00:00:00	8	1	0	1	No	---	---	No	No
22	7th International Conference on Innovations in Electrical and Electronics Engineering (ICIEEE-2019)	Innovation	Conference	Guru Nanak Institute of Technology, Telangana	Educational Institute	26-07-2019 00:00:00	27-07-2019 00:00:00	2	0	1	1	No	---	---	No	No
23	International Conference on Computer Communication and Power Engineering (I3CPE19)	Innovation	Conference	SASTRA University, Kumbakonam	Educational Institute	27-12-2019 00:00:00	28-12-2019 00:00:00	2	0	1	1	No	---	---	No	No
24	National Conference on Green Energy (NCGE-2019)	Innovation	Conference	R.M.D Engineering College, Chennai	Educational Institute	02-04-2019 00:00:00	02-04-2019 00:00:00	1	21	8	29	No	---	---	No	No
25	ANDROID	Innovation	Workshop	DLK Career Development, Chennai	Corporate / Industry Association	11-06-2019 00:00:00	11-06-2019 00:00:00	1	11	0	11	No	---	---	No	No
26	ANDROID	Innovation	Workshop	Codebind Technologies, Chennai	Corporate / Industry Association	30-05-2019 00:00:00	30-05-2019 00:00:00	1	1	0	1	No	---	---	No	No

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27	Application of Advanced Software Tools for Smart Power System	Innovation	Workshop	SSN College of Engineering, Chennai	Educational Institute	08-11-2019 00:00:00	09-11-2019 00:00:00	2	6	0	6	No	---	---	No	No
28	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	24-12-2019 00:00:00	28-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
29	Inplant Training	Innovation	Training	APTRAN SCO	Govt. Agency (State)	23-12-2019 00:00:00	24-12-2019 00:00:00	2	1	0	1	No	---	---	No	No
30	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	09-12-2019 00:00:00	13-12-2019 00:00:00	5	9	0	9	No	---	---	No	No
31	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	07-12-2019 00:00:00	12-12-2019 00:00:00	6	1	0	1	No	---	---	No	No
32	Engineering Metallurgy	Innovation	Skill development	AMS College of Engineering	Educational Institute	10-10-2019 00:00:00	12-10-2019 00:00:00	3	0	10	10	No	---	---	No	No
33	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	03-12-2019 00:00:00	07-12-2019 00:00:00	5	3	0	3	No	---	---	No	No
34	Inplant Training	Innovation	Training	Technocrat Automation Solutions Pvt Ltd	Corporate / Industry Association	03-12-2019 00:00:00	07-12-2019 00:00:00	5	10	0	10	No	---	---	No	No
35	A HIGH IMPACT INDUSTRIAL INSTITUTE INTERACTION EVENT OF INDIA	Entrepreneurship/Startup	Seminar	IIT M, RESEARCH PARK, CHENNAI	Govt. Agency (Central)	26-02-2020 00:00:00	26-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
36	LEADERSHIP SKILLS TO ENGINEERS AND MANAGERS	Entrepreneurship/Startup	Seminar	PENNAR INDSUTRIES LTD, PERIYAPALYAM	Corporate / Industry Association	07-03-2020 00:00:00	07-03-2020 00:00:00	1	1	0	1	No	---	---	No	No

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

37	BUSINESS QUIZ AND BEST MANAGER	Entrepreneurship/Startup	Innovation Contest	VELAMMAL ENGINEERING COLLEGE, CHENNAI	Educational Institute	13-03-2020 00:00:00	13-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
38	ADZAP	Entrepreneurship/Startup	Innovation Contest	Ethiraj College for Women	Educational Institute	09-04-2019 00:00:00	09-04-2019 00:00:00	1	10	0	10	No	---	---	No	No
39	BUSINESS QUIZ	Entrepreneurship/Startup	Innovation Contest	Vel Tech Rangarajan Dr.Sagunthala R and D Institute of Science and Technology	Educational Institute	20-02-2020 00:00:00	20-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
40	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	02-12-2019 00:00:00	07-12-2019 00:00:00	6	3	0	3	No	---	---	No	No
41	Inplant Training	Innovation	Training	RESEARCH CENTRE IMARAT	Corporate / Industry Association	22-06-2019 00:00:00	28-06-2019 00:00:00	7	1	0	1	No	---	---	No	No
42	Inplant Training	Innovation	Training	HIGH ENERGY BATTERIES (INDIA) LIMITED	Corporate / Industry Association	22-06-2019 00:00:00	25-06-2019 00:00:00	4	1	0	1	No	---	---	No	No
43	Inplant Training	Innovation	Training	CHENNAI PORT TRUST	Govt. Agency (State)	18-06-2019 00:00:00	22-06-2019 00:00:00	5	4	0	4	No	---	---	No	No
44	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	17-06-2019 00:00:00	21-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
45	Inplant Training	Innovation	Training	TVS TRAINING SERVICES	Corporate / Industry Association	17-06-2019 00:00:00	21-06-2019 00:00:00	5	3	0	3	No	---	---	No	No
46	Inplant Training	Innovation	Training	DLK CAREER DEVELOPMENT	Corporate / Industry Association	10-06-2019 00:00:00	14-06-2019 00:00:00	5	14	0	14	No	---	---	No	No
47	Inplant Training	Innovation	Training	BHARAT SANCHARNIGAM LIMITED	Govt. Agency (Central)	10-06-2019 00:00:00	22-06-2019 00:00:00	13	1	0	1	No	---	---	No	No

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

48	Inplant Training	Innovation	Training	BHARAT SANCHAR NIGAM LIMITED	Govt. Agency (Central)	10-06-2019 00:00:00	14-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
49	METTUR THERMAL POWER STATION	Innovation	Training	METTUR THERMAL POWER STATION	Govt. Agency (State)	10-06-2019 00:00:00	14-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
50	Inplant Training	Innovation	Training	TANGED CO	Govt. Agency (State)	10-06-2019 00:00:00	14-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
51	Inplant Training	Innovation	Training	CODEBIND TECHNOLOGIES	Corporate / Industry Association	28-05-2019 00:00:00	01-06-2019 00:00:00	5	1	0	1	No	---	---	No	No
52	Circuitrix	Innovation	Innovation Contest	Sri Venkateswara college of Engineering	Educational Institute	26-09-2019 00:00:00	26-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
53	Covert Buggy	Innovation	Innovation Contest	Meenakshi College Of Engineering	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
54	Mock Interview	Innovation	Innovation Contest	Meenakshi College Of Engineering	Educational Institute	13-09-2019 00:00:00	13-09-2019 00:00:00	1	1	0	1	No	---	---	No	No
55	World Biggest International Hands-on IOT and Ethical hacking	Innovation	Hackathon	Wikitechy and Microsoft Research Community	International Agencies	15-08-2019 00:00:00	15-08-2019 00:00:00	1	1	0	1	No	---	---	No	No
56	Digital Image Processing	Innovation	Workshop	Vedic Technologies	Corporate / Industry Association	21-12-2019 00:00:00	21-12-2019 00:00:00	1	3	0	3	No	---	---	No	No

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

57	ANDROID	Entrepreneurship/Startup	Workshop	Uniq Technologies	Corporate / Industry Association	14-12-2019 00:00:00	14-12-2019 00:00:00	1	2	0	2	Yes	First	World Record Holder	No		Award / Position / Recognition Secured	First
58	Python Machine Learning	Innovation	Workshop	Uniq Technologies	Corporate / Industry Association	20-07-2019 00:00:00	20-07-2019 00:00:00	1	1	0	1	No	---	---	No		Title of Innovation / Start-up Secured the Award / Recognition	World Record Holder
59	Cyber Security	Innovation	Workshop	Saveetha Engineering college	Educational Institute	06-09-2019 00:00:00	07-09-2019 00:00:00	2	3	0	3	No	---	---	No		Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
60	Digital Marketing	Entrepreneurship/Startup	Workshop	Kasshiv Infotech	Corporate / Industry Association	25-11-2019 00:00:00	29-11-2019 00:00:00	5	1	0	1	No	---	---	No			
61	Ethical Hacking	IPR	Workshop	Kasshiv Infotech	Corporate / Industry Association	25-11-2019 00:00:00	29-11-2019 00:00:00	5	1	0	1	No	---	---	No			
62	Digital Marketing	Entrepreneurship/Startup	Workshop	Kasshiv Infotech	Corporate / Industry Association	02-12-2019 00:00:00	06-12-2019 00:00:00	5	3	0	3	No	---	---	No			
63	Cloud Computing	Entrepreneurship/Startup	Training	National Small Industries Corporation, Limited	Govt. Agency (State)	02-12-2019 00:00:00	06-12-2019 00:00:00	5	4	0	4	No	---	---	No			
64	Machine Learning Workshop	Innovation	Workshop	Indian Institute of Technology Madras	Govt. Agency (Central)	21-09-2019 00:00:00	22-09-2019 00:00:00	2	1	0	1	No	---	---	No			

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
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1	Bio-Industrial Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Department of Biotechnology	02-01-2020	13-03-2020	72	Offline	51	45
2	Intellectual Property Rights	IPR	Elective/Core Credit Course	Credit Course (Elective)	Department of Biotechnology	02-01-2020	13-03-2020	72	Offline	51	45
3	Machine Learning Practical Approach	Innovation	Short term Course	Credit Course (Elective)	Department of Information Technology	22-07-2019	29-10-2019	100	Offline	24	45
4	PROFESSIONAL ETHICS IN ENGINEERING	IPR	Elective/Core Credit Course	Credit Course (Elective)	Department of electrical and electronics Engineering	16-12-2019	19-03-2020	95	Offline	39	45
5	INTELLECTUAL PROPERTY RIGHTS	IPR	Elective/Core Credit Course	Credit Course (Elective)	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	16-12-2019	19-03-2020	95	Offline	44	45
6	BASICS OF BIO MEDICAL INSTRUMENTATION	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Communication Engineering	24-06-2019	04-10-2019	103	Offline	89	45
7	MEDICAL ELECTRONICS(ME)	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Communication Engineering	24-06-2019	04-10-2019	103	Offline	89	45
8	Wireless Networks	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Communication Engineering	02-01-2020	16-04-2020	106	Offline	105	45
9	ENTREPRENEURSHIP DEVELOPMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52
10	MANAGERIAL BEHAVIOUR AND EFFECTIVENESS	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of Management Science	24-06-2019	14-10-2019	113	Offline	59	52
11	STRATEGIC MANAGEMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52
12	ORGANISATIONAL THEORY DESIGN AND DEVELOPMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52
13	LEGAL ASPECTS OF BUSINESS	IPR	Elective/Core Credit Course	Master	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52

14	TOTAL QUALITY MANAGEMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52
15	OPERATIONS MANAGEMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Department of management Studies	02-12-2019	27-03-2020	117	Offline	59	52
16	PRODUCT DESIGN	IPR, Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Master	Department of management Studies	24-06-2019	14-10-2019	113	Offline	59	52
17	URBAN PLANNING AND DEVELOPMENT	IPR	Elective/Core Credit Course	Credit Course (Elective)	CIVIL ENGINEERING	02-01-2020	13-03-2020	72	Offline	51	45
18	HYDROLOGY AND WATER RESOURCES ENGINEERING	Innovation	Elective/Core Credit Course	Credit Course (Elective)	CIVIL ENGINEERING	14-12-2019	13-03-2020	91	Offline	51	45
19	MAINTENANCE REPAIR AND REHABILITATION OF STRUCTURES	Innovation	Elective/Core Credit Course	Credit Course (Elective)	CIVIL ENGINEERING	14-12-2019	13-03-2020	91	Offline	51	45
20	Human Computer Interaction	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Computer science and Engineering	26-12-2019	16-03-2020	82	Offline	109	45
21	Software Project Management	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Computer science and Engineering	26-12-2019	16-03-2020	82	Offline	109	45
22	Product Design and Development	IPR, Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Computer science and Engineering	03-07-2019	04-10-2019	94	Offline	91	45
23	Automotive system	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	24-06-2019	16-10-2019	115	Offline	85	45
24	Welding technology	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	16-12-2019	19-03-2020	95	Offline	103	45
25	Process planning and cost estimation	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	24-06-2019	16-10-2019	115	Offline	85	45
26	Maintenance engineering	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	24-06-2019	16-10-2019	115	Offline	85	45
27	Production planning and control	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	16-12-2019	19-03-2020	95	Offline	103	45
28	Advanced IC Engines	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Department of Mechanical Engineering	16-12-2019	19-03-2020	95	Offline	103	45
29	Chemical Reaction Engineering II	Innovation	Short term Course	Short Term Certificate Course	NPTTEL	02-01-2020	31-03-2020	90	Online	3	40

30	Demystifying the Brain	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	7	40
31	Digital Land Surveying And Mapping	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
32	Essentials of Biomolecules Nucleic Acids and Peptides	IPR	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
33	Fundamentals of MIMO Wireless Communication	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
34	Fundamentals of semiconductor devices	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
35	IC Engines and Gas Turbines	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	2	40
36	Manufacturing Process Technology I AND II	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
37	Medical Image Analysis	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	26	40
38	Privacy and Security in Online Social Media	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	4	40
39	Programming in Java	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	3	40
40	Waste to Energy Conversion	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	8	40
41	Properties of Materials (Nature and Properties of Materials III)	Innovation	Short term Course	Short Term Certificate Course	NPTEEL	02-01-2020	31-03-2020	90	Online	1	40
42	Robotics and Control - Theory and Practice	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
43	Soft Skill Development	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
44	Software Testing	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
45	Theory and Practice of Non Destructive Testing	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	31-03-2020	90	Online	1	40
46	Antennas	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
47	Basic Principles and Calculations in Chemical Engineering	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
48	Bioengineering - An Interface with Biology and Medicine	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
49	Cloud computing	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	29	50
50	Computer Integrated Manufacturing	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
51	Computer Networks and Internet Protocol	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
52	Conduction and Convection Heat Transfer	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50

53	Control engineering	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
54	Data Mining	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	5	50
55	Data Science for Engineers	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
56	Electric Vehicles - Part 1	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	18	50
57	Entrepreneurship	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	3	50
58	Entrepreneurship Essentials	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
59	Equipment Design - Mechanical Aspects	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	6	50
60	Fundamental of Welding Science and Technology	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
61	Geotechnical Engineering - 1	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	4	50
62	Geotechnical Engineering II Foundation Engineering	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
63	Global Marketing Management	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
64	Google Cloud Computing Foundation Course	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
65	Group Theory methods in Physics	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50
66	Human Molecular Genetics	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	22	50
67	Inspection and Quality Control in Manufacturing	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
68	Intellectual Property	IPR	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
69	Introduction to internet of things	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
70	Introduction to Professional Scientific Communication	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	3	50
71	Materials Science and Engineering	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
72	NBA Accreditation and Teaching - Learning in Engineering (NATE)	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
73	Network Analysis	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
74	Plastic Waste Management	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
75	Problem solving through Programming In C	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	2	50

76	Processing of Polymers and Polymer Composites	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
77	Programming- Data Structures And Algorithms Using Python	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	3	50
78	Python for Data Science	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	12	50
79	Services Marketing - Integrating People-Technology -Strategy	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
80	Sustainable Architecture	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
81	Thermodynamics	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2020	30-04-2020	120	Online	1	50
82	Medical Biomaterials	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-02-2020	30-04-2020	90	Online	1	40
83	Infrastructure Planning and Management	Innovation	Short term Course	Short Term Certificate Course	NPTEL	02-01-2019	30-04-2019	119	Online	1	50
84	Stress Management	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	31-08-2019	62	Online	1	30
85	Health Research Fundamentals	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	30-09-2019	92	Online	1	30
86	Technologies For Clean And Renewable Energy Production	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	30-09-2019	92	Online	1	40
87	Social Networks - Online	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	31-10-2019	123	Online	15	40
88	Dairy and Food process and products technology - Online	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	31-10-2019	123	Online	1	40
89	Advanced Concrete Technology - Online	Innovation	Short term Course	Short Term Certificate Course	NPTEL	01-07-2019	31-10-2019	123	Online	1	40

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

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Skill Development Training Programme on Bakery Products	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Computer science and Engineering	19-08-2019	23-08-2019	5	Offline	89	40
2	Employment Skill Training in Technology and Soft Skills	Innovation	Employment Generation Training Programs	Department of Computer science and Engineering	03-10-2019	15-10-2019	13	Offline	21	40
3	Industrial Automation using IIOT	Innovation	Employment Generation Training Programs	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	20-06-2019	24-06-2019	5	Offline	75	35
4	Automation and Industrial IoT (Siemens IIoT)	Innovation	Employment Generation Training Programs	ELECTRICAL AND ELECTRONICS ENGINEERING	25-11-2019	02-12-2019	8	Offline	50	35

5	Recent Trends in Automation and IIOT	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Mechanical Engineering	18-12-2019	24-12-2019	7	Offline	20	40
6	Computer Aided Engineering Tools and Techniques	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Mechanical Engineering	18-06-2020	22-06-2020	5	Offline	1	35
7	Advances in Computational Fluid Dynamics(CFD)	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	18-06-2019	22-06-2019	5	Offline	6	35

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 J B Veeramalini	Department of chemical 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	
2	Dr. M. Gopinath	Department of Biotechnology		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	
3	Dr M.Gopinath	Deaprtemnt of Biotechnology		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	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	
4	Dr.M.Malathy	Department of computer science		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	
5	Varunkumar	Department of Information technology		Assistant Professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
6	Jaculin Jeka	Department of civil engineering		Assistant professor		No		Yes		
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery	
7	Dr. A. Suresh Kumar	Department of Management Studies		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
	Faculty development programme on Business Metrics and its Application in Business Decisions	Entrepreneurship/Startup	Short term Certificate	Sri Krishna College of Engineering and Technology	Educational Institute	24-06-2019 00:00:00	06-07-2019 00:00:00	13	Offline
8	Dr. H. Moideen Batcha	Department of Management Studies		Professor		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
9	Dr. E. T. Evangeline	Department of Management Studies		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

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	Biotekionz	Idea Club	2018	None	Innovation Park/Research Park	3	Mr. S. Vigneshwar and Dr. A. Sai Ramesh	drsairamesh@gmail.com	9791071031
2	Chemiide	Idea Club	2019	None	Innovation Park/Research Park	1	Revathi.R	revathi.chem17@velhightech.com	9962663643
3	iTech	Innovation Club	2017	Co-working Space	Innovation Park/Research Park	1	R.Subhashree	teeser.subhashree@gmail.com	9087289580
4	FINANCE CLUB	Idea Club	2009	Co-working Space	Centre of Excellence with Advance Tools	48	Bhavani U	bhavanijo5@gmail.com	7299535112
5	HR CLUB	Idea Club	2009	Co-working Space	Centre of Excellence with Advance Tools	50	Reena Rosline S	reenasagayaraj1998@gmail.com	9500595884
6	OPERATIONS CLUB	Idea Club	2009	Co-working Space	Centre of Excellence with Advance Tools	49	Aberami A	abishravanthi@gmail.com	9840530628
7	MARKETING CLUB	Idea Club	2009	Co-working Space	Centre of Excellence with Advance Tools	52	Nandhini A	nandhinia1998@gmail.com	9597941149
8	KARKARAI	Innovation Club	2018	None	Innovation Park/Research Park	1	B.J.KARTHIKEYAN	BJKARTHIKEYAAN@VELHIGHTECH.COM	8124422052
9	CODE	Idea Club	2018	None	Innovation Park/Research Park	3	Kavitha B and Raja Saranya Kumari	rajasaranya@velhightech.com	9659496964

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	Institute Innovation Council	Innovation Centre	2018	Work Stations	Innovation Labs	Innovation Labs	Facility Incharge Name	Dr. B. Bharat hiraja	13	No	No	Yes
							Facility Incharge Email	innovation@velhightech.com				
							Facility Incharge Phone	9843557513				
Source of Grant / Fund						Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)		
Institute's Own Fund / Resource						R S Trust		Educational Institute		560000		
2	Entrepreneurship Development Cell (EDC)	EDC	2016	None	Student Clubs	Student Clubs	Facility Incharge Name	Dr. N. Gayathri	9	No	No	Yes
							Facility Incharge Email	edc@velhightech.com				
							Facility Incharge Phone	7904153587				
Source of Grant / Fund						Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)		
Institute's Own Fund / Resource						R S TRUST		Educational Institute		304000		
3	Project, Paper and Patent Cell	Innovation Centre	2019	Work Stations	Innovation Labs	Innovation Labs	Facility Incharge Name	Dr. D. Yuvaraj	5	No	No	Yes
							Facility Incharge Email	yuvaraj@velhightech.com				
							Facility Incharge Phone	9944099550				

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)

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Institute's Own Fund / Resource	R. S. Trust	Educational Institute	4553000

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr J B Veeramalini	Associate Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SAIL - Android Application		Within	
2	Dr. M. Gopinath	Associate Professor	Idea/Innovation Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SAIL - Android Application		Within	
3	Dr.M.malathy	Professor	Entrepreneurship/Startup Development	15
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	CLASS ROOM ATTENDANCE DISPLAY		Within	
	VIRTUAL TORIST GUIDE		Within	

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

1	Anand Chenga		Idea/Innovation Development				Structured Mentorship	
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee	
	Smart India Hackathon 2020	29-01-2020	31-03-2020	63	2	6	Idea	

List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Smo	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype /Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Cardiac Risk Score Calculator for Indian subcontinents (CRISCIS)	Product Innovation	Technological	institute innovation cell	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
		Name	Type	Gender	Email	Contact							
		Dr. A. Sai Ramesh	Faculty	Male	drsairamesh@velhightech.com	9791071031							
		Name	Type	Gender	Email	Contact							
		Revathi	Student	Female	revathi.chem17@velhightech.com	9962663643							

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

No Data Filled!

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

No Data Filled!

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Method for managing the Uplink radiation and energy consumption of 5G mobiles	IPRFiledPublished	202041009329	National	2020 - 03	Uploaded	Filed	No
2	AN ACTIVATED CARBON FILTER WITH WASTE BIOMASS FOR EXHAUST OUTLETS AND A PROCESS THEREOF	IPRFiledPublished	201941050849	National	2019 - 09	Uploaded	Filed	No
3	A biosorbent for the removal of organic contaminants from waste water and a method thereof	IPRFiledPublished	201941015271	National	2019 - 04	Uploaded	Published	No
4	A PROCESS OF REMOVAL OF POLLUTANTS FROM WASTEWATER USING LIGNITE	IPRFiledPublished	201941045072	National	2019 - 11	Uploaded	Granted	No

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	BIOREP-HERBAL INSECT REPELLENT	202041011177	National	2020 - 03	Uploaded
		FUIZZY BASED IMAGE SEGMENTATION METHOD FOR DEFECT DETECTION IN CERAMIC TILES	201911043625	International	2019 - 10
			3	Automatic Tollbooth Collection System using RFID with IOT	202021011522
Uploaded					

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

No Data Filled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filled!

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

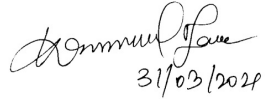
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. KAMALANABAN. E (Head of Institute) and Mr. GOVINDASAMI. S (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

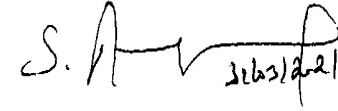
The Head of Institute



31/03/2024

Dr. KAMALANABAN. E
Head of the Institution,
Morai, Tamil Nadu

Nodal officer



31/03/2024

Mr. GOVINDASAMI. S
Nodal Officer,
Morai, Tamil Nadu