



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: National Institute of Technology Karnataka [ARI-U-0237]

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)
Water Resources and Ocean Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	158	17	5
Chemical Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	172	19	4
Chemistry	Academic Department with lab facility	Basic Sciences	UG / PG / PhD	Both	73	14	5
Civil Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	330	34	9
NITK STEP Pre-incubation and Incubation Center	Incubation Unit	Incubation	Not Allowed	Not Allowed	2500	45	4
Institute Industry Partnership Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Industry collaboration	Not Allowed	Not Allowed	1000	3	2
Center of System Design	Centre of Excellence with Advance Tools & Equipment	Interdisciplinary Research & Consultancy	At all level	Both	21191	24	4
NITK Science and Technology Entrepreneurs Park	Research Unit / Park	Entrepreneurship	At all level	Both	2500	45	4
Information Technology	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	179	19	6
ISRO Regional Academic Center for Space	Centre of Excellence with Advance Tools & Equipment	Space Technology	At all level	Technical	60	30	30
Center of Disaster Management	Centre of Excellence with Advance Tools & Equipment	Disaster Management	At all level	Technical	60	11	0
IIP Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Patenting	UG / PG / PhD	Not Allowed	90	3	1
Mechanical Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	405	44	27
Center for Smart Grid Technologies	Centre of Excellence with Advance Tools & Equipment	Renewable Energy	UG / PG / PhD	Technical	60	4	10

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

Computer Science and Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	246	27	11
Electrical and Electronics Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	204	32	9
Mathematical and Computational Sciences	Academic Department with lab facility	Mathematics, Engineering	UG / PG / PhD	Technical	128	21	7
Metallurgical and Materials Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	258	14	10
Mining Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	96	9	7
Physics	Academic Department with lab facility	Basic Sciences	UG / PG / PhD	Technical	61	11	5
School of Management	Academic Department with lab facility	Humanities and Management	UG / PG / PhD	Technical	128	16	3
Electronics and Communication Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	263	26	4

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 : IC201810299
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?
------	-----------------------------	---------------	--------------	------------------	--	--------------------	------------------	----------------------------	------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	------------------------------	---	--

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

1	1-Day Seminar on "Serverless Computing Applications" in collaboration with Dr Piyush Harsh, Zurich Univ. of Applied Sciences, Switzerland at NITK Surathkal	Innovation	Seminar	Institute Lead Activity	Information Technology	27-11-2019 00:00:00	27-11-2019 00:00:00	1	Within Campus	0	0	80	0	80	No	No	
2	One Week National Workshop on High Performance Computing and Applications	Innovation	Workshop	Institute Lead Activity	Information Technology	12-08-2019 00:00:00	17-08-2019 00:00:00	6	Within Campus	16	7	8	24	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100000	No
3	Technology based Entrepreneurship Development Program (TEDP-2, 2019) for rural areas and villages adopted under Unnat Bharat Abhiyan (Chelyairu Village)	Innovation	Skill development	Institute Lead Activity	NITK STEP	08-04-2019 00:00:00	10-05-2019 00:00:00	33	Outside Campus	0	0	24	0	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	300000	No
4	Microsoft/IIIT Panini Linguistics Olympiad-2020	Innovation	Innovation Contest	Institute Lead Activity	Information Technology	09-02-2020 00:00:00	09-02-2020 00:00:00	1	Within Campus	0	0	100	0	100	No	No	

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

5	8th International Conference on Frontiers in Intelligent Computing - Theory and Applications	Innovation	Conference	Institute Lead Activity	INFORMATION TECHNOLOGY	04-01-2020 00:00:00	05-01-2020 00:00:00	2	Within Campus	45	35	165	269	514	<div style="background-color: #002060; color: white; padding: 5px;"> Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) </div> 150000	Award / Position / Recognition Secured	Best paper award
																Title of Innovation / Start-up Secured the Award / Recognition	Fog-based Video Surveillance System for Smart City Applications
																Award/Recognition/Achievement Received for	Novel Research Paper/Work
6	Special Session on Healthcare Analytics and Language Processing (HeAL) @FICTA 2020	Innovation	Conference	Institute Lead Activity	INFORMATION TECHNOLOGY	04-01-2020 00:00:00	05-01-2020 00:00:00	2	Within Campus	8	12	12	34	66	No	Award / Position / Recognition Secured	Best paper award
															Title of Innovation / Start-up Secured the Award / Recognition	Leveraging Deep Learning Approaches for Patient Case Similarity Evaluation	
															Award/Recognition/Achievement Received for	Novel Research Paper/Work	
7	5G and Blockchain Technology - twinning program	Innovation	Workshop	Institute Lead Activity	Information Technology	10-02-2020 00:00:00	14-02-2020 00:00:00	5	Within Campus	0	0	40	0	40	No	No	

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

8	NITK Internal Hackathon for Smart India Hackathon 2020	Innovation	Hackathon	Institute Lead Activity	NITK	21-01-2020 00:00:00	22-01-2020 00:00:00	2	Within Campus	186	10	0	0	196	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	35000	Award / Position / Recognition Secured	shortlisted for participation in SIH 2020
																	Title of Innovation / Start-up Secured the Award / Recognition	Solution for ISRO problem stmt NM372-ISRO (Extraction of crop cycle parameters from multi-temporal data) and DRDO problem Stmt CK48 (soldier strap)
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
9	5-Day Workshop on Deep Learning for Big Data Analytics and Cyber Security applications	Innovation	Workshop	Institute Lead Activity	Information Technology	01-07-2019 00:00:00	05-07-2019 00:00:00	5	Within Campus	0	0	0	60	60	No	No	No	No
10	Two days NITK-HPE Workshop on Computer networks	Innovation	Workshop	Institute Lead Activity	INFORMATION TECHNOLOGY	22-10-2019 00:00:00	23-10-2019 00:00:00	2	Within Campus	104	3	0	0	107	No	No	No	No
11	5G Technologies Security	Innovation	Workshop	Institute Lead Activity	Information Technology	11-02-2020 00:00:00	16-02-2020 00:00:00	6	Within Campus	0	0	58	0	58	No	No	No	No

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

12	5-Day TEQIP-III sponsored Workshop on "Artificial Intelligence and Machine Learning Applications in the Emerging Areas of Computer Science and Information Technology	Innovation	Workshop	Institute Lead Activity	Information Technology	09-12-2019 00:00:00	13-12-2019 00:00:00	5	Within Campus	10	0	0	50	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	No
13	5-Day Workshop on Blockchain Technology	Innovation	Workshop	Institute Lead Activity	Information Technology	16-12-2019 00:00:00	20-12-2019 00:00:00	5	Within Campus	5	0	0	43	48	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	162000	No
14	Induction Program-2019	Innovation	Motivational speak	Institute Lead Activity	Information Technology	25-07-2019 00:00:00	06-08-2019 00:00:00	13	Within Campus	120	0	0	0	120	No	No	
15	NITK National Hackathon "Hackverse 2020"	Innovation	Hackathon	Institute Lead Activity	INFORMATION TECHNOLOGY	25-01-2020 00:00:00	26-01-2020 00:00:00	2	Within Campus	310	0	2190	0	2500	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7000	No
16	Induction Program-2019	Innovation	Orientatio n Session	Institute Lead Activity	Information Technology	25-07-2019 00:00:00	06-08-2019 00:00:00	13	Within Campus	120	0	0	0	120	No	No	
17	"5 DAYS WORKS HOP ON PYTHON & ITS APPLICATIONS - Python in Action "	Innovation	Workshop	Institute Lead Activity	NITK STEP	03-02-2020 00:00:00	07-03-2020 00:00:00	34	Within Campus	2	2	12	10	26	No	No	
18	Industry Oriented Approaches in Big Data and Machine Learning	Innovation	Seminar	Student Lead Activity	Computer Science and Engineering	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Within Campus	50	0	0	0	50	No	No	

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

19	Simulation of Underwater Communications (SUC'19)	Innovation	Workshop	Student Lead Activity	Computer Science and Engineering	09-12-2019 00:00:00	13-12-2019 00:00:00	5	Within Campus	5	0	12	0	17	No	No	
20	IEEE Day Celebrations (As part of the IEEE Day, a guest lecture)	Innovation	Seminar	Institute Lead Activity	ECE	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	25	0	0	0	25	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
21	Winter School on Applications of Machine learning techniques for Medical Image Analysis in association with Baylor College of Medicine, Houston as part of SPARC project and NITK Diamond Jubilee events.	Innovation	Skill development	Institute Lead Activity	Electronics and Communication Engineering	02-12-2019 00:00:00	13-12-2019 00:00:00	12	Within Campus	27	0	5	0	32	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100000	No
22	Technical Talk A brief insight into the Physics and applications of ultrafast magnetism: Towards Ultrafast Spintronics	Innovation	Seminar	Student Lead Activity	ECE	04-09-2019 00:00:00	04-09-2019 00:00:00	1	Within Campus	55	0	0	0	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
23	Speech, Audio and Music Processing (SAMP 2020)	Innovation	Training	Institute Lead Activity	Electronics and Communication Engineering	28-01-2020 00:00:00	01-02-2020 00:00:00	5	Within Campus	46	0	0	20	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	170800	No

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

24	Recent Trends in Wireless Optical Communications	Innovation	Workshop	Institute Lead Activity	ECE	06-03-2020 00:00:00	06-03-2020 00:00:00	1	Within Campus	80	0	10	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	66000	No
25	Series of Industry Expert lectures	Innovation	Training	Institute Lead Activity	Electronics and Communication Engineering	02-03-2020 00:00:00	02-03-2020 00:00:00	1	Within Campus	18	0	0	0	18	No	No	
26	Advanced Materials and Characterization Techniques (AMCT 2019)	Innovation	Workshop	Institute Lead Activity	MME	07-08-2019 00:00:00	11-08-2019 00:00:00	5	Within Campus	120	30	50	3	203	No	No	
27	Power Electronics Applications and Technology in Present Energy Scenario, PETPES 2019, 1st International Conference, 29th-31st August 2019, Sponsored by TEQIP-III"	Innovation	Conference	Institute Lead Activity	Electrical and Electronics Engineering	29-08-2019 00:00:00	31-08-2019 00:00:00	3	Within Campus	50	0	0	0	50	No	No	
28	A Department Level Comprehensive Review process	Innovation	Workshop	Institute Lead Activity	EEE Department	28-09-2019 00:00:00	28-09-2019 00:00:00	1	Within Campus	50	0	0	0	50	No	No	
29	Pre NBA UG workshop	Innovation	Workshop	Institute Lead Activity	EEE Department	11-03-2020 00:00:00	11-03-2020 00:00:00	1	Within Campus	50	0	0	0	50	No	No	
30	Advanced XRD Theory, Practical and Training 2020	Innovation	Workshop	Institute Lead Activity	MME	20-01-2020 00:00:00	24-01-2020 00:00:00	5	Within Campus	100	0	0	0	100	No	No	

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

31	Effective Digitization of Course Content for Blended Learning and Flipped Classroom	Innovation	Workshop	Institute Lead Activity	MME	09-03-2020 00:00:00	10-03-2020 00:00:00	2	Within Campus	100	0	0	0	100	No	No						
32	Current Trends in Functional Materials	Innovation	Conference	Institute Lead Activity	Department of Physics	15-01-2020 00:00:00	17-01-2020 00:00:00	3	Within Campus	47	10	30	20	107	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	150000	No					
33	Workshop on Geomatics conducted for M.Tech.S students of Manipal Institute of Technology	Innovation	Workshop	Institute Lead Activity	Bellare GIS Consultancy Pvt. Ltd. and NITK STEP	02-01-2020 00:00:00	06-01-2020 00:00:00	5	Within Campus	0	0	19	0	19	No	No						
34	Intra-Club Speech Contest	Innovation	Innovation Contest	Student Lead Activity	NITK Toastmaster Club	18-01-2020 00:00:00	18-01-2020 00:00:00	1	Within Campus	20	0	0	0	20	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Contest winner</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Based on speech</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Contest winner	Title of Innovation / Start-up Secured the Award / Recognition	Based on speech	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	Contest winner																					
Title of Innovation / Start-up Secured the Award / Recognition	Based on speech																					
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																					
35	Workshop on Python & its Applications-Registration	Innovation	Workshop	Institute Lead Activity	Penzigo Technology Solutions Pvt.Ltd. And NITK-STEP	03-02-2020 00:00:00	07-02-2020 00:00:00	5	Within Campus	0	0	12	0	12	No	No						

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

36	Chemical and Oil Spill Management(CO SM-2020)	Innovation	Workshop	Institute Lead Activity	Centre of Excellence for Disaster Risk Reduction and NITK STEP	07-02-2020 00:00:00	08-02-2020 00:00:00	2	Within Campus	0	0	50	0	50	No	No										
37	Chemical and Oil Spill Management (COSM - 2020)	Innovation	Workshop	Institute Lead Activity	Centre of Excellence for Disaster Risk Reduction	07-02-2020 00:00:00	08-02-2020 00:00:00	2	Within Campus	40	10	13	20	83	<table border="1"> <tr> <td rowspan="3">Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>147000</td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	147000			<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Innovative ideas to prepare Novel Oil spill absorbents</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Under planning stage</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Innovative ideas to prepare Novel Oil spill absorbents	Title of Innovation / Start-up Secured the Award / Recognition	Under planning stage	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	147000																									
Award / Position / Recognition Secured	Innovative ideas to prepare Novel Oil spill absorbents																									
Title of Innovation / Start-up Secured the Award / Recognition	Under planning stage																									
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																									
38	Conversion and utilization of CO2 for sustainable development	Innovation	Seminar	Institute Lead Activity	Chemical Engineering	19-11-2019 00:00:00	22-11-2019 00:00:00	4	Within Campus	0	2	0	0	2	No	No										
39	Recent and future trends in downstream bioprocessing	Innovation	Seminar	Institute Lead Activity	Chemical Engineering	02-02-2020 00:00:00	07-02-2020 00:00:00	6	Within Campus	40	2	0	0	42	<table border="1"> <tr> <td rowspan="3">Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>15400</td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15400			No						
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15400																									
40	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Centre for System Design	10-07-2019 00:00:00	10-07-2019 00:00:00	1	Within Campus	0	0	16	0	16	No	No										
41	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	25-07-2019 00:00:00	25-07-2019 00:00:00	1	Outside Campus	0	0	60	3	63	No	No										
42	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	0	0	74	0	74	No	No										

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

43	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Centre for System Design	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Outside Campus	0	0	116	28	144	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5600	No
44	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Centre for System Design	29-08-2019 00:00:00	29-08-2019 00:00:00	1	Outside Campus	0	0	88	15	103	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4300	No
45	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	30-08-2019 00:00:00	30-08-2019 00:00:00	1	Outside Campus	0	0	73	29	102	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5300	No
46	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	31-08-2019 00:00:00	31-08-2019 00:00:00	1	Outside Campus	0	0	44	46	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6600	No
47	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	0	0	24	0	24	No	No	
48	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	15-09-2019 00:00:00	15-09-2019 00:00:00	1	Outside Campus	0	0	20	0	20	No	No	
49	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Outside Campus	0	0	110	14	124	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
50	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Outside Campus	0	0	86	10	96	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2100	No
51	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	0	0	47	0	47	No	No	

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

52	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Outside Campus	24	0	0	0	24	No	No	
53	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Centre for System Design	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Outside Campus	0	0	300	140	440	No	No	
54	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Outside Campus	21	0	0	0	21	No	No	
55	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	03-03-2020 00:00:00	03-03-2020 00:00:00	1	Outside Campus	0	0	40	0	40	No	No	
56	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Outside Campus	0	0	53	15	68	No	No	
57	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	19-02-2020 00:00:00	20-02-2020 00:00:00	2	Outside Campus	0	0	49	0	49	No	No	
58	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	0	0	16	2	18	No	No	
59	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	14-02-2020 00:00:00	14-02-2020 00:00:00	1	Within Campus	0	0	0	36	36	No	No	
60	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	05-02-2020 00:00:00	05-02-2020 00:00:00	1	Outside Campus	0	0	0	7	7	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7000	No
61	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	29-01-2020 00:00:00	29-01-2020 00:00:00	1	Outside Campus	0	0	60	2	62	No	No	
62	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Outside Campus	0	0	94	38	132	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

63	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Outside Campus	0	0	58	20	78	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3400	No
64	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Outside Campus	0	0	8	47	55	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6700	No
65	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	23-01-2020 00:00:00	23-01-2020 00:00:00	1	Outside Campus	0	0	141	90	231	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4300	No
66	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	22-01-2020 00:00:00	22-01-2020 00:00:00	1	Outside Campus	0	0	103	25	128	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6500	No
67	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	17-01-2020 00:00:00	17-01-2020 00:00:00	1	Outside Campus	74	0	0	0	74	No		No
68	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	13-01-2020 00:00:00	13-01-2020 00:00:00	1	Within Campus	0	0	36	3	39	No		No
69	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	10-01-2020 00:00:00	10-01-2020 00:00:00	1	Within Campus	52	0	0	0	52	No		No
70	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Outside Campus	0	0	72	3	75	No		No
71	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Outside Campus	0	0	0	65	65	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6400	No

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

72	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	07-01-2020 00:00:00	07-01-2020 00:00:00	1	Within Campus	0	0	0	35	35	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14000	No
73	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	03-01-2020 00:00:00	03-01-2020 00:00:00	1	Within Campus	0	0	42	2	44	No	No	
74	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Within Campus	0	0	0	15	15	No	No	
75	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	13-12-2019 00:00:00	13-12-2019 00:00:00	1	Outside Campus	0	0	0	136	136	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6200	No
76	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	12-12-2019 00:00:00	12-12-2019 00:00:00	1	Outside Campus	0	0	0	20	20	No	No	
77	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	08-03-2020 00:00:00	08-03-2020 00:00:00	1	Outside Campus	0	0	0	36	36	No	No	
78	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	08-03-2020 00:00:00	08-03-2020 00:00:00	1	Outside Campus	0	0	0	23	23	No	No	
79	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	08-03-2020 00:00:00	08-03-2020 00:00:00	1	Outside Campus	0	0	0	24	24	No	No	
80	Innovative concept in Ocean Engineering	Innovation	Workshop	Institute Lead Activity	Water Resources and Ocean Enggg. Dept.	26-04-2019 00:00:00	26-04-2019 00:00:00	1	Within Campus	55	5	0	4	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	60000	No
81	Geospatial Technologies	Innovation	Training	Institute Lead Activity	Water Resources and Ocean Enggg. Dept.	01-07-2019 00:00:00	31-07-2019 00:00:00	31	Within Campus	6	6	20	0	32	No	No	

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

82	Coastal Reservoirs as a sustainable strategy for water security	Innovation	Workshop	Institute Lead Activity	Water Resources and Ocean Enggg. Dept.	22-07-2019 00:00:00	24-07-2019 00:00:00	3	Within Campus	15	5	35	5	60	No	No			
83	Design and analysis of offshore floating and turbine	Innovation	Workshop	Institute Lead Activity	Water Resources and Ocean Enggg. Dept.	03-09-2019 00:00:00	07-09-2019 00:00:00	5	Within Campus	10	2	21	18	51	No	No			
84	Environmental loads and Design Approach for Fixed and Floating Offshore Structures	Innovation	Workshop	Institute Lead Activity	Water Resources and Ocean Engg. Dept.	24-12-2019 00:00:00	27-12-2019 00:00:00	4	Within Campus	18	2	28	2	50	No	No			
85	Hands-On Training on Smart Grid Technologies	Innovation	Training	Institute Lead Activity	Centre of Excellence in Smart Grid Technologies, NITK, Surathkal	17-09-2019 00:00:00	28-09-2019 00:00:00	12	Within Campus	80	2	0	0	82	No	No			
86	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Outside Campus	0	0	110	14	124	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>1500</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1500																		
87	25/9/19	Innovation	Workshop	Institute Lead Activity	Center for System Design	25-09-2019 00:00:00	25-09-2019 00:00:00	1	Outside Campus	0	0	86	10	96	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>2100</td> </tr> </table>		Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2100	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2100																		
88	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	26-09-2019 00:00:00	26-09-2019 00:00:00	1	Within Campus	0	0	47	0	47	No	No			
89	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	0	0	54	0	54	No	No			
90	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	11-10-2019 00:00:00	11-10-2019 00:00:00	1	Outside Campus	0	0	55	6	61	No	No			

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

91	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	23-10-2019 00:00:00	23-10-2019 00:00:00	1	Outside Campus	0	0	550	23	573	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13000	No
92	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	26-10-2019 00:00:00	26-10-2019 00:00:00	1	Outside Campus	0	0	54	91	145	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11600	No
93	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	30-10-2019 00:00:00	30-10-2019 00:00:00	1	Outside Campus	0	0	29	2	31	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	920	No
94	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	31-10-2019 00:00:00	31-10-2019 00:00:00	1	Outside Campus	0	0	227	21	248	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
95	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	06-11-2019 00:00:00	06-11-2019 00:00:00	1	Outside Campus	0	0	36	84	120	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	1100	No
96	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	14-11-2019 00:00:00	14-11-2019 00:00:00	1	Outside Campus	0	0	59	2	61	No		No
97	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	16-11-2019 00:00:00	16-11-2019 00:00:00	1	Within Campus	0	0	50	2	52	No		No
98	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	20-11-2019 00:00:00	20-11-2019 00:00:00	1	Within Campus	0	0	25	1	26	No		No
99	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	27-11-2019 00:00:00	27-11-2019 00:00:00	1	Within Campus	0	0	66	3	69	No		No
100	Virtual Lab Workshop	Innovation	Workshop	Institute Lead Activity	Center for System Design	10-12-2019 00:00:00	10-12-2019 00:00:00	1	Within Campus	0	0	30	2	32	No		No

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

101	Virtual Lab Workshop - Online	Innovation	Seminar	Institute Lead Activity	Center for system Design	27-01-2020 00:00:00	27-01-2020 00:00:00	1	Outside Campus	264	0	0	0	264	No	No	
102	Five days short term technical programme	Innovation	Training	Institute Lead Activity	Mechanical Engineering	11-02-2020 00:00:00	15-02-2020 00:00:00	5	Outside Campus	50	0	0	0	50	No	No	
103	Recent Trends in design using analytical and computational approaches	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	10-02-2020 00:00:00	14-02-2020 00:00:00	5	Outside Campus	40	10	10	6	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	No
104	National Workshop on Computations of intelligent optimization techniques for engineering problems	Innovation	Workshop	Institute Lead Activity	Mechanical Engineering	19-09-2019 00:00:00	21-09-2019 00:00:00	3	Within Campus	40	20	36	4	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	125097	No
105	2nd International Conference on Design, Materials and Manufacture	Innovation	Conference	Institute Lead Activity	NITK DIAMOND Jubilee year 2019-21	09-12-2019 00:00:00	13-12-2019 00:00:00	5	Within Campus	30	45	55	60	190	No	No	

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	Toastmasters Youth Leadership Program	Innovation	Workshop	NITK Toastmasters Club	Educational Institute	04-03-2020 00:00:00	13-03-2020 00:00:00	10	52	1	53	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

2	11th International Exergy, Energy and Environment Symposium 2019	Innovation	Conference	SRM University	Educational Institute	14-07-2019 00:00:00	18-07-2019 00:00:00	5	3	0	3	Yes	Best Paper Award	Synthesis of Praseodymium Doped Ceria based electrolyte material by Hydrothermal Method	Total Total Expense Amount Incurred by Institute? (In Rupees)	10000	Award / Position / Recognition Secured	Best Paper Award
																	Title of Innovation / Start-up Secured the Award / Recognition	Synthesis of Praseodymium Doped Ceria based electrolyte material by Hydrothermal Method
																	Award/Recognition/Achievement Received for	Novel Research Paper/Work
3	International Conference On Electrochemistry	Innovation	Conference	Indian Society for ElectroAnalytical Chemistry (ISEAC)	Govt. Agency (Central)	21-01-2020 00:00:00	25-01-2020 00:00:00	5	4	0	4	Yes	Young Scholar award	Sintering Mechanism For The Early Stage Sintering Of Praseodymium Doped Ceria	Total Total Expense Amount Incurred by Institute? (In Rupees)	40000	Award / Position / Recognition Secured	Young Scholar award
																	Title of Innovation / Start-up Secured the Award / Recognition	Sintering Mechanism For The Early Stage Sintering Of Praseodymium Doped Ceria
																	Award/Recognition/Achievement Received for	Novel Research Paper/Work
4	IIC Innovation Ambassador Training Series	Innovation	Training	MHRDs Innovation cell	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	0	1	1	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	9000	No	
5	Workshop on Effective Digitization of Course Content for Blended Learning and Flipped Classroom	Innovation	Workshop	TEQIP-III NITK	Educational Institute	09-03-2020 00:00:00	10-03-2020 00:00:00	2	0	2	2	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

6	Indian Mining Day Competitions by MEAI Bangalore Chapter	Innovation	Innovation Contest	MEAI Bangalore Chapter	Corporate / Industry Association	11-01-2020 00:00:00	11-01-2020 00:00:00	1	10	0	10	No	---	---	No	No
7	Workshop on Space Technology Applications	Innovation	Workshop	ISRO-NITK	Govt. Agency (Central)	03-01-2020 00:00:00	04-01-2020 00:00:00	2	400	250	650	No	---	---	No	No
8	SheHack 2019 (Final Onsite)	Innovation	Hackathon	Gojek India	Corporate / Industry Association	09-11-2019 00:00:00	10-11-2019 00:00:00	2	1	0	1	No	---	---	No	No
9	IISc Pravega Hackathon (Final Round)	Innovation	Hackathon	Indian Institute of Science Bangalore	Govt. Agency (Central)	31-01-2020 00:00:00	01-02-2020 00:00:00	2	1	0	1	No	---	---	No	No
10	Expert Lecture on IoT and Smart Sensing for Smart City, Smart Class and Smart Home	Innovation	Training	Bapatla Engineering College, Bapatla, Guntur District, A.P	Educational Institute	21-07-2019 00:00:00	21-07-2019 00:00:00	1	0	1	1	No	---	---	No	No
11	National Board of Accreditation, New Delhi Orientation Workshop on Outcome Based Education and Accreditation	Innovation	Workshop	India Habitat Center, New Delhi	Corporate / Industry Association	31-08-2019 00:00:00	31-08-2019 00:00:00	1	0	1	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

12	Keynote Talk on Current Research Scenarios in Biomedical and Healthcare Informatics Faculty Development Program on Research Trends in Biomedical Engineering	Innovation	Seminar	SJEC, Mangalore	Educational Institute	08-01-2020 00:00:00	10-01-2020 00:00:00	3	0	1	1	No	---	---	No	No
13	Keynote talk on Predictive Analytics Case Studies, Research Challenges 2-Day Conference on Data Mining and Predictive Analytics	Innovation	Conference	CUK Periyar, Kasargod, Kerala	Educational Institute	17-01-2020 00:00:00	18-01-2020 00:00:00	2	0	1	1	No	---	---	No	No
14	Expert Lecture on Artificial Intelligence and Deep Learning Research Challenges and Some Application Scenarios	Innovation	Training	MIT Manipal, Udupi, Karnataka	Educational Institute	02-03-2020 00:00:00	02-03-2020 00:00:00	1	0	1	1	No	---	---	No	No
15	AICTE approved FDP on Data Science-ATAL	Innovation	Workshop	CUSAT, Cochin	Educational Institute	31-01-2020 00:00:00	31-01-2020 00:00:00	1	0	1	1	No	---	---	No	No
16	Calendar Event Guest Lectures	Innovation	Seminar	MVJ, Bangalore	Educational Institute	19-10-2019 00:00:00	19-10-2019 00:00:00	1	0	1	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

17	CSIR Sponsere d Two day National Seminar on recent trends in Cognitive Machine Learning 29-30, August 2019	Innovatio n	Seminar	Karpaga m College of Engg- Coimbatore	Educatio nal Institute	29-08-20 19 00:00:00	30-08-20 19 00:00:00	2	0	1	1	No	---	---	No	No
18	Practical Approach to NLP	Innovatio n	Worksho p	SREC, Co imbatore	Educatio nal Institute	09-09-20 19 00:00:00	09-09-20 19 00:00:00	1	0	1	1	No	---	---	No	No
19	Faculty Develop ment Program me on Deep Learning	Innovatio n	Worksho p	LBS, Kasarkod e	Educatio nal Institute	09-07-20 19 00:00:00	11-07-20 19 00:00:00	3	0	1	1	No	---	---	No	No
20	Faculty Develop ment Program me on Deep Learning(3rd to 8th june 2019)	Innovatio n	Worksho p	National Institute of Technolo gy Andhra Pradesh	Educatio nal Institute	03-06-20 19 00:00:00	08-06-20 19 00:00:00	6	0	1	1	No	---	---	No	No
21	Artificial Neural Networks and Deep Learning(3rd to 8th June, 2019) organize d by E and ICT Academy -NITW	Innovatio n	Worksho p	MVGR COLlege of Engineeri ng, Vizianag aram	Educatio nal Institute	03-06-20 19 00:00:00	08-06-20 19 00:00:00	6	0	1	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

22	Faculty Development Program on Deep Learning and its applications(24th to 29th June 2019) organized by E and ICT Academy, National Institute of Technology, Warangal	Innovation	Workshop	PVP Siddhartha Institute of Technology Vijayawada	Educational Institute	24-06-2019 00:00:00	29-06-2019 00:00:00	6	0	1	1	No	---	---	No	No										
23	Smart India Hackathon	Innovation	Hackathon	MHRD	Govt. Agency (Central)	25-01-2020 00:00:00	25-01-2020 00:00:00	1	2500	10	2510	Yes	Second prize	Direction Finder without using Internet	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>35000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	35000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Second prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Direction Finder without using Internet</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	Second prize	Title of Innovation / Start-up Secured the Award / Recognition	Direction Finder without using Internet	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Total Total Expense Amount Incurred by Institute? (In Rupees)	35000																									
Award / Position / Recognition Secured	Second prize																									
Title of Innovation / Start-up Secured the Award / Recognition	Direction Finder without using Internet																									
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																									
24	HackVerse 2020	Innovation	Hackathon	MHRD	Govt. Agency (Central)	25-01-2020 00:00:00	26-01-2020 00:00:00	2	2500	10	2510	Yes	Second prize	Non-instrusive Attendance system using Bluetooth	<table border="1"> <tr> <td>Total Total Expense Amount Incurred by Institute? (In Rupees)</td> <td>700000</td> </tr> </table>		Total Total Expense Amount Incurred by Institute? (In Rupees)	700000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Second prize</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Non-instrusive Attendance system using Bluetooth</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>		Award / Position / Recognition Secured	Second prize	Title of Innovation / Start-up Secured the Award / Recognition	Non-instrusive Attendance system using Bluetooth	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Total Total Expense Amount Incurred by Institute? (In Rupees)	700000																									
Award / Position / Recognition Secured	Second prize																									
Title of Innovation / Start-up Secured the Award / Recognition	Non-instrusive Attendance system using Bluetooth																									
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																									

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

25	AICTE Sponsored Two weeks FDP on Emerging Trends in Medical Image Processing and its Applications	Innovation	Skill development	AIT Chikmagaluru	Educational Institute	10-12-2019 00:00:00	20-12-2019 00:00:00	11	20	20	40	No	---	---	No	No
26	Technical Talk on Predictive Analytics for Internet of Things	Innovation	Motivational speak	Alvas Institute of Information Science and Engineering	Educational Institute	17-09-2019 00:00:00	17-09-2019 00:00:00	1	50	50	100	No	---	---	No	No
27	International Conference on Advances in System, Control, Computing	Innovation	Conference	MNIT Jaipur	Educational Institute	27-02-2020 00:00:00	28-02-2020 00:00:00	2	100	10	110	No	---	---	No	No
28	Visvesvaraya PhD Scheme for Electronics and IT and ITES Fifth Workshop for Presentation of Research Work	Innovation	Workshop	Punjab Engineering College, Chandigarh	Educational Institute	17-07-2019 00:00:00	19-07-2019 00:00:00	3	50	0	50	No	---	---	No	No
29	5 Day Workshop on Network Security	Innovation	Workshop	MVJ College of Engineering Bangalore	Educational Institute	08-02-2020 00:00:00	13-02-2020 00:00:00	6	50	0	50	No	---	---	No	No
30	Workshop on Effective Digitization of Course Content for Blended Learning and Flipped Classrooms	Innovation	Workshop	NITK, Surathkal	Educational Institute	09-03-2020 00:00:00	10-03-2020 00:00:00	2	50	0	50	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

31	Automated Traffic Light Signal Violation Detection System using CNN	Innovation	Conference	NIT Patna	Educational Institute	12-12-2019 00:00:00	29-12-2019 00:00:00	18	50	0	50	No	---	---	No	No
32	Invited Talk-FICTA 2020	Innovation	Conference	NITK, Surathkal	Educational Institute	04-01-2020 00:00:00	05-01-2020 00:00:00	2	50	0	50	No	---	---	No	No
33	Resource Person - FDP - MVJCE Mysuru	Innovation	Skill development	MVJCE, Mysuru	Educational Institute	30-01-2020 00:00:00	01-02-2020 00:00:00	3	100	0	100	No	---	---	No	No
34	Machine Intelligence and soft computing	Innovation	Workshop	Reva University, Bangalore	Educational Institute	06-10-2019 00:00:00	15-10-2019 00:00:00	10	50	5	55	No	---	---	No	No
35	AICTE sponsored two weeks FDP on Recent Trends and Resesarch Challenges in computer Science and Engineering - Systematic and Scientific Approaches	Innovation	Workshop	SITAMS, Chittoor	Educational Institute	06-10-2019 00:00:00	06-10-2019 00:00:00	1	50	50	100	No	---	---	No	No
36	Twinning Activity (Mechanical Department, Government Engineering College, Jhalawar, Rajasthan)	Innovation	Mentoring Session	NITK	Educational Institute	09-02-2020 00:00:00	16-02-2020 00:00:00	8	6	60	66	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	57th National Metallurgists Day and 73rd Annual Technical Meeting of Indian Institute of Metals (IIM)	Innovation	Conference	Indian Institute of Metals	Educational Institute	13-11-2019 00:00:00	16-11-2019 00:00:00	4	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	7000	No
38	Indo US workshop on Metal Additive Manufacturing Technology Gaps and research Directions	Innovation	Workshop	PSG Institute of Advance Studies	Educational Institute	16-12-2019 00:00:00	18-12-2019 00:00:00	3	0	2	2	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	6000	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Advanced Course on Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	School Of Management	01-01-2020	31-05-2020	152	Offline	49	45
2	Project Management	Entrepreneurship/Startup	Elective/Core Credit Course	Master	School Of Management	01-01-2020	31-05-2020	152	Offline	40	42
3	Foundation Course on Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	School Of Management	01-07-2020	31-12-2020	184	Online	54	40
4	Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Master	School Of Management	01-01-2020	31-05-2020	152	Offline	35	45

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	Workshop on Geomatics	Innovation	Employment Generation Training Programs	NITK STEP	02-01-2020	06-01-2020	5	Offline	19	35
2	Python and its Applications	Innovation	Employment Generation Training Programs	NITK STEP	03-02-2020	07-02-2020	5	Offline	12	40
3	Fundamentals of Image Processing and Computer Vision using Python Programmin	Innovation	Employment Generation Training Programs	NITK STEP	02-11-2020	06-11-2020	5	Online	26	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. Khyati Verma	Mechanical Engg	Assistant Professor Grade two	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
	Innovation Ambassadors Workshop	Innovation	Short term Certificate	MoE	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	Offline
2	Dr. Maneesh Kumar Poddar	Chemical Engg	Assistant Professor Grade Two	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
	Innovation Ambassadors training Programme	Entrepreneurship/Startup	Short term Certificate	MoE	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	Offline
3	Dr. Vishawanath K P	Mathematical and Computational Sciences	Assistant Professor Grade One	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
	Innovation Ambassadors Workshop	IPR	Short term Certificate	MoE	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	Offline
4	Dr. Senthil Tilak	Mathematical and Computational Sciences	Assistant Professor Grade One	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
	Innovation Ambassadors Workshop	Innovation	Short term Certificate	MoE	Govt. Agency (Central)	26-02-2020 00:00:00	27-02-2020 00:00:00	2	Offline
5	Dr. Madhusudan S	Mathematical and Computational Sciences	Associate Professor	No	No				
6	Prof. Venkatesa Perumal	Electrical and Electronics engg	Professor	No	No				
7	Prof. K V Gangadharan	Center for System Design	Professor	No	No				
8	Dr. Pruthviraj U	Center for System Design	Assistant Professor Grade One	No	No				
9	Dr. Ajay Kumar Yadav	Mechanical Engg	Assistant Professor Grade One	No	No				
10	Dr. A S Balu	Civil Engg	Assistant Professor Grade One	No	No				
11	Dr. Bijay Kunar	Mining Engg	Assistant Professor Grade One	No	No				
12	Dr. C Rajasekaran	Civil Engg	Assistant Professor Grade One	No	No				
13	Dr. Mohit Tahiliani	Comp Science and Engg	Assistant Professor Grade One	No	No				
14	Dr. Ritanjali Majhi	School of Management	Associate Professor	No	No				
15	Dr. Pathipati Srihari	Electronics and Communication Engg	Assistant Professor Grade One	No	No				

16	Prof. Arun Isloor	Chemistry	Professor	No	No
17	Dr. Sowmya Kamath S	Information Technology	Assistant Professor Grade One	No	No
18	Dr. Suprabha K R	School of Management	Assistant Professor Grade One	No	No

List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	E-Cell	Startup Club	2017	Work Stations	Incubation Unit, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre	2	G S Nikhil	gsnikhil333@gmail.com	7760646723
2	NITK Racing	Innovation Club	2001	3D Printing	Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools	3	Amrut Nanjangud	amruthnanjangud@yahoo.com	8197104679
3	BAJA	Innovation Club	2001	Co-working Space, Work Stations	Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools	2	Adithya Prabhu	adithyaprabhu98@gmail.com	9482303166
4	Web Enthu Club	Idea Club	2011	Work Stations	Centre of Excellence with Advance Tools	5	Madhumitha Nara	madhumithanara.171it125@nitk.edu.in	8242473047
5	IEEE NITK Chapter	Idea Club	2003	Work Stations	Centre of Excellence with Advance Tools	6	Adithya Prabhu	adithyaprabhu98@gmail.com	9482303166
6	IE NITK	Innovation Club	2010	Work Stations	Centre of Excellence with Advance Tools	3	Mishal Shah	shahmishal1998@gmail.com	9725801399
7	Flying And Robotics Club	Innovation Club	2002	Work Stations	Centre of Excellence with Advance Tools	2	Nishant Kumar	nishantkr1997@gmail.com	9481166211
8	IET NITK	Innovation Club	2010	Work Stations	Centre of Excellence with Advance Tools	2	Bhargav S S	bhargav.s.s9876@gmail.com	9482303166
9	Society of Automotive Engineers (SAE)	Innovation Club	2005	Work Stations	Centre of Excellence with Advance Tools	2	Rahul Madhogarhia	madhogarhiarahul@gmail.com	7030881058

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?
------	-------------------------------	------------------	-----------------------	--	---	---	------------------	---	---	--	--

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)

1	NITK-Science & Technology Entrepreneurs Park, Surathkal	Innovation Centre	1994	Co-working Space	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. B. Venkatesa Perumal (Professor Incharge)</td> </tr> <tr> <td>Facility Incharge Email</td> <td>step@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9980861389</td> </tr> </table>	Facility Incharge Name	Prof. B. Venkatesa Perumal (Professor Incharge)	Facility Incharge Email	step@nitk.edu.in	Facility Incharge Phone	9980861389	25	No	<table border="1"> <tr> <td colspan="2">Yes</td> <td>No</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>0</td> <td rowspan="3"></td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>988917</td> </tr> </table>	Yes		No	Total Annual Income from Training and Skill Development Services (In Rupees)	0		Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	988917
Facility Incharge Name	Prof. B. Venkatesa Perumal (Professor Incharge)																									
Facility Incharge Email	step@nitk.edu.in																									
Facility Incharge Phone	9980861389																									
Yes		No																								
Total Annual Income from Training and Skill Development Services (In Rupees)	0																									
Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0																									
Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	988917																									

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

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?						
1	Centre of Excellence in Smart Grid Technologies	2015	Innovation Labs	Ministry of Education	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. K.P. Vittal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>vittal@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8242473454</td> </tr> </table>	Facility Incharge Name	Prof. K.P. Vittal	Facility Incharge Email	vittal@nitk.edu.in	Facility Incharge Phone	8242473454	0	No	No	Yes
Facility Incharge Name	Prof. K.P. Vittal														
Facility Incharge Email	vittal@nitk.edu.in														
Facility Incharge Phone	8242473454														

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

Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)								
Funding Agency		Ministry of Education			Govt. Agency (Central)		20000000								
2	3D Online Modeler	2019	Innovation Labs	MRPL Project - Design & Development of Lightweight portable oil skimmer	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Pruthvi raj U</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pruthviu@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99727 97225</td> </tr> </table>	Facility Incharge Name	Dr. Pruthvi raj U	Facility Incharge Email	pruthviu@nitk.edu.in	Facility Incharge Phone	99727 97225	0	No	No	No
Facility Incharge Name	Dr. Pruthvi raj U														
Facility Incharge Email	pruthviu@nitk.edu.in														
Facility Incharge Phone	99727 97225														
3	3D Scanner	2020	Innovation Labs	IRG Fund	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Pruthvi raj U</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pruthviu@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99727 97225</td> </tr> </table>	Facility Incharge Name	Dr. Pruthvi raj U	Facility Incharge Email	pruthviu@nitk.edu.in	Facility Incharge Phone	99727 97225	0	No	No	No
Facility Incharge Name	Dr. Pruthvi raj U														
Facility Incharge Email	pruthviu@nitk.edu.in														
Facility Incharge Phone	99727 97225														
4	Switched Reluctance Motor Drive	2020	Innovation Labs	DHI - SRM Project -TPEM 070	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Pruthvi raj U</td> </tr> <tr> <td>Facility Incharge Email</td> <td>pruthviu@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99727 97225</td> </tr> </table>	Facility Incharge Name	Dr. Pruthvi raj U	Facility Incharge Email	pruthviu@nitk.edu.in	Facility Incharge Phone	99727 97225	0	No	No	No
Facility Incharge Name	Dr. Pruthvi raj U														
Facility Incharge Email	pruthviu@nitk.edu.in														
Facility Incharge Phone	99727 97225														
5	NITK-Science & Technology Entrepreneurs Park, Surathkal	1994	Pre-Incubation, Incubation Unit, Innovation Park/Research Park		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. B Venkatesa Perumal</td> </tr> <tr> <td>Facility Incharge Email</td> <td>step@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>82424 75490</td> </tr> </table>	Facility Incharge Name	Prof. B Venkatesa Perumal	Facility Incharge Email	step@nitk.edu.in	Facility Incharge Phone	82424 75490	25	Yes	No	No
Facility Incharge Name	Prof. B Venkatesa Perumal														
Facility Incharge Email	step@nitk.edu.in														
Facility Incharge Phone	82424 75490														

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

6	Center for System Design	2010	Pre-Incubation, Incubation Unit, Innovation Labs, Innovation Park/Research Park, IPR Cell/Technology Transfer Centre	DST	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. K V Ganga dharan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>kvganga@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9448478752</td> </tr> </table>	Facility Incharge Name	Prof. K V Ganga dharan	Facility Incharge Email	kvganga@nitk.edu.in	Facility Incharge Phone	9448478752	28	No	No	No
Facility Incharge Name	Prof. K V Ganga dharan														
Facility Incharge Email	kvganga@nitk.edu.in														
Facility Incharge Phone	9448478752														

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility 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 Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	NITK-Science & Technology Entrepreneur's Park, Surathkal	1994	Innovation Labs	No	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof.B. Venkatesa Perumal(Professor Incharge)</td> </tr> <tr> <td>Facility Incharge Email</td> <td>step@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9980861389</td> </tr> </table>	Facility Incharge Name	Prof.B. Venkatesa Perumal(Professor Incharge)	Facility Incharge Email	step@nitk.edu.in	Facility Incharge Phone	9980861389	25	No	No	No
Facility Incharge Name	Prof.B. Venkatesa Perumal(Professor Incharge)														
Facility Incharge Email	step@nitk.edu.in														
Facility Incharge Phone	9980861389														

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park 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 Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
------	--	-----------------------	--	--	------------------	---	--	---	---

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

1	NITK STEP	1994	Incubation Unit		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. B. Venkatesa Perumal(Professor Incharge)</td> </tr> <tr> <td>Facility Incharge Email</td> <td>step@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99808 61389</td> </tr> </table>	Facility Incharge Name	Prof. B. Venkatesa Perumal(Professor Incharge)	Facility Incharge Email	step@nitk.edu.in	Facility Incharge Phone	99808 61389	25	No	No	No
Facility Incharge Name	Prof. B. Venkatesa Perumal(Professor Incharge)														
Facility Incharge Email	step@nitk.edu.in														
Facility Incharge Phone	99808 61389														

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/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	Industry Institute Partnership - IIP Cell	1989	Pre-Incubation, Incubation Unit, Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Subray Hegde</td> </tr> <tr> <td>Facility Incharge Email</td> <td>iipcell@nitk.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>97319 42232</td> </tr> </table>	Facility Incharge Name	Dr. Subray Hegde	Facility Incharge Email	iipcell@nitk.edu.in	Facility Incharge Phone	97319 42232	3	Yes	No	No
Facility Incharge Name	Dr. Subray Hegde														
Facility Incharge Email	iipcell@nitk.edu.in														
Facility Incharge Phone	97319 42232														

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. Suprabha K R	Assistant Professor Grade one	Entrepreneurship/Startup Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Gurabagi Solutions Pvt Ltd		Within	U74999MH2017PTC295377
2	Dr. Suprabha K R	Assistant Professor Grade one	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Bitbus		Within	NA
3	Dr. Suprabha K R	Assistant Professor Grade one	Entrepreneurship/Startup Development	4

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)
	OxyHeal	Within	U33119KA2020PTC136785
4	Dr. Suprabha K R	Assistant Professor Grade one	Idea/Innovation Development,Entrepreneurship/Startup Development
			4
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	ChangePay	Within	NA
5	Dr. Vishawanath K P	Assistant Professor Grade One	Idea/Innovation Development,Entrepreneurship/Startup Development
			2
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	National Idea Contest Mentore	Outside	NA
6	Dr. Maneesh Kumar Poddar	Assistant Professor Grade Two	Idea/Innovation Development,Entrepreneurship/Startup Development
			2
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	National Idea Contest Mentore	Outside	NA
7	Dr. Khyati Verma	Assistant Professor Grade two	Idea/Innovation Development,Entrepreneurship/Startup Development
			2
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	National Idea Contest Mentore	Within	NA
8	Dr. Senthil Tilak	Assistant Professor Grade One	Idea/Innovation Development,Entrepreneurship/Startup Development
			2
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	National Idea Contest Mentore	Within	NA
9	Dr. Sowmya Kamath S	Assistant Professor Grade One	Entrepreneurship/Startup Development
			4
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Gurabagi Solutions Pvt Ltd	Within	U74999MH2017PTC295377
10	Dr. Sowmya Kamath S	Assistant Professor Grade One	Entrepreneurship/Startup Development
			4
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	OxyHeal	Within	U33119KA2020PTC136785
11	Prof. Venkatesa Perumal	Professor	Entrepreneurship/Startup Development
			5
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	NITK STEP	Within	NA

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

12	Dr. Madhusudan S	Associate Professor	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
13	Dr. Ajay Kumar Yadav	Assistant Professor Grade One	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
14	Dr. Bijay Kunar	Assistant Professor Grade One	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
15	Dr. A S Balu	Assistant Professor Grade One	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
16	Dr. Mohit Tahiliani	Assistant Professor Grade One	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
17	Dr. C Rajasekaran	Assistant Professor Grade One	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Startup Cell		Within	NA
18	Dr. Ritanjali Majhi	Associate Professor	Entrepreneurship/Startup Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	E-Cell		Within	NA
19	Prof. K V Gangadharan	Professor	Entrepreneurship/Startup Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	OxyHeal		Within	U33119KA2020PTC136785
20	Dr. Pruthviraj U	Assistant Professor Grade One	Entrepreneurship/Startup Development	4

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)
	OxyHeal		Within	U33119KA2020PTC136785
21	Prof. Arun Isloor	Professor	Entrepreneurship/Startup Development	
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Apahatech Solutions LLP		Within	AAO-1342
22	Dr. Pathipati Srihari	Assistant Professor Grade One	Entrepreneurship/Startup Development	
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	SRI SHASHA PRAYATHI TECHNOLOGIES PRIVATE LIMITED		Within	U72900KA2020PTC132824

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	Wadhvani Foundation		Entrepreneurship/Startup 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
	MoU with Wadhvani Foundation	01-04-2019	31-03-2020	70	3	80	Growth Stage Startup
2	National Law School		IPR Protection & Commercialization				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
	MoU with National Law School	01-04-2019	31-03-2020	25	3	50	Growth Stage Startup

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

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startup/SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype /Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
------	--	--------------------	----------------------	--	-------------------------	--	---	--	--	--	--	--	---

1	Transition Metal oxide based devices for nonvolatile resistive random access memory applications	Process Innovation	Non-Technological	Department of Physics	Faculty	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	No	No	No
Name		Type			Gender		Email			Contact			
Partha Pratim Das		Faculty			Male		daspm@nitk.edu.in			7259113467			

Name		Type			Gender		Email			Contact		2		
Alleviating the Tension in the Cosmic Microwave Background and Using Planck-Scale Physics	Process Innovation	Non-Technological	Department of Physics	Faculty	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	Agency Name forbes		No	No		No	No
								Agency Type Corporate / Industry Association						
								Award / Position / Recognition Secured	Featured in Forbes magazine					
Name		Type			Gender		Email			Contact				
V. Sreenath		Faculty			Male		sreenath@nitk.edu.in			9962390995				

Name		Type			Gender		Email			Contact		3
Abhay Ashtekar		Faculty			Male		sreenath@nitk.edu.in			9962390995		
Brajesh Gupt		Faculty			Male		sreenath@nitk.edu.in			9962390995		
Donghui Jeong		Faculty			Male		sreenath@nitk.edu.in			9962390995		

Dynamics of Low Energy Antifibrillation Pacing; Unpinning pinned rotating waves using far-field electric pulses	Process Innovation	Non-Technological	Department of Physics	Faculty	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	No	No	No	
---	--------------------	-------------------	-----------------------	---------	--	--	----------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Shajahan T. K.	Faculty	Male	shajahan.tk@gmail.com	7899466025		

4	Development and characterization of Advances solar cells	Process Innovation	Non-Technological	Department of Physics	Faculty	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	No	No	No
---	--	--------------------	-------------------	-----------------------	---------	--	--	----------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Kartick Tarafder	Faculty	Male	karticktarafder@gmail.com	9948690175

Name	Type	Gender	Email	Contact	5							
Variable Stiffness Magneto rheological Isolator	Product Innovation	Technological	CSD	Student-Faculty		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	No	No

Name	Type	Gender	Email	Contact
Prof K V Gangadharan	Faculty	Male	kvganga@nitk.edu.in	9448478752

Name	Type	Gender	Email	Contact	6
Katari Kiran	Student	Male	kiran.katari@hotmail.com	8500722781	

The Pedodontic Syringe	Product Innovation	Technological	Center for System Design	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 Ashwin Rao		Innovator/Entrepreneur External to Institute		Male		kvganga@nitk.edu		08242473915				
Name		Type		Gender		Email		Contact				
Prof K V Gangadharan		Faculty		Male		kvganga@nitk.edu		9448478752				
Magneto rheological Elastomer based torsional Vibration Isolator in shear mode operation	Product Innovation	Technological	Center for System Design	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact				
Prof K V Gangadharan		Faculty		Male		kvganga@nitk.edu.in		9448478752				
Name		Type		Gender		Email		Contact				
Subhasankar Dwibedi		Student		Male		shubha261@gmail.com		9609777835				
Praveen Shenoy K		Student		Male		praveenshenoyk@gmail.com		9845253954				
Smart Grid Emulator	Product Innovation	Technological	Smart Grid Technology Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact				
Prof. K.P Vittal		Faculty		Male		vittal@nitk.edu.in		8242473454				
Name		Type		Gender		Email		Contact				
Dr. Nagaraja R		Innovator/Entrepreneur External to Institute		Male		nagaraja@prdcinfotech.com		9845458903				

7

8

9

A System and Method for Generating Interoperable, Federated Patient Knowledgebase for Clinical Decision Support Applications	Process Innovation	Technological	Information Technology	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 Completed	No	No	70900	No	No
--	--------------------	---------------	------------------------	-----------------	---	---	----------------------------------	----	----	-------	----	----

Name	Type	Gender	Email	Contact
Dr.Sowmya Kamath	Faculty	Female	sowmyakamath@nitk.edu.in	8242473557

Name	Type	Gender	Email	Contact
Gokul S Krishnan	Student	Male	gsk1692@gmail.com	8242473047

COVIDX - cost-effective, AI based COVID diagnosis tool	Product Innovation	Technological	Information Technology	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	778000	No	No
--	--------------------	---------------	------------------------	-----------------	---	---	--------------------------------	----	----	--------	----	----

Name	Type	Gender	Email	Contact
Dr.Sowmya Kamath	Faculty	Female	sowmyakamath@nitk.edu.in	8242473557

Name	Type	Gender	Email	Contact
Veena Mayya	Student	Female	mayya.veena@gmail.com	8242473047

10

11

Peer Consonance in Blockchain based Healthcare Applications using AI-Based Consensus Mechanism	Service Innovation	Technological	Information Technology	Faculty	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	Agency Name	IC CC NT, IIT Kh arapur, 20 20	No	No	No	No	
								Agency Type	Educa tional Insti tute					
								Award / Position / Recognition Secured	Pa per Publis hed					

Name	Type	Gender	Email	Contact	Name	Email
Dr.Kiran Manjappa	Faculty	Female	kiranmanjappa@nitk.edu.in	9886539400		

12	Video Surveillance for the Crime Detection using Features	Process Innovation	Technological	Information Technology	Student-Faculty	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	Agency Name	AMLTA 2020	No	Grant Amount in Rs 10000	No	No
									Agency Type	Educa tional Insti tute				
									Award / Position / Recognition Secured	Publis hed as a Researc h Paper in the conferen ce AMLTA 2020				

Name	Type	Gender	Email	Contact
Aastha Chowdhary	Student	Female	aasthac67@gmail.com	9113547917

Name	Type	Gender	Email	Contact
Dr. Bhawana Rudra	Faculty	Female	bhawanarudra7@gmail.com	9502742465

13	Image Vision Nano IC	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
	Name		Type		Gender		Email		Contact				
	Dr. Sandeep Kumar		Faculty		Male		sandeep@nitk.edu.in		9654463102				
	Name		Type		Gender		Email		Contact				
Prof. Hanjung Song		Faculty		Male		hjsong@inje.ac.kr		8242474055					
14	Intel Embedded Initiative	Service Innovation	Technological	Electronics and Communication Engineering	Faculty	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	530000	No	No
	Name		Type		Gender		Email		Contact				
	Dr. Sumam David S		Faculty		Female		sumam_david@yahoo.com		9448724563				
	Name		Type		Gender		Email		Contact				
Dr. Ramesh Kini M		Faculty		Male		rameshkinim@yahoo.com		9743080525					
15	Advanced Research Lab in RF Communications and Networks (Funding Agency- DST, Govt.of India) Rs. 116 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	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	11600000	No	No
	Name		Type		Gender		Email		Contact				
	Dr. Muralidhar Kulkarni		Faculty		Male		mkuldce@gmail.com		9686588668				
	Name		Type		Gender		Email		Contact				
	Dr. U Shripathi Acharya		Faculty		Male		sripati.acharya1@gmail.com		9845056189				
Dr. M S Bhat		Faculty		Female		msb@nitk.edu.in		9448887426					

16	Special Manpower Development Project on VLSI (SMDP-VLSI) phase-III – Chips-to-Systems. (Funding Agency- DIT, MCIT, Govt. of India) Rs. 1.6 Crores	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	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 16 00 00 00	No	No										
	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>"Dr. Ramesh Kini M "</td> <td>Faculty</td> <td>Male</td> <td>rameshkinim@yahoo.com</td> <td>9743080525</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	"Dr. Ramesh Kini M "	Faculty	Male	rameshkinim@yahoo.com	9743080525
	Name	Type	Gender	Email	Contact																		
"Dr. Ramesh Kini M "	Faculty	Male	rameshkinim@yahoo.com	9743080525																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr. Laxminidhi T</td> <td>Faculty</td> <td>Male</td> <td>laxminidhi_t@nitk.edu.in</td> <td>9480575653</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Dr. Laxminidhi T	Faculty	Male	laxminidhi_t@nitk.edu.in	9480575653	
Name	Type	Gender	Email	Contact																			
Dr. Laxminidhi T	Faculty	Male	laxminidhi_t@nitk.edu.in	9480575653																			
17	Research Project on Fracture Analysis in Machinery	Process Innovation	Technological	Metallurgical and Materials Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 18 00 00 0	No	No										
	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr. Subray R Hegde</td> <td>Faculty</td> <td>Male</td> <td>hegdesr@nitk.edu.in</td> <td>918242473763</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Dr. Subray R Hegde	Faculty	Male	hegdesr@nitk.edu.in	918242473763
	Name	Type	Gender	Email	Contact																		
Dr. Subray R Hegde	Faculty	Male	hegdesr@nitk.edu.in	918242473763																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Rakshan Kumar</td> <td>Student</td> <td>Male</td> <td>rakshanjk001@gmail.com</td> <td>918242473763</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Rakshan Kumar	Student	Male	rakshanjk001@gmail.com	918242473763	
Name	Type	Gender	Email	Contact																			
Rakshan Kumar	Student	Male	rakshanjk001@gmail.com	918242473763																			
18	Compact multi-band antenna with independently controlled resonant frequency and polarization for mobile wireless applications (Funding Agency- SERB, Govt. of India) Rs. 44.22 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	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 44 22 00 0	No	No										
	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr. Krishnamoorthy K</td> <td>Faculty</td> <td>Male</td> <td>krishnak_ece@yahoo.com</td> <td>9481963094</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Dr. Krishnamoorthy K	Faculty	Male	krishnak_ece@yahoo.com	9481963094
Name	Type	Gender	Email	Contact																			
Dr. Krishnamoorthy K	Faculty	Male	krishnak_ece@yahoo.com	9481963094																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> </table>												Name	Type	Gender	Email	Contact	19						
Name	Type	Gender	Email	Contact																			

Design & Development of Wide band circularly polarised antenna using 2D metamaterial structures (Funding Agency- ISRO RESPOND) Rs. 25.71 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	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	2571000	No	No	
--	--------------------	---------------	---	---------	--	--	----------------------------------	----	----	---------	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Dr. Krishnamoorthy K	Faculty	Female	krishnak_ece@yahoo.com	9481963094		

20	Research Project on Superhydrophobic surfaces in nature	Process Innovation	Technological	Metallurgical and Materials Engineering	External to the Institute/Incubatee	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	1830000	No	No
----	---	--------------------	---------------	---	-------------------------------------	--	--	--------------------------------	----	----	---------	----	----

Name	Type	Gender	Email	Contact
Prof. K. Narayan Prabhu	Faculty	Male	knprabhu.nitk@gmail.com	9343560935

Name	Type	Gender	Email	Contact
Raghavendra Pai	Innovator/Entrepreneur External to Institute	Male	knprabhu.nitk@gmail.com	9343560935

21	Automatic Multilingual Speaker Profiling & Forensics (Funding Agency- SERB, Govt. of India) Rs. 49.94 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	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	4994000	No	No
----	---	--------------------	---------------	---	---------	--	--	----------------------------------	----	----	---------	----	----

Name	Type	Gender	Email	Contact
Dr. Deepu Vijayasenan	Faculty	Male	deepu.senan@gmail.com	9739327595

Name	Type	Gender	Email	Contact	22
------	------	--------	-------	---------	----

Research Project in Functional nanotextiles from ceramics and polymers	Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	64 43 00 0	No	No	
--	--------------------	---------------	---	---------	--	--	--------------------------------	----	----	---------------------	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Prof. S. Anandhan	Student	Male	anandhan@nitk.edu.in	8242473050		

23	Sigma Delta Space Time Adaptive Processing Techniques for GMTI for ASEA Radar (Funding Agency-LRDE DRDO) Rs. 9.63 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	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	96 30 00	No	No
----	---	--------------------	---------------	---	---------	--	--	----------------------------------	----	----	----------------	----	----

Name	Type	Gender	Email	Contact
Dr. P Srihari	Faculty	Male	srihari.js@gmail.com	9885049285

Name	Type	Gender	Email	Contact
Dr. Aparna P.	Faculty	Female	p.aparnadinesh@gmail.com	9880124660

24	Research Project on Structural and Magnetic Characterization of Semiconductors	Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	50 00 00	No	No
----	--	--------------------	---------------	---	---------	--	--	--------------------------------	----	----	----------------	----	----

Name	Type	Gender	Email	Contact
Dr. M. Rizwanur Rahman	Faculty	Male	rizwan@nitk.edu.in	8242473050

Name	Type	Gender	Email	Contact	25
------	------	--------	-------	---------	----

Development and real-time implementation of fully automated liver cancer detection system from H&E stained liver histopathological images (Funding Agency- SERB, Govt. of India) Rs. 14.43 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	14 43 00 0	No	No	
--	--------------------	---------------	---	---------	---	---	--------------------------------	----	----	---------------------	----	----	--

Name	Type	Gender	Email	Contact
Dr. Shyam Lal	Faculty	Male	shyam.mtec@gmail.com	9997840444

Name	Type	Gender	Email	Contact
Dr. Aparna P.	Faculty	Female	p.aparnadinesh@gmail.com	9880124660

Research Project on Surface Engineering	Product Innovation, Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	60 00 00 0	No	No	
---	--	---------------	---	---------	--	--	--------------------------------	----	----	---------------------	----	----	--

Name	Type	Gender	Email	Contact
Prof. Udaya Bhat K.	Faculty	Male	udayabhatk@gmail.com	8242473050

27	"Performance Analysis and Enhancement of Radio over Free Space Optical Communication System for 5G Applications for Smart Cities (Funding Agency- SERB, Govt. of India) Rs. 28.06 lakhs"	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	28 06 00 0	No	No
----	--	--------------------	---------------	---	---------	--	---	--------------------------------	----	----	---------------------	----	----

Name	Type	Gender	Email	Contact
Dr. Prabu K.	Faculty	Male	prabuk@nitk.edu.in	9884888408

26

Name

Email

Name												Type		Gender		Email			Contact		28	
Research Project on Carbon Nanotubes	Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No		Grant Amount in Rs 996000	No	No									
Name												Type		Gender		Email			Contact		Name	Email
Dr. M. Rizwanur Rahman												Faculty		Male		rizwan@nitk.edu.in			8242473050			
29	Design and Development of Automated Kidney Cancer Detection System from H&E Stained Kidney Histopathological Images (Funding Agency- SERB, Govt. of India) Rs. 27.96 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No		Grant Amount in Rs 2796000	No	No								
Name												Type		Gender		Email			Contact			
Dr. Shyam Lal												Faculty		Male		shyam.mtec@gmail.com			9997840444			
Name												Type		Gender		Email			Contact		30	
Research Project on Composite materials	Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No		Grant Amount in Rs 2000000	No	No									
Name												Type		Gender		Email			Contact		Name	Email
Dr. Ravishankar K. S.												Faculty		Male		rshankar983@yahoo.in			8242473050			
31	Research Grant under Young Faculty Research Fellowship under Visvesvarayya PhD Scheme for Electronics & IT (Funding Agency- DIC, MCIT, Govt. of India) Rs. 14.80 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No		Grant Amount in Rs 1480000	No	No								
Name												Type		Gender		Email			Contact			
Dr. Shyam Lal												Faculty		Male		shyam.mtec@gmail.com			9997840444			

Name		Type		Gender		Email		Contact					
Research Project on Energy Materials	Process Innovation	Technological	Metallurgical and Materials Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	Grant Amount in Rs 29 70 00	No	No	32
Name		Type		Gender		Email		Contact		Name	Email		
Dr. Udaya Bhat K.		Faculty		Male		udayabhatk@gmail.com		8242473050					
33	Exploring Applications of Radiomics in Brain Tumor Assessment and Treatment	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	No	No	No
Name		Type		Gender		Email		Contact					
Dr. Sumam David		Faculty		Female		sumam_david@yahoo.com		9448724563					
Name		Type		Gender		Email		Contact					
Dr. Deepu Vijayasenan		Faculty		Male		deepu.senan@gmail.com		9739327595					
34	Development of Automatic Land Cover Change Detection and Analysis System from High-Resolution Remote Sensing Images (Funding Agency- ISRO RESPOND) Rs. 19.44 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs 19 44 00 0	No	No
Name		Type		Gender		Email		Contact					
Dr. Shyam Lal		Faculty		Male		shyam.mtec@gmail.com		9997840444					
Name		Type		Gender		Email		Contact		35			

Design and implementation of optimal controller for wide speed operation of SRM for EV application	Process Innovation	Technological	Electrical and Electronics Engg	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	
--	--------------------	---------------	---------------------------------	---------	--	--	--------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact
Dr. Parthiban P	Faculty	Male	parthiban@nitk.edu.in	9019153775

Name	Email
------	-------

36	High Gain Single Stage Micro Inverter	Process Innovation	Technological	Electrical and Electronics Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
----	---------------------------------------	--------------------	---------------	--	---------	--	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Prof. B. V. Perumal	Faculty	Male	bvperumal@nitk.ed.in	9980861389

Name	Type	Gender	Email	Contact									
Development of Highly Conductive Ultrathin VS2 Crystals for High-Performance Flexible Supercapacitors (Funding Agency-SERB, Govt. of India) Rs. 27.73 lakhs	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	27 73 00 0	No	No	37

Name	Type	Gender	Email	Contact
Dr. Sushil Kumar Pandey	Faculty	Male	sushilp66@gmail.com	7052502636

Name	Email
------	-------

38	Development of design essentials for Ga2O3 based FinFET for SOC in automotive applications (Funding Agency- SERB, Govt. of India)	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
----	---	--------------------	---------------	---	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr. Nikhil K. S.	Faculty	Male	nikhilks017@gmail.com	9444640017

Name	Type	Gender	Email	Contact	39
------	------	--------	-------	---------	----

Design and Development of GaN HEMT Based LNA for L5 and S-Band IRNSS Receiver (Funding Agency- SERB, Govt. of India)	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
--	--------------------	---------------	---	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact	Name Email
Dr. Sandeep Kumar	Faculty	Male	sandeep@nitk.edu.in	9654463102	

40	Designing a System to measure moisture content of Cashew seeds both raw and processed (Kalbavi Cashews, Mangalore) Rs. 1.00 Lakh	Product Innovation	Technological	Electronics and Communication Engineering	Faculty	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 10 00 00	No	No
----	--	--------------------	---------------	---	---------	--	--	----------------------------------	----	----	--------------------------------	----	----

Name	Type	Gender	Email	Contact
Dr. U Shripathi Acharya	Faculty	Male	sripati.acharya1@gmail.com	9845056189

Name	Type	Gender	Email	Contact
Dr. T Laxminidhi	Faculty	Male	laxminidhi_t@nitk.edu.in	9480575653

41	Study of Various Bias Estimation Techniques for Multi-sensor Multi-target Tracking (RCI, DRDO) Rs. 10.00 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 100000	No	No
	Name		Type		Gender		Email		Contact				
	Pathipati Srihari		Faculty		Male		srihari.js@gmail.com		9885049285				
42	Automatic Bias Estimation Technique for 2D/3D Surveillance radar using Networked Radar Data (BEL, Bangalore) Rs. 10.00 lakhs	Process Innovation	Technological	Electronics and Communication Engineering	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 100000	No	No
	Name		Type		Gender		Email		Contact				
	Pathipati Srihari		Faculty		Male		srihari.js@gmail.com		9885049285				
												43	
Name		Type		Gender		Email		Contact					
Development of an Electric systems for Automatic Control of street lights	Process Innovation	Technological	Electrical and Electronics Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No		
												Name	Email
Name		Type		Gender		Email		Contact					
Prof. B. V. Perumal		Faculty		Male		bvperumal@nitk.edu.in		9980861389					
44	A Novel Bidirectional Converter for Electric Vehicle to grid Applications	Process Innovation	Technological	Electrical and Electronics Department	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No

Name			Type				Gender		Email				Contact
Dr. Parthiban P			Faculty				Male		parthiban@nitk.edu.in				9019153775
Name			Type				Gender		Email				Contact
Theoretical study and Design of high efficiency wide band class D power amplifier for acoustic transducers	Process Innovation	Technological	Electrical and Electronics Engineering	Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	45
	Dr. Parthiban P			Faculty				Male		parthiban@nitk.edu.in			
Name			Type				Gender		Email				Contact
A Method for islanding detection based on image classification with ensemble convolution neural networks (Application No (IPO): 201941036379 Date: 10th September 2019).	Process Innovation	Technological	Electrical and Electronics Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No	46
	Dr.Kalpna R			Faculty				Female		kalpana@nitk.edu.in			
Name			Type				Gender		Email				Contact
Santhosh K G Manikonda			Student				Male		dngaonkar@nitk.edu.in				9482249764

47												
Name		Type			Gender			Email			Contact	
Dr. D.N. Gaonkar		Faculty			Male			dngaonkar@nitk.edu.in			9482249764	
POSOC O PPSA 2019 Award (Master Category)	Process Innovation	Technological	Electrical and Electronic Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact	
Miss. Khimavath Sai Chethana		Student			Female			kalpana@nitk.edu.in			8762245244	
48												
Name		Type			Gender			Email			Contact	
Dr.Kalpana R		Faculty			Female			kalpana@nitk.edu.in			8762245244	
POSOC O PPSA 2019 Award (Ph.D Category)	Process Innovation	Technological	Electrical and Electronics Engg	Student-Faculty	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	No	No	No
Name		Type			Gender			Email			Contact	
Mr. Prusty		Student			Male			djena.2490ee@nitk.edu.in			9019148131	
49												
Name		Type			Gender			Email			Contact	
Dr.Debashisha Jena		Faculty			Male			djena.2490ee@nitk.edu.in			9019148131	
POSOC O PPSA 2020 Award (Ph.D Category)	Process Innovation	Technological	Electrical and Electronics and Engineering	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender			Email			Contact	
Mr. Harimurugan		Student			Male			gsp@nitk.edu.in			8762526489	
50												
Name		Type			Gender			Email			Contact	
Prof.G.S. Punekar		Faculty			Male			gsp@nitk.edu.in			8762526489	

Early Career Research Award	Process Innovation	Technological	SERB India	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	No	No	No	
-----------------------------	--------------------	---------------	------------	---------	---	---	--------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Dr Hari Prasad Dasari	Faculty	Male	energyhari@nitk.edu.in	9177304950		

51	IMPRINT II	Process Innovation	Technological	SERB INDIA	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
----	------------	--------------------	---------------	------------	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr Hari Prasad Dasari	Faculty	Male	energyhari@nitk.edu.in	9177304950

Name	Type	Gender	Email	Contact
Prof. Saidutta	Faculty	Male	saidutta.mb@gmail.com	8242474057

52	KIST-ALUMNI Grant	Process Innovation	Technological	KIST Korea	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No
----	-------------------	--------------------	---------------	------------	---------	---	---	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr Hari Prasad Dasari	Faculty	Male	energyhari@nitk.edu.in	9177304950

Name	Type	Gender	Email	Contact	53							
KIST-ALUMNI Grant	Process Innovation	Technological	KIST Korea	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact	Name	Email
Dr Hari Prasad Dasari	Faculty	Male	energyhari@nitk.edu.in	9177304950		

54	"METHOD AND SYSTEM FOR PREPARING A LANTHANUM ZIRCONIUMOXIDE BASED DIELECTRIC INK FOR MICRO ELECTRONICS"	Process Innovation	Technological	"Soft nanomaterials Research Lab"	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			
Jagannathan T K		Faculty			Male		jagantk@nitk.edu.in			7259472785			
Name		Type			Gender		Email			Contact			
Kishor Kumar		Student			Male		kish.divine@gmail.com			9113556225			
55	Rotating packed disc bioreactor	Product Innovation	Technological	Bioprocess lab	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	22 00 00	No	No
Name		Type			Gender		Email			Contact			
Keyur Raval		Faculty			Male		keyurnraval@nitk.edu.in			9342421444			
Name		Type			Gender		Email			Contact			
D V R Murthy		Faculty			Male		dvrvmzm@gmail.com			9342421444			
56	Melanin bound activated carbon	Product Innovation	Technological	Bioprocess lab	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	37 54 00 0	No	No
Name		Type			Gender		Email			Contact			
Keyur Raval		Faculty			Male		keyurnraval@nitk.edu.in			9342421444			
Name		Type			Gender		Email			Contact			
Vishnu M		Faculty			Male		vishnumvishnu@gmail.com			9342421444			

57	METHOD, SYSTEM AND APPARATUS FOR ARSENIC REMOVAL FROM WATER USING FUNCTIONALIZED MELANIN	Product Innovation	Technological	Bioprocess lab	Faculty	TRL 2 : Technological 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 3754000	No	No
	Name		Type		Gender		Email		Contact				
	Keyur Raval		Faculty		Male		keyurnraval@nitk.edu.in		9342421444				
58	Impact of maternal diabetes on pre-implantation embryo quality: Non-invasive approach to assess embryo quality using oxygen consumption	Process Innovation	Technological	Bioprocess lab	Faculty	TRL 2 : Technological 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 50206000	No	No
	Name		Type		Gender		Email		Contact				
	Keyur Raval		Faculty		Male		keyurnraval@nitk.edu.in		9342421444				
59	EXPRESSION, PURIFICATION AND BIOPROCESS DEVELOPMENT OF CHITINASE FROM RECOMBINANT E.Coli Rosetta pLysS	Process Innovation	Technological	Bioprocess lab	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 Ongoing	No	No	Grant Amount in Rs 100000	No	No
	Name		Type		Gender		Email		Contact				
	Keyur Raval		Faculty		Male		keyurnraval@nitk.edu.in		9342421444				
60	Pranjal Jain	Student											
	Name		Type		Gender		Email		Contact				
	Pranjal Jain		Student		Female		jainpranjal06@gmail.com		9342421444				

CLONING AND EXPRESSION OF CHITINASE GENE FROM BACILLUS HAYNESII	Process Innovation	Technological	Bioprocess lab	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 Ongoing	No	No	100000	No	No										
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Keyur Raval</td> <td>Faculty</td> <td>Male</td> <td>keyurnraval@nitk.edu.in</td> <td>9342421444</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444
Name	Type	Gender	Email	Contact																		
Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444																		
61																						
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Preetha S</td> <td>Student</td> <td>Female</td> <td>npreetha2804@gmail.com</td> <td>9342421444</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Preetha S	Student	Female	npreetha2804@gmail.com	9342421444
Name	Type	Gender	Email	Contact																		
Preetha S	Student	Female	npreetha2804@gmail.com	9342421444																		
PRODUCTION OF CHITINASE FROM Cellulose microbium cellulans	Process Innovation	Technological	Bioprocess lab	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 Ongoing	No	No	100000	No	No										
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Keyur Raval</td> <td>Faculty</td> <td>Male</td> <td>keyurnraval@nitk.edu.in</td> <td>9342421444</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444
Name	Type	Gender	Email	Contact																		
Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444																		
62																						
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Samiullah Bhat</td> <td>Student</td> <td>Male</td> <td>bhatsami16@gmail.com</td> <td>9342421444</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Samiullah Bhat	Student	Male	bhatsami16@gmail.com	9342421444
Name	Type	Gender	Email	Contact																		
Samiullah Bhat	Student	Male	bhatsami16@gmail.com	9342421444																		
Chitin Deacetylase	Product Innovation	Technological	Bioprocess lab	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 Ongoing	No	No	100000	No	No										
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Keyur Raval</td> <td>Faculty</td> <td>Male</td> <td>keyurnraval@nitk.edu.in</td> <td>9342421444</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444
Name	Type	Gender	Email	Contact																		
Keyur Raval	Faculty	Male	keyurnraval@nitk.edu.in	9342421444																		
63																						
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Priyanka Bhat</td> <td>Student</td> <td>Female</td> <td>bhatpriyanka1991@gmail.com</td> <td>0</td> </tr> </tbody> </table>													Name	Type	Gender	Email	Contact	Priyanka Bhat	Student	Female	bhatpriyanka1991@gmail.com	0
Name	Type	Gender	Email	Contact																		
Priyanka Bhat	Student	Female	bhatpriyanka1991@gmail.com	0																		

Bench Slope stability of VIOM Mine-MSPL Limited, Karnataka	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	300000	No	No
--	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	----	--------	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

64	Slope stability of Lyli mine of MSPL, Hospet, Karnataka	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	300000	No	No
----	---	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	--------	----	----

Name	Type	Gender	Email	Contact
Rock Mechanics and Mine Planning Lab	Faculty	Male	krc@nitk.edu.in	9448627564

Name	Type	Gender	Email	Contact	65
------	------	--------	-------	---------	----

Scientifics Study to Assess the Impact of Blasting Operations in Bharathi Cement Limestone Mine on Surrounding Structures	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	250000	No	No
---	--------------------	---------------	-------------------	---------	--	--	----------------------------------	----	----	----	--------	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

66	Scientific study for OB dump stability and pit slope stability, Kistaram OCP	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 285000	No	No		
Name		Type			Gender		Email			Contact					
Dr. K. Ram Chandar		Faculty			Male		krc@nitk.edu.in			9448627564					
Name		Type			Gender		Email			Contact					
Harsha		Faculty			Male		harshanitk@gmail.com			9449084373					
67	Scientific study for the stability of structures falling within 45m (upto 3m) of proposed working of inland mining at Manavalakurichi Ilmenite mine	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 600000	No	No		
Name		Type			Gender		Email			Contact					
Dr. K. Ram Chandar		Faculty			Male		krc@nitk.edu.in			9448627564					
Name		Type			Gender		Email			Contact					
Harsha		Faculty			Male		harshanitk@gmail.com			9449084373					
68	Scientific study for slope stability of dump yard & high wall benches and monitoring of slope stability at KTKOC-III	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 285000	No	No		
Name		Type			Gender		Email			Contact					
Dr. K. Ram Chandar		Faculty			Male		krc@nitk.edu.in			9448627564					
Name		Type			Gender		Email			Contact					
Dr. K. Ram Chandar		Faculty			Male		krc@nitk.edu.in			9448627564					
Name											Type	Gender	Email	Contact	69

Scientific study for design of ultimate slope, dump slope and monitoring of slope stability at KTK OC II	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	28 50 00	No	No	
--	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	----------------	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

70	Scientific study for stability of high walls at (in-crop) south side quarry for the proposed quarry top edge excavation shifting of around 67 m out bye to liquidate the locked up coal reserves beneath the existing in-crop benches at - (B-627)MOCP	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	29 00 00	No	No
----	--	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	----------------	----	----

Name	Type	Gender	Email	Contact
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564

Scientific study for slope stability highwall benches & dump yards , (B-618) Indaram OC	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	33 00 00	No	No	71
---	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	----------------	----	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

72	Scientific study for blast vibrations and air-over pressure within 500m of surface structures not belonging to SCCL at Indaram OC	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 350000	No	No
	Name		Type		Gender		Email		Contact				
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564					

73	ASSESSMENT OF INTENSITY OF GROUND VIBRATIONS GENERATED DUE TO EXCAVATION ACTIVITY IN ARKAY TOWER S. JC ROAD-BANGALORE	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 150000	No	No
	Name		Type		Gender		Email		Contact				
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564					

Name		Type		Gender		Email		Contact		Name	Email
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564			

74	Ground vibration study in Palakkal granite quarry	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 100000	No	No
	Name		Type		Gender		Email		Contact				
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564					

Name		Type		Gender		Email		Contact		75
------	--	------	--	--------	--	-------	--	---------	--	----

Ground vibration study in U T raveend ran Quarry	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	10 00 00	No	No
--	--------------------	---------------	-------------------	---------	--	--	----------------------------------	----	----	----	----------	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

76	Ground vibration study in Kennet quarry	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	10 00 00	No	No
----	---	--------------------	---------------	-------------------	---------	--	--	----------------------------------	----	----	----------	----	----

Name	Type	Gender	Email	Contact
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564

													77
Name	Type	Gender	Email	Contact									
Ground vibration study in Kalinako d quarry	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	No	15 00 00	No	No

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

78	Scientific study at KTK OC-III, during blasting operations for identifying blast vibrations and air over pressure induced within 500m of surfacestructures not belonging to SCCL and recommending suitable blasting techniques to safeguard the persons, structures and materials- (B-636)	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	35 00 00	No	No
----	--	--------------------	---------------	-------------------	---------	--	--	----------------------------------	----	----	----------	----	----

Name		Type		Gender		Email		Contact	
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564	

Name		Type		Gender		Email		Contact					
Scientific study for designing the method of working, ultimate pit slope, dump slope and monitoring of slope stability for the life of the mine at RG OC-III extension	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	380000	No	No	79
	Grant Amount in Rs												

Name		Type		Gender		Email		Contact	
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564	

Name		Type		Gender		Email		Contact					
80	Ground vibration studies in Nalakath quarry	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	200000	No	No
	Grant Amount in Rs												

Name		Type		Gender		Email		Contact	
Dr. K. Ram Chandar		Faculty		Male		krc@nitk.edu.in		9448627564	

Name		Type		Gender		Email		Contact	

Scientific study for Pit Slope, OB dump slope and Highwall slope design and stability at VKOC-	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	390000	No	No
--	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	--------	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

82	Scientific study for Pit Slope, OB dump slope and Highwall slope design and stability at RG OC-V	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	380000	No	No
----	--	--------------------	---------------	--------------------------------------	---------	--	--	----------------------------------	----	----	--------	----	----

Name	Type	Gender	Email	Contact
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564

Name	Type	Gender	Email	Contact	83
------	------	--------	-------	---------	----

Scientific study on ground vibrations while working the proposed near Ramappa Temple for obtaining NoC from Archaeological Survey of India and DGMS permission" Venkata pur OC Project, DT:04-03-2020P O.76000 08202	Service Innovation	Technological	Rock Blasting Lab	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	350000	No	No
--	--------------------	---------------	-------------------	---------	--	--	--------------------------------	----	----	--------	----	----

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

84	Scientific Study for designing controlled blasting to protect Gorpeta valgu bund and KPUG underground mine workings and structures' due to induced vibrations and air over pressure with blasting at PKOC (PKOC-II Section)	Service Innovation	Technological	Rock Blasting Lab	Faculty	TRL 2 : Technological 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 580000	No	No
----	---	--------------------	---------------	-------------------	---------	---	--	--------------------------------	----	----	------------------------------	----	----

Name	Type	Gender	Email	Contact
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564

Name	Type	Gender	Email	Contact
Harsha	Faculty	Male	harshanitk@gmail.com	9449084373

85	Scientific study for OB Dump stability and pit slope stability at SRP OCP- II	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technological 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 740000	No	No
----	---	--------------------	---------------	--------------------------------------	---------	---	--	--------------------------------	----	----	------------------------------	----	----

Name	Type	Gender	Email	Contact
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564

													86
Name	Type	Gender	Email	Contact									
Scientific study for OB dump stability and pit slope stability at PKOC Project, Manuguru Area,	Service Innovation	Technological	Rock Mechanics and Mine Planning Lab	Faculty	TRL 2 : Technological 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 650000	No	No	

Name	Type	Gender	Email	Contact	Name	Email
Dr. K. Ram Chandar	Faculty	Male	krc@nitk.edu.in	9448627564		

87	Development and Characterizations of Advanced Solar Cell	Process Innovation	Technological	VGST, Govt. of Karnataka	Faculty	TRL 2 : Technological formulation. Concept and application have been formulated .	TRL 2 : Technological formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	100000	No	No
Name		Type			Gender		Email			Contact			
Prof. Ch. S. N. Murthy		Faculty			Male		chsn58@nitk.edu.in			991633906			
Name		Type			Gender		Email			Contact			
Dr. Kartick Tarafder		Faculty			Male		karticktarafder@gmail.com			9916339068			
88	Application of Nano Membrane Technologies to purify Mine Waste Water	Process Innovation	Technological	Ministry of Mines, GOI	Faculty	TRL 2 : Technological formulation. Concept and application have been formulated .	TRL 2 : Technological formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	500000	No	No
Name		Type			Gender		Email			Contact			
Arun M Isloor		Faculty			Male		isloor@yahoo.com			9448523990			
Name		Type			Gender		Email			Contact			
Prof. Ch. S. N. Murthy (Dept. of Mining Engg.)		Faculty			Male		chsn58@nitk.edu.in			-			
89	System for material beneficiation involving hydro-squeeze classifier assisted grinding ball mill	Product Innovation	Technological	Department of Mining Engineering	Student-Faculty	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	No	No	No
Name		Type			Gender		Email			Contact			
Dr. Harsha Vardhan		Faculty			Male		harshanitk@gmail.com			8242473373			

Name		Type		Gender		Email		Contact					
Mr. Harish, Hanumanthappa		Faculty		Male		harshanitk@gmail.com		8242473373					
Dr. Maruthiram Kaza,		Faculty		Male		harshanitk@gmail.com		8242473373					
Dr. Govinda Raj Mandela		Faculty		Male		harshanitk@gmail.com		8242473373					
Dr. Rameshwar Sah		Faculty		Male		harshanitk@gmail.com		8242473373					
Mr. Abhishek Kumar		Faculty		Male		harshanitk@gmail.com		8242473373					
Dr. Arindam Roy Choudary		Faculty		Male		harshanitk@gmail.com		8242473373					
90	Development Of a Solar Based Humidifier/Dehumidifier Linked With Ground Water	Product Innovation	Technological	Mechanical Engineering	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 29 02 00 0	No	No
Name		Type		Gender		Email		Contact					
Dr. Ajay Kumar Yadav		Faculty		Male		ajaykyadav@nitk.edu.in		9035552339					
Name		Type		Gender		Email		Contact					
Dr. Anish S		Faculty		Male		anish@nitk.edu.in		9035552339					
91	Development Of Cost Effective Radiofrequency Ablation System And Magnetic Hyperthermia Equipment For Thermal Therapies Of Cancerous Tumors	Product Innovation	Technological	Mechanical Engineering	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 48 94 00 0	No	No
Name		Type		Gender		Email		Contact					
Dr. Ajay Kumar Yadav		Faculty		Male		ajaykyadav@nitk.edu.in		9035552339					
Name		Type		Gender		Email		Contact					
Dr. Harish Hanumanthappa		Faculty		Male		harshanitk@gmail.com		8242473373					
92	Material handling system for screening or feeding materials with high screening efficiency and energy efficiency	Product Innovation	Technological	Department of Mining Engineering	Student-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	No	No	No

Name		Type			Gender		Email			Contact			
Dr. Harsha Vardhan		Faculty			Male		harshanitk@gmail.com			8242473373			
Name		Type			Gender		Email			Contact			
Dr. Harish Hanumanthappa		Faculty			Male		harshanitk@gmail.com			8242473373			
93	Experimental Characterization And Numerical Modelling Of Delamination Growth In Fiber Reinforced Polymer Laminated Composites Under Cyclic Loading	Product Innovation	Technological	Mechanical Engineering	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 26 28 00 0	No	No
	Name		Type			Gender		Email			Contact		
	Dr. S Kattimani		Faculty			Male		subhaskatti@gmail.com			9481413661		
Name		Type			Gender		Email			Contact			
Prof. S.M. Murigendrappa		Faculty			Male		smm@nitk.edu.in			9343889072			
94	Scientific study for Pit Stability analysis of John Mine M/s. R. Praveen Chandra	Service Innovation	Technological	Department of Mining	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 35 00 00	No	Amount Received in Rs. 35 00 00
	Name		Type			Gender		Email			Contact		
	Dr. Sandi Kumar Reddy		Faculty			Male		skreddy@nitk.edu.in			9448721700		
Name		Type			Gender		Email			Contact			
Dr. Harsha Vardhan		Faculty			Male		harshanitk@gmail.com			9449084373			
95	An Experimental And Theoretical Investigation On Narrow Thermal Hysteresis Of Cu-Al-Be Based Sma Actuator For Vibration Isolation	Product Innovation	Technological	Mechanical Engineering	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 16 00 00 0	No	No
	Name		Type			Gender		Email			Contact		
Prof. S.M. Murigendrappa		Faculty			Male		smm@nitk.edu.in			9343889072			

Name		Type			Gender		Email			Contact	
Dr. S Kattimani		Faculty			Male		subhaskatti@gmail.com			9481413661	

96	Active Vibration Control Of Laminated Composite Sandwich Plates In Hygrothermal Environment Using 1-3 Piezoelectric Composites	Product Innovation	Technological	Mechanical Engineering	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	40 90 00 0	No	No
	Name		Type			Gender		Email				Contact	
Dr. S Kattimani		Faculty			Male		subhaskatti@gmail.com			9481413661			

Name		Type			Gender		Email			Contact		97
Experimental Investigation On Pulsating Synthetic Jet Micromixers To Determine The Injection Dynamics Of Insulin In Hydrogels For Subcutaneous Drug Delivery	Product Innovation	Technological	Mechanical Engineering	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	32 60 00 0	No	
Name		Type			Gender		Email				Contact	
Dr. Arumuga Perumal D		Faculty			Male		perumal@nitk.edu.in			9159860535		

Name		Type			Gender		Email			Contact		98
Dr. Hemantha Kumar		Faculty			Male		hemantha@nitk.edu.in			8242474048		

Improve ment In The Propertie s Of Thermall y Sprayed Hydroxy apatite Bio-Ceramic Coating Reinforc ed With Nanostr uctured Material s	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 2 : Technolog y formulatio n. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Developm ent Ongoing	No	No	38 40 00 0	No	No
---	--------------------	---------------	------------------------	---------	--	--	---------------------------------	----	----	---------------------	----	----

Name	Type	Gender	Email	Contact
Dr Sudhakar C Jambagi	Faculty	Male	sudhakar.nitk@gmail.com	8242474048

Name	Type	Gender	Email	Contact
Dr. Hemantha Kumar	Faculty	Male	hemantha@nitk.edu.in	8242474048

Scientifi c study for Dump Stability analysis of John Mine M/s. R. Praveen Chandra	Service Innovation	Technological	Department of Mining	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimen tal proof available.	TRL 4 : Small scale prototype built in a laboratory environme nt ("ugly" prototype).	Innovation Developm ent Complete d	No	No	35 00 00	No	35 00 00
--	--------------------	---------------	----------------------	---------	--	--	------------------------------------	----	----	----------------	----	----------------

Name	Type	Gender	Email	Contact
Dr. Sandi Kumar Reddy	Faculty	Male	skreddy@nitk.edu.in	9448721700

Name	Type	Gender	Email	Contact
Dr. Hemantha Kumar	Faculty	Male	hemantha@nitk.edu.in	8242474048

Experim ental And Numeric al Investig ation Of Effect Of Leading Edge Protuber ances On The Perform ance Of Wind Turbine Blade	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimen tal proof available.	TRL 2 : Technolog y formulatio n. Concept and application have been formulated .	Innovation Developm ent Ongoing	No	No	66 00 00 0	No	No
--	--------------------	---------------	------------------------	---------	--	--	---------------------------------	----	----	---------------------	----	----

99

100

Name		Type			Gender		Email			Contact		Name	Email
Dr. Sathyabhama A		Faculty			Female		sathyabhama@nitk.edu.in			9448134433			
101	Ultrafine Grain Refinement Through Low Plasticity Burnishing On Waam Of Mgalloy For Aerospace And Automotive Applications	Product Innovation	Technological	Mechanical Engineering	Faculty	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 16 09 00 0	No	No
	Name		Type			Gender		Email			Contact		
Dr.A.S.BALAN		Faculty			Male		balan@nitk.edu.in			9789941487			
Name		Type			Gender		Email			Contact		102	
Experim ental Techniq ue To Induce Surface Grain Refineme nt Through Laser Shock Peening On Ecap Process ed Mg. Alloy	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimen tal proof available.	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Developm ent Ongoing	No	No	Grant Amount in Rs 41 02 00 0	No		No
Name		Type			Gender		Email			Contact		Name	Email
Dr. H Shivananda Nayaka		Faculty			Male		hsn@nitk.edu.in			9449591543			
103	Predictive assessment of postural risk and biochemical analysis of MCD related problems of truck dump operators in Indian metal mines	Process Innovation	Technological	Department of Mining	Faculty	TRL 2 : Technology formulation. Concept and application have been formulated .	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	No	No	Grant Amount in Rs 18 85 84 9	No	No
	Name		Type			Gender		Email			Contact		
Predictive assessment of postural risk and biochemical analysis of MCD related problems of truck dump operators in Indian metal mines		Faculty			Male		bmkunar@nitk.edu.in			8884834907			

Name		Type			Gender		Email			Contact			
Dr. M. Aruna		Faculty			Male		arunamanlpady@gmail.com			9449066672			
104	Development Of Cost Effective Magneto-Rheological (Mr) Fluid Damper In Two Wheelers And Four Wheelers Automobile To Improve Ride Comfort And Stability	Product Innovation	Technological	Mechanical Engineering	Faculty	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 35 50 00 00	No	No
	Name		Type			Gender		Email			Contact		
Dr. Hemantha Kumar		Faculty			Male		hemantha@nitk.edu.in			8762709897			

Name		Type			Gender		Email			Contact		105
Investigations into the reduction of phosphorus in iron ore using microwave technology for its suitability to the iron ore and steel industries;	Process Innovation	Technological	Department of Mining	Faculty	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 10 06 00 00	No	
Name		Type			Gender		Email			Contact		
Dr. Harsha Vardhan		Faculty			Male		harshanitk@gmail.com			9449084373		

Name		Type			Gender		Email			Contact		106
Dr. M. Aruna		Faculty			Male		arunamanlpady@gmail.com			9449066672		

Design And Testing Of Robust, High Efficient, Low Polluting Lpg Porous Burners For Household Applications	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	No	No	No	
Name		Type		Gender		Email		Contact					
Dr. Parthasarathy P		Faculty		Male		parthasarathy@nitk.edu.in		9449066672					
Name		Type		Gender		Email		Contact					
Dr. Arun M		Faculty		Male		m.arun1978@gmail.com		9449066672					
Development Of Composite Filament For Light Weight 3D Printed Components	Product Innovation	Technological	Mechanical Engineering	Faculty	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	33030000	No	No	
Name		Type		Gender		Email		Contact					
Dr. MrityunjayDoddamani		Faculty		Male		mrd1978@rediffmail.com		9482606482					
Name		Type		Gender		Email		Contact					
Dr. Srikanth Bontha		Faculty		Male		srikanth.bontha@nitk.edu.in		9482606482					
Pre-Operative Damage Assessment In Orthopedic Surgery Using 3D Printing To Minimize Healing Time	Product Innovation	Technological	Mechanical Engineering	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	500000	No	No	

110

111

Name	Type	Gender	Email	Contact	Name	Email
Dr. MrityunjayDoddamani	Faculty	Male	mrd1978@rediffmail.com	0		

112	Development Of Brushless Dc (BlDC) Motors For An Automotive Power Window Application	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 2 : Technological 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 37 50 00 00	No	No
-----	--	--------------------	---------------	------------------------	---------	---	--	--------------------------------	----	----	--	----	----

Name	Type	Gender	Email	Contact
Dr. K V Gangadharan	Faculty	Male	kvganga@nitk.ac.in	9448478752

Name	Type	Gender	Email	Contact
------	------	--------	-------	---------

Tem - Fame India Scheme - "Switched Reluctance Motor & Controller For 2W & 3W"	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 2 : Technological 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 17 00 00 00 0	No	No
--	--------------------	---------------	------------------------	---------	---	--	--------------------------------	----	----	---	----	----

Name	Type	Gender	Email	Contact
Dr. K V Gnagadharan	Faculty	Male	kvganga@nitk.ac.in	9448478752

Name	Type	Gender	Email	Contact
------	------	--------	-------	---------

Virtual Lab Phase Iii	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 2 : Technological formulation. Concept and application have been formulated .	TRL 2 : Technological formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 10 00 00 00	No	No
-----------------------	--------------------	---------------	------------------------	---------	---	---	--------------------------------	----	----	--	----	----

Name	Type	Gender	Email	Contact
Dr. K V Gnagadharan	Faculty	Male	kvganga@nitk.ac.in	9448478752

Name
Email

113

114

Name
Email

115	Origins Of Yielding In Polymer Electrolyte Membranes	Product Innovation	Technological	Mechanical Engineering	Faculty	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 500000	No	No
Name		Type			Gender		Email			Contact			
Dr. KK Poornesh		Faculty			Male		kpkoorata@gmail.com			8277648559			
Name		Type			Gender		Email			Contact			
Dr. Jeyaraj		Faculty			Male		jeyaraj@nitk.edu.in			8277648559			
116	Interface CharacteristicsOf Membrane Electrode Assemblies	Product Innovation	Technological	Mechanical Engineering	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated .	Innovation Development Ongoing	No	No	Grant Amount in Rs 350000	No	No
Name		Type			Gender		Email			Contact			
Dr. KK Poornesh		Faculty			Male		kpkoorata@gmail.com			8277648559			
Name		Type			Gender		Email			Contact			
Dr. Jeyaraj		Faculty			Male		jeyaraj@nitk.edu.in			8277648559			
117	Analytical And Numerical Investigations Of Mixed Convection Through Wire Mesh Porous Structure Filled In a Channel	Product Innovation	Technological	Mechanical Engineering	Faculty	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 210000	No	No
Name		Type			Gender		Email			Contact			
Dr. N. Gnanasekaran		Faculty			Male		ngs.iitm@gmail.com			9940871337			
Name		Type			Gender		Email			Contact			
										118			

Additive Manufacturing of Novel Structural Foam Composites for Durability and Damage Tolerance	Product Innovation	Technological	MOE, Gol	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	No	No	No	
--	--------------------	---------------	----------	-----------------	--	--	--------------------------------	----	----	----	----	----	--

Name	Type	Gender	Email	Contact	Name	Email
Dr. Mrityunjay Doddamani, NITK	Faculty	Male	mrd1978@rediffmail.com	8242473678		

119	An investigation in to the effects of induced helicity in the carotid bifurcated arteries on patient specific models	Product Innovation	Technological	DST-SERB, Gol	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	No	No	No
-----	--	--------------------	---------------	---------------	---------	--	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr. Anish S	Faculty	Male	anish@nitk.edu.in	8242473678

Name	Type	Gender	Email	Contact
Dr. Mrityunjay Doddamani	Faculty	Male	mrd1978@rediffmail.com	8242473678

120	Cost-effective enhanced insulating foams for cold storage application	Product Innovation	Technological	ISHRAE	Faculty	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	No	No	No
-----	---	--------------------	---------------	--------	---------	--	--	--------------------------------	----	----	----	----	----

Name	Type	Gender	Email	Contact
Dr. Mrityunjay Doddamani	Faculty	Male	mrd1978@rediffmail.com	8242473678

Name	Type	Gender	Email	Contact
Dr. Mabdi Shariati, Uttversiti Teknologi Malaysia, Malaysia	Innovator/Entrepreneur External to Institute	Male	sck@nitk.ac.in	9481413661

121	Investigation on radiolucent composite sandwich materials for biomedical imaging systems under hygrothermal environment	Product Innovation	Technological	SERB-AISTDF	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No	
	Name		Type		Gender		Email		Contact					
	Dr S. Kattimani, NITK Surathkal,		Faculty		Male		sck@nitk.ac.in		9481413661					
	Name		Type		Gender		Email		Contact					
Dr. Mabdi Shariati, Uttiversiti Teknologi Malaysia, Malaysia		Innovator/Entrepreneur External to Institute		Male		sck@nitk.ac.in		9481413661						
122	Early Career Research Grant for "A Framework for Deep Learning based Analytics for Intelligent Healthcare Applications"	Product Innovation	Technological	Information Technology	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	Grant Amount in Rs	3256550	No	No
	Name		Type		Gender		Email		Contact					
	Dr. Sowmya Kamath S		Faculty		Female		sowmyakamath@nitk.edu.in		8242473557					
	Name		Type		Gender		Email		Contact					
Gokul S Krishnan		Student		Male		gsk1692@gmail.com		8242473557						
123	Design Of Magneto Rheological Damper For Vehicular Applications	Product Innovation	Technological	Mechanical Engineering	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	6035000	No	No
	Name		Type		Gender		Email		Contact					
	Prof. C.Sujatha		Faculty		Female		sujashet@gmail.com		8242474048					
	Name		Type		Gender		Email		Contact					
Dr. Hemantha Kumar		Faculty		Male		hemantha@nitk.edu.in		8242474048						

124	Design Of Oil Skimming Application With Super Hydrophobic Sponge	Product Innovation	Technological	Mechanical Engineering	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	4400000	No	No
Name		Type			Gender		Email			Contact			
Dr. Pruthviraj U		Faculty			Male		pruthviu@gmail.com			8242474050			
Name		Type			Gender		Email			Contact			
Dr. K V Gangadharan		Faculty			Male		kvganga@nitk.ac.in			8242474050			

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/V C 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 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 Start-up 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	Apahatech Solutions	Product Innovation	Technological	1060	Faculty	Venture with Corporate Identification Number (CIN) Registration AAO-1342	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No	
Name		DIN number			Type		Gender			Email			Contact	
Arun Mohan Isloor		08343723			Faculty		Male			isloor@yahoo.com			9448523990	
-		-			Faculty		-			-			-	

2	SRI SHASHA PRAYATHI TECHNOLOGIES PRIVATE LIMITED	Service Innovation	Technologica	1060	Faculty	Venture with Corporate Identification Number (CIN) Registration	U72900 KA2020 PTC132 824	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Dr. Pathipati Srihari		08704442		Faculty		Male		srihari.js@gmail.com		8242474515				
3	Penzigo Technology Solutions Pvt. Ltd	Product Innovation	Technologica	1060	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	U72900 KA2019 PTC122 828	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No
Name		DIN number		Type		Gender		Email		Contact				
Krishnananda Prabhu Karadka		08402811		Innovator/Entrepreneur External to Institute		Male		krishnakaradka@penzigo.com		8123586105				

4	Oxyheal Pvt. Ltd	Service Innovation	Technologica	1060	Student	U33119 KA2020 PTC136 785	2019-20	Received Incubation Support from Incubation Unit	Agency Name	Technology Business Incubator KE C Tamil Nadu	Agency Type	Corporate / Industry Association	Award / Position / Recognition Secured	Grant Amount in Rs	930000	No	No	No
						Venture with Corporate Identification Number (CIN) Registration												
Name		DIN number		Type		Gender		Email		Contact								
MANASH SHARMA		08820562		Student		Male		manashsharma20@gmail.com		08242474056								
SMIT DHARAMSHI RAMBHIYA		08820561		Student		Male		manashsharma20@gmail.com		08242474056								

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Oil and Natural Gas Corporation Limited	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	0	06-01-2020
2	Mangalore Refinery and Petrochemicals Limited	Govt. Agency (State)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	2	01-01-2020

3	New Mangalore Port Trust	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	0	07-05-2019
4	Aditya Auto Products & Engineering	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	5	24-02-2020
5	Department of Heavy Industry	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	10	21-01-2020
6	PALS	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	2	11-09-2020
7	Ministry of Micro, Small & Medium Enterprises (MSME)	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	0	30-12-2020
8	OPAL-RT India Ltd	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	2	22-04-2019
9	Korea Institute of Science and Tech.	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	1	01-12-2020
10	IIT Hyderabad	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	0	01-12-2020
11	Intel India, Bangalore	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	10	01-10-2019
12	Inje University South Korea	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	5	06-03-2019
13	Hewlett Packard Enterprise	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring,Networking	16	17-08-2019
14	Edumeister Inc. 187 Acalanes Dr, Suite 9, Sunnyvale, CA 94086	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Seed fund	0	03-09-2020
15	Kompetenzzentrum Holz GmbH, Austria.	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Seed fund	5	28-11-2020

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

No Data Filled!

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Variable Stiffness Magnetorheological Isolator	201941018353	National	2019 - 05	Uploaded
Uploaded 2019 - 08 National 201941009001	2019 - 08	2	Method, System and Apparatus for Accurate Run-Out Decision	National	2019 - 08
		3	Method and system for producing elongated grains in wrought metals with superior creep resistance	201941033324	National
		4	Industrial thermocouples with superior creep resistance	201941033961	
		5			Method and System for Fabricating a Structure Using Additive Manufacturing Wastes of C300 Maraging Steel
		6			

A method for islanding detection based on image classification with ensemble convolution neural networks	201941036379	National	2019 - 10	Uploaded	
7	Method and system for detecting asymmetric application layer DDOS attacks based on user access patterns	201941040132	National	2019 - 10	Uploaded
	8	Method and System for Synthesis of Electrode and Electrolyte Materials for High Energy Storage Devices	201941044515	National	2019 - 11
Uploaded		9	Method and composition for fabricating a high-k dielectric material	201941047909	National
2019 - 11	Uploaded		10	Direct Compaction Mould for Preparation of Bitumen Bounded Fine Aggregate Matrix Specimen	202041006193
National	2020 - 02	Uploaded		11	Efficient production of furanics and levulinic acid from carbohydrates using quaternary ammonium salts as an additive

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

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	A METHOD FOR SYNTHESIZING D-PEROSAMINE	PatentsHoldByInnovations	2999/CHE/2014	Granted	Uploaded
	Applicant Name		Applicant Type		Start-up/Innovator Name
	Arun M Isloor		Incubatee Startup		Apahatech Solutions

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

No Data Filled!
