



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MHRD
Ministry of Human
Resource Development
Government of India

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2019-20

Institute Name: M. S. RAMAIAH INSTITUTE OF TECHNOLOGY [ARI-C-1331]

Pre-Qualifier (Basic Data Requirement For Financial Year (2018-19))

Name of the Institute/ University/ Group of Institutions and any Autonomous Body (Incubation Unit/Research Park etc.) located within same campus	Total Annual Expenditure of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Total Annual Income of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Balance Sheet, Income & Expenditure (or) Payment & Receipt Account for FY 2018-19 (Only PDF)
M S RAMAIAH INSTITUTE OF TECHNOLOGY	724193661.00	1425092695.00	Document Uploaded in ARIIA DSP
Total (Rupees in Figure)	724193661.00	1425092695.00	

Institute Type : Colleges/Institutes (Private / Self Financed)

Total Student Base (Enrolled Full Time) for all the Academic Programs Offered by Institute/University (Academic Year 2018-19) := 1661

Total Faculty Base (Full Time) Engaged in Teaching and Research at Institute/University (Academic Year 2018-19) := 378

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

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?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
One week Faculty Development Programme on Fundamentals of Material Sciences for Research Scholars	Entrepreneurship/Startup	FACULTY DEVELOPMENT PROGRAMME	Institute Lead Activity	MECHANICAL	30-07-2018 00:00:00	04-08-2018 00:00:00	6	Within Campus	10	20	5	30	65	Yes	100000
The Third International Conference on Recent Advances in Engineering Sciences (ICRAES-2018)	Entrepreneurship/Startup	INTERNATIONAL CONFERENCE	Institute Lead Activity	MECHANICAL	26-09-2018 00:00:00	27-09-2018 00:00:00	2	Within Campus	5	25	5	25	60	Yes	500000

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

Faculty Development Program on Functional Materials for Industrial Applications	Innovation	Workshop	Institute Lead Activity	Dept. of Chemistry	23-07-2018 00:00:00	28-07-2018 00:00:00	6	Within Campus	10	14	0	24	48	Yes	43200
Faculty Development Program on Advanced Materials for Science and Engineering.	Innovation	Workshop	Institute Lead Activity	Dept. of Chemistry	28-01-2019 00:00:00	02-02-2019 00:00:00	6	Within Campus	5	10	10	25	50	Yes	44000
Workshop on Hydroponics	Innovation	Workshop	Institute Lead Activity	Architecture Department	03-10-2018 00:00:00	03-10-2018 00:00:00	1	Within Campus	40	10	0	0	50	Yes	5000
Workshop on Paper Engineering	Innovation	Workshop	Institute Lead Activity	Architecture Department	27-02-2019 00:00:00	27-02-2019 00:00:00	1	Within Campus	40	3	0	0	43	Yes	3000
Guest Lecture on Digital Architecture - A Paradigm Shift in Architecture	Innovation	Guest Lecture	Institute Lead Activity	Architecture Department	12-04-2019 00:00:00	12-04-2019 00:00:00	1	Within Campus	100	2	0	0	102	Yes	3000
Guest Lecture on Irrigation System in Landscape and Swimming Pools	Innovation	Guest Lecture	Institute Lead Activity	Architecture Department	04-04-2019 00:00:00	04-04-2019 00:00:00	1	Within Campus	40	10	0	0	50	Yes	5000
Workshop on Parametric Modelling on Rhino and Grasshopper	Innovation	Workshop	Institute Lead Activity	Architecture Department	12-04-2019 00:00:00	12-04-2019 00:00:00	1	Within Campus	40	2	0	0	42	Yes	30000
One Week Faculty Development Workshop on Predictive Analytics with AWS	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MCA	15-07-2019 00:00:00	20-07-2019 00:00:00	6	Within Campus	0	11	4	25	40	Yes	85495
One Week Faculty Development Workshop on Role of Blockchain and AI in Cyber Security	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MCA	22-07-2019 00:00:00	26-07-2019 00:00:00	5	Within Campus	5	10	0	22	37	Yes	79360

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

One Week Faculty Development program on Building Learning Machines	Innovation	innovation	Institute Lead Activity	Telecom and Electronics	16-07-2019 00:00:00	21-07-2019 00:00:00	6	Within Campus	0	20	0	30	50	Yes	50000
Current Trends in Service Oriented Architecture	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MCA	08-07-2019 00:00:00	13-07-2019 00:00:00	6	Within Campus	5	10	0	45	60	Yes	50000
Blockchain Application Development Using Hyperledger	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MCA	28-01-2019 00:00:00	02-02-2019 00:00:00	6	Within Campus	6	6	0	28	40	Yes	69000
One week faculty envelopment program on RF Circuits and Systems	Innovation	innovation	Institute Lead Activity	Telecommunication ENgg	23-07-2018 00:00:00	28-07-2018 00:00:00	6	Within Campus	0	15	0	30	45	Yes	50000
One Week Workshop on Programme on DevOps	Entrepreneurship/Startup	Workshop	Institute Lead Activity	MCA	21-01-2019 00:00:00	25-01-2019 00:00:00	5	Within Campus	8	17	0	25	50	Yes	97430
Faculty Development Program on Design Trends in High Rise Structures	Innovation	Faculty Development Program	Institute Lead Activity	Architecture Department	29-07-2019 00:00:00	02-08-2019 00:00:00	5	Within Campus	0	45	0	0	45	Yes	80000
Workshop on Practical Statistical Machine Learning and Data Science with Julia	Innovation	Innovation	Institute Lead Activity	ISE	11-06-2018 00:00:00	16-06-2018 00:00:00	6	Within Campus	10	25	2	10	47	Yes	5000
Devops	Innovation	Innovation	Institute Lead Activity	ISE	21-01-2019 00:00:00	25-01-2019 00:00:00	5	Within Campus	15	25	4	25	69	Yes	5000
Role of Blockchain and Artificial Intelligence in Applications of Cyber Security	Innovation	Innovation	Institute Lead Activity	ISE	22-07-2019 00:00:00	26-07-2019 00:00:00	5	Within Campus	10	30	4	23	67	Yes	5000
Network Data Analytics	Innovation	Innovation	Institute Lead Activity	ISE	01-07-2019 00:00:00	05-07-2019 00:00:00	5	Within Campus	6	20	3	40	69	Yes	5000
Six Days Program, Current Issues of Geo-Environmental Pollution	Innovation	FDP	Institute Lead Activity	Civil Engineering department	23-07-2019 00:00:00	28-07-2019 00:00:00	6	Within Campus	20	25	13	15	73	Yes	120000

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

Six day FDP,Recent Trends in Utilization of waste materials in construction industries and its Impact	Innovation	FDP	Institute Lead Activity	Civil Engineering Department , ramaiah Institute of Technology	22-07-2019 00:00:00	27-07-2019 00:00:00	6	Within Campus	20	50	15	15	100	Yes	100000
Technical Talk	Innovation	Seminar	Student Lead Activity	ICI Student Chapter,Civil Engineering department	23-11-2018 00:00:00	23-11-2018 00:00:00	1	Within Campus	85	10	0	0	95	Yes	5000
Technical talk	Innovation	Seminar	Student Lead Activity	ICI student Chapter, Civil engineering Department	30-11-2018 00:00:00	30-11-2018 00:00:00	1	Within Campus	45	5	0	0	50	Yes	5000
Earthquake Resistant Structures	Innovation	Technical session	Student Lead Activity	ICI Student Chapter, Civil engineering Department	07-12-2018 00:00:00	07-12-2018 00:00:00	1	Within Campus	72	6	15	1	94	Yes	5000
Field Visit	Innovation	Exposure Visit	Student Lead Activity	ICI Student Chapter, Civil Engineering Department	18-12-2018 00:00:00	18-12-2018 00:00:00	1	Within Campus	28	2	0	0	30	No	---
Failure criteria in RC structures	Innovation	Awareness	Student Lead Activity	ICI Student Chapter, Civil engineering Department	01-03-2019 00:00:00	01-03-2019 00:00:00	1	Within Campus	30	6	0	0	36	No	---
Quality 4.0 - A Strategy for Product and Service Excellence	Innovation	FDP	Institute Lead Activity	IEM Department	15-07-2019 00:00:00	27-07-2019 00:00:00	13	Within Campus	5	15	0	30	50	Yes	500000
Faculty Development Programme on Role of Blockchain and Artificial Intelligence in Applications of Cyber Security	Innovation	skill development	Institute Lead Activity	CSE	22-07-2019 00:00:00	27-07-2019 00:00:00	6	Within Campus	5	20	0	40	65	Yes	1200000
Smart Class Room Tools(Bodhi tree, SAFE, EvalPro)	Innovation	training and mentoring session	Institute Lead Activity	CSE	22-07-2019 00:00:00	24-07-2019 00:00:00	3	Within Campus	0	62	0	0	62	Yes	30000
Faculty Development Program on Predictive Analytics with Amazon Web Services	Innovation	training and skill development	Institute Lead Activity	CSE	15-07-2019 00:00:00	20-07-2019 00:00:00	6	Within Campus	5	20	0	40	65	Yes	115000

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

Faculty Development Program on Current Trends In Service Oriented Architecture	Innovation	training and skill development	Institute Lead Activity	CSE	08-07-2019 00:00:00	13-07-2019 00:00:00	6	Within Campus	10	30	0	30	70	Yes	90000
SAP HANA Cloud Platform Workshop	Innovation	workshop and skill development	Institute Lead Activity	CSE	11-07-2019 00:00:00	11-07-2019 00:00:00	1	Within Campus	30	12	0	0	42	Yes	10000
5G Wireless Technologies Massive MIMO mmWave NOMA Full Duplex OFDM FBMC NB-IoT	Innovation	Innovation	Institute Lead Activity	Electronics and Communication	08-07-2019 00:00:00	14-07-2019 00:00:00	7	Within Campus	0	5	0	112	117	No	---
IEEE-Women in Engineering - Accelerating Entrepreneurship through Innovation	Entrepreneurship/Startup	symposium	Institute Lead Activity	IEEE -WIE , Ramaiah Institute of Technology	08-03-2019 00:00:00	09-03-2019 00:00:00	2	Within Campus	128	35	60	0	223	Yes	30000
field visit to Microfocus	Innovation	field visit	Institute Lead Activity	CSE	15-03-2019 00:00:00	15-03-2019 00:00:00	1	Outside Campus	70	3	0	0	73	No	---
Site Visit for water Treatment plant	Entrepreneurship/Startup	Exposure visit	Student Lead Activity	Civil engineering Department	27-04-2018 00:00:00	27-04-2018 00:00:00	1	Outside Campus	150	2	0	0	152	Yes	10000
Thorekadanahalli (TK Halli) -water treatment plant	Entrepreneurship/Startup, Innovation	Exposure visit	Student Lead Activity	Civil Engineering Deptment	29-03-2019 00:00:00	29-03-2019 00:00:00	1	Outside Campus	150	4	0	0	154	Yes	10000
BUILDING COMPETENCIES FOR PERSONAL AND ORGANIZATIONAL EXCELLENCE	Entrepreneurship/Startup	FDP	Institute Lead Activity	Department of Management Studies	30-07-2018 00:00:00	04-08-2018 00:00:00	6	Within Campus	0	15	0	15	30	Yes	120000
Financial Literacy For Investment In Stock Market	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Management Studies	05-07-2018 00:00:00	05-07-2018 00:00:00	1	Within Campus	120	15	0	0	135	Yes	25000

Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

NEW DIRECTION S IN INDIAN FOREIGN POLICY PEOPLE POLITICS PLACES AND ECONOMIC POWER	Entrepreneurship/Startup	National Conference	Institute Lead Activity	Department of Management Studies	04-01-2019 00:00:00	05-01-2019 00:00:00	2	Within Campus	120	15	0	12	147	Yes	50000
CYBER AGE- CRIMES AGAINST WOMEN AND LEGAL PROTECTION MEASURES	Entrepreneurship/Startup	National Seminar	Institute Lead Activity	Department of Management Studies	22-03-2019 00:00:00	23-03-2019 00:00:00	2	Within Campus	120	15	0	15	150	Yes	50000
Green Economy And Sustainable Development Challenges And Issues	Entrepreneurship/Startup	National Seminar	Institute Lead Activity	Department of Management Studies	07-06-2019 00:00:00	08-06-2019 00:00:00	2	Within Campus	0	15	0	18	33	Yes	60000
Talk Dr. Anil Kumar on Education in USA	Innovation	Guest Lecture	Institute Lead Activity	Chemical Engineering	31-08-2018 00:00:00	31-08-2018 00:00:00	1	Within Campus	250	8	0	0	258	Yes	00000
Talk on Transformation Lead at Highmark Blue Cross Blue Shield in the United States	Innovation	Guest Lecture	Institute Lead Activity	Department of Chemical Engineering	03-09-2018 00:00:00	03-09-2018 00:00:00	1	Within Campus	200	10	0	0	210	Yes	00000
Career Development	Entrepreneurship/Startup	Student Development Program	Student Lead Activity	BYJUs Education organisation and Department of Chemical Engineering	06-09-2018 00:00:00	06-09-2018 00:00:00	1	Within Campus	200	5	0	0	205	Yes	00000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

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 program/activity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
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Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Recent advances in IC engines Research and Issues	Entrepreneurship/Startup	FACULTY DEVELOPMENT PROGRAM	GMIT, Davanagere	Educational Institute	23-07-2018 00:00:00	28-07-2018 00:00:00	6	5	50	55	No	---	---	No	---
Powder X-Ray Diffraction Theory, Practical and Applications	Innovation	FDP	IISc	Govt. Agency (Central)	14-05-2018 00:00:00	18-05-2018 00:00:00	5	0	30	30	No	---	---	Yes	0000
Concepts in Chemical Reaction Engineering	Entrepreneurship/Startup	FDP	IISc	Govt. Agency (Central)	18-06-2018 00:00:00	22-06-2018 00:00:00	5	0	30	30	No	---	---	Yes	0000
Next Generation Energy Storage Materials Challenges and Opportunities	Innovation	FDP	Dayanand Sagar University	Educational Institute	28-09-2018 00:00:00	29-09-2018 00:00:00	2	0	30	30	No	---	---	Yes	0000
One Week FDP on Advanced DSP Application	Innovation	Faculty Development Program	Ramaiah Institute of technology	Educational Institute	30-07-2018 00:00:00	04-08-2018 00:00:00	6	10	6	16	No	---	---	Yes	0000
One week FDP on RF circuits and microwave systems	Innovation	faculty development programme	Ramaiah Institute of Technology	Educational Institute	23-07-2018 00:00:00	28-07-2018 00:00:00	6	10	14	24	No	---	---	Yes	0000
One week FDP on IoT system design using rpi and data analytics	Innovation	Faculty development programme	Ramaiah Institute of Technology	Educational Institute	16-01-2018 00:00:00	21-01-2018 00:00:00	6	10	14	24	No	---	---	Yes	0000
One week FDP on Building Learning Machines	Innovation	Faculty Development Program	Ramaiah Institute of Technology	Educational Institute	16-07-2018 00:00:00	21-07-2018 00:00:00	6	20	6	26	No	---	---	Yes	0000
Image fusion and multi modal imaging Fundamentals to Advanced	Innovation	Workshop	Ramaiah Institute of Technology	Educational Institute	16-07-2019 00:00:00	20-07-2019 00:00:00	5	10	6	16	No	---	---	Yes	0000
Smart Classroom tools	Innovation	Workshop	Ramaiah Institute of Technology	Educational Institute	22-07-2019 00:00:00	24-07-2019 00:00:00	3	10	7	17	No	---	---	Yes	0000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

One Week MATLAB Project Course on 5G Wireless Technologies Massive MIMO	Innovation	Workshop	Ramaiah Institute of Technology	Educational Institute	08-07-2019 00:00:00	14-07-2019 00:00:00	7	0	3	3	No	---	---	Yes	0000
One week FDP on Wireless Networks A smart city Perspective	Innovation	Faculty Development Program	Ramaiah Institute of Technology	Educational Institute	17-06-2019 00:00:00	21-06-2019 00:00:00	5	5	4	9	No	---	---	Yes	0000
A comprehensive study to IoT Design	Innovation	Quality Improvement Program	IIT, Bombay	Educational Institute	15-07-2019 00:00:00	19-07-2019 00:00:00	5	0	2	2	No	---	---	Yes	0000
Machine learning for sensor Data Analytics	Innovation	Workshop	Ramaiah Institute of Technology	Educational Institute	29-08-2019 00:00:00	03-09-2019 00:00:00	6	10	2	12	No	---	---	Yes	0000
Implementation of OBE in Higher Educational Institutions	Innovation	Faculty Development Program	SIT, Tumkur	Educational Institute	09-07-2019 00:00:00	12-07-2019 00:00:00	4	0	1	1	No	---	---	Yes	0000
The Hague India Cyber Security Summer School	Innovation	Faculty development Program	Ramaiah Institute of Technology	Educational Institute	02-06-2019 00:00:00	07-06-2019 00:00:00	6	0	1	1	No	---	---	Yes	000
One day FDP on PYTHON Programming	Innovation	Faculty Development Program	IIT, Bombay	Educational Institute	22-06-2019 00:00:00	22-06-2019 00:00:00	1	0	1	1	No	---	---	Yes	0000
Deep Learning for Big Data and Cyber Security Applications	Innovation	Faculty Development Program	NITK, Suratkal	Educational Institute	01-07-2019 00:00:00	07-07-2019 00:00:00	7	0	1	1	No	---	---	Yes	0000
One week FDP on network data analytics	Innovation	Faculty Development Program	RIT, Bengaluru	Educational Institute	01-07-2019 00:00:00	05-07-2019 00:00:00	5	0	1	1	No	---	---	Yes	0000
Workshop on WSN and IOT	Innovation	Workshop	Ramaiah Institute of Technology	Educational Institute	05-03-2019 00:00:00	06-03-2019 00:00:00	2	0	1	1	No	---	---	Yes	0000
Summer School in Optics and Photonics	Innovation	Summer School Program	IISc, Bengaluru	Educational Institute	17-06-2019 00:00:00	21-06-2019 00:00:00	5	0	1	1	No	---	---	Yes	0000
One day FDP on PYTHON Programming	Innovation	Faculty Development Program	BMSCE, Bengaluru	Educational Institute	22-06-2019 00:00:00	22-06-2019 00:00:00	1	0	1	1	No	---	---	Yes	0000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Random Process Statistical inference and Experimental design	Innovation	Faculty Development program	RIT, Bengaluru	Educational Institute	29-07-2019 00:00:00	03-08-2019 00:00:00	6	0	1	1	No	---	---	Yes	0000
Three days FDP on Rejuvenating Faculty for career excellence	Innovation	Faculty Development Program	Ramaiah Institute of Technology, Bengaluru	Educational Institute	23-01-2019 00:00:00	25-01-2019 00:00:00	3	0	1	1	No	---	---	Yes	0000
Two Days workshop on Deep Learning Models for Signal and Image Recognition Using Python	Innovation	Workshop	PES University	Educational Institute	01-08-2019 00:00:00	02-08-2019 00:00:00	2	0	1	1	No	---	---	Yes	0000
Computational Machine Learning And Artificial Intelligence	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	02-05-2018 00:00:00	04-05-2018 00:00:00	3	10	50	60	No	---	---	No	---
Practical Statistical Machine Learning and Data Science with Julia	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	11-06-2018 00:00:00	16-06-2018 00:00:00	6	15	50	65	No	---	---	No	---
Research Methodology and Latex	Innovation	Faculty Development Program	VTU e-Learning centre, Mysore	Educational Institute	19-06-2019 00:00:00	21-06-2019 00:00:00	3	0	70	70	No	---	---	Yes	0000
Role of Blockchain and Artificial Intelligence in Applications of Cyber Security	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	22-07-2019 00:00:00	26-07-2019 00:00:00	5	12	56	68	No	---	---	No	---
Predictive Analytics with Amazon Web Services	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	15-07-2019 00:00:00	20-07-2019 00:00:00	6	15	60	75	No	---	---	No	---
Applications of Data Mining and Deep Learning Techniques in Multidisciplinary Area	Innovation	Faculty Development Program	Dept. of IT, NITK, Surathkal	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	10	30	40	No	---	---	Yes	0000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Deep Learning for Big Data and Cyber Security Applications	Innovation	Faculty Development Program	Dept of IT, NITK, Surathkal	Educational Institute	01-07-2019 00:00:00	05-07-2019 00:00:00	5	10	40	50	No	---	---	Yes	0000
One week workshop on Network Data Analytics- A Hands on Approach for Application Development	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	01-07-2019 00:00:00	05-07-2019 00:00:00	5	10	50	60	No	---	---	No	---
Embedded Safety and Security Summit 2019	Innovation	Faculty Development Program	LDRA, Bengaluru	Corporate / Industry Association	23-07-2019 00:00:00	23-07-2019 00:00:00	1	0	100	100	No	---	---	Yes	0000
Data Center Dynamics Webscale Conference	Innovation	Faculty Development Program	DCD, Bengaluru	Corporate / Industry Association	18-07-2019 00:00:00	18-07-2019 00:00:00	1	0	250	250	No	---	---	Yes	0000
The Hague India Cyber Security summer school	Innovation	Faculty Development Program	HSD, Bengaluru	Govt. Agency (State)	02-06-2019 00:00:00	07-06-2019 00:00:00	6	0	50	50	No	---	---	No	---
workshop on Research Methodology and IEEE Authorship Lab	Innovation	Faculty Development Program	CMRIT, Bengaluru	Educational Institute	13-04-2019 00:00:00	14-04-2019 00:00:00	2	10	40	50	No	---	---	No	---
Workshop on Smart Class Room Tools	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	22-07-2019 00:00:00	24-07-2019 00:00:00	3	5	40	45	No	---	---	Yes	0000
Rejuvenating Faculty For Career Excellence	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	23-01-2019 00:00:00	25-01-2019 00:00:00	3	10	50	60	No	---	---	No	---
Current trends in service oriented architecture	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	08-07-2019 00:00:00	13-07-2019 00:00:00	6	10	50	60	No	---	---	No	---
Lex Based Foundation Program	Innovation	Faculty Development Program	Infosys Ltd. Bengaluru	Corporate / Industry Association	07-01-2019 00:00:00	11-01-2019 00:00:00	5	0	25	25	No	---	---	No	---
DevOps	Innovation	Faculty Development Program	MSRIT, Bengaluru	Educational Institute	21-01-2019 00:00:00	25-01-2019 00:00:00	5	10	50	60	No	---	---	No	---

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

International Conference	Innovation	International conference, Innovative world of concrete	Indian Concrete Institute	Corporate / Industry Association	19-09-2018 00:00:00	21-09-2018 00:00:00	3	16	1	17	No	---	---	Yes	0000
Concrete, Microstructure Characterization, GIAN Course	Innovation	workshop	NITK Surathkal	Educational Institute	18-06-2018 00:00:00	22-06-2018 00:00:00	5	0	4	4	No	---	---	Yes	0000
International conference, Sustainable Construction and Building Materials	Innovation	International Conference	NITK, Surathkal	Educational Institute	18-06-2018 00:00:00	22-06-2018 00:00:00	5	0	4	4	No	---	---	No	---
Performance Evaluation Tools for Sustainable Buildings	Innovation	Training and Capacity Building Programme	The Energy and Resources Institute, Bangalore	Non-Govt. Agencies	31-01-2019 00:00:00	02-02-2019 00:00:00	3	0	1	1	No	---	---	Yes	0000
Neural Systems Science and Engineering	Innovation	Innovation	IISc	Educational Institute	23-01-2019 00:00:00	25-01-2019 00:00:00	3	0	2	2	No	---	---	No	---
Image Fusion and Multimodal Imaging Fundamentals to Advanced	Innovation	Innovation	Ramaiah Institute of Technology	Educational Institute	15-07-2019 00:00:00	20-07-2019 00:00:00	6	0	4	4	No	---	---	Yes	0000
5G Wireless Technologies Massive MIMO mmWave NOMA Full Duplex OFDM FBMC NB-IoT	Innovation	innovation	IIT Kanpur	Educational Institute	08-07-2019 00:00:00	14-07-2019 00:00:00	7	0	3	3	No	---	---	Yes	0000
Wireless Networks A Smart City Perspective	Innovation	Innovation	BMSCE	Educational Institute	17-06-2019 00:00:00	21-06-2019 00:00:00	5	0	1	1	No	---	---	Yes	0000
Deep Learning for Engineering Application using Python	Innovation	Innovation	RIT	Educational Institute	08-07-2019 00:00:00	13-07-2019 00:00:00	6	0	1	1	No	---	---	No	---
How to Write Research Proposal and How to Write Quality Research Publication	Innovation	innovation	RIT	Educational Institute	21-02-2019 00:00:00	21-02-2019 00:00:00	1	0	1	1	No	---	---	No	---

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Rejuvenating Faculty for career excellence	Innovation	Innovation	RIT	Educational Institute	23-01-2019 00:00:00	25-01-2019 00:00:00	3	0	2	2	No	---	---	No	---
Analog VLSI Design Using Cadence Tool	Innovation	Innovation	DSCE	Educational Institute	24-06-2019 00:00:00	28-06-2019 00:00:00	5	0	2	2	No	---	---	Yes	0000
Machine Learning Applications in Signal Processing	Innovation	Innovation	NIT Warrangal	Educational Institute	04-06-2019 00:00:00	09-06-2019 00:00:00	6	0	1	1	No	---	---	Yes	0000
Emerging trends in mathematics and its application	Innovation	Innovation	RIT	Educational Institute	28-01-2019 00:00:00	02-02-2019 00:00:00	6	0	1	1	No	---	---	No	---
One day workshop-Characterization of concrete material using SEM and XRD	Innovation	Hands on Training	CIIRC, Jyothi Institute of Technology	Corporate / Industry Association	22-03-2019 00:00:00	22-03-2019 00:00:00	1	0	2	2	No	---	---	No	---
Current issues of Geo-Environmental Pollution	Innovation	FDP	Ramaiah Institute Of Technology	Educational Institute	23-07-2018 00:00:00	28-07-2018 00:00:00	6	30	30	60	No	---	---	Yes	0000
Training program on Nature based solution for Water and Waste Management	Innovation	Training	Anil Agarwal Environmental Training Institute	Educational Institute	10-07-2018 00:00:00	13-07-2018 00:00:00	4	0	1	1	No	---	---	No	---
Technologies to Address the Energy Needs of India	Innovation	Training	IIT Alumni centre, Banaglore	Educational Institute	11-10-2018 00:00:00	12-10-2018 00:00:00	2	0	1	1	No	---	---	No	---
Advanced training on Ansys	Innovation	Training	SJBIT	Educational Institute	23-07-2018 00:00:00	28-07-2018 00:00:00	6	0	1	1	No	---	---	No	---
Rejuvenating faculties for career excellence	Innovation	exposure	M.S.R.I.T	Educational Institute	23-01-2019 00:00:00	25-01-2019 00:00:00	3	0	1	1	No	---	---	No	---
Structural Engineering for fire induced loads	Innovation	FDP	C.C.E., I.I.Sc., Bangalore	Educational Institute	04-01-2019 00:00:00	08-01-2019 00:00:00	5	0	1	1	No	---	---	No	---

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

National Conference NCETSE 2019	Innovation	Conference	Shri Madwa Vadiraj Institute of Technology Management	Educational Institute	25-04-2019 00:00:00	27-04-2019 00:00:00	3	0	1	1	No	---	---	No	---
Software Applications in Civil Engineering	Innovation	FDP	BMSIT	Educational Institute	15-07-2019 00:00:00	19-07-2019 00:00:00	5	0	3	3	No	---	---	No	---
Recent trends in utilization of waste materials in construction industries and its impact	Innovation	FDP	MSRIT	Educational Institute	22-07-2019 00:00:00	27-07-2019 00:00:00	6	30	50	80	No	---	---	Yes	0000
Renewable energy and Waste Management Techniques - An approach towards sustainable development	Innovation	FDP and workshop	MSRIT	Educational Institute	22-07-2019 00:00:00	03-08-2019 00:00:00	13	0	5	5	No	---	---	No	---
Design trends in high rise structures	Innovation	FDP	Architecture department MSRIT	Educational Institute	29-07-2019 00:00:00	02-08-2019 00:00:00	5	0	5	5	No	---	---	No	---
10th International Conferences on Computing, Communication and Networking technologies	Innovation	International Conference	Kanpur, India	Educational Institute	06-07-2019 00:00:00	08-07-2019 00:00:00	3	1	1	2	No	---	---	No	---
Third International Conference on trends in Electronics and Informatics	Innovation	International Conference	SCAD College of Engineering and Technology	Educational Institute	23-04-2019 00:00:00	25-04-2019 00:00:00	3	1	1	2	No	---	---	No	---
International Conference on Cognitive Informatics and Soft Computing (CISC-2019)	Innovation	International Conference	Annanacharya Institute of Rajampet	Educational Institute	09-04-2019 00:00:00	10-04-2019 00:00:00	2	2	1	3	No	---	---	No	---
Fabrication of Optoelectronic Devices and Sensors- Hands on Experience	Innovation	Workshop	National Institute of Technology, WARANGAL	Educational Institute	17-06-2019 00:00:00	21-06-2019 00:00:00	5	0	1	1	No	---	---	Yes	00000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Symposium on Cyber Physical Systems	Innovation	Symposium	IISc, Bengaluru	Educational Institute	11-07-2018 00:00:00	12-07-2018 00:00:00	2	0	3	3	No	---	---	Yes	0000
Advanced DSP applications using TMS320C6713 and 6748	Innovation	Faculty Development Programme	Ramaiah Institute of Technology, Bangalore	Educational Institute	30-07-2018 00:00:00	04-08-2018 00:00:00	6	0	10	10	No	---	---	Yes	0000
Third IEEE International conference on Electrical, Electronics, Communication, Computer technologies and Optimization tech	Innovation	International Conference	GSSSIT, Mysuru	Educational Institute	14-12-2018 00:00:00	15-12-2018 00:00:00	2	0	1	1	Yes	Session Chair	Session Chair	No	---
20th Annual Conference of society for Emergency Medicine India	Innovation	Conference	MSRMC, Bengaluru	Educational Institute	15-11-2018 00:00:00	15-11-2018 00:00:00	1	0	2	2	No	---	---	No	---
Third International conference on Circuits, Control, Communication and Computing I4C 2018	Innovation	International Conference	Ramaiah Institute of Technology, Bangalore	Educational Institute	03-10-2018 00:00:00	05-10-2018 00:00:00	3	0	2	2	Yes	Session Co-Chair	Session Co-Chair	No	---
Medical Image Computing-Machine learning methods and Advanced MRI applications	Innovation	QIP	IIT Mumbai	Educational Institute	23-07-2018 00:00:00	27-07-2018 00:00:00	5	0	2	2	No	---	---	Yes	0000
Medical Instrumentation and Signal Analysis using Virtual Instrumentation platform(A2A)	Innovation	Faculty Development Programme	Ramaiah Institute of Technology, Bangalore	Educational Institute	09-07-2018 00:00:00	14-07-2018 00:00:00	6	0	4	4	No	---	---	No	---
Building Learning machines	Innovation	Faculty Development Programme	Ramaiah Institute of Technology, Bangalore	Educational Institute	16-07-2018 00:00:00	21-07-2019 00:00:00	37	0	2	2	No	---	---	No	---

Courses on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19

Title of Course/Subject Offered	Program Theme	Type of Course	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Enrolment Number	Total Number of Students Completed	Total Numbers of Contact Hours of Course
Innovation and Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	01-09-2018 00:00:00	31-12-2018 00:00:00	122	Offline	60	60	56
Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	01-09-2018 00:00:00	31-12-2018 00:00:00	122	Offline	60	60	30
Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	01-09-2018 00:00:00	31-12-2018 00:00:00	122	Offline	72	72	30
Cytoflex-Flow Cytometry applications in Biotechnology	Innovation	FDP	PhD	04-06-2018 00:00:00	09-06-2018 00:00:00	6	Offline	40	40	35
Recent Advances in Nutraceuticals and Functional Foods	Innovation	FDP	PhD	28-01-2019 00:00:00	02-02-2019 00:00:00	6	Offline	35	35	35
Intellectual Property Rights and Entrepreneurship	IPR	Elective/Core Credit Course	Bachelor	10-08-2018 00:00:00	29-12-2018 00:00:00	142	Offline	70	70	30
Management and Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Master	30-08-2018 00:00:00	29-12-2018 00:00:00	122	Offline	63	63	56
Management Entrepreneurship and IPR	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	30-08-2018 00:00:00	29-12-2018 00:00:00	122	Offline	156	155	30
Green Building Technology	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	28-08-2018 00:00:00	14-12-2018 00:00:00	109	Offline	120	110	42
Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	28-08-2018 00:00:00	14-12-2018 00:00:00	109	Offline	120	115	30
Ground Improvement Technique	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	28-08-2018 00:00:00	14-12-2018 00:00:00	109	Offline	100	90	42
Entrepreneurship Economics Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	06-08-2018 00:00:00	01-01-2019 00:00:00	149	Offline	240	240	42
Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	01-07-2019 00:00:00	21-09-2019 00:00:00	83	Offline	240	240	42
Project management and Engineering Economics	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	23-08-2018 00:00:00	14-12-2018 00:00:00	114	Offline	180	180	42
Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	23-08-2018 00:00:00	14-12-2018 00:00:00	114	Offline	180	180	42
Engineering Economics Project Management and Professional Ethics	Entrepreneurship/Startup	Elective/Core Credit Course	Master	24-09-2018 00:00:00	21-01-2019 00:00:00	120	Offline	58	58	56
Future Skills 2020	Entrepreneurship/Startup	Elective/Core Credit Course	Master	17-09-2018 00:00:00	14-01-2019 00:00:00	120	Offline	58	58	56
ENGINEERING DESIGN	Innovation	Elective/Core Credit Course	Bachelor	30-01-2019 00:00:00	25-05-2019 00:00:00	116	Offline	63	63	30
IPR AND MEDICAL ETHICS	IPR	Elective/Core Credit Course	Bachelor	23-08-2018 00:00:00	29-12-2018 00:00:00	129	Offline	56	55	42
Collaborative course on Operating systems by MICROFOCUS	Innovation	Full time Program	Bachelor	27-08-2018 00:00:00	30-11-2018 00:00:00	96	Online	180	180	42
Strategic Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Master	05-10-2018 00:00:00	31-01-2019 00:00:00	119	Offline	120	120	42

Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge		Carpet Area of Facility	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?		Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?	
				Facility Incharge Name	Facility Incharge Email		Facility Incharge Phone	Yes	No	Yes
Nano materials synthesis Lab	Research Park/Innovation Park	2007	Chemistry Department	Facility Incharge Name	Dr. B M Nagabhushana	3500 Sq. Ft.	Yes		Yes	
				Facility Incharge Email	nagabhushana@msrit.edu		Annual Capital Expenditure (In Rupees)	175000	Total Annual Income from Training and Skill Development Services (In Rupees)	0
				Facility Incharge Phone	9916030272		Annual Operational Expenditure (In Rupees)	25000	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)	0	
Non chrome inhibitors Corrosion study center	Research Park/Innovation Park	2018	Department of Chemistry	Facility Incharge Name	Dr. P. Murali Krishna	1500 Sq. Ft.	Yes		Yes	
				Facility Incharge Email	muralikp21@gmail.com		Annual Capital Expenditure (In Rupees)	700000	Total Annual Income from Training and Skill Development Services (In Rupees)	0
				Facility Incharge Phone	9741418788		Annual Operational Expenditure (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)	0	
Center of Learning for Internet of Things	Research Park/Innovation Park	2016	TCE	Facility Incharge Name	Dr shobha KR	150 Sq. Ft.	Yes		No	
				Facility Incharge Email	shobha_shankar@msrit.edu		Annual Capital Expenditure (In Rupees)	18000000		
				Facility Incharge Phone	9886493763		Annual Operational Expenditure (In Rupees)	200000		

Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

Giat Analysis Lab	Research Park/Innovation Park	2015	TCE	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr Vishwanath Talasila</td> </tr> <tr> <td>Facility Incharge Email</td> <td>viswanath.talasila@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9900597164</td> </tr> </table>	Facility Incharge Name	Dr Vishwanath Talasila	Facility Incharge Email	viswanath.talasila@msrit.edu	Facility Incharge Phone	9900597164	100 Sq. Ft.	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>20000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	100000	Annual Operational Expenditure (In Rupees)	20000	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>00000</td> </tr> <tr> <td>Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)</td> <td>0000</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>00000</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	00000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	0000	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	00000
Facility Incharge Name	Dr Vishwanath Talasila																										
Facility Incharge Email	viswanath.talasila@msrit.edu																										
Facility Incharge Phone	9900597164																										
Yes																											
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Annual Operational Expenditure (In Rupees)	20000																										
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Total Annual Income from Training and Skill Development Services (In Rupees)	00000																										
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Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	00000																										
Antenna design lab	Incubation Unit	2018	TCE	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>DR Swetha Amit</td> </tr> <tr> <td>Facility Incharge Email</td> <td>swetha.amit@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9901998724</td> </tr> </table>	Facility Incharge Name	DR Swetha Amit	Facility Incharge Email	swetha.amit@msrit.edu	Facility Incharge Phone	9901998724	100 Sq. Ft.	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>0000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>0000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	0000	Annual Operational Expenditure (In Rupees)	0000	No								
Facility Incharge Name	DR Swetha Amit																										
Facility Incharge Email	swetha.amit@msrit.edu																										
Facility Incharge Phone	9901998724																										
Yes																											
Annual Capital Expenditure (In Rupees)	0000																										
Annual Operational Expenditure (In Rupees)	0000																										
IoT LAB	Pre-Incubation Centre	2016	Department of MCA, MSRIT, MSR Nagar, Bangalore - 54, Karnataka, India	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Yogish H K</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hod_mca@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9632948721</td> </tr> </table>	Facility Incharge Name	Dr. Yogish H K	Facility Incharge Email	hod_mca@msrit.edu	Facility Incharge Phone	9632948721	109.76 Sq. Mtr.	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>500000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>50000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	500000	Annual Operational Expenditure (In Rupees)	50000	No								
Facility Incharge Name	Dr. Yogish H K																										
Facility Incharge Email	hod_mca@msrit.edu																										
Facility Incharge Phone	9632948721																										
Yes																											
Annual Capital Expenditure (In Rupees)	500000																										
Annual Operational Expenditure (In Rupees)	50000																										
Intel Lab	Research Park/Innovation Park	2015	Multi Purpose Block, MSRIT, MSR Nagar, Bangalore - 54, Karnataka, India	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Vijaya Kumar B P</td> </tr> <tr> <td>Facility Incharge Email</td> <td>hod_ise@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9980634134</td> </tr> </table>	Facility Incharge Name	Dr. Vijaya Kumar B P	Facility Incharge Email	hod_ise@msrit.edu	Facility Incharge Phone	9980634134	1200 Sq. Ft.	<table border="1"> <tr> <th colspan="2">Yes</th> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	100000	Annual Operational Expenditure (In Rupees)	100000	No								
Facility Incharge Name	Dr. Vijaya Kumar B P																										
Facility Incharge Email	hod_ise@msrit.edu																										
Facility Incharge Phone	9980634134																										
Yes																											
Annual Capital Expenditure (In Rupees)	100000																										
Annual Operational Expenditure (In Rupees)	100000																										

Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

IEM R&D Lab	Research Park/Innovation Park	2019	IEM Department	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr R Shobha</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shobhar@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9844199107</td> </tr> </table>	Facility Incharge Name	Dr R Shobha	Facility Incharge Email	shobhar@msrit.edu	Facility Incharge Phone	9844199107	1000 Sq. Ft.	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	100000	Annual Operational Expenditure (In Rupees)	100000	No
Facility Incharge Name	Dr R Shobha																		
Facility Incharge Email	shobhar@msrit.edu																		
Facility Incharge Phone	9844199107																		
Yes																			
Annual Capital Expenditure (In Rupees)	100000																		
Annual Operational Expenditure (In Rupees)	100000																		
Industrial Engg Lab	Centre of Excellence with Advance Tools & Equipment	2018	IEM Department	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr M Shilpa</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mallikashilpa@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9620210230</td> </tr> </table>	Facility Incharge Name	Dr M Shilpa	Facility Incharge Email	mallikashilpa@gmail.com	Facility Incharge Phone	9620210230	1000 Sq. Ft.	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>100000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>100000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	100000	Annual Operational Expenditure (In Rupees)	100000	No
Facility Incharge Name	Dr M Shilpa																		
Facility Incharge Email	mallikashilpa@gmail.com																		
Facility Incharge Phone	9620210230																		
Yes																			
Annual Capital Expenditure (In Rupees)	100000																		
Annual Operational Expenditure (In Rupees)	100000																		
NANOTECHNOLOGY LAB	Research Park/Innovation Park	2008	MSRIT-MECHANICAL	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr RAJI GEORGE</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rgeorgemsrit@rediffmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9845318047</td> </tr> </table>	Facility Incharge Name	Dr RAJI GEORGE	Facility Incharge Email	rgeorgemsrit@rediffmail.com	Facility Incharge Phone	9845318047	4000 Sq. Ft.	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>1000000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>1000000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	1000000	Annual Operational Expenditure (In Rupees)	1000000	No
Facility Incharge Name	Dr RAJI GEORGE																		
Facility Incharge Email	rgeorgemsrit@rediffmail.com																		
Facility Incharge Phone	9845318047																		
Yes																			
Annual Capital Expenditure (In Rupees)	1000000																		
Annual Operational Expenditure (In Rupees)	1000000																		
Entrepreneurship development center	Incubation Unit	2013	EDC ,Ramaiah institute of technology	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.chethan Kumar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>chethan.im@msrit.edu</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9886649822</td> </tr> </table>	Facility Incharge Name	Dr.chethan Kumar	Facility Incharge Email	chethan.im@msrit.edu	Facility Incharge Phone	9886649822	2000 Sq. Ft.	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Annual Capital Expenditure (In Rupees)</td> <td>500000</td> </tr> <tr> <td>Annual Operational Expenditure (In Rupees)</td> <td>200000</td> </tr> </table>	Yes		Annual Capital Expenditure (In Rupees)	500000	Annual Operational Expenditure (In Rupees)	200000	No
Facility Incharge Name	Dr.chethan Kumar																		
Facility Incharge Email	chethan.im@msrit.edu																		
Facility Incharge Phone	9886649822																		
Yes																			
Annual Capital Expenditure (In Rupees)	500000																		
Annual Operational Expenditure (In Rupees)	200000																		

Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Giat Analysis Lab	Funding Agency	DST	Govt. Agency (Central)	Yes	500000
Center of Learning for Internet of Things	Funding Agency	VGST	Govt. Agency (State)	Yes	2000000
Antenna design lab	Funding Agency	VGST	Govt. Agency (State)	Yes	2000000
IEM R&D Lab	Funding Agency	VGST	Govt. Agency (State)	Yes	500000

Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

Intel Lab	Funding Agency	ICMR	Govt. Agency (Central)	Yes	8900000
Intel Lab	Funding Agency	Saroj R. Dusad Trust, New Delhi	Not-Govt. Agencies	Yes	1453000
Industrial Engg Lab	Funding Agency	AICTE	Govt. Agency (Central)	Yes	500000
Center of Learning for Internet of Things	Funding Agency	AICTE	Govt. Agency (Central)	Yes	790000
Nano materials synthesis Lab	Funding Agency	VGST	Govt. Agency (State)	Yes	500000
Nano materials synthesis Lab	Funding Agency	VGST	Govt. Agency (State)	Yes	500000
Center of Learning for Internet of Things	Institute's Own Fund / Resource	---	---	Yes	500000
Center of Learning for Internet of Things	Funding Agency	KSCST	Not-Govt. Agencies	Yes	10000
Center of Learning for Internet of Things	Institute's Own Fund / Resource	---	---	Yes	420000
Antenna design lab	Funding Agency	AICTE MODROB	Govt. Agency (Central)	Yes	769000
Center of Learning for Internet of Things	Funding Agency	Foundation for Advancement of Education and Research FAER	Educational Institute	Yes	15000
Center of Learning for Internet of Things	Funding Agency	K. K. Constructions	Corporate / Industry Association	Yes	525000
Center of Learning for Internet of Things	Funding Agency	Gemini Electro Corporation	Corporate / Industry Association	Yes	20000

Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

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Principal Innovator				
Name	Type	Gender	Email	Contact
Aakriti Suman	Student	Female	aakritisuman0@gmail.com	9742694720

Co-Innovator				
Name	Type	Gender	Email	Contact
Dr Shobha K R	Faculty	Female	shobha_shankar@msrit.edu	9886493763

METHOD OF SAFETY HELMET DESIGNING	Center of Learning for Internet of Things	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2017	<table border="1"> <thead> <tr> <th colspan="2">IP / Patented Technology</th> </tr> </thead> <tbody> <tr> <td>Applied for Patent</td> <td>Yes</td> </tr> <tr> <td>Patent Application No</td> <td>2019 4102 5906</td> </tr> <tr> <td>Year of Patent Application</td> <td>2019</td> </tr> </tbody> </table>	IP / Patented Technology		Applied for Patent	Yes	Patent Application No	2019 4102 5906	Year of Patent Application	2019	Still Under Development Process	TRL 6 : Prototype system tested in intended environment close to expected performance.	<table border="1"> <thead> <tr> <th>Yes</th> </tr> </thead> <tbody> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>200000</td> </tr> </tbody> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	200000	No	No
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DESIGN OF SMART HELMET	Center of Learning for Internet of Things	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2017	IP / Patented Technology	Still Under Development Process	TRL 6 : Prototype system tested in intended environment close to expected performance.	Yes	No	No																				
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Saline based reconfigurable liquid antenna system	Antenna design lab	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Faculty	2019	IP / Patented Technology	Still Under Development Process	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Yes	No	No																				
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Developing Teaching Learning Apps for differently abled students	Intel Lab	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Faculty and Student	2017	Non-IP / Non-Patented Technology	Completed and Ready for Commercialization/Incubation	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	<table border="1"> <tr><td data-bbox="1635 775 1827 836">Yes</td></tr> <tr><td data-bbox="1635 836 1827 1050">Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td data-bbox="1635 1050 1827 1474">1453000</td></tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	1453000	<table border="1"> <tr><td data-bbox="1827 775 2020 836">Yes</td></tr> <tr><td data-bbox="1827 836 2020 1161">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td></tr> <tr><td data-bbox="1827 1161 2020 1204">1453000</td></tr> <tr><td data-bbox="1827 1204 2020 1364">Seedfund/Angel/VC Agency Name</td></tr> <tr><td data-bbox="1827 1364 2020 1474">Saroj R. Dusa d Trust, New Delhi</td></tr> <tr><td data-bbox="1827 1364 2020 1474">Agency Type</td></tr> <tr><td data-bbox="1827 1364 2020 1474">Non-Govt. Agencies</td></tr> </table>	Yes	Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)	1453000	Seedfund/Angel/VC Agency Name	Saroj R. Dusa d Trust, New Delhi	Agency Type	Non-Govt. Agencies	<table border="1"> <tr><td data-bbox="2020 775 2213 836">Yes</td></tr> <tr><td data-bbox="2020 836 2213 1161">Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td></tr> <tr><td data-bbox="2020 1161 2213 1474">1453000</td></tr> </table>	Yes	Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)	1453000		
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-	Faculty	Female	lincymm99@gmail.com	9620483083																										
Jagadeesh D	Faculty	Male	durgamsai@gmail.com	9620951888																										
Center for Advanced Manufacturing Composite Materials	Nano materials synthesis Lab	TRL 0 : Idea. Unproven concept, no testing has been performed.	Faculty	2018	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 0 : Idea. Unproven concept, no testing has been performed.	<table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td></tr> <tr><td>100000</td></tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	100000	No	<table border="1"> <tr><td>Yes</td></tr> <tr><td>Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)</td></tr> <tr><td>100000</td></tr> </table>	Yes	Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)	100000														
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Principal Innovator

Name	Type	Gender	Email	Contact
Mr.Gowrav L	Alumni Entrepreneur	Male	gowravl@gmail.com	9886649822

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Principal Innovator				
Name	Type	Gender	Email	Contact
Arpita R	Student	Female	arpitar@gmail.com	9886649822

Co-Innovator				
Name	Type	Gender	Email	Contact
akriti	Student	Female	akritiscience@gmail.com	9886649822

Modular photobioreactor	Entrepreneurship development center	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Student	2017	<table border="1"> <tr> <th colspan="2">IP / Patented Technology</th> </tr> <tr> <td>Applied for Patent</td> <td>No</td> </tr> <tr> <td>Patent Application No</td> <td></td> </tr> <tr> <td>Year of Patent Application</td> <td></td> </tr> </table>	IP / Patented Technology		Applied for Patent	No	Patent Application No		Year of Patent Application		Receiving Incubation Support at Incubation Centre	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>100000</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	100000	No	No
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Principal Innovator				
Name	Type	Gender	Email	Contact
Shashidhar BA	Student	Male	bashasidhar@gmail.com	9886649822

Co-Innovator				
Name	Type	Gender	Email	Contact
rohan	Student	Male	rohankumar1997@gmail.com	9886649822

Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute 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 2018-19?											
Mesh3DPrinting	Entrepreneurship development center	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Student	2017	<table border="1"> <tr> <th colspan="2">IP / Patented Technology</th> </tr> <tr> <td>Applied for Patent</td> <td>No</td> </tr> <tr> <td>Patent Application No</td> <td></td> </tr> <tr> <td>Year of Patent Application</td> <td></td> </tr> </table>	IP / Patented Technology		Applied for Patent	No	Patent Application No		Year of Patent Application		Receiving Incubation Support at Incubation Centre	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>100000</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	100000	No	No
IP / Patented Technology																					
Applied for Patent	No																				
Patent Application No																					
Year of Patent Application																					
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100000																					
Principal Innovator																					
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Name	Type	Gender	Email	Contact																	
Jaya raj V	Student	Male	vjayaraj@gmail.com	9487511376																	
Co-Innovator																					
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Name	Type	Gender	Email	Contact																	
shashank	Student	Male	shashank1978@gmail.com	9886649822																	

Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Start-up Received Funding / Grant from Centre	Name of Centre	Year of Registration	Registered as	Start-up with Corporate Identification Number (CIN) Registration	Start-up Founded by	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	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 2018-19	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19?	Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19?	Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ?
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Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

ECODRIVES	Entrepreneurship development center	2017-18	Private Limited	CU31900KA2018 PTC11829	Alumni Entrepreneur	Service Based Business Solution		No	Yes	Yes	No
									Total Seed Grant/Fund Amount Disbursed to Start-up by Institute/Centre (In Rupees)	Total Seed Fund/Angel/VC Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees)	Seed Fund/Angel/VC Agency Name
Founder											
Name		DIN Number		Type		Gender		Email		Contact	
SURAJ		08273867		Alumni Entrepreneur		Male		SURAJ@ECODRIVES.IN		8867208322	

Co-Incubation Partnership

Type of Partnership	Partnership Institute Name	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups Supported	Date of MOU / Agreement Signed on
Incubation Services/Support Extended to Other Institute	Shriram Institute of Industrial Research Delhi	Incubation, Mentoring	02	07-11-2017
Incubation Services/Support Received from Other Institute/Incubator	SSCU IISc Bangalore	Incubation, Mentoring	04	18-07-2016
Incubation Services/Support Received from Other Institute/Incubator	Tumkur University Tumkur	Incubation, Mentoring	15	08-01-2012

Co-Incubation Partnership

Incubation Services/Support Received from Other Institute/Incubator	Physics Department Mysore University	Incubation,Mentoring	01	11-01-2016
Incubation Services/Support Received from Other Institute/Incubator	Physics University Nagpur university	Incubation,Mentoring	01	10-01-2015

Technology Commercialization / Transfer

Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder		Centre / Department of Origin of Licence	Licence Transferred to		Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
				Patent/Licence Holder name (Institute Co-ownership is Must)	Contact number of license holder		Licence Transferred to	Institute		
Signal Processing methods for Reducing Sidelobes in Multicarrier Radar Signal	IP/Patented Technology	One-time transfer/Licensing	201641019465	Patent/Licence Holder name (Institute Co-ownership is Must)	C G Raghavendra	Electronics and Communication	Licence Transferred to	Institute	No	---
				Contact number of license holder	9886207787		Name of Industry/Start-up/Agency Received License/Technology	Ramaiah Institute of Technology		
				Email of Licence holder	cgraagu@msrit.edu		Address of Agency	MSR Nagar Bangalore		
				Gender	Male		Contact Number of Agency	08023600822		
				Email of Agency	principal@msrit.edu					

Declaration

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

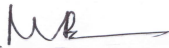
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. N V R Naidu (Head of Institute) and Dr. C S Chethan Kumar (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

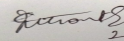
The Head of Institute



PRINCIPAL
M.S. RAMAIAH INSTITUTE OF TECHNOLOGY
(Autonomous Institute, Affiliated to VTU)
Bangalore - 54.

Dr. N V R Naidu
Head of the Institution,
M. S. RAMAIAH INSTITUTE OF TECHNOLOGY,
Bengaluru, Karnataka

Nodal officer



25-10-2019
Dr. C.S. CHETHAN KUMAR, M.E., M.S.A., M.A.
EDC - Head
Associate Professor
Dept. of Industrial Engg. & Management
M.S. RAMAIAH INSTITUTE OF TECHNOLOGY
(Autonomous Institute, Affiliated to VTU)
Bangalore - 560 076

Dr. C S Chethan Kumar
Nodal Officer,
M. S. RAMAIAH INSTITUTE OF TECHNOLOGY,
Bengaluru, Karnataka

Responsibility for accuracy and authenticity of data lies with the concerned institution.