



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)

Institute Name: K.S.RANGASAMY COLLEGE OF TECHNOLOGY [ARI-C-39247]

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

Financial Year	Program Type	Name of Program	Program Theme	Program Duration	Program Conducted	Participants Details			Expenditure Incurred		
						Number of Internal Participants	Number of External Participants	Total Number of Participants	Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Workshops / Training / Seminars / Conferences	Faculty Development Programme on Foundation program 4.0	Innovation	13-Jul-2015 to 18-Jul-2015 (6 Days)	Outside Campus	7	0	7	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Introduction of Industrial Technologies	Innovation	17-Jul-2015 to 17-Jul-2015 (1 Days)	Outside Campus	80	0	80	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Decade 2K16-Recent Trends and Technologies	Innovation	08-Aug-2015 to 08-Aug-2015 (1 Days)	Outside Campus	90	20	110	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Client side scripting	Innovation	25-Aug-2015 to 01-Sep-2015 (8 Days)	Outside Campus	40	0	40	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Choice is yours	Innovation	26-Aug-2015 to 26-Aug-2015 (1 Days)	Outside Campus	45	0	45	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Video Analytics	Innovation	07-Sep-2015 to 07-Sep-2015 (1 Days)	Outside Campus	50	0	50	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Renewable Energy Resource Integrated to Utility Grids	Innovation	09-Oct-2015 to 10-Oct-2015 (2 Days)	Within Campus	30	14	44	5500.00	0.00	5500.00
2015-16	Workshops / Training / Seminars / Conferences	Foundation Program for OOPs,RDBMS,SE, UID,WT	Innovation	04-Jan-2016 to 04-Jan-2016 (1 Days)	Outside Campus	40	0	40	0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Entrepreneurship Development Program	Entrepreneurship/Startup	06-Jan-2016 to 08-Jan-2016 (3 Days)	Within Campus	70	5	75	0.00	20000.00	20000.00

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

2015-16	Workshops / Training / Seminars / Conferences	Life is a puzzle but with Solutions	Innovation	21-Jan-2016 to 21-Jan-2016 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Connect2K16 - Recent Trends and Technologies	Innovation	23-Jan-2016 to 23-Jan-2016 (1 Days)	Outside Campus	90	15	105	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	International Conference on Frontiers of Computational Intelligence	Innovation	05-Mar-2016 to 05-Mar-2016 (1 Days)	Outside Campus	25	43	68	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Industrial Ergonomics and Musculoskeletal Disorder	Innovation	18-Mar-2016 to 19-Mar-2016 (2 Days)	Outside Campus	10	20	30	0.00	40000.00	40000.00
2015-16	Workshops / Training / Seminars / Conferences	Emerging Scenario and Power Engineering and Electrical Drives (eSPEED 2016)	Entrepreneurship/Startup	18-Mar-2016 to 19-Mar-2016 (2 Days)	Within Campus	0	32	32	10000.00	20000.00	30000.00
2015-16	Workshops / Training / Seminars / Conferences	Oracle skills	Innovation	19-Mar-2016 to 19-Mar-2016 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	National Level Technical Symposium - UTSAHA16	Innovation	19-Mar-2016 to 19-Mar-2016 (1 Days)	Outside Campus	0	50	50	0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Entrepreneurship Development Program	Entrepreneurship/Startup	21-Mar-2016 to 23-Mar-2016 (3 Days)	Within Campus	70	2	72	0.00	20000.00	20000.00
2015-16	Workshops / Training / Seminars / Conferences	Smart Grid Technology and Applications	Innovation	22-Apr-2016 to 23-Apr-2016 (2 Days)	Within Campus	20	25	45	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	PHP-MYSQL	Entrepreneurship/Startup	08-Mar-2016 to 09-Mar-2016 (2 Days)	Within Campus	7	40	47	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	GYANSYNC16	Innovation	11-Mar-2016 to 11-Mar-2016 (1 Days)	Within Campus	7	20	27	45850.00	0.00	45850.00
2016-17	Awareness / Motivational Programs	Use of ICT in Education for Online and Blended Learning	Innovation	02-May-2016 to 10-Jul-2016 (70 Days)	Within Campus	6	42	48	0.00	10000.00	10000.00
2016-17	Workshops / Training / Seminars / Conferences	How to write C Program	Entrepreneurship/Startup	16-Jul-2016 to 16-Jul-2016 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Entrepreneurship Development Program	Entrepreneurship/Startup	28-Jul-2016 to 30-Jul-2016 (3 Days)	Outside Campus	75	3	78	0.00	20000.00	20000.00
2016-17	Workshops / Training / Seminars / Conferences	Work shop on IOS	Innovation	30-Jul-2016 to 30-Jul-2016 (1 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	MongoDB	Entrepreneurship/Startup	08-Aug-2016 to 09-Aug-2016 (2 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	MOODLE	Innovation	09-Aug-2016 to 09-Aug-2016 (1 Days)	Within Campus	20	0	20	0.00	0.00	0.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Entrepreneurship Development Program	Entrepreneurship/Startup	18-Aug-2016 to 20-Aug-2016 (3 Days)	Outside Campus	71	4	75	0.00	20000.00	20000.00
2016-17	Awareness / Motivational Programs	CAFACE inaugural cum guest lecture on internet and applications	Entrepreneurship/Startup	27-Aug-2016 to 27-Aug-2016 (1 Days)	Within Campus	190	0	190	4407.00	0.00	4407.00
2016-17	Workshops / Training / Seminars / Conferences	Life and Career - An Educative Approach For Success	Entrepreneurship/Startup	27-Aug-2016 to 27-Aug-2016 (1 Days)	Within Campus	0	0	0	2000.00	0.00	2000.00
2016-17	Workshops / Training / Seminars / Conferences	SAP based Solutions	Innovation	27-Aug-2016 to 27-Aug-2016 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	IOT	Innovation	07-Sep-2016 to 07-Sep-2016 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	VBA and Macros	Entrepreneurship/Startup	19-Sep-2016 to 21-Sep-2016 (3 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Foundation Programme 4.0	Entrepreneurship/Startup	19-Sep-2016 to 21-Sep-2016 (3 Days)	Within Campus	100	0	100	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Internet of Things	Innovation	06-Oct-2016 to 07-Oct-2016 (2 Days)	Within Campus	8	40	48	46425.00	0.00	46425.00
2016-17	Awareness / Motivational Programs	guest lecture on electromagnetic fields	Innovation	14-Oct-2016 to 14-Oct-2016 (1 Days)	Within Campus	160	0	160	190.00	0.00	190.00
2016-17	Awareness / Motivational Programs	Interaction Meeting	Entrepreneurship/Startup	14-Oct-2016 to 14-Oct-2016 (1 Days)	Within Campus	57	0	57	0.00	0.00	0.00

Awareness / Training / Programmes organized by the Institute

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2016-17	Awareness / Motivational Programs	Electrical energy generation,utilization and conservation	Innovation	14-Dec-2016 to 20-Dec-2016 (7 Days)	Within Campus	5	16	21	10472.00	0.00	10472.00
2016-17	Workshops / Training / Seminars / Conferences	Awareness about greenish	Innovation	12-Jan-2017 to 12-Jan-2017 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Corporate culture	Innovation	28-Jan-2017 to 28-Jan-2017 (1 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	VLSI FPGA workshop	Innovation	10-Feb-2017 to 10-Feb-2017 (1 Days)	Within Campus	0	40	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	ARDUINO	Innovation	22-Feb-2017 to 22-Feb-2017 (1 Days)	Within Campus	0	38	38	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	ANTENNA DESIGN	Innovation	22-Feb-2017 to 22-Feb-2017 (1 Days)	Within Campus	0	44	44	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	NATIONAL LEVEL TECHNICAL SYMPOSIUM	Innovation	23-Feb-2017 to 23-Feb-2017 (1 Days)	Within Campus	0	300	300	0.00	125562.00	125562.00
2016-17	Workshops / Training / Seminars / Conferences	Hands-on Game Development	Innovation	07-Mar-2017 to 07-Mar-2017 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Ethikal Hacking	Innovation	09-Mar-2017 to 09-Mar-2017 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Ethical Hacking	Innovation	09-Mar-2017 to 09-Mar-2017 (1 Days)	Within Campus	0	0	0	35150.00	0.00	35150.00
2016-17	Workshops / Training / Seminars / Conferences	Advancing Technology	Innovation	10-Mar-2017 to 10-Mar-2017 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Python Programming	Innovation	14-Mar-2017 to 15-Mar-2017 (2 Days)	Within Campus	0	0	0	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	GYANYANC 17	Innovation	17-Mar-2017 to 18-Mar-2017 (2 Days)	Within Campus	0	0	0	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Single Sign On Security in IOT	Innovation	17-Mar-2017 to 17-Mar-2017 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00

Awareness / Training / Programmes organized by the Institute

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2016-17	Workshops / Training / Seminars / Conferences	Emerging Scenarios and Power Engineering and Electrical Drives (eSPEED 2017)	Innovation	06-Apr-2017 to 07-Apr-2017 (2 Days)	Within Campus	10	30	40	10000.00	20000.00	30000.00
2016-17	Awareness / Motivational Programs	Python Programming	Entrepreneurship/ Startup	16-Apr-2017 to 18-Apr-2017 (3 Days)	Within Campus	45	0	45	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Internet of Things (IOT)	Innovation	21-Jun-2017 to 22-Jun-2017 (2 Days)	Within Campus	10	8	18	40000.00	40000.00	80000.00
2016-17	Workshops / Training / Seminars / Conferences	Additive Manufacturing (3D Printing) in Bio Medical Applications	Innovation	23-Aug-2017 to 24-Aug-2017 (2 Days)	Within Campus	30	16	46	0.00	40000.00	40000.00
2016-17	Awareness / Motivational Programs	Enhancing Agricultural Growth through Food Processing	Entrepreneurship/ Startup	01-Dec-2017 to 01-Dec-2017 (1 Days)	Within Campus	57	0	57	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Power Systems	Innovation	10-Jul-2017 to 15-Jul-2017 (6 Days)	Within Campus	20	6	26	0.00	83265.00	83265.00
2017-18	Awareness / Motivational Programs	Current Status of Food industries In India	Innovation	24-Jul-2017 to 24-Jul-2017 (1 Days)	Within Campus	57	0	57	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Cluster Computing Using Spark	Innovation	27-Jul-2017 to 27-Jul-2017 (1 Days)	Within Campus	80	0	80	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Deep Learning	Entrepreneurship/ Startup	28-Jul-2017 to 28-Jul-2017 (1 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Cluster Computing using Spark	Entrepreneurship/ Startup	28-Jul-2017 to 28-Jul-2017 (1 Days)	Within Campus	9	60	69	3000.00	0.00	3000.00
2017-18	Workshops / Training / Seminars / Conferences	Angular JS	Innovation	05-Aug-2017 to 05-Aug-2017 (1 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Entrepreneurship Awareness Camp	Entrepreneurship/ Startup	07-Aug-2017 to 09-Aug-2017 (3 Days)	Outside Campus	72	5	77	0.00	2000.00	2000.00
2017-18	Awareness / Motivational Programs	Recent Development in Baking and Confectionary Technology	Entrepreneurship/ Startup	22-Aug-2017 to 22-Aug-2017 (1 Days)	Within Campus	57	0	57	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Entrepreneurship Awareness Camp	Entrepreneurship/ Startup	28-Aug-2017 to 30-Aug-2017 (3 Days)	Outside Campus	65	5	70	0.00	20000.00	20000.00

Awareness / Training / Programmes organized by the Institute

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2017-18	Workshops / Training / Seminars / Conferences	Python Programming	Entrepreneurship/ Startup	14-Sep-2017 to 16-Sep-2017 (3 Days)	Within Campus	45	0	45	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	DREAM BIG	Innovation	27-Sep-2017 to 27-Sep-2017 (1 Days)	Within Campus	55	0	55	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Hadoop	Innovation	06-Oct-2017 to 08-Oct-2017 (3 Days)	Within Campus	42	0	42	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Entrepreneurship Awareness Camp	Entrepreneurship/ Startup	07-Oct-2017 to 10-Oct-2017 (4 Days)	Outside Campus	71	5	76	0.00	20000.00	20000.00
2017-18	Workshops / Training / Seminars / Conferences	Challenges and Opportunities of IoT Stand alone and Interactive Micro Grid System	Innovation	01-Nov-2017 to 03-Nov-2017 (3 Days)	Within Campus	6	19	25	0.00	100000.00	100000.00
2017-18	Workshops / Training / Seminars / Conferences	JAVA and Android App Development	Entrepreneurship/ Startup	19-Dec-2017 to 19-Dec-2017 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Design-of-Experiments in Bioprocess Optimization	Innovation	04-Jan-2018 to 05-Jan-2018 (2 Days)	Within Campus	15	46	61	0.00	100000.00	100000.00
2017-18	Workshops / Training / Seminars / Conferences	Big data analysis workshop	Innovation	06-Jan-2018 to 06-Jan-2018 (1 Days)	Within Campus	0	60	60	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	System design using Arduino workshop	Innovation	09-Feb-2018 to 09-Feb-2018 (1 Days)	Within Campus	0	46	46	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	National level technical symposium	Innovation	16-Feb-2018 to 16-Feb-2018 (1 Days)	Within Campus	0	100	100	15000.00	0.00	15000.00
2017-18	Workshops / Training / Seminars / Conferences	VLSI design using FPGA	Entrepreneurship/ Startup	16-Feb-2018 to 16-Feb-2018 (1 Days)	Within Campus	0	16	16	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	ULTRON18	Innovation	22-Feb-2018 to 23-Feb-2018 (2 Days)	Within Campus	8	40	48	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	DREAM BIG	Innovation	22-Feb-2018 to 23-Feb-2018 (2 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Dynamic Web	Innovation	22-Feb-2018 to 23-Feb-2018 (2 Days)	Within Campus	4	26	30	37014.00	0.00	37014.00

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2017-18	Workshops / Training / Seminars / Conferences	Big Data Analytics	Innovation	23-Feb-2018 to 23-Feb-2018 (1 Days)	Within Campus	6	30	36	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	MongoDB	Innovation	02-Mar-2018 to 04-Mar-2018 (3 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Search Engine	Entrepreneurship/Startup	04-Apr-2018 to 04-Apr-2018 (1 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Recent trends on Food Technology and expertise of Budding Researcher	Entrepreneurship/Startup	01-Aug-2018 to 01-Aug-2018 (1 Days)	Within Campus	57	0	57	2000.00	0.00	2000.00
2017-18	Workshops / Training / Seminars / Conferences	Baking and Confectionary Technology	Entrepreneurship/Startup	22-Aug-2018 to 23-Aug-2018 (2 Days)	Within Campus	33	0	33	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Application of Human Sensorium to Analyse and Evaluate Food Samples	Entrepreneurship/Startup	02-Oct-2018 to 03-Oct-2018 (2 Days)	Within Campus	51	0	51	25500.00	0.00	25500.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

Financial Year	Program Type	Program Theme	Name of Event	Organizing Agency / Institute Name	Level of Event	Type of Participants	Nos of Participants	Achievements (Awards/Recognitions/Prize, If any)	Expenditure Incurred		
									Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	Smart Grid Technology and Applications	KSRCT	National	Faculty	5	0	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Embedded System Design using Atmel Atmega XPLD mini 168PB ARM based SAM D21	Coimbatore Institute of Technology, Coimbatore/AICTE	National	Faculty	3	0	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Modeling and simulation of Non-Linear Electrical systems	Coimbatore Institute of Technology, Coimbatore/AICTE	National	Faculty	5	0	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Technical Communication	IIT, Bombay/MHRD	National	Faculty	2	0	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Challenges on Insulation Reliability in Smart Grid Application	Pondicherry Engineering College/AICTE QIP	National	Faculty	3	0	0.00	0.00	0.00

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2015-16	Workshops / Training / Seminars / Conferences	Innovation	Renewable energy sources integrated to utility grids	KSRCT	National	Faculty	2		0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Innovation	Role of Renewable Energy in Indian Power Sector	Anna University,BIT Campus, Tiruchi/TEQIP II	National	Faculty	3		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Advances in Earthing Techniques and Lighting protection	Bannari Amman Institute of Technology, Sathyamangalam	National	Faculty	4		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Power Electronic Systems Design Challenges and Prototyping	PSG College of Technology, Coimbatore	National	Faculty	2		3600.00	0.00	3600.00
2015-16	Awareness / Motivational Programs	Innovation	New Trends in Power System Protection and Control Techniques	Indian Institute of Technology, Roorkee, Uttarakhand	National	Faculty	1		0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Entrepreneurship/S tartup	Advances In Power System Operation, Protection And Control	Sree Vidhyanikethan Engineering College, Andhra Pradesh	National	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Hands-on Nextgen Sequencing and Bioinformatics	Centre for Cell and Molecular Biology, Hyderabad.	National	Faculty	2		0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Innovation	Students Skill development	Intel® Ultimate Coder Challenge for IoT	International	Both	3		0.00	450000.00	450000.00
2015-16	Awareness / Motivational Programs	Entrepreneurship/S tartup	Inaugural cum Guest lecture	KSRCT	National	Both	40		7212.00	0.00	7212.00
2015-16	Awareness / Motivational Programs	Entrepreneurship/S tartup	Project based learning using MATLAB	KSRCT	National	Both	40		8223.00	0.00	8223.00
2015-16	Awareness / Motivational Programs	Innovation	Awareness programme on breast cancer	KSRCT	National	Both	45		1260.00	0.00	1260.00
2015-16	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	National level technical symposium	KSRCT	National	Both	75		0.00	87040.00	87040.00
2015-16	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	Raspberry pi workshop	KSRCT	National	Both	22		6745.00	0.00	6745.00
2016-17	Other Related Programs	Innovation	Smart India Hackathon17	Manipal Institute of Technology, Manipal	National	Student	5		0.00	0.00	0.00
2016-17	Other Related Programs	Innovation	Smart India Hackathon17	Rajthani Institute of Engineering and Technology, Trivandrum	National	Student	6		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Innovation	Control system	JCT College of Engineering and Technology	National	Faculty	1		0.00	0.00	0.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2016-17	Other Related Programs	Innovation	Electric Power system	IIT,Kharagpur	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Orientation Workshop	IIT,Bombay	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Use of ICT in Education for online and Blended Learning	IIT,Bombay	National	Faculty	2		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Industrial Drives Automation and Intelligent Control	Government College of Engineering,	National	Faculty	2		2290.00	0.00	2290.00
2016-17	Awareness / Motivational Programs	Innovation	HVDC Systems for Bulk Power Transmission and Grid Integration of Renewable Energy Sources	IIT,Roorkee	National	Faculty	1		5000.00	0.00	5000.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Recent Trends in CMOS VLSI Design And Its Device Modeling	Coimbatore Institute of Technology, Coimbatore	National	Faculty	2		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Advanced Material Processing Microstructural design and Analysis	NIT,Thiruchy	National	Faculty	1		500.00	0.00	500.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Electric Energy Generation, Utilization and Conservation	K.S.Rangasamy College of Technology, Thiruchengode.	National	Faculty	5		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Innovation	Integration of Renewable Energy Storage and system Operation	Government College of Engineering ,Salem	National	Faculty	2		3245.00	0.00	3245.00
2016-17	Awareness / Motivational Programs	Innovation	Integration of Alternate Energy Sources and Smart Grid	Dr.N.G.P. Institute of Technology, Coimbatore	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Recent Advances in UHV Transmission and Distribution	Indian Institute of Science, Bangalore	National	Faculty	2		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Power system Simulation studies using MiPower V9.1 Software	Power Research & Development Consultants Pvt.Ltd., Bangalore.	National	Faculty	2		10000.00	0.00	10000.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Energy analytics for smart Cities Microgrid Distributed Generation and Electric vehicles	IISC, Bangalore	National	Faculty	1		0.00	0.00	0.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2016-17	Workshops / Training / Seminars / Conferences	Innovation	Recent developments in Electrical Power Engineering	National Institute of Technology, Thiruchirapalli	National	Faculty	2		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	Intellectual Property Rights	K.S.Rangasamy College of Technology, Thiruchengode	National	Faculty	2		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Innovation	Coordinator and Programme In Charge of Chennai Region	Indira Gandhi National Open University, Chennai	National	Faculty	1		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Innovation	Train the trainers-A Pedagogical Approach	PSG Institute of Technology and Applied Research, Coimbatore	National	Faculty	1		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Innovation	Integration, Control and Metering of Renewable Energy Sources for Smart Grid System A Research Perspective Approach	PSG College of Technology ,Coimbatore	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	PLC Practices and Applications	Sona College of Technology, Salem	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Use of ICT in Education for online and Blended Learning	Indian Institute of Technology, Bombay	National	Faculty	2		2400.00	0.00	2400.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Workshop	K. S. Rangasamy College of Technology, Tiruchengode.	National	Faculty	1		0.00	0.00	0.00
2016-17	Other Related Programs	Innovation	State level contest	Tamil Nadu state council for inter state contest	National	Student	6		0.00	60000.00	60000.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	IICDC2016	Texas instrument	National	Student	16		2000.00	56000.00	58000.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	National level project contest	Government engineering college, salem	National	Student	4		0.00	1000.00	1000.00
2017-18	Other Related Programs	Entrepreneurship/S tartup	CIPR	MIT	National	Faculty	1		1500.00	0.00	1500.00
2017-18	Other Related Programs	Entrepreneurship/S tartup	Online Quiz For Campus Lectures	IIT Madras	National	Student	1		0.00	500.00	500.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Extracton Of Methane From Sewage Using Seaweeds	PALS	National	Student	4		0.00	17000.00	17000.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2017-18	Workshops / Training / Seminars / Conferences	Innovation	Extracton Of Methane From Sewage Using Seaweeds	PALS	National	Student	4		0.00	5000.00	5000.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Waste Management System To Control Pollutio Using Smart Dustbin	PALS	National	Student	4		0.00	5000.00	5000.00
2017-18	Other Related Programs	Innovation	Smart India Hackathon 18	Panipat Institute of Engineering and technology, Haryana	National	Student	7		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	Recent Trends in Life Science Research Practices and Application for Sustainable Development	Bharathiyar University	National	Faculty	1		1500.00	0.00	1500.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	World Food India	New Delhi	International	Faculty	2		51812.00	0.00	51812.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Food Safety and Quality system from form to fork	TNAU	National	Faculty	1		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	Advances in wastewater treatment and Air pollution control technical	Annamalai University	National	Faculty	1		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	Food Production	Kongu Engineering College	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Condition Monitoring ,Diagnostics and Testing of High Voltage apparatus	Ilsc, Bangalore	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Electric Power System	IIT,Kharagpur	National	Faculty	20		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Foundation Program for ICT in Education	IIT,Bombay	National	Faculty	5		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Pedagogy for Online and Blended Teaching Learning Process	IIT,Bombay	National	Faculty	5		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Improving your API Scores based on UGC Regulations	K.S.Rangasamy College of Technology, Thiruchengode	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Circuit Simulation and PCB Design using Target 3001	Dellsoft Technologies	National	Faculty	6		0.00	0.00	0.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2017-18	Workshops / Training / Seminars / Conferences	Innovation	Power System Design,Simulation and Analysis using DigSILENT Power factory Software	Dellsoft Technologies	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Challenges and Oppurtunities of IOT based standalone and interactive microgrid systems	K.S.Rangasamy College of Technology, Thiruchengode	National	Faculty	14		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Recent Developments in Conventional and Non - Conventional Energy Resources	Pondicherry Engineering College	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Recent developments in conventional and non-conventional energy sources	Pondicherry Engineering College, Puducherry	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Smart Power Grid Technologies	Government College of Technology ,Coimbatore	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Learner Centric MOOC From Conceptualizing to Conducting	IIT,Bombay	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Computational Energy Management In Smart Grid	Vivekanandha College Of Engineering for Women, Thiruchengode.	National	Faculty	6		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Potential and Challenges for Integrating Renewable Energy for Smart City Implementation	PSG College of Technology, coimbatore	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Nascent Generation and Distribution Technologies and Potential Research problems in Power Systems	Pondicherry Engineering College, Puducherry	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Frontiers in Materials Research for Energy Application	Thiagarajar College of Engineering, Madurai	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Recent research trends in smart grid	Coimbatore Institute Of Technology	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	Entrepreneurship for life science students	K.S.Rangasamy College of Technology	National	Faculty	1		0.00	0.00	0.00
2017-18	Other Related Programs	Innovation	Student skill development	Hackster	National	Student	3		0.00	7000.00	7000.00

Institute's Participation in Events / Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2017-18	Other Related Programs	Innovation	Student skill development	IIT, Bombay	National	Student	5		0.00	3500.00	3500.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	IICDC 2017	Texas instruments	International	Student	4		0.00	14000.00	14000.00

Pre-Incubation and Incubation facilities exist in-campus

Total Annual Expenditure Incurred towards Creation of Pre-Incubation and Incubation Facilities in Campus

Financial Year	Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge Name	Facility area in Sq Ft	Operational Cost of Centre (in Rs.) (Construction Cost is excluded)		
							Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2016-17	KSR Centre of Excellence for Manufacturing	Incubation	2017	KSR Innovation Technology Park,KSR Educational Institutions, Tiruchengode, Namakkal District, Tamil Nadu - 637215.	Dr.N.Tiruvenkadam	6600	50000000.00	0.00	50000000.00
2017-18	Startup Centre	Pre-Incubation	2018	Start up centre, K.S.R.Innovation Park, K.S.R.Kalvi Nagar, Tiruchengode	Dr.S.Premkumar	2400	2500000.00	0.00	2500000.00

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

Financial Year	Category	Name of Idea / Project / Innovation / Startup	Applicant Type	Academic Year of Study	Project Completion	Core Team Size (Nos)	Fund Supported				Current Status (as of 31st March 2018)
							Institution Own Seed Fund	Seed Grant from Funding Agency	Angel / Venture Capital Fund	Total Supported Amount	
2015-16	Idea to PoC / Prototype / Innovation	Evaluation of antibiotics producing Streptomyces spp. against rhizome rot disease in turmeric	Faculty		On Progress	2	0.00	1606600.00	0.00	1606600.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Nanobiotechnological approaches for the management of stem and root diseases of tea plants using indigenous biocontrol agents	Faculty		On Progress	1	0.00	1263600.00	0.00	1263600.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Development of simple with rapid protocol for identification of lichensobtained from Western Ghats using Image Processing Techniques in cloud Computing	Faculty		On Progress	1	0.00	2971000.00	0.00	2971000.00	Technology Development/Pre Incubation Phase

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

2015-16	Idea to PoC / Prototype / Innovation	Automated Karyotyping Process for Detecting Numerical Aberration in G-Band Chromosome Images	Faculty		Successfully Completed	1	0.00	563000.00	0.00	563000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	design and fabrication of low cost 3d printers	Student and Faculty		Successfully Completed	4	15000.00	0.00	0.00	15000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Large scale production of antibiotics through modernization of bioreactors and accessories in the Bioprocess Engineering and Technology Laboratory	Faculty		On Progress	3	0.00	1400000.00	0.00	1400000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Development of computational tools for early detection of cardiovascular disease through analysis of data from otherwise healthy individuals	Faculty		On Progress	2	0.00	2630000.00	0.00	2630000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Project Performance enhancement of solar panel using fensel lens and cooling system with mineral oil	Faculty		Successfully Completed	2	5000.00	10000.00	5000.00	20000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Diversity and documentation of various attributes in lichen species using foldscope for predictive healthy forest through fuzzy with ANN model.	Faculty		On Progress	2	0.00	800000.00	0.00	800000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Foldscope visualization of pathogenic virulence of household vectors for disease control	Faculty		On Progress	2	0.00	400000.00	0.00	400000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	GEOGRAPHICAL LOCATION AND IDENTIFICATION OF MEDICINAL PLANTS	Student and Faculty		On Progress	9	20000.00	0.00	0.00	20000.00	Graduated Startup
2017-18	Idea to PoC / Prototype / Innovation	Smart Fishpond Monitoring and controlling System using Internet of Things platform	Student and Faculty		On Progress	6	20000.00	0.00	0.00	20000.00	Graduated Startup

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

2017-18	Idea to PoC / Prototype / Innovation	Supporting Farmers to increase yield	Student and Faculty		On Progress	10	20000.00	0.00	0.00	20000.00	Graduated Startup
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Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

Financial Year	Title of Patent	Patent Application No	Inventors Type	Type of Patent Application Filed	Current Status (as of 31st March 2018)	Amount Spent towards Patent Filing (in Rs.)		
						Institution Own Fund	Sponsorship / Grant Fund	Total Amount Spent towards Patent Filing (in Rs.)
2015-16	Mass production of MnO ₂ nanoparticles employing spray pyrolysis method for zinc primary	Field	Faculty	National	Application under Examination	6000.00	0.00	6000.00
2015-16	TiO ₂ and Neem Doped Chitosan- Hydroxypropyl Methylcellulose Nanocomposite Films for Food Packaging Applications	736CHE2014	Student and Faculty	National	Application Published	6200.00	0.00	6200.00
2015-16	Production of Nanostructured Silicon From Natural Quartzite	4042CHE2013	Student and Faculty	National	Application Published	6000.00	0.00	6000.00
2016-17	A Smart Color Writing Tool For Interactive Boards	201741013344	Faculty	National	Application Published	6500.00	0.00	6500.00
2016-17	GA-RNAPRED RNA Secondary Structure Prediction Tool	6508/2016-CO/SW	Faculty	National	Application Published	6600.00	0.00	6600.00
2016-17	Single step process of extraction and purification of methyl orsellinate from lichen Rocella montagnei for potential antimicrobial activity	53/2016	Faculty	National	Application under Examination	6000.00	0.00	6000.00
2017-18	INNOVATIVE AND EFFICIENT TECHNOLOGY FOR BIODIESEL PRODUCTION FROM NON-EDIBLE OILS	201741013344A	Faculty	National	Application Published	6000.00	0.00	6000.00
2017-18	Innovative and efficient technology for Biodiesel production from Non edible oils	1103/CHE/2011	Faculty	National	Patent Granted	6000.00	0.00	6000.00
2017-18	Smart Self Power Generating and Moving Trash Collector	201841031865A	Faculty	National	Application under Examination	6800.00	0.00	6800.00
2017-18	Process design and fabrication of sodium alginate from Sargassum wightii as a coating roof of proteinated grape fruits using agricultural waste proteins	201741035661A	Student and Faculty	National	Application under Examination	6200.00	0.00	6200.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2017-18	Novel compound from <i>Leucas aspera</i> L. and its Anti - Cancer activity	1052018	Faculty	National	Application Published	6300.00	0.00	6300.00
2017-18	Novel Phenolic Compounds from <i>Neriumindicum</i> with Anti - Breast cancer activity	1052018A	Faculty	National	Application Published	6200.00	0.00	6200.00
2017-18	Reconfigurable IoT Node Device	201841021900A	Faculty	International	Patent Granted	37900.00	0.00	37900.00

Innovations Commercialized and IP Licensed

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

Financial Year	Name of the Innovative Technology Commercialized/Transferred	Patent No	Type of Patent	Year of Patent Issued	Conversion of Patent / Innovative Technologies to Commercialization		Total Amount Spent towards Patent Maintenance & Commercialization Expenses (in Rs.) (As of 31st March 2018)		Total Revenue Amount from Commercialization of Technologies (General Consultancy and Testing Services Fee Excluded)	
					Mode of Commercialization	Name of Agency / Org / Industry / Start-up Adopted Technology	Institute Own/Internal Fund (in Rs.)	Sponsorship / Grant Fund	Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rs.) as of 31st March 2018	Institute Own/Internal Fund (in Rs.)
2015-16	Nanobiofertilizer Production	US/12/916497	International	2010	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rs.)	500000.00	Institute Own/Internal Fund (in Rs.)	500000.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	KSR Biofertilizer	Sponsorship / Grant Fund	0.00		
2017-18	Antioxidant Bioactive production through Marine algal species	1799/CHE/2015A	National	2015		Mode of Commercialization	Conversion into Start-up	Institute Own/Internal Fund (in Rs.)	20000.00	Institute Own/Internal Fund (in Rs.)
					Name of Agency / Org / Industry / Start-up Adopted Technology	Sakthi Bionutric Foods	Sponsorship / Grant Fund	0.00	Sponsorship / Grant Fund	
						Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rs.) as of 31st March 2018	500000.00	Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rs.) as of 31st March 2018	500000.00	
						Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rs.) as of 31st March 2018	20000.00	Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rs.) as of 31st March 2018	20000.00	

Grant / Fund Generated / Received by Institute to support Innovation & Start-up

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

Financial Year of Fund Generated	Grant Agency Type	Grant Agency Name	Total Grant Period (in Years)	Total Grant Allocated Amount (in Rs.)	Total Grant Received Amount (in Rs.) (as of 31st March 2018)	Purpose of Grant Utilization (Multiple options can be selected)	Purpose of Grant Utilization (Other)
2015-16	Government	DST SERB	03	4082942.00	4082942.00	Seed Fund / Investment Support to Innovation/Startups	---
2015-16	Government	DST INSPIRE	4	2050000.00	2050000.00	Seed Fund / Investment Support to Innovation/Startups	---
2015-16	Government	DST WOS	3	2203000.00	2203000.00	Seed Fund / Investment Support to Innovation/Startups	---

Grant / Fund Generated / Received by Institute to support Innovation & Start-up

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

2015-16	Government	DST- NIMAT, Ahmedabad	03	120000.00	120000.00	Training and Capacity Development on Innovation/Startup	---
2016-17	Government	DST-NIMAT, Ahmedabad	03	180000.00	180000.00	Pre-Incubation & Incubation Activities in Campus	---
2016-17	Government	DBT STAR	3	8200000.00	8200000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2017-18	Government	DST-NIMAT	03	180000.00	180000.00	Training and Capacity Development on Innovation/Startup	---

Venture Fund / Investment mobilized to support Innovation & Start-up

Total Angel/Venture Fund Mobilized Annually towards Investment Commitment/Support Innovators/Start-ups incubated at Institute

Financial Year	Investor Type	Amount Committed / Lined Up (in Rs.)	Total Number of Successful Investments in Ideas / Innovation / Start-ups	Total Amount Invested
2016-17	Institute / Incubator's Own Investment Fund, if any	500000.00	10	300000.00
2017-18	Institute / Incubator's Own Investment Fund, if any	500000.00	6	300000.00

Revenue Generated from Incubation Services offered by the Institute

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

Financial Year of Revenue Generated	Name of the Startup	Startup lead by	Current Phase of Startup	Revenue Generated from Incubation			
				From Rental / Advisory / Training Services (in Rs.)	Equity / Share Percentage (%) in Startup	From Equity/Share held in Startup (in Rs.)	Total Revenue Generated (in Rs.)
2017-18	Sakthi Bionutric Foods	Faculty	Receiving Incubation	20000.00	5	10000.00	30000.00

Infrastructures & Facilities to Support Innovations and Start-ups

Advanced Infrastructure

Advanced Lab Infrastructure/Facilities available to Support Innovation and Start-Up

Yes

If Yes, Type of Lab Infrastructures / Facilities Available (Multiple Options can be Selected)

Design Centre, Fabrication Lab, Automation Lab, Bio-Design Centre

List Maximum Five Advanced Labs Infrastructures Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
KSR Centre of Excellence for Manufacturing	Automobile, Bio Technology, Advanced Manufacturing	Dr.N.Tiruvenkadam	ksrptcdc@gmail.com
Nice lab centre	Design and Simulation	Dr. Manojkumar	manojkumaran.p@gmail.com
Animal House Facility	Preclinical trials, Validation of Drug compounds	Dr. Syed Zameer Ahmed	hodbt@ksrct.ac.in

Pre Incubation Centre Available in your Campus

Infrastructures & Facilities to Support Innovations and Start-ups
Advanced Infrastructure
Pre-Incubation Centre

Yes

Type of Centre (Multiple options can be selected)

Innovation Cell/Startup Cells, Student Innovation and Entrepreneurship Clubs

List Maximum Five Pre-Incubation Centre Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
Internet of Things	Automation	Dr. P. Premkumar	hodei@ksrct.ac.in

Incubation Unit/Acceleration Centre/ Research Park / STEP
Incubation Unit/Acceleration Centre/ Research Park / STEP Available in your Campus

No

Type of Centre (Multiple options can be selected)
List Maximum Five Pre-Incubation Centre Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
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Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renounced Agencies/Awards

Financial Year of Award Received	Name of the Award / Program	Awarding Agency Name	Type of Award	Current Status (as of 31st March 2018)	Total Team Size (Student + Faculty)
2015-16	Intel Ultimate Coder Challenge for IoT	Intel	National	Graduated Startup	4
2016-17	Smart India Hackthon 17	Manipal Institute of Technology, Manipal	National	Graduated Startup	5
2016-17	Smart India Hackthon 17	Rajthani Institute of Engineering and Technology, Trivandrum	National	Graduated Startup	6
2016-17	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2016-17	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2016-17	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2016-17	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2016-17	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2

Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renounced Agencies/Awards

2016-17	state level project contest	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	3
2016-17	National level project contest	Government College of Engineering, Salem	International	Technology Development/Pre Incubation Phase	4
2017-18	Namakkal District Skill Summit	Skill India	National	Technology Development/Pre Incubation Phase	5
2017-18	Smart India Hackthon	Panipat Institute of Engineering and technology, Haryana	National	Technology Development/Pre Incubation Phase	7
2017-18	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2017-18	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2017-18	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2017-18	Best Project Award	Tamil Nadu State Council for Science and Technology, Chennai	National	Technology Development/Pre Incubation Phase	2
2017-18	Hackster Onilne contest	Hackster (website)	National	Technology Development/Pre Incubation Phase	3
2017-18	Esim circuit simulation	IIT Bombay	National	Technology Development/Pre Incubation Phase	3
2017-18	Esim circuit simulation	IIT Bombay	National	Technology Development/Pre Incubation Phase	1
2017-18	Esim circuit simulation	IIT Bombay	National	Technology Development/Pre Incubation Phase	1

Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

Financial Year	Innovation / Start-Up Name	Founded by	Name of the Co-Founders (Multiple Names can be mentioned with Commas)	Received Incubation	Name of Incubator	Period of Incubation Received (in Years)	Startup with Corporate Identification Number (CIN) Registration	Corporate Identification Number (CIN) No.	Current Startup Status	Startup Grown to an annual turnover of Rs. 50 Lakhs (or) 10 employees for a period of 2 years
2015-16	PENTAFOX TECHNOLOGIES	Student and Faculty	Sriram	Yes	KSR Innovation Technology park	1	Yes	U72900TN2016PTC104233	Receiving Incubation	Yes
2015-16	Greenlink Impex Dindigul	Alumni	Kirubakaran	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---
2015-16	Arvensys Biotech Pvt Ltd Kerala	Student and Faculty	Ibrahim Shafeel CKM	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---
2015-16	Great Stitch Boutique Bengaluru	Student	S Abitha roshan	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---
2015-16	Venbas Studios and Entertainment	Student	Ezhil durai	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---
2016-17	String Real Estate and Mushroom Exports	Alumni	Senthil raja	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---

Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

2017-18	ARAN TECNOVATION PVT LTD	Alumni	P Anand, Sankar, Kumar	Yes	KSR Innovation Technology park	1	Yes	33AARCA4606Q1Z7	Receiving Pre-Incubation	---
2017-18	Sakthi bionutric foods	Alumni	Sakthivel	Yes	KSR innovation technology park	1	No	---	Receiving Pre-Incubation	---
2017-18	Mani seri culture	Alumni	Manikandan	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---
2017-18	Pragathes agro	Student	PRAGATHESWARA N R	Yes	KSR Innovation Technology park	1	No	---	Receiving Pre-Incubation	---

Co-Incubation Partnership

Co-incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support

Financial Year	Type of Partnership	Partnership Institute Name	Type of Support Offered (Multiple Options can be Selected)	No. of Student Projects/ Ideas / Innovation / Startups Supported
2016-17	Incubation Services/Support Extended to Other Institute	Vibazone IIT Research Park Chennai	Pre-incubation	2
2017-18	Incubation Services/Support Extended to Other Institute	Vibazone IIT Research Park Chennai	Pre-incubation	1

Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

Academic Year	Title of Course	Subject Focus of Course	Type of Course	Mode of Delivery	Duration of Course / Subject (Minimum 30 Contact Hours)	Total Enrollment for the Course	Total Nos. Completed the Course
2015-16	Foundation Programme four	Innovation and Entrepreneurship Development	Short Term Certificate Course	Classroom	90	100	100
2015-16	Total Quality Management	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	45	58	56
2015-16	Principles of Management	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	45	58	57
2015-16	Entrepreneurship in Biotechnology	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Online	45	58	57
2016-17	Molecular Modeling and Drug Design	Design thinking	Credit Course (Compulsory)	Classroom	45	54	53
2016-17	Total Quality Management	Cognitive skill Development	Credit Course (Compulsory)	Classroom	45	54	52
2016-17	Principles of Management	Cognitive skill Development	Credit Course (Compulsory)	Classroom	45	54	51
2016-17	Entrepreneurship in Biotechnology	Innovation and Entrepreneurship Development	Short Term Certificate Course	Classroom	45	54	54
2016-17	Python Programming	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	39	39
2017-18	40MESE01 - WELDING PROCESSES	Cognitive skill Development	Credit Course (Compulsory)	Classroom	30	41	41
2017-18	40MESE02 - WELDING ENGINEERING	Cognitive skill Development	Credit Course (Compulsory)	Classroom	30	41	41

Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

2017-18	40MESEO1 - WELDING PROCESSES	Cognitive skill Development	Credit Course (Compulsory)	Classroom	30	41	41
2017-18	Python Programming	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	40	45	45
2017-18	Hadoop	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	40	42	42
2017-18	MongoDB	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	40	39	39
2017-18	Application of Human Sensorium to Analyse and Evaluate Food Samples	Cognitive skill Development	Credit Course (Elective)	Classroom	40	51	51
2017-18	Textile and Apparel Entrepreneurship	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	45	0	0
2017-18	IPR and Biosafety	IPR	Credit Course (Compulsory)	Online	45	58	56
2017-18	Computational Genomics	Design thinking	Credit Course (Elective)	Classroom	20	21	21
2017-18	Engineering Economics and Financial Accounting	Cognitive skill Development	Credit Course (Compulsory)	Classroom	45	51	51
2017-18	Total Quality Management	Cognitive skill Development	Credit Course (Compulsory)	Classroom	45	51	51
2017-18	Entrepreneurship in Biotechnology	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	45	51	51

Faculty with Entrepreneurial Experience

Regular Faculties Engaged in Teaching with Experience in Innovation Design, IPR, Business Modelling, Entrepreneurship Development, Start-up, etc.

Academic Year	Faculty Name	Department	Years of Experience in Start-up / Entrepreneurship	Area of Expertise (Multiple Options can be Selected)	Level of Involvements as	Is Faculty, a Founder/Director of any Start-up	Name of the Start-up (Multiple Startups can be mentioned with Comma)	Director Identification Number (DIN)
2015-16	Dr J Philip Robinson	1	Biotechnology	Start-up Operation	Mentor	No	---	---
2015-16	P Divya	1	Chemical engineering	Start-up Operation	Mentor	No	---	---
2015-16	Sivakumar	8	Civil Engineering	Entrepreneurship Development	Founder	No	---	---
2016-17	Sakthivel	6	Civil engineering	Entrepreneurship Development	Board Member	No	---	---
2016-17	Dr G Ayyappadasan	2	Agri engineering	Entrepreneurship Development	Mentor	No	---	---
2016-17	Dr P Pomurugan	2	Plant conservation	Entrepreneurship Development	Board Member	No	---	---
2017-18	Dr M Balasubramanian	1	Plant pathology division	Start-up Operation	Mentor	No	---	---
2017-18	K Yuvaraj	6	Civil engineering	Entrepreneurship Development	Board Member	No	---	---

Innovation in Governance

Best Innovative Solutions Developed In-house for Improving Governance of Your Institution

Financial Year	Categories	Title of the Innovation	Brief About Solutions / Approaches Developed and Deployed in Your Institute	Total Project Amount (in Rs.)	Revenue Generated (in Rs.)	Impact created (No. of Direct Beneficiaries/Users)
2015-16	Energy Conservation	Energy conservation using solar panel	Energy conservation is an important phenomena for continuous source of energy for lifetime. Our campus is a well fitted in the field of energy conservation. Two percent of total electricity used by a college is being produced by solar panel system. The solar plant installed in our campus and the maximum production was observed. This solar plant is constructed with 68 panels with polycrystalline cells. The power produced from the solar panel can be utilised for classrooms and computer labs. We use solar panels in our institution to reduce consumption of electricity from non-renewable sources. We have an automatic power switching set up to maintain the power supply throughout the campus. Air circuit breakers, sub switch boards are installed in every segment of all buildings to prevent the excessive power usage.	1000000.00	150000.00	20000
2017-18	Waste Management	Portable Solid waste management	There are two biogas plants available in our institution campus for the production of methane gas and electricity. It is used for cooking purposes in hostels. As a alternative to the fossil fuels and LPG, locally available renewable sources like Kitchen food wastes and agricultural wood based wastes are effectively used in biomass gasifier and steam boiler for the cooking. Charcoal production and Gasifier system is the one which is used to convert wood, agricultural and plantation wastes into an activated charcoal. The wood wastes collected from all over the campus will be bring to the gasifier system. In the gasifier system we are converting that wastes into an activated carbon charcoal. The activated Charcoal can be used for many innovative and ecological applications like biofertilizers, water filtration, dye absorption, effluent treatment, vermicompost.	500000.00	100000.00	1200

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