



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: DR T THIMMAIAH INSTITUTE OF TECHNOLOGY [ARI-C-1379]

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	IC Engines Seminar	Innovation	21-Feb-2015 to 21-Feb-2015 (1 Days)	Within Campus	55	0	55	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Carburetion	Innovation	21-Feb-2015 to 21-Feb-2015 (1 Days)	Within Campus	55	0	55	2000.00	0.00	2000.00
2015-16	Workshops / Training / Seminars / Conferences	Micro-processor	Innovation	15-Apr-2015 to 16-Apr-2015 (2 Days)	Within Campus	65	2	67	9000.00	0.00	9000.00
2015-16	Workshops / Training / Seminars / Conferences	IIT Bombay Android workshop	Innovation	18-Oct-2015 to 19-Oct-2015 (2 Days)	Within Campus	98	6	104	4960.00	0.00	4960.00
2015-16	Workshops / Training / Seminars / Conferences	Image Processing	Innovation	18-Feb-2016 to 19-Feb-2016 (2 Days)	Within Campus	150	0	150	10000.00	0.00	10000.00
2015-16	Workshops / Training / Seminars / Conferences	Fusion 360	Innovation	04-Apr-2016 to 05-Apr-2016 (2 Days)	Within Campus	60	0	60	2000.00	0.00	2000.00
2015-16	Workshops / Training / Seminars / Conferences	AUTOCADD	Innovation	11-Apr-2016 to 12-Apr-2016 (2 Days)	Within Campus	60	0	60	0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Vocational Training	Entrepreneurship/ Startup	05-Jul-2016 to 20-Jul-2016 (16 Days)	Within Campus	32	0	32	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Guest Lecture on Embedded System	Innovation	08-Jan-2016 to 08-Jan-2016 (1 Days)	Within Campus	150	0	150	1500.00	0.00	1500.00

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	Workshops / Training / Seminars / Conferences	Guest Lecture on Network Security	Innovation	08-Jan-2016 to 08-Jan-2016 (1 Days)	Within Campus	150	0	150	1500.00	0.00	1500.00
2016-17	Workshops / Training / Seminars / Conferences	Industrial Robotics GD and T	Innovation	06-Aug-2016 to 06-Aug-2016 (1 Days)	Within Campus	55	0	55	0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Welding	Innovation	13-Aug-2016 to 13-Aug-2016 (1 Days)	Within Campus	45	0	45	4000.00	0.00	4000.00
2016-17	Workshops / Training / Seminars / Conferences	Automotive Safety Talent Acquisition	Innovation	27-Aug-2016 to 27-Aug-2016 (1 Days)	Within Campus	45	0	45	2000.00	0.00	2000.00
2016-17	Workshops / Training / Seminars / Conferences	Seminar on Bigdata	Innovation	27-Aug-2016 to 27-Aug-2016 (1 Days)	Within Campus	80	0	80	49000.00	0.00	49000.00
2016-17	Awareness / Motivational Programs	Industrial visit to CDAC	Innovation	10-Sep-2016 to 10-Sep-2016 (1 Days)	Outside Campus	64	0	64	14500.00	0.00	14500.00
2016-17	Awareness / Motivational Programs	5S and Quality Concepts	Innovation	24-Sep-2016 to 24-Sep-2016 (1 Days)	Within Campus	50	0	50	4000.00	0.00	4000.00
2016-17	Awareness / Motivational Programs	Internet Awareness program	Innovation	17-Oct-2016 to 18-Oct-2016 (2 Days)	Within Campus	20	390	410	20000.00	0.00	20000.00
2016-17	Workshops / Training / Seminars / Conferences	Vocational Training Mining	Innovation	10-Jan-2017 to 24-Jan-2017 (15 Days)	Within Campus	43	0	43	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Cloud computing workshop	Innovation	08-Mar-2017 to 09-Mar-2017 (2 Days)	Within Campus	60	0	60	49950.00	0.00	49950.00
2017-18	Awareness / Motivational Programs	Computer Awareness for employees	Innovation	02-May-2017 to 11-May-2017 (10 Days)	Within Campus	3	60	63	40000.00	0.00	40000.00
2017-18	Workshops / Training / Seminars / Conferences	Automobile Simulation Seminar	Innovation	29-Sep-2017 to 29-Sep-2017 (1 Days)	Within Campus	58	0	58	4000.00	0.00	4000.00
2017-18	Other Related Programs	FEM Lecture	Innovation	13-Oct-2017 to 13-Oct-2017 (1 Days)	Within Campus	58	0	58	1000.00	0.00	1000.00
2017-18	Awareness / Motivational Programs	Internet Awareness program	Innovation	20-Dec-2017 to 20-Dec-2017 (1 Days)	Within Campus	15	360	375	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Vocational Training Mining	Entrepreneurship/ Startup	08-Jan-2018 to 22-Jan-2018 (15 Days)	Within Campus	50	0	50	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

2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	GOLD RUSH	Innovation	22-Feb-2018 to 24-Feb-2018 (3 Days)	Within Campus	580	50	630	120000.00	0.00	120000.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on IoT	Entrepreneurship/Startup	19-Mar-2018 to 21-Mar-2018 (3 Days)	Within Campus	183	8	191	171900.00	0.00	171900.00
2017-18	Workshops / Training / Seminars / Conferences	Robotics Workshop	Innovation	27-Mar-2018 to 27-Mar-2018 (1 Days)	Within Campus	60	0	60	1000.00	0.00	1000.00
2017-18	Awareness / Motivational Programs	Industrial Visit and Site Study	Entrepreneurship/Startup	27-Mar-2018 to 27-Mar-2018 (1 Days)	Outside Campus	50	0	50	5000.00	0.00	5000.00
2017-18	Workshops / Training / Seminars / Conferences	National conference ECE	Innovation	09-May-2018 to 10-May-2018 (2 Days)	Within Campus	120	20	140	48400.00	0.00	48400.00
2017-18	Awareness / Motivational Programs	Computer awareness for employees	Innovation	18-Jun-2018 to 29-Jun-2018 (12 Days)	Within Campus	15	60	75	40000.00	0.00	40000.00

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	Innovation	National conference by Seventh sense Research group	Seventh sense Research group	National	Student	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	National Programme on Technology enhanced Learning(IIT madras)	Indian Institute of Technology, Madras (IIT-M)	National	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Guest Lecture on cloud computing	AVIT, Chennai	National	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	National Conference by IJETT	IJETT	National	Both	2		0.00	0.00	0.00
2015-16	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Industrial visit	Center for development for Advance Computing	National	Both	79		17452.00	0.00	17452.00
2015-16	Awareness / Motivational Programs	Entrepreneurship/Startup	Windows 10 launch by Microsoft (Software)	Microsoft India	International	Both	5		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.

2015-16	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Tech Dumbchards	VIBGYOR	National	Both	6		0.00	0.00	0.00
2015-16	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Debate competition	Sri Bhagawan Mahaver Jain college	National	Student	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Workshop on Research areas in power system power electronics and high voltage engineering	MS Engineering College	National	Student	2		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Research Methodology FDP	VTU	National	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	CIM and Automation	VTU	National	Faculty	1		0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	Entrepreneurship/Startup	Teaching Learning Process	AICTE VTU	National	Faculty	2		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Modeling and Simulation Using MATLAB	VTU	National	Faculty	2		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	Microelectronics from fundamentals to devices	Indian Institute of Technology, Madras	International	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	National Conference on RMS	National Institute of Technology, Tirchy	National	Faculty	1		0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	ICSET 2015	VIT Vellore	International	Faculty	1	Best Paper Award	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	NBA	DSCE Bangalore	National	Faculty	1		0.00	0.00	0.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Technovision	VTU	National	Student	1		0.00	0.00	0.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Climate change Quiz-2016	VTU	National	Student	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	PV system	Vellore Institute of Technology (VIT)	International	Faculty	3		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	Grounding of electrical installations	ACHARYA INSTITUTE OF TECH	National	Faculty	2		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	Awareness / Motivational Programs	Entrepreneurship/S tartup	ELT at Ibesig	TATA Consultancy Services	International	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Solar PV systems-challenges and prospects	VIT UNIVERSITY, Vellore	International	Both	4		0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	IPR	Application Processing	AICTE	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	NC RAIMS	Govt. Science College, Bangalore	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Workshop on Fourier Series	SBMJC KGF	National	Faculty	1		0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Workshop on Innovative Design and Construction	Global Academy of Technology, Bangalore	National	Faculty	1		2000.00	0.00	2000.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Receptive insight of Transportation System for Smart Cities	Cambridge Institute of Technology	National	Faculty	1		500.00	0.00	500.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	Interpretation of Instrumental Methods	Sathyabama University, Chennai	International	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	National Conference	GSSSCE, Mysore	National	Both	5		0.00	0.00	0.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	National level inter college project competition PRATIRA 2017	VTU College	National	Both	4		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	PCB design	BMS COLLEGE OF Engineering	National	Both	4		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Entrepreneurship/S tartup	WORKSHOP STUDENT INDUCTION PROGRAMME	AICTE, SVCE-VTU	National	Faculty	1		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	MODEL Curricular discussion	MSRIT Bangalore	National	Faculty	1		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	SAGY under NSS	AICTE,DSCE,BANGALORE	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	FDP Nanocomposites	VTU	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	NPTEL Workshop	NPTEL	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.

2017-18	Workshops / Training / Seminars / Conferences	Innovation	Machine Learning Workshop	Cambridge Institute of Technology	National	Faculty	2		6000.00	0.00	6000.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	FEM and Stress Analysis FDP	VTU	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	Cisco Certification Program	Amruta Vishwapeeta University, Coimbatore	National	Faculty	2		80000.00	0.00	80000.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Lecture Program for Science Teachers and Student	SBMJC KGF	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	New Model Syllabus framing	Bangalore Institute of Technology	National	Faculty	1		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	AICTE Sponsored SIP Phase 1	SVCE and AICTE	National	Faculty	3		0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Innovation	AICTE Sponsored SIP Phase 2	JSSS and AICTE	National	Faculty	2		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/S tartup	MOSFETS to Beyond	Indian Institute of Technology, Madras	National	Faculty	1		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Workshop on NBA fundamentals	DSCE Bangalore	National	Faculty	3		0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Research Methodology	VTU RCC Bangalore	National	Faculty	1		6000.00	0.00	6000.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	Software Application Lab for Civil Engg	Rajarajeshwari college of Engg.	National	Faculty	1		1500.00	0.00	1500.00
2017-18	Workshops / Training / Seminars / Conferences	Innovation	NBA Workshop	DSCE	National	Faculty	10		10000.00	0.00	10000.00

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	NANO "Center for Design"	Incubation	2016	Academic Block, Second floor	Prof .Vijaya Bharathi M	2900	711172.00	0.00	711172.00
2016-17	Foundation for Material Testing & Incubation Center	Incubation	2016	Civil Labs, Main Campus	Prof. Maneela	1600	686991.00	159000.00	845991.00

Pre-Incubation and Incubation facilities exist in-campus

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

2017-18	Cisco Networking R&D Center	Incubation	2017	Academic Block, First floor	Prof. Syed Thouheed Ahmed S	6000	826000.00	0.00	826000.00
2017-18	Industrial Automation Center	Incubation	2017	Academic Block, 2nd floor	Prof. Ramya J	2800	115050.00	0.00	115050.00
2017-18	Power System R&D Center and Design Lab	Pre-Incubation	2018	EEE Labs Main Campus	Dr. Lakshmpathy NP	1300	500000.00	0.00	500000.00
2017-18	Dr TVV Grand Center for Innovation and Incubation	Pre-Incubation	2018	P001 ,Ground Floor President Block, Main Campus	Mr. Deelip	2000	800000.00	0.00	800000.00

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	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	Reducing downtime in network by using HSAP	Student	Bachelor	Successfully Completed	10000.00	0.00	0.00	10000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	A system denial of service attack detective based on multivariate coordination analysis	Student	Bachelor	Successfully Completed	10000.00	0.00	0.00	10000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Mining Engg. Student Incubation Project	Student	Bachelor	Successfully Completed	120000.00	0.00	0.00	120000.00	Technology Development/Pre Incubation Phase
2015-16	Non-Patented Innovative Technology to Start-up	Bio-Fuel Center- GoK (Phase 1)	Faculty		On Progress	0.00	300000.00	0.00	300000.00	Graduated Startup
2016-17	Non-Patented Innovative Technology to Start-up	Bio-Fuel Center- GoK (Phase 2)	Faculty		On Progress	0.00	300000.00	0.00	300000.00	Graduated Startup
2017-18	Idea to PoC / Prototype / Innovation	Ranking fraud detection for mobile apps using evidence	Student	Bachelor	Successfully Completed	10000.00	0.00	0.00	10000.00	Dormant Phase/Dropped
2017-18	Idea to PoC / Prototype / Innovation	IoT Based LPG Gas Leakage Detection and Emergency Response System Using AVR Microcontroller and GSM Module	Student	Bachelor	Successfully Completed	0.00	6000.00	0.00	6000.00	Startup under Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Bio-Fuel Center- GoK (Phase 3)	Faculty		On Progress	0.00	200000.00	0.00	200000.00	Startup under Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	PRISM Fine grained resource aware scheduling for Map reduce	Student	Bachelor	Successfully Completed	10000.00	0.00	0.00	10000.00	Technology Development/Pre Incubation Phase

Intellectual Properties Filed

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

Not Applicable!**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)

Not Applicable!**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	Government of Karnataka	1	865000.00	300000.00	Pre-Incubation & Incubation Activities in Campus, Seed Fund / Investment Support to Innovation/Startups	---
2015-16	Industry / CSR	GVIET	1	10000.00	10000.00	Seed Fund / Investment Support to Innovation/Startups	---
2015-16	Industry / CSR	GVIET	1	120000.00	120000.00	Pre-Incubation & Incubation Activities in Campus, Seed Fund / Investment Support to Innovation/Startups	---
2016-17	Industry / CSR	GVIET	1	10000.00	10000.00	Seed Fund / Investment Support to Innovation/Startups	---
2016-17	Government	Government of Karnataka	1	865000.00	300000.00	Pre-Incubation & Incubation Activities in Campus, Training and Capacity Development on Innovation/Startup, Seed Fund / Investment Support to Innovation/Startups	---
2017-18	Industry / CSR	GVIET	1	10000.00	10000.00	Seed Fund / Investment Support to Innovation/Startups	---
2017-18	Government	Government of Karnataka	1	865000.00	200000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation, Pre-Incubation & Incubation Activities in Campus, Training and Capacity Development on Innovation/Startup, Seed Fund / Investment Support to Innovation/Startups	---

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

Not Applicable!**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.)

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

2015-16	Bio-Fuel Center	Faculty	Receiving Incubation	0.00	0	2750.00	2750.00
2015-16	Bio-Fuel Center	Faculty	Receiving Incubation	0.00	0	4250.00	4250.00
2016-17	Foundation Material Testing Center	Staff	Receiving Incubation	159000.00	0	0.00	159000.00
2017-18	RAEST ECE	Faculty	Receiving Incubation	38500.00	0	0.00	38500.00
2017-18	IoT Center Forum	Faculty	Receiving Incubation	169900.00	0	2000.00	171900.00
2017-18	Bio-Fuel Center	Faculty	Receiving Incubation	0.00	0	5500.00	5500.00
2017-18	Mining Consultation Center	Faculty	Receiving Incubation	50000.00	0	0.00	50000.00

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, Bio-Design Centre, Other

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
NANO Center for Design	VLSI, Embedded systems, communication and signal processing	Prof. Vijaya Bharathi	bharathi@drtit.edu.in
Foundation for Material Testing and Incubation Center	Machine Learning, Bid Data Processing, Algorithms and Desing	Dr. Charan	charan@drtit.edu.in
Networking Lab CoE	CCNA, Cyber Security, IoT	Prof. Syed Thouheed Ahmed	syed@drtit.edu.in
Material Testing Lab	Foundation for Maternal testing	Prof. Maneela	maneela@drtit.edu.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
MHRD IIC	Innovation and Incubation	Dr. H G Shenoy	shenoy@drtit.edu.in
Power System R and D Center	Power Electronics, Design and innovation	Dr. Lakshmi pathi NL	hod.eee@drtit.edu.in
Grand Center for Innovation and Incubation	CADD, Software based structural design	Prof. Deepak R	dileep@drtit.edu.in

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

Yes

Type of Centre (Multiple options can be selected)

Incubation Centre

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
Bio Fuel Center	Bio fuel extraction, processing and research	Dr. H G Shenoy	shenoy@drtit.edu.in

Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renowned 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	Reducing downtime in Network using HSAP protocol	BEML	National	Dormant Phase/Dropped	5
2015-16	Research Award -2015	Vellore Institute of Technology	National	Dormant Phase/Dropped	1
2015-16	MODIFICATION OF BH100 DUMPER FRONT SUSPENSION	BEML	National	Startup under Incubation Phase	5
2015-16	MODELLING and ANALYSIS OF PORTAL STRUCTURE USED FOR ROPS TEST	BEML	National	Graduated Startup	5
2015-16	DESIGN AND MANUFACTURE OF SHAPING FIXTURE FOR RING GEAR COMPONENT BD65	BEML	National	Graduated Startup	5

Student Projects recognized at National / International Level

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

2015-16	Personal Accessing for Students Providing Mentoring and Feedback	Tata Consultancy Services	National	Graduated Startup	5
2016-17	Personal Accessing for Students Providing Mentoring and Feedback	TCS	National	Graduated Startup	5
2016-17	TIME MOTION STUDY AND LINE BALANCING FOR SCANIA P140 TRUCK	BEML	National	Graduated Startup	5
2017-18	ELIMINATION OF WORK LOOSENING AND SHEARING OF BOLTS ON 35 TONES DUMPER REAR AXLES	BEML	National	Startup under Incubation Phase	5

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
2017-18	BioFuel Center	Faculty	Dr H G Shenoy	Yes	BioFuel Center	3	No	---	Receiving Incubation	No

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
2017-18	Incubation Services/Support Received from Other Institute/Incubator	CISCO Networking Academy	Networking	50

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	C hash Framework	Cognitive skill Development	Credit Course (Elective)	Classroom	52	70	70
2015-16	Java and J2EE Programming	Cognitive skill Development	Credit Course (Compulsory)	Classroom	52	70	70
2015-16	Satellite Communication	Design thinking	Credit Course (Elective)	Classroom	50	47	47
2015-16	Image Processing	Design thinking	Credit Course (Elective)	Classroom	52	44	44
2015-16	DSP Algorithms and Architecture	Design thinking	Credit Course (Elective)	Classroom	52	44	44
2015-16	OOPS with C plus plus	Design thinking	Credit Course (Compulsory)	Classroom	52	28	26
2015-16	Renewable Energy sources	Design thinking	Credit Course (Elective)	Classroom	52	25	25
2015-16	Electrical and Electronic measurements	Design thinking	Credit Course (Elective)	Classroom	52	30	28
2015-16	Electrical power generation	Cognitive skill Development	Credit Course (Elective)	Classroom	52	30	27

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

2015-16	Advanced Surface Mining	Cognitive skill Development	Credit Course (Elective)	Classroom	50	52	52
2015-16	Operation Research	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	52	52	52
2015-16	Mine Transport System	Design thinking	Credit Course (Elective)	Classroom	52	52	52
2015-16	Mine Environment and Ecology	Design thinking	Credit Course (Elective)	Classroom	52	52	52
2015-16	Fuel Technology and Coal Preparation	Cognitive skill Development	Credit Course (Elective)	Classroom	52	67	67
2015-16	Management and Entrepreneurship	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	52	50	50
2016-17	C Hash Framework	Cognitive skill Development	Credit Course (Elective)	Classroom	52	71	71
2016-17	Java and J2EE Programming	Cognitive skill Development	Credit Course (Elective)	Classroom	52	71	71
2016-17	Satellite Communication	Design thinking	Credit Course (Elective)	Classroom	52	76	36
2016-17	Image Processing	Design thinking	Credit Course (Elective)	Online	52	47	47
2016-17	DSP Algorithms and Architecture	Design thinking	Credit Course (Elective)	Classroom	52	47	47
2016-17	Renewable Energy sources	Design thinking	Credit Course (Elective)	Classroom	52	27	27
2016-17	Energy auditing and DSM	Design thinking	Credit Course (Elective)	Classroom	52	27	27
2016-17	oops with C Plus Plus	Cognitive skill Development	Credit Course (Compulsory)	Classroom	52	27	17
2016-17	Electrical power generation	Design thinking	Credit Course (Elective)	Classroom	52	30	26
2016-17	Op Amp and LIC	Design thinking	Credit Course (Elective)	Classroom	52	27	27
2016-17	Advanced Surface Mining	Design thinking	Credit Course (Elective)	Classroom	52	54	54
2016-17	Operation Research	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	52	54	54
2016-17	Mine Transport System	Design thinking	Credit Course (Elective)	Classroom	52	54	54
2016-17	Mine Environment and Ecology	Design thinking	Credit Course (Elective)	Classroom	52	54	54
2016-17	Fuel Technology and Coal Preparation	Design thinking	Credit Course (Elective)	Classroom	52	42	42
2016-17	High voltage DC	Design thinking	Credit Course (Elective)	Classroom	52	27	27
2016-17	Traffic Engineering	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Operation Research	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	52	68	68
2017-18	Software Testing	Cognitive skill Development	Credit Course (Elective)	Classroom	52	68	68
2017-18	Python Programming	Cognitive skill Development	Credit Course (Elective)	Classroom	52	68	68
2017-18	CCNA I and II	Innovation and Entrepreneurship Development	Short Term Certificate Course	Classroom	50	10	8
2017-18	Operating Systems	Design thinking	Credit Course (Elective)	Classroom	52	47	47

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	Automotive Electronics	Design thinking	Credit Course (Elective)	Classroom	52	47	47
2017-18	Microelectronics	Design thinking	Credit Course (Elective)	Classroom	52	36	36
2017-18	Digital system Design using Verilog	Design thinking	Credit Course (Elective)	Classroom	52	36	36
2017-18	Network Security	Design thinking	Credit Course (Elective)	Classroom	52	80	80
2017-18	GSM	Design thinking	Credit Course (Elective)	Classroom	52	80	80
2017-18	Estimation and costing	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	52	19	19
2017-18	Renewable Energy sources	Design thinking	Credit Course (Elective)	Classroom	52	19	19
2017-18	High voltage DC	Design thinking	Credit Course (Elective)	Classroom	52	24	24
2017-18	Power system planning	Design thinking	Credit Course (Elective)	Classroom	52	24	24
2017-18	Electrical and Electronic measurements	Design thinking	Credit Course (Elective)	Classroom	52	18	13
2017-18	Renewable Energy sources	Design thinking	Credit Course (Elective)	Classroom	52	28	28
2017-18	Energy auditing and DSM	Design thinking	Credit Course (Elective)	Classroom	52	28	25
2017-18	oops with C Plus Plus	Cognitive skill Development	Credit Course (Elective)	Classroom	52	24	23
2017-18	Op Amp and LIC	Design thinking	Credit Course (Elective)	Classroom	52	29	18
2017-18	Highway Geometric Design	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Pavement Material and Construction	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Earthquakes resistance design of structures	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Environment Impact assessment	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Railway Harbors Tunneling and Airports	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Traffic Engineering	Design thinking	Credit Course (Elective)	Classroom	52	18	18
2017-18	Advanced Surface Mining	Design thinking	Credit Course (Elective)	Classroom	52	37	37
2017-18	Operation Research	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	52	37	37
2017-18	Mineral Economics	Design thinking	Credit Course (Elective)	Classroom	50	52	52
2017-18	Industrial Safety and Engineering	Design thinking	Credit Course (Elective)	Classroom	50	52	52
2017-18	Mine Disaster and Rescue	Design thinking	Credit Course (Compulsory)	Classroom	50	52	52
2017-18	Tunnel Engineering	Design thinking	Credit Course (Elective)	Classroom	50	52	52
2017-18	Management and Entrepreneurship	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	52	70	70

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)
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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)
2016-17	Creativity and Cognitive Skill Development of Students	TCS IT Employability Program	TCS in association with our institute has designed a CSR Employable and Job readiness program for pre-final and final year students since 2016-17. the program provide grounds for student training with respect to industry requirements by TCS professionals. The Program is successfully deployed since 2 years and 3rd batch is in progress	0.00	0.00	210
2017-18	Waste Management	Bio Fuel Center	Bio Fuel generation unit was inaugurated and approved in 2015 and active since 2015-16 academic year. the center collects seeds and bio-elements from campus garden and plantation. the center is under an incubation from Govt. of Karnataka and has successfully deployed with our institute transport (2 buses Tentatively) and incurred as a revenue model in advanced state of research	800000.00	12500.00	25

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