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

Institute Name: TKR College of Engineering & Technology [ARI-C-19714]

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

Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
TWO -DAY WORKSHOP ON QUANTITITY SURVEYING	IPR	Workshop	Institute Lead Activity	CIVIL ENGINEERING	21-01-2019 00:00:00	22-01-2019 00:00:00	2	Within Campus	238	22	153	11	424	Yes	62000
1-Day field visit to T-Hub	Innovation	Exposure Visit	Institute Lead Activity	CIVIL ENGINEERING	29-09-2018 00:00:00	29-09-2018 00:00:00	1	Outside Campus	109	5	0	0	114	Yes	2000
SHORT TERM CERTIFICATE COURSE(STCC) On Digital VLSI System Design using Verilog HDL	Entrepreneurship/Startup	Training	Institute Lead Activity	Centre for Development of Advanced Computing(C-DAC),Hyderabad	27-08-2018 00:00:00	04-10-2018 00:00:00	39	Within Campus	78	15	0	0	93	Yes	292050
PCB Design	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Matchwell Technology Solutions, Hyderabad	22-04-2019 00:00:00	23-04-2019 00:00:00	2	Within Campus	128	45	0	0	173	Yes	44800
TRADE MARKS APPLICATION	IPR	INNOVATION	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	01-04-2018 00:00:00	30-04-2018 00:00:00	30	Within Campus	0	2	0	0	2	Yes	12000
DEEP LEARNING MODEL FOR IMAGE FRAUD DETECTION	IPR	INNOVATION	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	06-05-2019 00:00:00	16-05-2019 00:00:00	11	Outside Campus	0	1	0	11	12	No	---

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

BIG DATAMINE SAFETY ANALYTICS	IPR, Innovation	CONFERENCE	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	20-01-2019 00:00:00	20-01-2019 00:00:00	1	Outside Campus	0	1	0	0	1	No	---
IMPROVED APPROACH TO EXTRACT KNOWLEDGE FROM UNSTRYUCTURED DATA USING APPLIED NATURAL LANGUAGE PROCESSING TECHNIQUES	IPR, Entrepreneurship/Startup, Innovation	CONFERENCE	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	28-12-2018 00:00:00	28-12-2018 00:00:00	1	Outside Campus	0	1	0	0	1	No	---
R AND PYTHON PROGRAMMING	IPR, Innovation	WORKSHOP	Student Lead Activity	COMPUTER SCIENCE AND ENGINEERING	25-02-2019 00:00:00	27-02-2019 00:00:00	3	Within Campus	240	0	0	0	240	Yes	47000
ETHICAL HACKING	IPR, Entrepreneurship/Startup, Innovation	WORKSHOP	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	17-08-2018 00:00:00	19-08-2018 00:00:00	3	Within Campus	200	0	0	0	200	Yes	28000
ARTIFICIAL INTELLIGENCE	Innovation	WORKSHOP	Institute Lead Activity	COMPUTER SCIENCE AND ENGINEERING	19-01-2019 00:00:00	21-01-2019 00:00:00	3	Within Campus	220	0	0	0	220	Yes	26000
ORACLE TRAINING PROGRAM BY TASK	IPR, Entrepreneurship/Startup	SKILL DEVELOPMENT	Institute Lead Activity	TKR COLLEGE OF ENGINEERING AND TECHNOLOGY	11-03-2019 00:00:00	14-03-2019 00:00:00	4	Within Campus	4	0	0	0	4	Yes	500
CYBERCRIME PREDICTION SYSTEM	Entrepreneurship/Startup, Innovation	WORKSHOP	Institute Lead Activity	TEEGALA KRISHNA REDDY ENGINEERING COLLEGE	17-11-2018 00:00:00	19-11-2018 00:00:00	3	Outside Campus	1	0	0	0	1	No	---
DATA SCIENCE	IPR, Entrepreneurship/Startup, Innovation	WORKSHOP	Institute Lead Activity	MANAC INFOTECH	24-11-2018 00:00:00	24-11-2018 00:00:00	1	Outside Campus	1	0	0	0	1	Yes	500
MACHINE AND DEEP LEARNING WITH PYTHON	Entrepreneurship/Startup, Innovation	WORKSHOP	Institute Lead Activity	ACE ENGINEERING COLLEGE	17-12-2018 00:00:00	21-12-2018 00:00:00	5	Outside Campus	1	0	0	0	1	Yes	500
MACHINE LEARNING USING PYTHON	IPR, Innovation	WORKSHOP	Institute Lead Activity	NIT WARANGAL	29-11-2018 00:00:00	05-12-2018 00:00:00	7	Outside Campus	0	1	0	0	1	Yes	1500

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

Taguchi method	Innovation	workshop	Institute Lead Activity	Department of Mechanical Engineering	05-09-2018 00:00:00	06-09-2018 00:00:00	2	Within Campus	0	33	0	0	33	No	---
Machine Tools	Entrepreneurship/Startup	exposure visit	Institute Lead Activity	Department of Mechanical Engineering	01-02-2019 00:00:00	01-02-2019 00:00:00	1	Outside Campus	0	8	0	0	8	No	---

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

Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/received fund towards sending delegation to participate/represent the program/activity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
Geopolymer Camp	Innovation	Conference and Workshop	Institute Geopolymere, France	Educational Institute	09-07-2018 00:00:00	11-07-2018 00:00:00	3	0	1	1	Yes	Recognition	Recognition	No	---
Understanding Concrete	IPR	Training Program	Stedrant Technoclinic Pvt.Ltd.	Corporate / Industry Association	15-07-2018 00:00:00	15-07-2018 00:00:00	1	0	5	5	Yes	Recognition	PARTICIPATION CERTIFICATE	No	---
Sustainable Aspects of Geotechnical and Transportation Engineering	IPR	Workshop	Mahindra Ecole Centrale College of Engineering, Hyderabad	Educational Institute	21-09-2018 00:00:00	21-09-2018 00:00:00	1	0	1	1	Yes	Recognition	Sustainable Aspects of Geotechnical and Transportation Engineering	No	---
National Workshop on Civil Engineering in Practice	Entrepreneurship/Startup	Workshop	SVS Group of Institutions, Warangal	Educational Institute	28-09-2018 00:00:00	29-09-2018 00:00:00	2	0	1	1	Yes	Recognition	National Work shop on Civil Engineering in Practice	No	---
Clean Technologies and Sustainable Development in Civil Engineering	Innovation	1 Week CEP	National Institute of Technology, Warangal	Educational Institute	24-12-2018 00:00:00	28-12-2018 00:00:00	5	0	1	1	Yes	Recognition	PARTICIPATION CERTIFICATE	No	---
Comparative Study on Mechanical Properties of RAC and NAC	IPR	National Conference	TKR Engineering College, Hyderabad	Educational Institute	22-01-2019 00:00:00	22-01-2019 00:00:00	1	0	1	1	No	---	---	No	---
Engineering Research Methodology	Innovation	Short Term Couse	Osmania University, Hyderabad	Educational Institute	06-05-2019 00:00:00	10-05-2019 00:00:00	5	0	1	1	Yes	Recognition	Engineering Research Methodology	No	---

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

Challenges in Foundation Construction	Entrepreneurship/Startup	Workshop	National Academy of Construction - Hyderabad	Educational Institute	20-07-2019 00:00:00	20-07-2019 00:00:00	1	0	6	6	Yes	Recognition	Deep Foundations Institute of Inda and National Acadami of Construction ,Hyderabad	No	---
TRADE MARKS APPLICATION	IPR	INNOVATION CONTEST	TKRCET	Educational Institute	01-04-2018 00:00:00	02-04-2018 00:00:00	2	0	2	2	Yes	Recognition	TRADE MARKS APPLICATION	No	---
DEEP LEARNING MODEL FOR IMAGE FRAUD DETECTION	IPR	CONFERENCE	Dr.MCR HRD Institute,Hyderabad	Educational Institute	20-01-2019 00:00:00	20-01-2019 00:00:00	1	0	1	1	Yes	Recognition	PARTICIPATION CERTIFICATE	Yes	1000
BIG DATA MINING SAFETY ANALYTICS	Innovation	CONFERENCE	JNTUH	Educational Institute	28-12-2018 00:00:00	28-12-2018 00:00:00	1	0	1	1	Yes	Recognition	Participation Certificate	Yes	500
CYBERCRIME PREDICTION SYSTEM	Innovation	WORKSHOP	TKREC	Educational Institute	17-11-2018 00:00:00	19-11-2018 00:00:00	3	0	1	1	Yes	Recognition	Participation Certificate	Yes	500
robotics and artificial intelligence	Innovation	training and skill development	NIT Warangal	Govt. Agency (Central)	24-06-2019 00:00:00	28-06-2019 00:00:00	5	0	4	4	No	---	---	No	---
Composite materials	Innovation	skill development	Vignian Institute of Technology and sciences	Educational Institute	01-07-2019 00:00:00	06-07-2019 00:00:00	6	0	6	6	No	---	---	No	---
Recent Trends in Optimization studies for engineering Applications	Innovation	Workshop	JNTUH	Educational Institute	13-08-2018 00:00:00	14-08-2018 00:00:00	2	11	0	11	No	---	---	No	---

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

No Data Flled!

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

Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge	Carpet Area of Facility	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?

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

operations research and development and consultancy of TKRCET	Pre–Incubation Centre	2018	within campus			2508 Sq. Ft.			No
				Facility Incharge Name	DR D V RAVI SHANKAR		Yes		
				Facility Incharge Email	principal @tkrcet.ac.in		Annual Capital Expenditure (In Rupees)	100000	
				Facility Incharge Phone	9666573666		Annual Operational Expenditure (In Rupees)	80000	

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

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
operations research and development and consultancy of TKRCET	Institute's Own Fund / Resource	---	---	Yes	80000
operations research and development and consultancy of TKRCET	Funding Agency	JNTUH	Educational Institute	Yes	265000
operations research and development and consultancy of TKRCET	Funding Agency	GOOGLE	Corporate / Industry Association	Yes	2000000

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

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?
Development of polution free electric vehicle for campus multiutility purpose	operations research and development and consultancy of TKRCET	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2018	IP / Patented Technology — Applied for Patent: No; Patent Application No: ; Year of Patent Application:	Still Under Development Process	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Yes — Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees): 0	No	No

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

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?

Principal Innovator

Name		Type		Gender		Email		Contact	
G. Sai Krishna Prasad		Faculty		Male		saikrishnaprasad35@gmail.com		9291519604	

No	DEEP LEARNING MODEL FOR IMAGE FRAUD DETECTION	operations research and development and consultancy of TKRCET	TRL 2 : Technology formulation. Concept and application have been formulated.	Faculty	2019	**IP / Patented Technology** — Applied for Patent: Yes; Patent Application No: 2019 4103 2618 A; Year of Patent Application: 2019	Completed and Ready for Commercialization/Incubati	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Yes — Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees): 0	No

Principal Innovator

Name		Type		Gender		Email		Contact	
MASTHAN RAO		Faculty		Male		MASTHAN.RAO@GMAIL.COM		9959110038	

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

No Data FIled!

Co-Incubation Partnership

Type of Partnership	Partnership Institute Name	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups Supported	Date of MOU / Agreement Signed on
Incubation Services/Support Received from Other Institute/Incubator	ELECTRONIC CORPORATION OF INDIA LIMITED AND ARWIN VARSITY	Pre-incubation,Mentoring,Networking	0	04-10-2018

Technology Commercialization / Transfer

No Data FIled!

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