



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Teegala Krishna Reddy Engineering College [ARI-C-27173]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector / focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Information Technology	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	170	13	2
Department of Civil Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	421	26	3
Department of Electrical and Electronics Engineering	Academic Department with lab facility	ENGINEERING	UG / PG / PhD	Technical	390	24	10
Department of Electronics and Communication Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	773	43	3
Department of Computer Science and Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	589	44	5
TKREC INCUBATION CENTRE	Pre-incubation unit	multi disciplinary	UG / PG / PhD	Technical	773	43	3
Master Of Business Administration	Academic Department with lab facility	MANAGEMENT SCIENCE	UG / PG / PhD	Both	68	8	1

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201912959
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

					Body Name												
1	Concrete Mix Design and Repair & Rehabilitation of structures	IPR	Workshop	Institute Lead Activity	Department of Civil Engg,TK REC	26-09-2019 00:00:00	28-09-2019 00:00:00	3	Within Campus	250	24	15	8	297	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4550	No
2	Recent Advanced Materials For Sustainable Development In Construction	IPR	Workshop	Institute Lead Activity	Department of Civil Engg, TKREC	24-02-2020 00:00:00	28-02-2020 00:00:00	5	Within Campus	245	24	16	7	292	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5465	No
3	Job prospects to Civil Engineers.	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	CIVIL	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	223	22	14	3	262	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5525	No
4	SDG's and Social Entrepreneurship	Entrepreneurship/Startup	Seminar	Institute Lead Activity	CIVIL	06-02-2020 00:00:00	06-02-2020 00:00:00	1	Within Campus	200	20	15	2	237	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5250	No
5	Management and career development skills	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	CIVIL	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Within Campus	300	20	15	4	339	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5320	No
6	Cadd & Revit Design Software For Civil Engineers	IPR	Awareness	Institute Lead Activity	Department of Civil Engg, TKREC	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Within Campus	275	22	13	2	312	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5680	No
7	Sustainability as a table stake for students	IPR	Skill development	Institute Lead Activity	Department of Civil Engg, TKREC	28-01-2020 00:00:00	28-01-2020 00:00:00	1	Within Campus	232	19	12	5	268	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4700	No

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

8	Basic block chain technology	Innovation	Awareness	Institute Lead Activity	TASK	16-04-2019 00:00:00	16-04-2019 00:00:00	1	Within Campus	0	2	0	0	2	No	No	
9	Internal Hackathon for SIH – AICTE-2020	Innovation	Hackathon	Student Lead Activity	CSE	08-01-2020 00:00:00	08-01-2020 00:00:00	1	Within Campus	16	0	0	0	16	No	No	
10	Workshop on vmware virtualization	Innovation	Training	Institute Lead Activity	CSE	10-01-2020 00:00:00	11-01-2020 00:00:00	2	Within Campus	90	0	0	0	90	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4200	No
11	Workshop on Learnathon on RPA	Innovation	Training	Institute Lead Activity	CSE	29-01-2020 00:00:00	30-01-2020 00:00:00	2	Within Campus	10	0	10	0	20	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4350	No
12	Artificial Intelligence, Machine Learning with Data Science	Innovation	Workshop	Institute Lead Activity	CSE	24-02-2020 00:00:00	25-02-2020 00:00:00	2	Within Campus	57	2	20	2	81	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4325	No
13	Data Selenium	Innovation	Training	Institute Lead Activity	CSE	22-01-2020 00:00:00	23-01-2020 00:00:00	2	Within Campus	10	4	12	12	38	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4330	No
14	GUEST LECTURE ON JAVA PROGRAMMIN	Innovation	Skill development	Institute Lead Activity	DEPARTMENT OF INFORMATION TECHNOLOGY, TKREC	08-02-2020 00:00:00	08-02-2020 00:00:00	1	Within Campus	50	1	0	0	51	No	No	
15	Effective Methods of Teaching for Eng. Faculty	Innovation	Awareness	Institute Lead Activity	DEPT. OF IT, TKREC	30-07-2019 00:00:00	30-07-2019 00:00:00	1	Within Campus	0	15	0	0	15	No	No	

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

Srno	Name of Program	Program Theme	Program Type	Organizing Agency	Organizing Agency	Program Start	Program End Date	Program Duration(i)	Participants	Participants	Total Number	Awards/R ecognitio	Award / Position /	Title of Innovatio	Had institute spent expenses either from own resource/	Did any of the participants received any awards/recognition
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Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Sl. No.	(Full Name)	Category	Workshop	/ Institute Name	Type	Date	From	To	n Days)	(Students)	(Faculty)	of Participa nts	ns/Achiev ements	Recogniti on Secured	n / Start-up Secured the Award / Recogniti on	received fund towards sending delegation to participate / represent the activity /event?		for startup / innovation ideas / research	
																Total	Total Expense Amount Incurred by Institute? (In Rupees)	Award / Position / Recognition Secured	participatio n certificate
1	C AND and C plus	Innovatio n	Worksho p	TEACHI NG LEARNIN G CENTRE ,IIT BOMBAY	Educatio nal Institute	29-02-20 20 00:00:00	29-02-20 20 00:00:00	1	0	1	1	1	Yes	participati on certificate	no	800	Award / Position / Recognition Secured	participatio n certificate	
2	HUMAN AND TECHNICAL CAPACITY CHALLENGES THROUGH DIGITAL SKILLS	Innovatio n	Training	INTERN ATIONAL TELECO MMUNIC ATION UNION	Educatio nal Institute	29-07-20 19 00:00:00	01-08-20 19 00:00:00	4	0	5	5	5	No	---	---	2500	No		
3	Esim,a First Course in the IOT Series for Teachers	Innovatio n	Worksho p	TEACHI NG LEARIN G CENTRE ICT,IIT BOMBAY	Educatio nal Institute	21-09-20 19 00:00:00	21-09-20 19 00:00:00	1	0	1	1	1	No	---	---	800	No		
4	Recent Trends in Renewable Energy Systems and Hybrid Electric Vehicles	Innovatio n	Worksho p	UNIVER SITY COLLEG E OF ENGINE ERING,O U,HYDE RABAD	Educatio nal Institute	16-11-20 19 00:00:00	16-11-20 19 00:00:00	1	0	1	1	1	No	---	---	No	No		
5	CSI Telangan a State Level Student Digital Conventi on FUSION 2020BC	Innovatio n	Exposure visit	MVSR,T ELANGA NA	Educatio nal Institute	12-02-20 20 00:00:00	13-02-20 20 00:00:00	2	21	0	21	21	No	---	---	3000	No		

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

6	SENSOR NETWORKS, INTERNET OF THINGS AND INTERNET OF EVERYTHING	Innovation	Seminar	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	Educational Institute	08-08-2019 00:00:00	10-08-2019 00:00:00	3	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	600	No						
7	INTRODUCTION TO DEEP LEARNING	Innovation	Workshop	MVSR	Educational Institute	25-09-2019 00:00:00	27-09-2019 00:00:00	3	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	600	No						
8	MACHINE LEARNING FOR HUMAN-ROBOT COLLABORATE AND ARTIFICIAL INTELLIGENCE AWARENESS	Innovation	Workshop	MRCET	Educational Institute	22-11-2019 00:00:00	23-11-2019 00:00:00	2	0	3	3	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	600	No						
9	EYANTRA	Innovation	Training	MATRUSRI ENGINEERING COLLEGE	Educational Institute	28-02-2020 00:00:00	29-02-2020 00:00:00	2	0	4	4	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	3200	No						
10	INTERNAL HACKATHON FOR SMART INDIA HACKATHON	Innovation	Hackathon	TKREC	Educational Institute	08-01-2020 00:00:00	08-01-2020 00:00:00	1	1	0	1	Yes	PARTICIPATED	SCIREW	No		<table border="1"> <tbody> <tr> <td>Award / Position / Recognition Secured</td> <td>PARTICIPATED</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>SCIREW</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </tbody> </table>	Award / Position / Recognition Secured	PARTICIPATED	Title of Innovation / Start-up Secured the Award / Recognition	SCIREW	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	PARTICIPATED																						
Title of Innovation / Start-up Secured the Award / Recognition	SCIREW																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
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1	Design of Reinforced Concrete Structure	IPR	Elective/Core Credit Course	Credit Course (Compulsory)	NPTEL	01-07-2019	31-10-2019	123	Online	1	300
2	MEDIA AND CONTINUING EDUCATION CENTRE DEPARTMENT	Innovation	Short term Course	Short Term Certificate Course	department of EEE TKR ENGINEERING COLLEGE	24-02-2020	28-02-2020	5	Online	181	35
3	CMOS digital VLSI design	Innovation	Short term Course	Short Term Certificate Course	npTEL swayam	16-01-2020	12-03-2020	57	Online	1	400
4	Principles of Modern CDMA OR MIMO OR OFDM wireless Communications	Innovation	Short term Course	Short Term Certificate Course	npTEL swayam	26-08-2019	18-10-2019	54	Online	2	400
5	Principles of Communication Systems-1	Innovation	Short term Course	Short Term Certificate Course	npTEL swayam	26-08-2019	18-10-2019	54	Online	2	400
6	Digital Image Processing	Innovation	Short term Course	Short Term Certificate Course	npTEL swayam	29-07-2019	18-10-2019	82	Online	1	240
7	Fundamentals of Artificial Intelligence	Innovation	Short term Course	Short Term Certificate Course	SWAYAM NPTEL	29-07-2019	18-10-2019	82	Online	1	160
8	Microwave Theory and Technic	Innovation	Short term Course	Short Term Certificate Course	NPTEL SWAYAM	29-07-2019	18-10-2019	82	Online	1	160
9	Problem sloving through programming in c	Innovation	Short term Course	Short Term Certificate Course	npTEL	18-11-2019	03-02-2020	78	Online	1	78
10	RECENT ADVANCES IN TRANSMISSION INSULATOR	Innovation	Short term Course	Short Term Certificate Course	EEE	27-01-2020	21-02-2020	26	Online	1	52
11	Machine learning ans its Applications	Innovation	Short term Course	Short Term Certificate Course	ANURAG GROUP OF INSTITUTIONS	18-11-2019	23-11-2019	6	Offline	2	48
12	ONLINE BANKING PORTAL	Innovation	Short term Course	Short Term Certificate Course	Knowledge Solutions India	06-07-2020	17-08-2020	43	Online	1	240

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Smo	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Outcome Based Education	Innovation	FDP in I&E / IPR	civil	01-07-2019	06-07-2019	6	Offline	60	42
2	Pedagogical Training	IPR	EDP in I&E / IPR	TKRCET	09-12-2019	13-12-2019	5	Offline	6	40
3	Internet of Things	Innovation	FDP in I&E / IPR	TKREC	02-01-2020	07-01-2020	6	Offline	60	36
4	NBA Accreditation for Quality Assurance	Innovation	FDP in I&E / IPR	TKREC	24-02-2020	28-02-2020	5	Online	181	30
5	Block chain technology-the Trust of Cyber Security	Innovation	FDP in I&E / IPR	E and ICT Academy NIT warangal at TKREC	03-02-2020	08-02-2020	6	Offline	60	48
6	Data science and its Research Confronts	Innovation	FDP in I&E / IPR	JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES	02-01-2020	13-01-2020	12	Offline	1	96

List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20			
1	Mr. Chandra Sreenivasulu	Teegala Krishna Reddy Engineering College	Associate Professor	No	No			
2	Mr. Shabbier Ahmed SD	Teegala Krishna Reddy Engineering College	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
3	Eswaraiah	TKREC	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
4	Mrs Waseem Sulthana	TKREC	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
5	Dr.Umar Faruq	TKREC	PROFESSOR	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
6	Dr.C.AnnaPalagan	ECE	PROFESSOR	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
7	Mr N. Aravind	ECE	ASSISTANT PROFESSOR	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
8	Mrs B. Rekha	ECE	ASSISTANT PROFESSOR	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
9	Mr.Renubabu	ECE	ASSISTANT PROFESSOR	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
10	Dr.D.VEMANACHARY	ECE	professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
11	Dr.P.PADMAJA	ECE	PROFESSOR	No	Yes			

	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
12	Dr.R.SHANKAR	ECE		PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
13	RAMU MOODU	IT		ASSOCIATE PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
14	Dr.J.PRAVEEN KUMAR	IT		ASSOCIATE PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
15	Dr.Ramu moodu	IT		ASSOCIATE PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
16	Dr.M.Dhasaratham	IT		ASSOCIATE PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
17	Dr.RAMU MOODU	IT		ASSOCIATE PROFESSOR		No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Engineers without Borders India	Innovation Club	2014	Work Stations	Pre-Incubation Unit	0	SaiKiran	saikirangaddam001@gmail.com	7382030446
2	Indian Concrete Institute	Innovation Club	2016	Work Stations	Pre-Incubation Unit	1	Md.Muneerughin khan	civilinfofor9@gmail.com	9618014673
3	Indian Green Building Council	Innovation Club	2019	Work Stations	Pre-Incubation Unit	2	U.Vedavyas	igbc@cii.in	9542881030
4	Industry interaction committee Institute	Innovation Club	2019	Work Stations	Pre-Incubation Unit	0	V.Srujithkumar	srujithkumar@tkrec.ac.in	9492196121
5	ASASTOCSE	Idea Club	2019	Work Stations	Pre-Incubation Unit	5	Mrs.P.Ashwini Reddy	Ashwinireddy90@gmail.com	8801443328
6	COMPUTER SOCIETY OF INDIA	Innovation Club	2017	Work Stations	Pre-Incubation Unit	0	Mrs.P.Ashwini Reddy	Ashwinireddy90@gmail.com	8801443328

List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	TKREC INCUBATION CENTRE	Startup Cell	2019	Co-working Space, Work Stations	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr.C.A NNA PALAGAN</td> </tr> <tr> <td>Facility Incharge Email</td> <td>annapalagan@tkrec.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9442708891</td> </tr> </table>	Facility Incharge Name	Dr.C.A NNA PALAGAN	Facility Incharge Email	annapalagan@tkrec.ac.in	Facility Incharge Phone	9442708891	6	Yes	No	Yes
Facility Incharge Name	Dr.C.A NNA PALAGAN																
Facility Incharge Email	annapalagan@tkrec.ac.in																
Facility Incharge Phone	9442708891																
Source of Grant / Fund			Agency Name			Agency Type			Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)								
Institute's Own Fund / Resource			tkrec			Educational Institute			300000								

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filled!

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.Umar Faruq	PROFESSOR	Idea/Innovation Development	10
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Olive Drones and Agricultural Technologies Pvt ltd		Within		U29100TG2019PTC130266

1	Electric and Solar Scooty	Product Innovation	Technological	TEEGALA KRISHNA REDDY ENGINEERING COLLEGE	Student-Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Completed	Agency Name ANALOG DEVICES COMPANY	Agency Type Govt. Agency (Central)	Award / Position / Recognition Secured RECOGNISED	No	Grant Amount in Rs 20000	No	Amount Received in Rs. 50000
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Name	Type	Gender	Email	Contact
S.Nagi Reddy	Faculty	Male	nagireddy.sakam@gmail.com	9490672659

Name	Type	Gender	Email	Contact
V.ROOPA REDDY	Faculty	Female	VENNUROOPA@GMAIL.COM	8247536971
Masthan valli	Student	Male	pmastanvalli894@gmail.com	9381722951
Gunreddy Manasa	Student	Female	pmastanvalli894@gmail.com	6303033679
Dr.S.K.Umar Faruk	Faculty	Male	ecehod.tkr@gmail.com	9885346463

2	Economic and Technological integration for tracking Nutrients Supply, Temperature Variations and Plant Diagnosis in Soilless Cultivation	Product Innovation	Technological	TKREC	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Dropped	No	No	Grant Amount in Rs 15000	No	No
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Name	Type	Gender	Email	Contact
Mrs.CH.Nishanthi	Faculty	Female	chnishanthi@gmail.com	9581611068

Name	Type	Gender	Email	Contact
Mrs.V.Roopaa Reddy	Faculty	Female	vennuroopa@gmail.com	8247536971

3	Olive Drones and Agricultural Technologies Pvt ltd	Product Innovation	Technological	TEEGALA KRISHNA REDDY ENGINEERING COLLEGE	Student	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name ICT ACADEMY	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured YES	Yes	Grant Amount in Rs 20000	No	Amount Received in Rs. 10000
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Name		Type			Gender		Email			Contact									
S.Santosh Kumar		Student			Male		santoshsagar052@gmail.com			7780661247									
Name		Type			Gender		Email			Contact									
S.NAGIREDDY		Faculty			Male		nagireddy.sakam@gmail.com			9490672659									
4	Implementation of Multi-Step Process for Accurate and Precise Brain Tumor Detection Using Image Processing Techniques Controlled by A Decision Matrix and Machine Learning Node	Product Innovation	Technological	Teegala Krishna Reddy Engineering College and Malla Reddy Engineering College	Faculty	TRL 5 : Large scale prototype tested in intended environment.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>JNTUH-TEQIP-III</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Recognised</td> </tr> </table>	Agency Name	JNTUH-TEQIP-III	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Recognised	Yes	No	No	No
	Agency Name	JNTUH-TEQIP-III																	
	Agency Type	Govt. Agency (Central)																	
	Award / Position / Recognition Secured	Recognised																	
Name		Type			Gender		Email			Contact									
Dr.K.Parimala Geetha,		Faculty			Female		geetham_1969@yahoo.co.in			9486507348									
Name		Type			Gender		Email			Contact									
Dr.C.Anna Palagan		Faculty			Male		annapalaganc7467@gmail.com			9442708891									
5	BUGCROWD	Process Innovation	Technological	TKREC INCUBATION CENTRE	Student	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Development Completed	No	Yes	No	No	<table border="1"> <tr> <td>Amount Received in Rs.</td> <td>450000</td> </tr> </table>	Amount Received in Rs.	450000				
	Amount Received in Rs.	450000																	
Name		Type			Gender		Email			Contact									
Ritish kumar Singh		Student			Male		ritishkumarsingh56@gmail.com			9398445429									

List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/V C during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	POLLUX INFRA PROJECTS PVT.LTD	Service Innovation	Non-Technological	3926	Student	Venture with Corporate Identification Number (CIN) Registration U45201TG2018PTC126032	2018-19	Graduated from the Incubation unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact			
T.Ramanjaneyulu		07713719		Student		Male		ram04420@gmail.com		8790503605			
T.Veerawami		07713907		Student		Male		veeraswami768@gmail.coM		9573317355			
2	TECH DEBUG TECHNOLOGIES Pvt. Ltd	Product Innovation	Technological	3926	Student	Venture with Corporate Identification Number (CIN) Registration U72502TG2020PTC141728	2019-20	Graduated from the Incubation unit	No	No	No	No	Yes
Name		DIN number		Type		Gender		Email		Contact			
B.Aravind		08793494		Student		Male		amtechdebug@gmail.com		9491560258			
B.Anitha		08793495		Student		Female		amtechdebug@gmail.com		9491560258			

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

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
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1	NIT WARANGAL	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	80	11-09-2019
2	PATH CREATORS	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation, Mentoring	100	24-06-2019
3	IIT, BOMBAY	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation	40	06-01-2020
4	National Academy of construction	Govt. Agency (Central)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	10	01-12-2020
5	bridge port0	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	10	02-03-2020
6	ASTUTE BUSSINESS SOLUTION	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	4	10-12-2019

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Tranferred to Industry/Startup/Society?									
1	QUALITY HEALTHCARE AND REDUCED HEALTHCARE SPENDINGACHIEVED THROUGH ARTIFICIAL INTELLIGENCE AND BIGDATA	IPRFiledPublished	201941031693	National	2019 - 08	Uploaded	Published	Yes									
									Department/Centre Name								
									ECE								
Dr. C. ANNA PALAGAN																	
2	DEEP LEARNING BASED RETINAL MICROVASCULAR MEASUREMENT OFEYE	IPRFiledPublished	201941040242	National	2019 - 10	Uploaded	Published	Yes									
									Department/Centre Name								
									ECE								
Dr. C. ANNA PALAGAN																	
3	OPTIMIZED TDMA BASED SCHEDULING TECHNIQUE FOR NETWORK CODING	IPRFiledPublished	201941054320	National	2020 - 01	Uploaded	Published	Yes									
									Department/Centre Name								
									ECE								
Dr.R.Shankar																	
4	DESIGN A LOW-COST GREEN POWER DIVINING FARMING USING IOT AND CLOUD	IPRFiledPublished	201941050317	National	2019 - 12	Uploaded	Published	Yes									
									Department/Centre Name								
									ECE								
Dr.R.Shankar																	

	Department/Centre Name							
	ECE							
	DR. SHANKAR R							
5	SELF RECHARGAEBLE DRON	IPRFiledPublished	201941048019	National	2019 - 12	Uploaded	Published	Yes
	Department/Centre Name							
	ECE							
	DR.srinivas reddy							
6	OPTIMIZATION AND SECURED DATA AGGREGATION IN WIRELESS SENSOR NETWORKS	IPRFiledPublished	201941031682	National	2019 - 08	Uploaded	Published	Yes
	Department/Centre Name							
	ECE							
7	COMPUTERIZED DEBATABLE REMOVAL OF ENCRYPTION KEYS USING AGGRESSIVE ANALYSIS	IPRFiledPublished	201941019140	National	2019 - 06	Uploaded	Published	No
	Department/Centre Name							
	CSE							
	Dr. N.VADIVELAN							
8	A DEEP LEARNING MODEL FOR STUDENT FUTURE PREDICTION	IPRFiledPublished	201941020783	National	2019 - 06	Uploaded	Published	No
	Department/Centre Name							
	CSE							
9	DEEP LEARNING METHOD BASED ENERGY CONSUMPTION FOR IOT RELIABILITY	IPRFiledPublished	201941038671	National	2019 - 10	Uploaded	Published	No
	Department/Centre Name							
	CSE							
10	GEOGRAPHIC AND OPPORTUNISTIC ROUTING FOR UNDERWATER SENSOR NETWORKS	IPRFiledPublished	201941020783	National	2019 - 04	Uploaded	Published	No
	Department/Centre Name							
	cse							

11	ELIMINATING LOOP HOLES IN CLASSICAL COMPUTING USING QUANTUM COMPUTING	IPRFiledPublished	201941017926	National	2019 - 05	Uploaded	Published	No
Department/Centre Name								
cse								
12	SMART FOOD STORAGE SYSTEM	IPRFiledPublished	201941013595A	National	2019 - 04	Uploaded	Filed	No
Department/Centre Name								
EEE,TKREC								
13	SYSTEM AND METHOD TO CONTROL TURN INDICATORS OF AUTOMOBILES	IPRFiledPublished	201941019210A	National	2019 - 05	Uploaded	Published	No
Department/Centre Name								
EEE,TKREC								
14	INTELLENT CONTROL SYSTEM FOR VEHICLE	IPRFiledPublished	201941020280A	National	2019 - 06	Uploaded	Published	No
Department/Centre Name								
EEE,TKREC								

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

Declaration

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

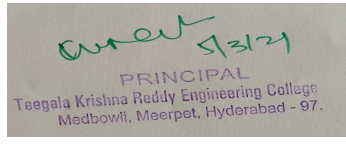
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. V.Murali Mohan (Head of Institute) and Mr. Dr.Padmaja.Pydimarri (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

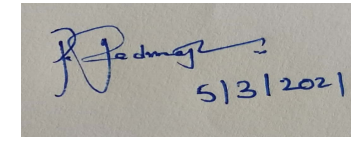
The Head of Institute



PRINCIPAL
Teegala Krishna Reddy Engineering College
Medbowli, Meerpet, Hyderabad - 97.

Dr. V.Murali Mohan
Head of the Institution,
Rangareddy, Telangana

Nodal officer



5/3/2021

Mr. Dr.Padmaja.Pydimarri
Nodal Officer,
Rangareddy, Telangana