



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

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Consolidated List of teachers having research projects during AY 2021-22

S. No.	Title	Principle Investigator	Amount	Agency
1	Quality of Signal Improvement in Prominent GNRFBT based Ternary Logic System for Futuristic Dielectric Inserted MLGFRs for Integrated Circuit Designs	Dr. Mekala Girish Kumar	13,46,400	DST-SERB
2	Smart Wearable for Rescuers And Victims	Dr.G.Gopala Krishna	8,00,000	MSME
3	Unmanned surface vehicle for defense and civilian application	Dr. D. V. Ravi Shankar	12,75,000	MSME
4	Development of Prediction model for heart attacks using diabetic retinopathy and Cortisol levels	Dr. A Suresh Rao, and Dr. M. Girish Kumar	23,96,000	TKRES
5	Design of Synchronous reluctance motor	Dr. Md Qutubuddin	15,00,000	TKRES
6	Development of Decentralized Artificial Wetland System for Domestic Wastewater Treatment	Dr. Prem Sudha Rangaswamy	37,62,000	TKRES
7	Design and Fabrication of Chassis for Electric Vehicle & Power Transmission System for Electric Vehicle	A.Kiran Kumar	1,60,000	TKRCET
8	Local Dynamic Neighbourhood Based Outlier Detection Approach and Its Framework for Large-Scale Datasets	Dr A Suresh Rao	61,000	TKRCET
9	Feature Selection for Intrusion Detection System in Internet-Of-Things	Dr Ch B N Lakshmi	45000	TKRCET
10	Recommendation Model in social media Based on Deep Emotion Analysis and Multi-Source View Fusion	Dr KSR Radhika	51000	TKRCET


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11	Cost Effective Energy Efficient and Secure Routing Protocol (CESR) For WBAN	Dr. B Veeramallu	51500	TKRCET
12	Error Minimization in Localization of Wireless Sensor Networks Using Fish Swarm Optimization Algorithm	Dr. B. Veeramallu	45000	TKRCET
13	Agricultural Aid for Tomato Harvesting (AAT)	Dr. M. Girish Kumar	67000	TKRCET
14	Better And Faster Emergency Care During Accident and Vehicle Impact	Dr. M. Mahesh	52,000	TKRCET
15	Energy-Efficient Mobile Data Collection Adopting Node Cooperation in An Underwater Acoustic Sensor Network	Dr. Vicky Nair	47000	TKRCET
16	Confidence Estimation for Attention-Based Sequence-To-Sequence Models for Speech Recognition	Dr.A. Pramod Reddy	59000	TKRCET
17	Design and Development of SrM motor	Dr. D. V.Ravi Shankar	77500	TKRCET
18	A Clustered Based Approach for Energy Efficient Routing in Wsns	Dr.M.Narendar	65000	TKRCET
19	Missing child identification using face recognition with CNN algorithm	J. Ramesh	61000	TKRCET
20	Peltier Thermo Electric Generator Based Standalone Micro Power Supply System	Mr S. Manohar Reddy	41,500	TKRCET
21	Smart Garbage Segregation and Management System Using IOT	Mr. Balakrishna	55,500	TKRCET
22	Recycled Aggregate Concrete	Mr. Mohammed Buhran	35,000	TKRCET
23	Automatic Traffic Light System by using IR Sensor	Mr. V. Sai Vikas	65,000	TKRCET
24	A Machine Learning Approach for Predicting Chronic Kidney Disease	Mrs. C.Jaya Lakshmi	45000	TKRCET
25	Obstacle Detection and Navigation for Blind using Smart Blind Stick	Ms. M. Chaitanya	56,500	TKRCET
26	Energy Efficient Teaching-Learning-Based Optimization for The Discrete Routing Problem in Wireless Sensor Networks	Dr.S.A.Kalaiselvan	48000	TKRCET


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Consolidated List of teachers having research projects during AY 2020-21

S. No.	Title	Principle Investigator	Amount	Agency
1	A Multipurpose Agricultural Robot for Automatic Ploughing Seeding and Pesticides Spraying	A. Kiran Kumar	55500	TKRCET
2	Design of IOT based Coal Mine Safety System using LORA	Ms. B. Manasa Reddy	48000	TKRCET
3	Temperature & Mask Scan Entry System with Sanitization for Covid Prevention	Dr. B. Swapna Rani	57500	TKRCET
4	Influence of milling process parameters and significance of tools to improve the surface quality of GFRP composites	D.Gopi Krishna	1,90,000	TKRCET
5	Development of website/app for building customer relationship management in regional language	Dr. Vicky nair	48000	TKRCET
6	Power Generation of Vertial Axis Wind Turbine	Dr.S. Nrasimha	57500	TKRCET
7	Fabrication and Mechanical performance of Aluminium(AA7075) Metal Matrix Composite with Multi welded carbon nanotube(MWCNT)	U.Nagamani	72500	TKRCET
8	Analysis on Medicines and Doctors availability in Government Hospital	M.Bala Krishna	51500	TKRCET
9	Crop Guidance and Farmers Friend(Succor)	M.Sushma	48500	TKRCET
10	A mobile based inventory management system using QR code application	Mr. Jeralad prashath George	48000	TKRCET
11	IOT based Smart Agriculture	Mr. M. Satyanarayana	48500	TKRCET
12	An Analysis of Contribution of Digital payments in Social and Demographic Economic Developments of India, using Machine Learning Techniques	Ms. G. Deepthi	58000	TKRCET
13	Partial replacement of fine aggregate with rubber tyre powder	Mr.B.SHIVA PRASAD	51500	TKRCET
14	Bamboo Reinforced Concrete: Experimental Investigation on Manga &	Mr.M.AKHIL	48500	TKRCET

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	Dagdi Bamboo	KUMAR		
15	Cyber Criminal and Suspect Profile Generator using OSINT Techniques	Ms. A.Sandhya rani	51500	TKRCET
16	Development of App to capture the field patrolling track of frontline staff in their forest beat jurisdiction	Ms. M. Vijaya kumari	48500	TKRCET
17	Women Safety Device with GPS Tracking and Alerts using Arduino	Mr. M. Sharath Chandra	57000	TKRCET
18	An Initiative for Developing and Harnessing Innovations	Dr. D. V. Ravi Shankar, Dr. K. Raju and Dr. B. Rajini Kanth	7500000	TKRES
19	Remote controlled aquaponic system using IoT and AI	Dr.R.Muruganatham	8,00,000	TKRES
20	An adaptive software Defined Network on chip (SD-NOC) for Varying Network Resources in offering Optimal service Quality	Dr. Suaknya	29,47,753	TKRES


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Consolidated List of teachers having research projects during AY 2019-20

S. No.	Title	Principle Investigator	Amount	Agency
1	Development of mobile Air Conditioner with ECO Friendly Refigeriment 134a	Dr. D.V. Ravi Shankar	3,00,000	JNTU TEQIP III
2	Minimalistic Approach to predict Cardiovascular Diseases using various Risk factors that go undiagnosed till advance stage	Dr. A. Suresh rao	2,60,000	JNTU TEQIP III
3	Automatic Diagnostic model for detection of malaria parasites from microscopic images	Dr. Sunil Srinivas	2,98,000	JNTU TEQIP III
4	Development Of Automatic Irrigation System to Measure the Trace Level Moisture Content in Soil	Dr. Amit Gangopadhyaya	41000	TKRCET
5	Three Level Security based Voting System using Raspberry Pi And ARM7	Dr. P. Gayathri	37500	TKRCET
6	Brain tumour diagnosis using convoluntional neural network	Dr.B. Sunil Srinivas	47000	TKRCET
7	Design And Fabrication of Biaxial Testing Machine	Dr.M.A.Mateen	58000	TKRCET
8	Monitoring and Implementation of a new Strategy for Battery Management System	Dr.M.D.Qutabuddin	42000	TKRCET
9	Suspicious Activity Detection	M.Balakrishna	38000	TKRCET
10	Machining of Composite Materials	Mohd. Ubed Ur Rahman	36000	TKRCET
11	Eye controlled mouse cursor for physically challenged people	Mr A Pradeep	43000	TKRCET
12	IOT based Solar Powered Automatic Garden Maintenance System	Mr. M. Gnanesh Goud	32000	TKRCET
13	Privacy Preserving, Updation and Block Level Data Deduplication in Cloud Storage Services	Mr. P.Chandra Shekar	41000	TKRCET
14	Multi Utility Equipment For Blind People using Raspberry Pi	Mr. Purender Reddy	38000	TKRCET
15	Telecom customer churn prediction	Ms M Pooja	37000	TKRCET

	modelling based on behavioural patterns analysis using machine learning			
16	American sign language translator for speech impaired into text and audio	Ms. Y. Latha	35000	TKRCET
17	Driver Drowsiness Detection System using ML	V. Ravi Kumar	38500	TKRCET



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Consolidated List of teachers having research projects during AY 2018-19

S. No.	Title	Principle Investigator	Amount	Agency
1	Design and fabrication of FRP Crash Box	B. Phani Kumar	42000	TKRCET
2	Brain Tumor Diagnosis using Machine Learning	C.Jaya Lakshmi	37500	TKRCET
3	RFID Based Toll Booth Automation	D.Kavitha	36500	TKRCET
4	Intelligent Reporting System for Monitoring and Resolution of Ground Level Community Issues	Dr A Suresh Rao	45000	TKRCET
5	Real Time Bus Monitoring and Passenger Information System	Dr. D. Nageswar Rao	46000	TKRCET
6	Anaerobic co digestion of water hyacinth and organic solid waste	Dr. Durai Arulneyam	42500	TKRCET
7	Non-Touching Tachometer Using Hall Effect Sensor	Dr. K. Raju	35000	TKRCET
8	Astudy on biofuel production from hostel food waste codigested with maize silage in TKR group of institutions	Dr. Premsudha	36000	TKRCET
9	Stress distribution along the cruciform geometry under pure in-plane biaxial loading condition	Dr.Md.Abdul Mateen	5,80,000	TKRCET
10	Multiple Motion Control System of Robotic Car based on IOT to Produce Cloud Service	M. Jhansi Rani	38000	TKRCET
11	Resource sharing mechanism between different tenants	Mr K Venugopal Reddy	35000	TKRCET
12	Smart Campus Project Design and Implementation on IOT Platform using Raspberry Pi by Python Approach	Ms. K. Padmaja Devi	45000	TKRCET
13	Cloud log security scheme for cloud forensics	Ms. P Laxmi	36000	TKRCET
14	IOT based Agriculture Robot for Cultivation Seeding	Ms. P. Kalyani	43500	TKRCET
15	Characterizing and predicting early-reviewers by sentiment analysis of textual reviews with machine learning approach	Ms. Reddy manasa	40000	TKRCET
16	Design and Fabrication of Extruder for Recycling Domestic Plastic Wastes	N. Surya	62000	TKRCET



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Consolidated List of teachers having research projects during AY 2017-18

S. No	Title	Supervisor	Amount	Agency
1	Performance Evaluation of Vapour Compression Refrigeration System by using R-134a and CARE30	B. Syed Shaheed	2,30,000	TKRCET
2	An Efficient Diet Plan using Artificial Intelligence Dietician	C.Jaya Lakshmi	31500	TKRCET
3	Study and performance of water quality in aquaculture through non-chemical water treatment method	Dr. K. NAVEENA LATHA	2,40,000	TKRCET
4	Design and Fabrication of Degassing Vacuum Chamber	Dr.D.V.Ravi Shankar	68200	TKRCET
5	An Efficient Approach for Enhancing Search Results using Correlation Method	Dr.K.Ramesh	47500	TKRCET
6	IOT based Health Monitoring System	Dr.P.Nalla Thai	31100	TKRCET
7	Partition- Based Frequent Item Set Mining Algorithms on Map Reduces	Dr.S.Somaraju	39500	TKRCET
8	Design & fabrication of vellomobile/Bike car	G.Sai Krishna Prasad	72500	TKRCET
9	Garbage Monitoring with Weight Sensing Using IOT	K.Naresh	48800	TKRCET
10	Aiding Deaf and Dumb People to Communicate Effectively using a Raspberry-pi Based System	M.Thanmayee	39500	TKRCET
11	Experimental study on Fly Ash Pellet concrete for mechanical properties	Mr. G. Durga Prasad	31500	TKRCET
12	Partial Replacement of Coconut shell as Coarse aggregate in the Concrete	Mr. S. SELVAKUMAR	29500	TKRCET
13	Effective Implementation of Youtube Data Analysis using Hadoop Distributed File System(HDFS)	Ms. A.Sandhya Rani	48000	TKRCET
14	Automation of Dry-Wet Dust Collection to Support Swachh Bharat Abhiyaan and Monitoring over IOT	Ms. J. Sunitha Kumari	39500	TKRCET
15	Smart E-Agriculture Monitoring using Internet of Things	Ms. K. Sukanya	47000	TKRCET

16	Time Decay Model Approach for Mining Closed Frequent Patterns Over Data streams.	P.Mahesh Kumar	32000	TKRCET
17	Virtual Banking System	Syed Salmaan Rashid	38500	TKRCET



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