TKR COLLEGE OF ENGINEERING & TECHNOLOGY

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH)

AN AUTONOMOUS INSTITUTION

Accredited by NBA and NAAC with 'A' Grade

Medbowli, Meerpet (V), Balapur (M) Ranga Reddy (D), Hyderabad, Telangana - 500097

Mobile: 9100377790, E-mail: info@tkrcet.ac.in, Website: www.tkrcet.ac.in

College Code: K9

Date: 20/01/2022

TKRCET/PRINCIPAL/R&D/157/2022

Sanction Letter

The following list of supervisors of all the departments are sanctioned the request amount based on their project proposals from seed grant:

S. No.	Title	Supervisor	Department	Amount
1	Recycled Aggregate Concrete	Mr. Mohammed Buhran	CIVIL	35,000
2	Automatic Traffic Light System by using IR Sensor	Mr. V. Sai Vikas	CIVIL	65,000
3	Peltier Thermo Electric Generator Based Standalone Micro Power Supply System	Mr S. Manohar Reddy	EEE	41,500
4	Design and Development of SrM motor	Dr.D.V.Ravi Shankar	MECHANICAL	77500
5	Design and Fabrication of Chassis for Electric Vehicle & Power Transmission System for Electric Vehicle	A.Kiran Kumar	MECHANICAL	1,60,000
6	Agricultural Aid for Tomato Harvesting (AAT)	Dr. M. Girish Kumar	ECE	67000
7	Obstacle Detection and Navigation for Blind using Smart Blind Stick	Ms. M. Chaitanya	ECE	56,500
8	Smart Garbage Segregation and Management System Using IOT	Mr. Balakrishna	ECE	55,500
9	Better And Faster Emergency Care During Accident and Vehicle Impact	Dr. M. Mahesh	ECE	52,000
10	Local Dynamic Neighbourhood Based Outlier Detection Approach and Its Framework for Large-Scale Datasets	Dr A Suresh Rao	CSE	61,000
11	Cost Effective Energy Efficient and Secure Routing Protocol (CESR) For WBAN	Dr. B Veeramallu	CSE	51500
12	Energy-Efficient Mobile Data Collection Adopting Node Cooperation in An Underwater Acoustic Sensor Network	Dr. Vicky Nair	CSE	47000
13	Confidence Estimation for Attention-Based Sequence-To-Sequence Models for Speech Recognition	Dr.A. Pramod Reddy	CSE	59000
14	Energy Efficient Teaching-Learning-Based Optimization for The Discrete Routing Problem in Wireless Sensor	Dr.S.A.Kalaiselvan	CSE	48000

	Networks			
15	Error Minimization in Localization of Wireless Sensor Networks Using Fish Swarm Optimization Algorithm	Dr. B. Veeramallu	CSE	45000
16	Recommendation Model in social media Based on Deep Emotion Analysis and Multi-Source View Fusion	Dr KSR Radhika	CSE	51000
17	Feature Selection for Intrusion Detection System in Internet-Of-Things	Dr Ch B N Lakshmi	CSE	45000
18	A Clustered Based Approach for Energy Efficient Routing in Wsns	Dr.M.Narendar	CSE	65000
19	A Machine Learning Approach for Predicting Chronic Kidney Disease	Mrs. C.Jaya Lakshmi	IT	45000
20	Missing child identification using face recognition with CNN algorithm	J. Ramesh	IT	61000

Members attended the meeting

S.No	Name	Designation	Signature
1	Dr.D.V.Ravi Shankar	Chairman	
2	Dr.A.SureshRao	Member	
3	Dr.D.NageshwarRao	Member	
4	Dr.N.Satyanarayana	Member	
5	Dr.G.Gopalakrishna	Member	
6	Dr.D.V.S.R Anil kumar	Member	
7	Mr.K.V.RSatyaSai	Member	
8	Dr.S.Narasimha	Member	
9	K.Mallikarjun	Member	
10	Dr.B.RajiniKanth	Convener	

Principal

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TKRCET/PRINCIPAL/R&D/48/2021

Date: 05/03/2021

Sanction Letter

The following list of supervisors of all the departments are sanctioned the request amount based on their project proposals from seed grant:

S.No	Title	Supervisor	Department	Amount
1	Bamboo Reinforced Concrete: Experimental Investigation on Manga & Dagdi Bamboo	Mr.M.AKHIL KUMAR	CIVIL	48500
2	Partial replacement of fine aggregate with rubber tyre powder	Mr.B.SHIVA PRASAD	CIVIL	51500
3	Power Generation of Vertial Axis Wind Turbine	Dr.S. Nrasimha	EEE	57500
4	A Multipurpose Agricultural Robot for Automatic Ploughing Seeding and Pesticides Spraying	A. Kiran Kumar	MECHANICAL	55500
5	Influence of milling process parameters and significance of tools to improve the surface quality of GFRP composites	D.Gopi Krishna	MECHANICAL	1,90,000
6	Fabrication and Mechanical performance of Aluminium(AA7075) Metal Matrix Composite with Multi welded carbon nanotube(MWCNT)	U.Nagamani	MECHANICAL	72500
7	Temperature & Mask Scan Entry System with Sanitization for Covid Prevention	Dr. B. Swapna Rani	ECE	57500
8	Women Safety Device with GPS Tracking and Alerts using Arduino	Mr. M. Sharath Chandra	ECE	57000
9	Design of IOT based Coal Mine Safety System using LORA	Ms. B. Manasa Reddy	ECE	48000
10	IOT based Smart Agriculture	Mr. M. Satyanarayana	ECE	48500

11	An Analysis of Contribution of Digital payments in Social and Demographic Economic Developments of India, using Machine Learning Techniques	Mr. Mustafeez ulhaque mohd	CSE	58000
12	A mobile based inventory management system using QR code application	Mr. Jeralad prashath George	CSE	48000
13	Development of website/app for building customer relationship management in regional language	Dr. Vicky nair	CSE	48000
14	Cyber Criminal and Suspect Profile Generator using OSINT Techniques	Ms. A.Sandhya rani	CSE	51500
15	Development of App to capture the field patrolling track of frontline staff in their forest beat jurisdiction	Ms. M. Vijaya kumari	CSE	48500
16	Analysis on Medicines and Doctors availability in Government Hospital	M.Bala Krishna	IT	51500
17	Crop Guidance and Farmers Friend(Succor)	M.Sushma	IT	48500

Members attended the meeting

S.No	Name	Designation	Signature
1	Dr.D.V.Ravi Shankar	Chairman	
2	Dr.A.SureshRao	Member	
3	Dr.D.NageshwarRao	Member	
4	Dr.N.Satyanarayana	Member	
5	Dr.G.Gopalakrishna	Member	
6	Dr.D.V.S.R Anil kumar	Member	
7	Mr.K.V.RSatyaSai	Member	
8	Dr.S.Narasimha	Member	
9	G.Mallikarjun	Member	
10	Dr.B.RajiniKanth	Convener	

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TKRCET/PRINCIPAL/R&D/52/2019

Date: 18/12/2019

Sanction Letter

The following list of supervisors of all the departments are sanctioned the request amount based on their project proposals from seed grant:

S.No	Title	Supervisor	Department	Amount
1	Monitoring and Implementation of a new Strategy for Battery Management System	Dr.M.D.Qutabuddin	EEE	42000
2	Design And Fabrication of Biaxial Testing Machine	Dr.M.A.Mateen	Mech	58000
3	Machining of Composite Materials	MohdUbed Ur Rahman	Mech	36000
4	Development Of Automatic Irrigation System to Measure the Trace Level Moisture Content in Soil	Dr. Amit Gangopadhyaya	ECE	41000
5	Multi Utility Equipment For Blind People using Raspberry Pi	Mr. Purender Reddy	ECE	38000
6	Three Level Security based Voting System using Raspberry Pi And ARM7	Dr. P. Gayathri	ECE	37500
7	IOT based Solar Powered Automatic Garden Maintenance System	Mr. M. Gnanesh Goud	ECE	32000
8	Privacy Preserving, Updation and Block Level Data Deduplication in Cloud Storage Services	Mr. P.ChandraShekar	CSE	41000
9	American sign language translator for speech impaired into text and audio	Ms. Y. Latha	CSE	35000
10	Eye controlled mouse cursor for physically challenged people	Mr A Pradeep	CSE	43000
11	Brain tumour diagnosis using convolutional neural network	Dr.B. Sunil Srinivas	CSE	47000
12	Telecom customer churn prediction modelling based on behavioural patterns	Ms M Pooja	CSE	37000

	analysis using machine learning			
13	Driver Drowsiness Detection System using ML	V. Ravi Kumar	IT	38500
14	Suspicious Activity Detection	M.Balakrishna	IT	38000

Members attended the meeting

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1	Dr.D.V.Ravi Shankar	Chairman	
2	Dr.A.SureshRao	Member	
3	Dr.D.NageshwarRao	Member	
4	Dr.N.Satyanarayana	Member	
5	Dr.G.Gopalakrishna	Member	
6	Dr.D.V.S.R Anil kumar	Member	
7	Mr.K.V.RSatyaSai	Member	
8	Dr.S.Narasimha	Member	
9	G.Mallikarjun	Member	
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TKRCET/PRINCIPAL/R&D/32/2019

Date: 03/01/2019

Sanction Letter

The following list of supervisors of all the departments are sanctioned the request amount based on their project proposals from seed grant:

S.No	Title	Supervisor	Department	Amount
1	Anaerobic co digestion of water hyacinth and organic solid waste	Dr. Durai Arulneyam	Civil	42500
2	Astudy on biofuel production from hostel food waste codigested with maize silage in TKR group of institutions	Dr. Premsudha	Civil	36000
3	Non-Touching Tachometer Using Hall Effect Sensor	Dr. K. Raju	EEE	35000
4	Design and fabrication of FRP Crash Box	B. Phani Kumar	Mech	42000
5	Design and Fabrication of Extruder for Recycling Domestic Plastic Wastes	N. Surya	Mech	62000
6	Stress distribution along the cruciform geometry under pure in-plane biaxial loading condition	Dr.Md.Abdul Mateen	Mech	5,80,000
7	Real Time Bus Monitoring and Passenger Information System	Dr. D. Nageswar Rao	ECE	46000
8	Multiple Motion Control System of Robotic Car based on IOT to Produce Cloud Service	M. Jhansi Rani	ECE	38000
9	Smart Campus Project Design and Implementation on IOT Platform using Raspberry Pi by Python Approach	Ms. K. Padmaja Devi	ECE	45000

10	IOT based Agriculture Robot for Cultivation Seeding	Ms. P. Kalyani	ECE	43500
11	Resource sharing mechanism between different tenants	Mr K Venugopal Reddy	CSE	35000
12	Cloud log security scheme for cloud forensics	Ms. P Laxmi	CSE	36000
13	Characterizing and predicting early-reviewers by sentiment analysis of textual reviews with machine learning approach	Ms. Reddy manasa	CSE	40000
14	Intelligent Reporting System for Monitoring and Resolution of Ground Level Community Issues	Dr A Suresh Rao	CSE	45000
15	Brain Tumor Diagnosis using Machine Learning	C.Jaya Lakshmi	IT	37500
16	RFID Based Toll Booth Automation	D.Kavitha	IT	36500

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TKRCET/PRINCIPAL/R&D/21/2017

Date: 18/12/2017

Sanction Letter

The following list of supervisors of all the departments are sanctioned the request amount based on their project proposals from seed grant:

S. No	Title	Supervisor	Department	Amount
1	Experimental study on Fly Ash Pellet concrete for mechanical properties	Mr. G. Durga Prasad	Civil	31500
2	Partial Replacement of Coconut shell as Coarse aggregate in the Concrete	Mr. S. SELVAKUMAR	Civil	29500
3	Design & fabrication of vellomobile/Bike car	G.Sai Krishna Prasad	Mech	72500
4	Design and Fabrication of Degassing Vaccum Chamber	Dr.D.V.Ravi Shankar	Mech	68200
5	Study and performance of water quality in aquaculture through non-chemical water treatment method	Dr. K. NAVEENA LATHA	Mech	2,40,000
4	Performance Evaluation of Vapour Compression Refrigeration System by using R-134a and CARE30	B. Syed Shaheed	Mech	2,30,000
6	IOT based Health Monitoring System	Dr.P.Nalla Thai	ECE	31100
7	Smart E-Agriculture Monitoring using Internet of Things	Ms. K. Sukanya	ECE	47000
8	Automation of Dry-Wet Dust Collection to Support Swachh Bharat Abhiyaan and Monitoring over IOT	Ms. J. Sunitha Kumari	ECE	39500
9	Virtual Banking System	Syed Salmaan Rashid	ECE	38500

10	Aiding Deaf and Dumb People to Communicate Effectively using a Raspberry-pi Based System	M.Thanmayee	CSE	39500
11	Partition- Based Frequent Item Set Mining Algorithms on Map Reduces	Dr.S.Somaraju	CSE	39500
12	Effective Implementation of Youtube Data Analysis using Hadoop Distributed File System(HDFS)	Ms. A.Sandhya Rani	CSE	48000
13	An Efficient Approach for Enhancing Search Results using Correlation Method	Dr.K.Ramesh	CSE	47500
14	Time Decay Model Approach for Mining Closed Frequent Patterns Over Data streams.	P.Mahesh Kumar	CSE	32000
15	An Efficient Diet Plan using Artificial Intelligence Dietician	C.Jaya Lakshmi	IT	31500
16	Garbage Monitoring with Weight Sensing Using IOT	K.Naresh	IT	48800

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