Consolidated List of Sanction Orders for AY 2021-22

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

S. No.	Sanction order no.	Title	Supervisor	Department	Amount
1	TKRCET/ Principal/ R&D/seed fund/2021/ 10	Design and Fabrication of Chassis for Electric Vehicle & Power Transmission System for Electric Vehicle	A.Kiran Kumar	MECHANICAL	1,60,000
2	TKRCET/ Principal/ R&D/seed fund/2021/ 11	Local Dynamic Neighbourhood Based Outlier Detection Approach and Its Framework for Large-Scale Datasets	Dr A Suresh Rao	CSE	61,000
3	TKRCET/ Principal/ R&D/seed fund/2021/ 12	Feature Selection for Intrusion Detection System in Internet-Of-Things	Dr Ch B N Lakshmi	CSE	45000
4	TKRCET/ Principal/ R&D/seed fund/2021/ 13	Recommendation Model in social media Based on Deep Emotion Analysis and Multi-Source View Fusion	Dr KSR Radhika	CSE	51000
5	TKRCET/ Principal/ R&D/seed fund/2021/ 14	Cost Effective Energy Efficient and Secure Routing Protocol (CESR) For WBAN	Dr. B Veeramallu	CSE	51500
6	TKRCET/ Principal/ R&D/seed fund/2021/ 15	Error Minimization in Localization of Wireless Sensor Networks Using Fish Swarm Optimization Algorithm	Dr. B. Veeramallu	CSE	45000
7	TKRCET/ Principal/ R&D/seed fund/2021/ 16	Agricultural Aid for Tomato Harvesting (AAT)	Dr. M. Girish Kumar	ECE	67000

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8	TKRCET/ Principal/ R&D/seed fund/2021/ 17	Better And Faster Emergency Care During Accident and Vehicle Impact	Dr. M. Mahesh	ECE	52,000
9	TKRCET/ Principal/ R&D/seed fund/2021/ 18	Energy-Efficient Mobile Data Collection Adopting Node Cooperation in An Underwater Acoustic Sensor Network	Dr. Vicky Nair	CSE	47000
10	TKRCET/ Principal/ R&D/seed fund/2021/ 19	Confidence Estimation for Attention-Based Sequence-To-Sequence Models for Speech Recognition	Dr.A. Pramod Reddy	CSE	59000
11	TKRCET/ Principal/ R&D/seed fund/2021/ 20	Design and Development of SrM motor	Dr. D. V.Ravi Shankar	Mech	77500
12	TKRCET/ Principal/ R&D/seed fund/2021/ 21	A Clustered Based Approach for Energy Efficient Routing in Wsns	Dr.M.Narendar	CSE	65000
13	TKRCET/ Principal/ R&D/seed fund/2021/ 22	Missing child identification using face recognition with CNN algorithm	J. Ramesh	IT	61000
14	TKRCET/ Principal/ R&D/seed fund/2021/ 23	Peltier Thermo Electric Generator Based Standalone Micro Power Supply System	Mr S. Manohar Reddy	EEE	41,500
15	TKRCET/ Principal/ R&D/seed fund/2021/ 24	Smart Garbage Segregation and Management System Using IOT	Mr. Balakrishna	ECE	55,500
16	TKRCET/ Principal/ R&D/seed fund/2021/ 25	Recycled Aggregate Concrete	Mr. Mohammed Buhran	Mech	35,000
17	TKRCET/ Principal/ R&D/seed fund/2021/ 26	Automatic Traffic Light System by using IR Sensor	Mr. V. Sai Vikas	Civil	65,000
18	TKRCET/ Principal/ R&D/seed	A Machine Learning Approach for Predicting Chronic	Mrs. C.Jaya Lakshmi	IT	45000

	fund/2021/ 27	Kidney Disease			
19	TKRCET/ Principal/ R&D/seed fund/2021/ 28	Obstacle Detection and Navigation for Blind using Smart Blind Stick	Ms. M. Chaitanya	ECE	56,500
20	TKRCET/ Principal/ R&D/seed fund/2021/ 29	Energy Efficient Teaching-Learning-Based Optimization for The Discrete Routing Problem in Wireless Sensor Networks	Dr.S.A.Kalaiselvan	CSE	48000

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Consolidated List of Sanction Orders for AY 2020-21

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	TKRCET/Principal/R&D/seedfund/2020/04	A Multipurpose Agricultural Robot for Automatic Ploughing Seeding and Pesticides Spraying	A. Kiran Kumar	MECHANICAL	55500
2	TKRCET/Principal/R&D/seedfund/2020/05	Design of IOT based Coal Mine Safety System using LORA	Ms. B. Manasa Reddy	ECE	48000
3	TKRCET/Principal/R&D/seedfund/2020/06	Temperature & Mask Scan Entry System with Sanitization for Covid Prevention	Dr. B. Swapna Rani	ECE	57500
4	TKRCET/Principal/R&D/seedfund/2020/07	Influence of milling process parameters and significance of tools to improve the surface quality of GFRP composites	D.Gopi Krishna	MECHANICAL	1,90,000
5	TKRCET/Principal/R&D/seedfund/2020/08	Development of website/app for building customer relationship management in regional language	Dr. Vicky nair	CSE	48000
6	TKRCET/Principal/R&D/seedfund/2020/09	Power Generation of Vertial Axis Wind Turbine	Dr.S. Nrasimha	EEE	57500
7	TKRCET/Principal/R&D/seedfund/2020/10	Fabrication and Mechanical performance of Aluminium(AA7075) Metal Matrix Composite with Multi welded carbon nanotube(MWCNT)	U.Nagamani	MECHANICAL	72500
8	TKRCET/Princip	Analysis on Medicines and Doctors availability in	M.Bala Krishna	IT	51500

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		Government Hospital			
	al/R&D/s eedfund/ 2020/11				
9	TKRCE T/Princip al/R&D/s eedfund/ 2020/12	Crop Guidance and Farmers Friend(Succor)	M.Sushma	IT	48500
10	TKRCE T/Princip al/R&D/s eedfund/ 2020/13	A mobile based inventory management system using QR code application	Mr. Jeralad prashath George	CSE	48000
11	TKRCE T/Princip al/R&D/s eedfund/ 2020/14	IOT based Smart Agriculture	Mr. M. Satyanarayana	ECE	48500
12	TKRCE T/Princip al/R&D/s eedfund/ 2020/15	An Analysis of Contribution of Digital payments in Social and Demographic Economic Developments of India, using Machine Learning Techniques	Ms. G. Deepthi	CSE	58000
13	TKRCE T/Princip al/R&D/s eedfund/ 2020/16	Partial replacement of fine aggregate with rubber tyre powder	Mr.B.SHIVA PRASAD	CIVIL	51500
14	TKRCE T/Princip al/R&D/s eedfund/ 2020/17	Bamboo Reinforced Concrete: Experimental Investigation on Manga & Dagdi Bamboo	Mr.M.AKHIL KUMAR	CIVIL	48500
15	TKRCE T/Princip al/R&D/s eedfund/ 2020/18	Cyber Criminal and Suspect Profile Generator using OSINT Techniques	Ms. A.Sandhya rani	CSE	51500
16	TKRCE T/Princip al/R&D/s eedfund/ 2020/19	Development of App to capture the field patrolling track of frontline staff in their forest beat jurisdiction	Ms. M. Vijaya kumari	CSE	48500
17	TKRCE T/Princip al/R&D/s eedfund/	Women Safety Device with GPS Tracking and Alerts using Arduino	Mr. M. Sharath Chandra	ECE	57000

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Consolidated List of Sanction Orders for AY 2019-20

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	TKRCET/Principal/R&D/seedfund/2019/12	Development Of Automatic Irrigation System to Measure the Trace Level Moisture Content in Soil	Dr. Amit Gangopadhyaya	ECE	41000
2	TKRCET/Principal/R&D/seedfund/2019/13	Three Level Security based Voting System using Raspberry Pi And ARM7	Dr. P. Gayathri	ECE	37500
3	TKRCET/Principal/R&D/seedfund/2019/14	Brain tumour diagnosis using convolutional neural network	Dr.B. Sunil Srinivas	CSE	47000
4	TKRCET/Principal/R&D/seedfund/2019/15	Design And Fabrication of Biaxial Testing Machine	Dr.M.A.Mateen	Mech	58000
5	TKRCET/Principal/R&D/seedfund/2019/16	Monitoring and Implementation of a new Strategy for Battery Management System	Dr.M.D.Qutabuddin	EEE	42000
6	TKRCET/Principal/R&D/seedfund/2019/17	Suspicious Activity Detection	M.Balakrishna	IT	38000
7	TKRCET/Principal/R&D/seedfund/2019/18	Machining of Composite Materials	Mohd. Ubed Ur Rahman	Mech	36000
8	TKRCET/Principal/R&D/seedfund/2019/19	Eye controlled mouse cursor for physically challenged people	Mr A Pradeep	CSE	43000
9	TKRCET/Principal/R&D/seedfund/2019/20	IOT based Solar Powered Automatic Garden Maintenance System	Mr. M. Gnanesh Goud	ECE	32000
10	TKRCET/Principal/R&D/seedfund/2019/21	Privacy Preserving, Updation and Block Level Data Deduplication in Cloud Storage Services	Mr. P.Chandra Shekar	CSE	41000
11	TKRCET/Principal/R&D/see	Multi Utility Equipment For Blind People using Raspberry	Mr. Purender Reddy	ECE	38000

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		Pi			
12	TKRCET/Principal/R&D/seedfund/2019/23	Telecom customer churn prediction modelling based on behavioural patterns analysis using machine learning	Ms M Pooja	CSE	37000
13	TKRCET/Principal/R&D/seedfund/2019/24	American sign language translator for speech impaired into text and audio	Ms. Y. Latha	CSE	35000
14	TKRCET/Principal/R&D/seedfund/2019/25	Driver Drowsiness Detection System using ML	V. Ravi Kumar	IT	38500

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Consolidated List of Sanction Orders for AY 2018-19

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	TKRCET/Principal/R&D/seedfund/2018/08	Design and fabrication of FRP Crash Box	B. Phani Kumar	Mech	42000
2	TKRCET/Principal/R&D/seedfund/2018/09	Brain Tumor Diagnosis using Machine Learning	C.Jaya Lakshmi	IT	37500
3	TKRCET/Principal/R&D/seedfund/2018/10	RFID Based Toll Booth Automation	D.Kavitha	IT	36500
4	TKRCET/Principal/R&D/seedfund/2018/11	Intelligent Reporting System for Monitoring and Resolution of Ground Level Community Issues	Dr A Suresh Rao	CSE	45000
5	TKRCET/Principal/R&D/seedfund/2018/12	Real Time Bus Monitoring and Passenger Information System	Dr. D. Nageswar Rao	ECE	46000
6	TKRCET/Principal/R&D/seedfund/2018/13	Anaerobic co digestion of water hyacinth and organic solid waste	Dr. Durai Arulneyam	Civil	42500
7	TKRCET/Principal/R&D/seedfund/2018/14	Non-Touching Tachometer Using Hall Effect Sensor	Dr. K. Raju	EEE	35000
8	TKRCET/Principal/R&D/seedfund/2018/15	Astudy on biofuel production from hostel food waste codigested with maize silage in TKR group of institutions	Dr. Premsudha	Civil	36000
9	TKRCET/Principal/R&D/seedfund/2018/16	Stress distribution along the cruciform geometry under pure in-plane biaxial loading condition	Dr.Md.Abdul Mateen	Mech	5,80,000
10	TKRCET/Principal/R&D/seedfund/2018/17	Multiple Motion Control System of Robotic Car based on IOT to Produce Cloud Service	M. Jhansi Rani	ECE	38000
11	TKRCET/Principal/R&D/seedfund/2018/18	Resource sharing mechanism between different tenants	Mr K Venugopal Reddy	CSE	35000

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12	TKRCET/Prin cipal/R&D/see dfund/2018/19	Smart Campus Project Design and Implementation on IOT Platform using Raspberry Pi by Python Approach	Ms. K. Padmaja Devi	ECE	45000
13	TKRCET/Prin cipal/R&D/see dfund/2018/20	Cloud log security scheme for cloud forensics	Ms. P Laxmi	CSE	36000
14	TKRCET/Prin cipal/R&D/see dfund/2018/21	IOT based Agriculture Robot for Cultivation Seeding	Ms. P. Kalyani	ECE	43500
15	TKRCET/Prin cipal/R&D/see dfund/2018/22	Characterizing and predicting early-reviewers by sentiment analysis of textual reviews with machine learning approach	Ms. Reddy manasa	CSE	40000
16	TKRCET/Prin cipal/R&D/see dfund/2018/23	Design and Fabrication of Extruder for Recycling Domestic Plastic Wastes	N. Surya	Mech	62000

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Consolidated List of Sanction Orders for AY 2017-18

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

S. No	Sanction order no.	Title	Supervisor	Department	Amount
1	TKRCET/Principal/R&D/seedfund/2017/11	Performance Evaluation of Vapour Compression Refrigeration System by using R-134a and CARE30	B. Syed Shaheed	Mech	2,30,000
2	TKRCET/Principal/R&D/seedfund/2017/12	An Efficient Diet Plan using Artificial Intelligence Dietician	C.Jaya Lakshmi	IT	31500
3	TKRCET/Principal/R&D/seedfund/2017/13	Study and performance of water quality in aquaculture through non-chemical water treatment method	Dr. K. NAVEENA LATHA	Mech	2,40,000
4	TKRCET/Principal/R&D/seedfund/2017/14	Design and Fabrication of Degassing Vaccum Chamber	Dr.D.V.Ravi Shankar	Mech	68200
5	TKRCET/Principal/R&D/seedfund/2017/15	An Efficient Approach for Enhancing Search Results using Correlation Method	Dr.K.Ramesh	CSE	47500
6	TKRCET/Principal/R&D/seedfund/2017/16	IOT based Health Monitoring System	Dr.P.Nalla Thai	ECE	31100
7	TKRCET/Principal/R&D/seedfund/2017/17	Partition- Based Frequent Item Set Mining Algorithms on Map Reduces	Dr.S.Somaraju	CSE	39500
8	TKRCET/Principal/R&D/seedfund/2017/18	Design & fabrication of vellomobile/Bike car	G.Sai Krishna Prasad	Mech	72500
9	TKRCET/Principal/R&D/seedfund/2017/19	Garbage Monitoring with Weight Sensing Using IOT	K.Naresh	IT	48800
10	TKRCET/Principal/R&D/seedfund/2017/20	Aiding Deaf and Dumb People to Communicate Effectively using a Raspberry-pi Based System	M.Thanmayee	CSE	39500

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11	TKRCET/Principal/R&D/seedfund/2017/21	Experimental study on Fly Ash Pellet concrete for mechanical properties	Mr. G. Durga Prasad	Civil	31500
12	TKRCET/Principal/R&D/seedfund/2017/22	Partial Replacement of Coconut shell as Coarse aggregate in the Concrete	Mr. S. SELVAKUMAR	Civil	29500
13	TKRCET/Principal/R&D/seedfund/2017/23	Effective Implementation of Youtube Data Analysis using Hadoop Distributed File System(HDFS)	Ms. A.Sandhya Rani	CSE	48000
14	TKRCET/Principal/R&D/seedfund/2017/24	Automation of Dry-Wet Dust Collection to Support Swachh Bharat Abhiyaan and Monitoring over IOT	Ms. J. Sunitha Kumari	ECE	39500
15	TKRCET/Principal/R&D/seedfund/2017/25	Smart E-Agriculture Monitoring using Internet of Things	Ms. K. Sukanya	ECE	47000
16	TKRCET/Principal/R&D/seedfund/2017/26	Time Decay Model Approach for Mining Closed Frequent Patterns Over Data streams.	P.Mahesh Kumar	CSE	32000
17	TKRCET/Principal/R&D/seedfund/2017/27	Virtual Banking System	Syed Salmaan Rashid	ECE	38500

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