



NAAC AQAR 2023-24

**Grants from Government and non-governmental agencies for research projects /
endowments in the institution during the year (INR in Lakhs)**

Name of the Project/ Endowments, Chairs
Design, Fabrication, and Analysis of Rescue & Safety Surveillance Unmanned Ground Vehicles
Design and Fabrication of Automated Hydro phonic farming system
Design and Fabrication of a hand-gesture-controlled wheelchair
Remotely controlled electric areca nut tree sprayer/ plucker
Smart Weighing system
Smart Energy metering system
Robotic Arm in an omnidirectional base
Density-based traffic light control system
Wheelchair automation
Black spot and blind spot detection in automobiles
Detection of fault in solar panel
AI Enhanced glasses for virtually impaired
Study of bituminous mix added with crushed waste glass as partial replacement of fine aggregate and areca nut fiber as stabilizing additive
Partial replacement of bitumen with sugarcane waste molasses and utilization of quarry dust in bituminous mix.
Synthetic leachate treatment using biochars

**APJ Abdul Kalam Technological University
Thiruvananthapuram**

Abstract

APJAKTU - Research section- Financial Assistance to Student Projects 2024-25 - Administrative Sanction accorded -Orders issued.

RESEARCH SECTION

U.O.No. 1700/2024/KTU

Thiruvananthapuram, Dated: 11.06.2024

- Read:-*1. Minutes of the 1st meeting of Engineering Research Council dated 27.01.2010.
2. Minutes of 2nd meeting of Executive Committee dated 21.10.2010.
3. Meeting of the 2nd Research Council dated 29.02.2017.
4. Proposals of Student Projects for Financial Assistance.
5. Screening Committee meeting held on April 2024 for evaluation of project proposals.

ORDER

Vide ref. read (1) above, Engineering Research Council had approved the scheme for Financial Assistance to Student Projects for the Government Engineering Colleges. Vide ref. read (2) above, it was decided to extend the financial assistance to the student projects to the government-aided and Government-Controlled Engineering College students.

Vide ref. read (3) above, It was decided to extend the financial assistance to Student Projects for all engineering colleges affiliated to the University with NBA accreditation. It was also decided that financial assistance would be provided as reimbursement of expenditure incurred for the sanctioned project.

The Screening Committee meetings held in April 2024 evaluated the project proposals forwarded from Engineering Colleges affiliated to the University and recommended financial assistance to selected proposals as per the List appended.

After due consideration, Administrative sanction is therefore accorded for financial assistance to the student projects for an amount of **₹53,90,774/- (Fifty-Three Lakh Ninety Thousand Seven Hundred and Seventy-Four only)** as detailed in the list attached below. The project shall be completed with the students who presented the project before the Screening Committee.

The expenditure should be as per the terms and conditions in Annexure II attached. The amount will be reimbursed only to the Principal of the Colleges concerned after successful completion of the project, on the production of certified bills & vouchers along with the audited utilization certificate, statement of expenditure and project completion report.

The expenditure shall be met from the Head of Account "CERD (Plan) 4181-6307-Innovative Student Project".

Orders are issued accordingly.

Sd/-



Dr. VINU THOMAS *
DEAN (Research)

Copy to:-

1. Principals of Engineering Colleges
2. Principal Investigators.

* This is a computer system (Digital File) generated letter. Hence there is no need for a physical signature.



BRANCH - BIOTECHNOLOGY								
Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
1	Prof. MEERA BAI S	Exploring Sustainable Bioenergy Production: Sargassum tenerrimum Pyrolysis for Bio-oil and Bio-char Synthesis"	SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR	45000	10000	25000	5000	5000
2	DR. ARCHANA RAJENDRAN	Synthesis and characterization of calcium phosphate based bio ceramics through a "waste-to-wealth" approach for biomedical applications	SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR	45000	10000	25000	5000	5000
3	Prof.BIJU JACOB	Development of starch film from Artocarpus heterophyllus seed and its property enhancement using microcrystalline cellulose derived from waste cotton fabrics	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	45000	10000	25000	5000	5000
4	Dr. ROHINI S	EFFICACY OF GINGEROL ENCAPSULATED CHITOSAN NANOPARTICLES AGAINST COLORECTAL CANCER CELL LINES	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	45000	10000	25000	5000	5000
5	Prof.BAJI KRISHNAN	FORMULATION AND EVALUATION OF MICRO NUTRIENTS AND BIOACTIVE COMPONENTS FORTIFIED NOVEL FUNCTIONAL SNACK BAR TO TACKLE MALNUTRITION IN CHILDREN	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	45000	10000	25000	5000	5000
6	Dr. ANI LAWRENCE	Evaluating the therapeutic potential of wine-derived compounds for health and well-being	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	40000	10000	20000	5000	5000
BRANCH - CIVIL ENGINEERING								
Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
1	Mrs. DIVYA S NAIR	Hybrid Fiber Reinforced Geopolymer Concrete: A Green Concept	COLLEGE OF ENGINEERING KIDANGOOR	19250	9750	6000	2000	1500



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
2	Mrs. DIVYA S NAIR	Geopolymer Paver Blocks - Using Rice Husk Ash : An Eco-friendly Construction Material	COLLEGE OF ENGINEERING KIDANGOOR	14850	6850	5000	1500	1500
3	M U SREELAKSHMI	STUDY OF COMPRESSIVE STRENGTH OF CONCRETE WITH RECYCLED PLASTIC WASTE	ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY	13600	10000	1600	1000	1000
4	Dr. VEENA V	Biochar in Remediation of Contaminated Soil	ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY (AISAT)- TECHNICAL CAMPUS	32750	8000	17250	2500	5000
5	Dr.BINDUMOL T.V	Optimizing the concrete paver block performance: A comprehensive approach	ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY (AISAT)- TECHNICAL CAMPUS	35000	10000	15000	5000	5000
6	Dr.NIMI ANN VINCENT	Investigating the effects of CSNL treatment on the durability and strength of natural fibres for enhanced subgrade performance	AMAL JYOTHI COLLEGE OF ENGINEERING	35000	10000	15000	5000	5000
7	HASEENA BEEGUM P	WATER QUALITY ASSESSMENT OF WETLANDS OF KUTTANAD USING WATER QUALITY INDEX AND MULTIVARIATE STATISTICAL METHODS	COLLEGE OF ENGINEERING AND MANAGEMENT, PUNNAPRA	48000	10000	28000	5000	5000
8	CHANDINI K K	Exploring the potential of banana peel powder and pith juice as natural coagulant in waste water treatment	COLLEGE OF ENGINEERING TRIKARIPUR	20000	5000	10000	4000	1000
9	SHYNI T.V	Partial replacement of natural aggregates with waste materials in pavement block production	COLLEGE OF ENGINEERING TRIKARIPUR	38000	8000	23000	3500	3500
10	PRIYANKA T	Utilization of GIS in disaster management	COLLEGE OF ENGINEERING TRIKARIPUR	2500	Nil	Nil	2500	Nil



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
11	Dr. YASHIDA NADIR	Effect of cleat material, cleat thickness and bolt diameter on moment rotation capacity of beam-to-column joint	COLLEGE OF ENGINEERING TRIVANDRUM	45000	10000	30000	Nil	5000
12	Dr. JAYASREE P K	Performance evaluation of geocell reinforced soil base infilled with crushed tile waste	COLLEGE OF ENGINEERING TRIVANDRUM	40000	10000	20000	5000	5000
13	Mrs. DEEPA R	DEVELOPMENT OF BIOCOMPOSITE ACOUSTIC PANELS USING BANANA FIBRES AND COCONUT FIBRES	COLLEGE OF ENGINEERING, PATHANAPURAM	50000	10000	30000	5000	5000
14	RINITHA P	MEASUREMENT OF SOIL CONTAMINATION REMOVAL EFFICIENCY AND ROOT MORPHOLOGY STUDY BY USING VETIER GRASS LEMON GRASS AND MISSION GRASS	COLLEGE OF ENGINEERING, THALASSERY	43900	8700	26500	4350	4350
15	Dr. DEEPU S P	SISAL FIBRE REINFORCED GEOPOLYMER CONCRETE CONTAINING MARBLE SLURRY AS FINE AGGREGATE	GOVERNMENT COLLEGE OF ENGINEERING KANNUR	50000	10000	30000	5000	5000
16	ANISHA A	Study on piping resistance of soil by adding coir fiber and poly propylene fiber	GOVERNMENT ENGINEERING COLLEGE SREEKRISHNAPURAM	45000	5000	30000	5000	5000
17	Dr.SHIBU A	Spatial mapping of ground water and its quality checking	GOVERNMENT ENGINEERING COLLEGE SREEKRISHNAPURAM	45000	10000	30000	2500	2500
18	Mr.DEEPAK B	Study on Rheological Properties and Durability Characteristics of Different Blended Cements	GOVERNMENT ENGINEERING COLLEGE THRISSUR	21745	3259	14486	2000	2000
19	Dr. BIJI CHINNAMMA THOMAS	Stabilization of Cochin Marine Soil Using Microbially Induced Calcite Precipitation (MICP) Technique	KMEA ENGINEERING COLLEGE	32000	7000	15000	5000	5000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
20	SRUTHI .M	Air Pollutant Removal Using Filtration Cum Adsorption Process	LBS INSTITUTE OF TECHNOLOGY FOR WOMEN, POOJAPPURA	23000	1700	13300	3000	5000
21	Dr. BALAGOPAL V	Optimizing pretreatment methods for enhanced product development in recycled aggregate concrete.	MAHAGURU INSTITUTE OF TECHNOLOGY	35000	10000	15000	5000	5000
22	Mr. AJAY V	Flood Management in Kuttanad	MAHAGURU INSTITUTE OF TECHNOLOGY	27500	10000	7500	5000	5000
23	Dr. SIMI M R	Assessing Environmental Impacts: Subsurface Runoff Variability Across Diverse Soil Types	MAHAGURU INSTITUTE OF TECHNOLOGY	35000	10000	15000	5000	5000
24	Dr. D. RAMESH KUMAR	STUDY ON STRENGTH, DURABILITY AND THERMAL PERFORMANCE OF A NOVEL LIGHTWEIGHT CONCRETE BLOCK MADE WITH CENOSPHERE, METAKAOLIN AND COAL BOTTOM ASH AGGREGATE.	MANGALAM COLLEGE OF ENGINEERING	34000	10000	16000	4000	4000
25	Dr. K. ARUNKUMAR	INVESTIGATION ON FEASIBILITY OF UTILIZING COFFEE-HUSK ASH AS AN ALKALINE ACTIVATOR IN GEOPOLYMER CONCRETE	MANGALAM COLLEGE OF ENGINEERING	34240	9690	14950	4800	4800
26	Dr. P SWAMINATHAN	HIGH-VOLUME FLY ASH CONCRETE MODIFIED WITH METAKAOLIN- A STUDY ON STRENGTH, DURABILITY, CORRELATION AND PREDICTIVE MODELLING	MANGALAM COLLEGE OF ENGINEERING	31450	9950	16500	2500	2500
27	Dr. ALPHA LUKOSE	Real Time Landslide Early Detection System For At-Risk Communities using Low-Cost Sensors Networks	MAR ATHANASIOUS COLLEGE OF ENGINEERING, KOTHAMANGALAM	25000	9000	11000	2500	2500
28	Dr. JAYA S PILLAI	Solar Still Desalination Systems for the Decentralized Treatment of Saline Water	MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY	35000	10000	15000	5000	5000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
29	Dr. JISHA S V	Behaviour and Performance of Concrete Column Reinforced with Glass Fiber Reinforced Polymer (GFRP) Bars	MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY	50000	10000	37000	Nil	3000
30	KARUNA P	DEVELOPMENT OF 3D PRINTABLE SUSTAINABLE GEOPOLYMER MIX WITH GLASS POWDER AS PARTIAL REPLACEMENT	MARIAN ENGINEERING COLLEGE	27140	7140	10000	5000	5000
31	RANI V	Spatial distribution and beach morphological studies with the application of geotextiles in coastal areas of trivandrum	MARIAN ENGINEERING COLLEGE	35000	10000	15000	5000	5000
32	Dr.JEEJA MENON	Earthen Construction using organic extract	MEA ENGINEERING COLLEGE, PERINTHALMANNA	23000	2000	16000	3000	2000
33	Mr.SUNITH JOHN DAVID	Application of Embedded Intelligence in Aquifer Monitoring	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	29800	8400	13000	4200	4200
34	SRUTHY T G	Stabilization of Sandy Soil using Cellulose Biopolymer Extracted from Colocasia esculenta.	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	27100	6600	15500	3000	2000
35	Dr. REJANI V U	Development of Walkability Indices and Estimation of Pedestrian Level of Service for Evaluating Urban Street Walking Environment	NSS COLLEGE OF ENGINEERING	50000	4000	37500	5000	3500
36	Dr. SURYA S S	Development of a Hybrid Electrocoagulation-Electrooxidation Process for Sustainable Wastewater Treatment	NSS COLLEGE OF ENGINEERING	50000	5000	39000	1000	5000
37	Dr. KEERTHY M SIMON	DEVELOPING A COST EFFECTIVE 3D CONCRETE PRINTER PROTOTYPE AND OPTIMIZING SUSTAINABLE CONCRETE FOR PRINTING	NSS COLLEGE OF ENGINEERING	50000	10000	37000	1000	2000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
38	Dr.LAKSHMI PRIYA	Geochemical distribution and risk assessment of heavy metals in urban water body	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY	26000	1000	23000	1000	1000
39	SHOBHA ELIZABETH THOMAS	Experimental investigation on effect of age of alkali activator on the characteristics of slag-fly ash-based alkali activated binder system	SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR	44820	6820	28000	5000	5000
40	ASISH PRASAD	COMPARATIVE STUDY OF NORMAL STEEL REINFORCED CORBEL AND GLASS FIBRE REINFORCED POLYMER BAR CORBEL	ST. THOMAS INSTITUTE FOR SCIENCE & TECHNOLOGY	17000	10000	Nil	5000	2000
41	Ms.AESHLYN JOSE	INSTALLATION,ESTIMATION AND COMPARATIVE ANALYSIS OF RAIN GAUGES AT TKMIT CAMPUS	TKM INSTITUTE OF TECHNOLOGY	17853	10000	2853	3000	2000
42	Mr.SANEESH K	Fabrication and analysis of pavement block using industrial plastic waste	VIMALJYOTHI ENGINEERING COLLEGE	26700	5700	15000	3000	3000
43	DEEPA RANI R	Recycle Right: Advancing Campus Waste Management through Innovative Waste Bin Design and Fabrication	COLLEGE OF ENGINEERING TRIVANDRUM	40000	10000	20000	5000	5000
44	Dr. GNANA SHEELA K	Intelligent Road Safety: Accurate Prediction of Road Accidents Using Artificial Neural Networks	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	24000	Nil	16000	4000	4000

BRANCH- COMPUTER SCIENCE AND ENGINEERING

Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
1	Dr. CERENE MARIAM ABRAHAM	Implementation of an AI-Powered Non Verbal Communication Coach	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	30000	6000	15000	4000	5000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
2	LAKSHMI G	Autonomous Wheeled Robot For Intelligent Supermarket Restocking	ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI	22000	2000	17500	1000	1500
3	Dr. ANITA BRIGIT MATHEW	MARKUP	VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY	44000	7000	32500	2500	2000
4	Dr.JESWIN ROY DCOUTH	Robust Intelligent Sensing ARM	ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY (AISAT)- TECHNICAL CAMPUS	15300	1600	13700	Nil	Nil
5	Prof. SUMIMOL L	An Intelligent Smart Bin For Waste Management	LBS INSTITUTE OF TECHNOLOGY FOR WOMEN, POOJAPPURA	15100	8000	3100	2000	2000
6	Prof.VAISHAKHI.V.K	Greenhouse Automation Using Machine to Machine Communication IOT Multinode Sensor Networking	ST.THOMAS COLLEGE OF ENGINEERING AND TECHNOLOGY, MATTANUR	20000	5000	11000	2000	2000
7	ASWATHY WILSON	Geo-DAM	JYOTHI ENGINEERING COLLEGE	50000	5000	40000	3000	2000
8	REEJA S.L	Classroom Attention Monitoring System	MARIAN ENGINEERING COLLEGE	25000	6000	15000	2000	2000
9	Prof. ATHIRA B	FireFighting Robot with Human Detection	MUSALIAR COLLEGE OF ENGINEERING AND TECHNOLOGY PATHANAMTHITTA	14231	Nil	14231	Nil	Nil
10	Ms. DIVYA SUNNY	TECHSOW-Integrated Soil and Plant Monitoring System	ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI	16671	Nil	14671	1000	1000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
11	Dr. SAIRA VARGHESE	Automatic Smart Fish Tank Cleaner	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	35850	7000	22850	3000	3000
12	Dr. SOUMYA T	Rover Reach Autonomous Paths, Obstacle Clearance, Remote Connect	COLLEGE OF ENGINEERING MUTTATHARA	20500	4100	12400	2000	2000
13	Dr. DEVI DEVAPAL	Gesture Connect	COLLEGE OF ENGINEERING MUTTATHARA	10350	Nil	8350	1000	1000
14	Dr. DEVI DEVAPAL	Smart Spectacles: Voice Assisted Spectacles For Visually Impaired	COLLEGE OF ENGINEERING MUTTATHARA	16338	Nil	13138	1600	1600
15	PRASANTH R	STELLA - The Healthcare Robot	COLLEGE OF ENGINEERING, PATHANAPURAM	46000	4000	38000	2000	2000
16	RANA SURENDRAN	Intelligent Vehicle Blackbox Using IoT	COLLEGE OF ENGINEERING, PATHANAPURAM	37000	2000	31000	2000	2000
17	PANKAJ KUMAR G	Efficient Image-to-Text Conversion for Railway and Disaster Management using LoRaWAN and Asus Prime X570	FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)	31000	10000	15000	3000	3000
18	Dr. RAFEEQUE P C	Platform for medical report generation from doctor-patient conversation and diseases detection through Artificial Intelligence	GOVERNMENT COLLEGE OF ENGINEERING KANNUR	26500	4000	17500	2000	3000
19	Dr. SUNIL K. S.	Rubbish Revolution: A Smart Solution for Effective Plastic Management and Collaborative User Engagement in Responsible Disposal	GOVERNMENT ENGINEERING COLLEGE IDUKKI	31700	6000	18000	4900	2800



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
20	DIVYA VISAKH	SmartRail Security System	JAWAHARLAL COLLEGE OF ENGINEERING AND TECHNOLOGY	18500	2500	11500	2000	2500
21	Dr.ANITHAKUMARI S	Fake and Stolen Number Plate Identification System	LBS INSTITUTE OF TECHNOLOGY FOR WOMEN, POOJAPPURA	40000	5000	30000	1000	4000
22	Dr. TESSY MATHEW	DhwaniApp - An AAC App	MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY	20000	4000	11000	2000	3000
23	JISHA JAMES	Snake Detecting System	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	20700	1200	16500	1000	2000
24	VIJESH K	Autonomous Mini Unmanned Ground Vehicle for Disaster Monitoring and Surveillance	NSS COLLEGE OF ENGINEERING	43000	6000	33000	1000	3000
25	Ms. SANGEETHA JAMAL	SkySentry : Unmanned Aerial system for fire detection and suppression in open environments	RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY	28150	2000	22150	2000	2000
26	NEETHU KRISHNA	Autonomous fixed wing delivery (Package deopping drone for medical aid)	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY	23000	1000	20000	Nil	2000
27	HARIPRIYA B S	AI Powered Smart Glasses for Visually Impaired	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	43000	2000	35000	3000	3000
28	REJIMOAN R	Robotic Surveillance System	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	50000	Nil	50000	Nil	Nil



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
29	SHINEY THOMAS	ParkinCare- Deep learning model to predict Parkinson disease	AMAL JYOTHI COLLEGE OF ENGINEERING	10000	Nil	8000	1000	1000
30	Dr.C.SAHAYA KINGSLY	Fire Extinguisher Using IOT	MANGALAM COLLEGE OF ENGINEERING	26000	4000	18000	2000	2000
31	Dr. S. PADMALAL	A Humanoid Robot for Visually Impaired People	MANGALAM COLLEGE OF ENGINEERING	25000	5000	15500	2000	2500
32	Mrs. KRISHNAVENI V V	Empowering Communication: Smart Glasses for Real-Time Speech Display for Deaf Individuals	COLLEGE OF ENGINEERING KIDANGOOR	15000	2000	10000	1500	1500
33	ANNIE CHACKO	SIEM VIRTUALIZATION	MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING & TECHNOLOGY	11800	2300	7500	1000	1000
34	BINU JOHN	Real-Time Blood Glucose Prediction using Edge Computing and Deep Learning in IoMT	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY	8900	Nil	8000	Nil	900

BRANCH - CHEMICAL ENGINEERING

Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
1	SUREJ RAJAN C	Development of flame retardant automotive spare parts from waste plastics	AMAL JYOTHI COLLEGE OF ENGINEERING	24000	4800	14400	2400	2400
2	Prof.(Dr.) DAVID K DANIEL	Process for Separation of Surfactant (Alpha Olefin Sulphonate) from Industrial Sulphonation Residue	AMAL JYOTHI COLLEGE OF ENGINEERING	27500	5500	17500	2000	2500



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
3	Dr. FASNABI P A	Synthesis, Analysis and Optimization of Geopolymer for its Application in Pervious Pavements	GOVERNMENT ENGINEERING COLLEGE THRISSUR	16400	3200	10000	1600	1600
4	Dr. USHAKUMARY E R	Nanographene for surface coating applications	GOVT. ENGINEERING COLLEGE, KOZHIKODE	50000	5000	35000	5000	5000
5	Dr.GIGI SEBASTIAN	Synthesis of Type A Zeolite from rice husk and its application as builder in effervescent tablet form detergent	GOVT. ENGINEERING COLLEGE, KOZHIKODE	50000	5000	39000	2000	4000
6	DHANEESH K P	Synthesis and characterisation of microencapsulated phase changing material	GOVT. ENGINEERING COLLEGE, KOZHIKODE	32000	6300	20000	2500	3200
7	Dr. ANJANA R	GREEN SYNTHESIS OF NANOSILVER INCORPORATED GRAPHENE OXIDE SHEETS	GOVT. ENGINEERING COLLEGE, KOZHIKODE	45000	9000	27000	4500	4500

BRANCH - ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
1	Dr. DEEPA SANKAR	Green Hydrogen Generation using Floating Photovoltaic System	Adi Shankara Institute of Engineering and Technology, Kalady	26600	2000	22600	1000	1000
2	Mr.ARUN M.S.	A Novel approach power generation from Ocean waves using Ratchet and Pawl Mechanism	COLLEGE OF ENGINEERING PERUMON	35500	3800	27200	1000	3500
3	Dr.DINESH GOPINATH	sterio switched-mode audio amplifier	GOVT. ENGINEERING COLLEGE, BARTON HILL	30000	6000	18000	3000	3000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
4	Dr. ELIZABETH RITA SAMUEL	PULSE (Pool Under Water Life Saving Surveillance Equipment)	RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY	19600	1700	15000	1000	1900
5	Dr. BINDHU S	Hardware implementation of fourier transform based power quality analyzer for voltage measurement	GOVT. ENGINEERING COLLEGE, BARTON HILL	8200	1600	5000	800	800
6	Dr. JENO PAUL P	Design And Development Of Triple Energy Storage System (TESS) For Electric Vehicle Application	Adi Shankara Institute of Engineering and Technology, Kalady	31200	1000	25200	2000	3000
7	Mrs.SAVITHA K P	Automatic Wall Painting Machine	COLLEGE OF ENGINEERING CHENGANNUR	43200	8600	28600	3000	3000
8	Dr. VINOD V	DQ Controlled Single Phase Grid Connected Inverter	GOVT. ENGINEERING COLLEGE, BARTON HILL	30000	6000	18000	3000	3000
9	Dr. MANOJ KUMAR M V	Solar PV Based Multiport DC-DC Converter Utilizing Hybrid Energy Storage System	GOVERNMENT COLLEGE OF ENGINEERING KANNUR	41500	8300	25000	4100	4100
10	Dr.LINSS T ALEX	Solar Powered Hydrogen and Oxygen Production for Cooking and Medical Applications	ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY (AISAT)- TECHNICAL CAMPUS	43200	1000	34900	4300	3000

BRANCH - MECHANICAL ENGINEERING

Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
1	Dr. VINODKUMAR P B	Topological Data Analysis in Lung Cancer Histology Prediction and Cancer Risk Assessment	RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY	19500	3000	10500	3000	3000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
2	Mr. ANOOP R	Design, Analysis and Fabrication of an All-Terrain Robotic Rover with Enhanced Mobility and Stability Using a Modified Rocker-Bogie Mechanism	COLLEGE OF ENGINEERING ADOOR	50000	3300	43700	1000	2000
3	RENJITH T	CLEANSING ROVER	UKF COLLEGE OF ENGINEERING & TECHNOLOGY	39325	3000	30675	2000	3650
4	Dr. YOGESH M	Autonomous Consignment Hexacopter	ST.THOMAS COLLEGE OF ENGINEERING & TECHNOLOGY CHENGANNUR	15500	10000	1500	2000	2000
5	ASKKAR ALI P	Smart hydro farming system	GOVERNMENT ENGINEERING COLLEGE SREEKRISHNAPURAM	25850	5000	15850	2500	2500
6	Dr. SANCHU S	Cryogenic treatment of Aluminium alloy – Al6061,6063,5083	MODEL ENGINEERING COLLEGE	50000	10000	33000	2000	5000
7	Dr. VINAY VARGHESE	CRYOGENIC TREATMENT OF CUTTING TOOL DURING END MILLING OF STAINLESS STEEL 304	Adi Shankara Institute of Engineering and Technology, Kalady	14300	6800	1500	3000	3000
8	Prof. Dr. MANOJ JOSE KALATHIL	Design And Fabrication Of An Electrical GO-KART	ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY (AISAT)- TECHNICAL CAMPUS	47000	10000	27000	5000	5000
9	ANOOP R	PERFORMANCE ANALYSIS OF AN IMMERSION-BASED BATTERY THERMAL MANAGMENT SYSTEM	COLLEGE OF ENGINEERING ADOOR	38589	2000	32089	2500	2000
10	DEEPU R.J.	STUDY, DESIGN, ANALYSIS, AND FABRICATION OF 25 cc TRI-APEX ROTOR ENGINE	COLLEGE OF ENGINEERING PERUMON	49500	9000	31000	4500	5000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
11	SURESH LAL S R	Optimization of heat sink design through thermal analysis and experimental evaluation	COLLEGE OF ENGINEERING TRIVANDRUM	47600	10000	35500	Nil	2100
12	Dr. V R RAJEEV	Processing and characterization of Ni coated and uncoated SiC reinforced A356 stir cast composites	COLLEGE OF ENGINEERING TRIVANDRUM	34000	10000	20000	2000	2000
13	SREESH P S	DESIGN AND DEVELOPMENT OF A MACHINE FOR PRODUCTION OF NOVEL SUSTAINABLE COMPOSITE ACOUSTIC WALL TILES USING RECYCLED CLOTH FIBER AND NATURAL LATEX	COLLEGE OF ENGINEERING, PATHANAPURAM	48571	7200	32410	4961	4000
14	Dr. HARISH T M	Methodological Analysis into the Mechanical and Microstructural Attributes of Functionally Graded Inconel 825-SS304L Manufactured Using Wire Arc Additive Manufacturing	FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)	35000	10000	15000	5000	5000
15	Dr. GOVINDAN P	Development and Mechanical Characterization of Coconut shell/PLA green Composite by Fused Filament Fabrication for Automobile Applications	GOVERNMENT COLLEGE OF ENGINEERING KANNUR	49500	9000	32500	4000	4000
16	Dr. SUNIL A. S.	A Sustainable 3D Printing Filament Extrusion Using Recycled Thermoplastic Waste Materials	GOVERNMENT ENGINEERING COLLEGE IDUKKI	48200	7000	31868	5000	4332
17	NAVANEETH M S	3 Axis Welding Robotic Arm	GOVERNMENT ENGINEERING COLLEGE SREEKRISHNAPURAM	50000	10000	30000	5000	5000
18	Dr.REKHA L	Numerical Modelling & Experimental Validation of PCM enhanced BatteryThermal Management System(BTMS) for Li-ion Battery	GOVERNMENT ENGINEERING COLLEGE THRISSUR	50000	5000	35000	5000	5000
19	RENJITH V B	Comparative study of mechanical, functional, metallurgical properties of A356-WC-Cenosphere composite and A356-AlCrFeZnNi(HEA) Composite	GOVERNMENT ENGINEERING COLLEGE THRISSUR	38850	8850	25000	1000	4000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
20	Dr. FRANCIS J EMMATTY	GLASS CLEANING ROBOT FOR HIGH-RISE STRUCTURES	GOVT. ENGINEERING COLLEGE, KOZHIKODE	20300	1500	16100	1200	1500
21	Dr. SUDHEESH R S	DESIGN, FABRICATION AND PERFORMANCE ANALYSIS OF AN EIGHT WHEELED SEMI-AUTONOMOUS PATH-OPTIMIZED ROVER (SAPOR)	GOVT. ENGINEERING COLLEGE, KOZHIKODE	48850	3750	37900	3500	3700
22	Mr. KRISHNAPRASAD C N	GESTURE CONTROLLED SMART WHEEL CHAIR	JAWAHARLAL COLLEGE OF ENGINEERING AND TECHNOLOGY	28750	10000	8750	5000	5000
23	ANTO ZACHARIAS	Experimental investigation on dye-sensitized solar cell	JYOTHI ENGINEERING COLLEGE	32500	10000	12500	5000	5000
24	Dr SAJITH T.A	Remotely Operated Vehicle for Ship Hull Inspection	KMEA ENGINEERING COLLEGE	31779	2000	24779	Nil	5000
25	Dr MANIKANDA PRABU N	Performance study of parallel flow cryogenic heat pipe for heat transfer applications	MAHAGURU INSTITUTE OF TECHNOLOGY	33700	9800	15000	4900	4000
26	Dr. K PRATHEESH	Two wheeler puncture assisting Trolley	MANGALAM COLLEGE OF ENGINEERING	27390	5000	13850	4270	4270
27	Prof.KIRON CHRISTOPHER	AI Assisted Biomimetic Pepper Harvesting System	MAR ATHANASIOUS COLLEGE OF ENGINEERING, KOTHAMANGALAM	50000	10000	30000	5000	5000
28	Dr. DEEPAK ELDHO BABU	Recycling Of Lithium-Ion Batteries For Sustainable Development In The Automobile Industry	MAR ATHANASIOUS COLLEGE OF ENGINEERING, KOTHAMANGALAM	30562	500	28062	1000	1000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
29	KRISHNA PRASAD N V	Design and Fabrication of 3D printer filament from used plastic bottles	MEA ENGINEERING COLLEGE, PERINTHALMANNA	13810	3000	7810	1500	1500
30	Er. JOHN PAUL	Design and Fabrication of Crack and Leakage Detection System for Water Pipeline Infrastructure.	MES COLLEGE OF ENGINEERING, KUTTIPPURAM	6294	2294	2000	1000	1000
31	PRADEEP RAJ R	Air Jet Erosion Behavior of High-Velocity Oxygen Fuel Sprayed Tungsten Carbide-Nickel Chromium Coating on Chromium Molybdenum Steel	MOHANDAS COLLEGE OF ENGINEERING AND TECHNOLOGY	24810	10000	6810	3000	5000
32	Prof. SMITHA G NAIR	OPTIMIZATION OF MATERIAL REMOVAL RATE AND SURFACE ROUGHNESS OF Ti-6Al-4V BY WIRE CUT EDM PROCESS USING TAGUCHI METHOD	MUSALIAR COLLEGE OF ENGINEERING AND TECHNOLOGY PATHANAMTHITTA	10030	1800	5000	1730	1500
33	Mr.ANAND RAJAGOPAL	Development of filtration membrane from marine pollutant derived cellulose and fish scale derived nanohydroxyapatite for water purification.	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	13773	4515	6000	2258	1000
34	Dr. SWAPNESH S	Design and development of an integrated food waste shredding and Composting System	RAJIV GANDHI INSTITUTE OF TECHNOLOGY,KOTTAYAM	42000	10000	22000	5000	5000
35	PHILIP JACOB PERAKATHU	Motorized Winch Sling Pull Standing Assistive and Exoskeleton for People with Muscular Dystrophy	SAINTGITS COLLEGE OF ENGINEERING	32700	5400	17300	5000	5000
36	Dr. VIDYA CHANDRAN	Integration of Micro Wind Turbines on Electric Vehicles for Range Extension of Batteries.	SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY	18000	10000	Nil	3000	5000
37	Dr. J. B. SAJIN	Design and Feasibility Studies on Eco-Friendly Sanitary Napkin Layered by Pulverized Broken Used Bricks	SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR	5000	1000	Nil	2000	2000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
38	Dr. ANOOP M S	WEARABLE SOFT ROBOTIC GLOVE (PNEUMATIC BASED) TO SUPPORT IMPAIRED HAND FUNCTIONS IN PATIENTS	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	49000	10000	32500	2000	4500
39	Dr. RAJESH BABY	Design and Development of an Assistive Device for Tremor Patients	ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI	37750	10000	17750	5000	5000
40	Dr. EDLA SNEHA	Feasibility study of developing value-added products from water hyacinth fibers	ST. THOMAS INSTITUTE FOR SCIENCE & TECHNOLOGY	32500	10000	12500	5000	5000
41	AJIMSHAD A	Development and Testing of a Refractory high entropy alloy for Aerospace applications.	TKM COLLEGE OF ENGINEERING	50000	10000	30000	5000	5000
42	Mr. PRASANTH M A	Waste oil derived greases : A Comparative Tribological Investigation	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	41220	5000	34220	1000	1000
43	DILIN DINESH	Design, Fabrication and Analysis of Rescue & Safety Surveillance Unmanned Ground Vehicle	VIMALJYOTHI ENGINEERING COLLEGE	32250	3000	21250	4000	4000
44	JEES GEORGE	Advanced Self Balancing E-Bike	AMAL JYOTHI COLLEGE OF ENGINEERING	20500	10000	2500	3000	5000

BRANCH - ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contingency
1	ANU MARY MATHEW	AUTONOMOUS TEA HARVESTER (TEA SNAPPER)	MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING & TECHNOLOGY	32500	10000	17500	2000	3000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
2	Dr. HARI R	College Assistant Humanoid Robot	GOVT. ENGINEERING COLLEGE, BARTON HILL	48674	9009	36665	1000	2000
3	Dr. KIRAN R.	Automatic delivery robot using visual SLAM	GOVERNMENT ENGINEERING COLLEGE IDUKKI	50000	10000	34000	1000	5000
4	NISHA RAJAN S	Aqua Cleaner Ro-Boat	COLLEGE OF ENGINEERING CHENGANNUR	45550	8500	31050	2000	4000
5	Prof.ANU GEORGE	CLEAN-BOT-The Creek Cleaning Robot	RAJIV GANDHI INSTITUTE OF TECHNOLOGY,KOTTAYAM	27136	4500	17636	2300	2700
6	JOAQUIM IGNATIUS MONTEIRO	Bot for Indoor Navigation for Visually Impaired	COLLEGE OF ENGINEERING TRIVANDRUM	35000	1000	30000	1000	3000
7	Dr GEORGINA BINOY JOSEPH	Sparklink:The Universal Autonomous UAV Battery Swapping and Charging dock with Precision Robotic Arm	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	30000	10000	10000	5000	5000
8	DHANYA S	Autonomous Search and Rescue Rover	FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)	27260	5800	14500	3110	3850
9	LEKSHMI P GOVIND	SPEECH ENABLED WRITING MACHINE	UKF COLLEGE OF ENGINEERING & TECHNOLOGY	25200	3000	16000	2000	4200
10	Dr. SARAH JACOB	Medical Assistant Robot	COLLEGE OF ENGINEERING CHENGANNUR	17300	3500	10000	1300	2500



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
11	MOHAMMED SHAFFI J	LPG Guard Alert System	LBS INSTITUTE OF TECHNOLOGY FOR WOMEN, POOJAPPURA	7200	2000	3200	1000	1000
12	BENCY VARGHESE A	Smart Ambulance Alerting Drone	IES COLLEGE OF ENGINEERING	15300	4000	8000	1300	2000
13	Dr. RANJITH RAM	Self Navigating Smart Cane	GOVERNMENT COLLEGE OF ENGINEERING KANNUR	7280	4180	Nil	1600	1500
14	JYOTHI K	Rescue and Surveliance Drone for Women Safety	College of Engineering Trikaripur	27033	2095	24238	500	200
15	VISHNU RAJAN	Navigating AI Wheelchair cum bed via voice	Sahrdaya College of Engineering and Technology	32500	5000	17500	5000	5000
16	Dr.VINEETHA MATHAI	Realization of Quadrupled Robot for Interplanetary Mission and Logistics Operations	Mar Baselios College OF ENGINEERING AND TECHNOLOGY	27500	1000	22500	1000	3000
17	DEEPA ELIZABETH GEORGE	NeuronNav chair	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	25700	7800	12000	2000	3900
18	Dr. SUMI M	Design of a Flexible Wearable Antenna for Microwave medical imaging Application	NSS COLLEGE OF ENGINEERING	39000	8000	24000	3000	4000
19	Dr. NISHEENA V IQBAL	THIRD EYE - AN AI-ENABLED ASSISTANCE SYSTEM FOR THE VISUALLY IMPAIRED	MES COLLEGE OF ENGINEERING, KUTTIPPURAM	19400	7200	9200	2000	1000



Sl. No.	NAME OF PRINCIPAL INVESTIGATOR	Title of the Project	College	Amount Sanctioned	Consumables	Equipments	Travel	Contigency
20	Sr. JESNA CATHERINE	Borewell Child Rescue and Supporting System	JYOTHI ENGINEERING COLLEGE	18500	5000	9000	2000	2500
21	HARIKUMAR T	Spatial Haptic Harmony: Combining Spatial Audio and Haptic Feedback with AI Enhanced Environment for Visually Impaired	COLLEGE OF ENGINEERING ADOOR	48000	1000	45000	1000	1000
22	Dr. BAIJU P.S.	Bore well Surveillance and Rescuing Rover	LBS COLLEGE OF ENGINEERING	18800	6400	6000	3200	3200
23	Mr. SHIRAS S N	AI Enhanced Customizable 5-DoF Robotic Arm for Optimizing Warehouse Operations	MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY	32500	10000	17500	Nil	5000
24	Prof. BABU P KURIAKOSE	Elephant Guard - AI Powered Forest Boundary Surveillance for Human Settlement Protection	MAR ATHANASIOS COLLEGE OF ENGINEERING, KOTHAMANGALAM	50000	10000	30000	5000	5000
25	Dr. ARUN VARGHESE	Object hunting drone	GOVERNMENT ENGINEERING COLLEGE, WAYANAD	39000	9000	25000	1000	4000



Annexure II

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Terms & Conditions for Financial Assistance to Student Projects

1. The amount has to be utilized as per budget provision under each head.
2. The purchase of equipments shall be in accordance with the store purchase rules. All equipment purchased will be the property of the University and the stock entry of the items purchased shall be maintained in the College. Purchase of computers/peripherals is not allowed unless specifically mentioned in the sanction order.
3. The stock entries of consumables purchased shall also be done in the consumables stock register of College. Purchase of stationery shall be for project purpose only. Printing charges for multiple copies of the project report will not be admissible.
4. The maximum duration of the project is one year from the date of sanction. It is the discretion of the University to settle amount towards the purchase of those items not clearly mentioned, if any, in the project proposal.
5. On completion of the project, detailed report of the research work, audited statement of accounts Utilization Certificate and Expenditure Statement in the prescribed format duly attested by the head of the institution along with original bills towards expenditure incurred with payment certificate of the Principal Investigator shall be submitted within one month of completion of the project for reimbursement of expenditure. The Bank Account details of the Principal shall be submitted along with the request for reimbursement. Requests for reimbursement shall not be considered after the date of submission of documents as above.
6. For reimbursement of expenses under the head **Travel**, Train tickets/Bus tickets/Taxi receipts, in original, affixing payment certificate of the Principal Investigator specifying the purpose of travel with actual distance of journey and fare shall be submitted.
7. On all publications resulting from the finding of the research/project, due acknowledgement shall be given to the University.
8. Book or literature purchased, if any, should be taken into the Stock Register of Central Library or Department library and then distributed to the investigators.
9. The expenditure under the head **Others** is admissible as per the budget proposed. All other expenditure has to be included in the head Contingencies.

Title of Project

Signature of Principal Investigator:

Name:

Office address:





VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR, KERALA

Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE • ISO 9001:2015 Certified
Accredited by Institution of Engineers (India), NBA, NAAC



13.06.2024

From,

Ms Divya B

Associate Professor & HOD

Department of CSE, VJEC

To,

The Manager, VJEC

Respected Father,

Sub: Regarding release of IRPS Fund - 2024

Group No.	PRN No	Name of the student	Project Topic	Guide Name	Amount Sanctioned
1	VML20CS010	Abin Devasia	Smart Weighing System	Ms. Divya K	Rs 8000/-
	VML20CS050	Anurenj M			
	VML20CS095	Joseph Varghese			
	VML20CS173	Thomas P S			

One project from the Computer Science Department has been selected for the Institute Research Promotion Scheme (IRPS). Therefore, I kindly request you to release the amount sanctioned for the following project.

Sanctioned to pay Rs - 2000 x 4

= 8000/-

Pr. Lav. B.D.
01/07/24.



VIMAL JYOTHI

ENGINEERING COLLEGE

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06.06.2024

From,

Dhanoj M
Assistant Professor & HOD
AEI Department
VJEC

To,

The Manager
VJEC

Sub, Regarding release of IRPS Fund - 2024

Respected father,

Three projects from the Applied Electronics & Instrumentation Engineering Department have been selected for Institute Research Promotion Scheme - IRPS. So I hereby request you to please release the amount sanctioned to the following projects.

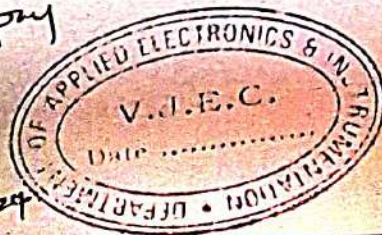
Group No	PRN No	Name of the student	Project Topic	Guide Name	Amount Sanctioned
1	VML20AE008	Anargh K	Smart Energy Metering System	Shamya A	Rs 9000/-
	VML20AE009	Aswin T S			
	VML20AE010	Aswin Vinod C			
2	VML20AE020	Revanth P V K	Robotic Arm in a Omnidirectional Base	Dhanoj M	Rs 6000/-
	VML20AE021	Tom Jessan			
	VML20AE022	Vyshnav K			
3	VML20AE002	Ajay K P	Density based Traffic Light control system	Reshma K V	Rs 5000/-
	VML20AE003	Akhil M A			
	VML20AE004	Akshar Mohan			

Sanctioned to pay

Rs. 20000/-

R. Law

01/06/24



06/06/2024

Head of the Department
Applied Electronics & Instrumentation Engg
Vimal Jyothi Engineering College



VIMAL JYOTHI ENGINEERING COLLEGE

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NBA: B.Tech CE, CSE, EEE & ME



NAAC ACCREDITED

From,

Dr Anto SahayaDas D

Professor & Hod

ECE Department

VJEC

To,

The Manager

VJEC

Sub: Regarding release of IRPS Fund-2024

Respected Father,

Two projects from the Electronics & Communication Engineering Department have been selected for Institute Research Promotion scheme –IRPS .So I hereby request you to release the amount sanctioned to the following projects

Sl No	PRN No	Name of the student	Project title	Project Guide	Amount Sanctioned
1	VML20EC051	Vaibhav S	Black Box system	Dr Roshini T V	Rs 10000/-
	VML20EC018	Aswin Divakaran			
	VML20EC049	Sreejishnu PA			
	VML20EC038	Nibin BV			
2	VML20EC007	Alan P Mathew	Designed and implemented Wheelchair Control using handgesture	Mr Vinod J Thomas	Rs 10000/-
	VML20EC020	Bobit Benny			
	VML20EC019	Binil Kurian			
	VML20EC033	Mathew MJ			

Sanctioned to pay - 10000 + 10000

Pr. Laxmi 
01/02/24.



VIMAL JYOTHI ENGINEERING COLLEGE

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From
Cdr. Raju K K (Retd.)
HOD
Department of Mechanical Engineering
VJEC

To
The Manager
VJEC

Sub: Regarding release of IRPS Fund 2024- ME Department

Dear Father,

Two Projects from the Mechanical Engineering Department have been selected for the Innovative Research Promotion Scheme-IRPS 2024. So I hereby request you to kindly release the amount sanctioned to the following projects.

Sl.No	Register No	Name	Project Title	Name of the Supervisor	Amount Sanctioned
1	VML20ME015	Alen Jose	DESIGN AND FABRICATION OF AUTOMATED HYDROPHONIC FARMING SYSTEM	Dr. Sridharan P	Rs, 10000/-
	VML20ME047	Sharon Scaria			
	VML20ME040	Nirmal Thomas			
	VML20ME042	Rijin S Nambiar			
2	VML20ME059	Vyshnav R	DESIGN AND FABRICATION OF A HAND GESTURE-CONTROLLED WHEELCHAIR	Mr. Arunlal M P	Rs, 10000/-
	VML20ME055	Vaishnav P V			
	VML20ME052	Srinand S			
	VML20ME054	Tinu George			

VJEC
19th June 2024

Sanctioned to pay

Rs. 10000 + 10000

Re loan

[Signature]
19/6/2024



VIMAL JYOTHI ENGINEERING COLLEGE

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NATIONAL BOARD
OF ACCREDITATION
NSA: B.Tech CE, CSE, EEE & ME



NAAC ACCREDITED

From,

Laly James

Associate Professor & HOD

EEE Department

VJEC

To,

The Manager

VJEC

Sub: Regarding release of IRPS Fund-2024

Respected Father,

One project from the Electrical and Electronics Department has been selected for Institute Research Promotion Scheme- IRPS. So I hear by request you to please release the amount sanctioned to the following project.

Group No	PRN No	Name of The Student	Project Topic	Guide Name	Amount Sanctioned
1	VML20EE003	Agil Mathew Antony	Detection Of Fault In Solar Panel Using Thermal Image Processing	Tinu Francis	Rs 20,000/-
	VML20EE006	Albin James			
	VML20EE025	Ronith Sajeev			
	VML20EE031	Vaibhav O			

Laly James
HOD EEE
12/6/24

Sanctioned to pay Rs- 20000/-

R. Laxmi

01/02/24



VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA

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From,

18-06-2024

Dr. Manoj V. Thomas
Professor & Programme Coordinator – ADS
VJEC, Chemperi

To,

The Manager,
VJEC, Chemperi

Sub: Regarding the release of IRPS fund – 2024

The following project has been selected for funding under the Institute Research Promotion Scheme (IRPS) from ADS division. So, I hereby request you to kindly sanction and release the amount to the concerned students at the earliest.

Sl. No.	Name of the Student	PRN	Title of the project	Name of the Guide	Amount Recommended
1	Alana Ance John	VML20AD002	AI-Enhanced Glasses for the Visually Impaired	Dr. Manoj V. Thomas	Rs. 21,835 /-
2	Austine S. Manuel	VML20AD006			
3	Hamna Rafeeq	VML20AD012			
4	Thalhah Anas	VML20AD028			

Account Details:

Name : Austine S. Manuel
Account No: 40150058596
IFSC: SBIN0070894
Branch: Chemperi

NB: Copies of bills are attached.

Sanctioned to pay Rs. 20000/-

R. Laxmi
01/07/24

Dr. Manoj V Thomas
21/6/2024
Dr. Manoj V Thomas
Programme Coordinator - ADS

From,

25.06.2024

Dr. Biju Mathew
HOD & Dean Exams
CE Department
VJEC

To,

The Manager
VJEC

Sub, Regarding release of IRPS Fund - 2024

Respected father,

Three projects from the Civil Engineering Department have been selected for Institute Research Promotion Scheme - IRPS. So I hereby request you to please release the amount sanctioned to the following projects.

Group No	PRN No	Name of the student	Project Topic	Guide Name	Amount Sanctioned
1	VML20CE025	ANURAG A K	Study on bituminous mix added with crushed waste glass as partial replacement of fine aggregate & arecanut fiber as stabilizing additive	Ms. Anitha Babu	Rs. 5000/- 1896
	VML20CE032	ASHUTHOSH P			
	VML20CE041	DHYAN CHANDRAN			
	VML20CE056	NAVANEETH P V			
2	VML20CE023	ANJANA K N	Partial replacement of bitumen with sugarcane waste molasses & utilization of quarry dust in bituminous mix	Mr. Logi N Boby	Rs. 5000/- 2952
	VML20CE065	SANJANA SUMOD			
	VML20CE057	NIVEDITHA T V			

Sanctioned to pay

1896 +

Per. Lowy

2952 +

9112


01/07/24