



**S V C E** | Sri Venkateswara  
College of  
Engineering

Autonomous Institution-Affiliated to Anna University

Pennalur, Sriperumbudur 602 117

Office of the Dean (Research)

15<sup>th</sup> July 2024

Submitted to the Secretary

Through the Principal,

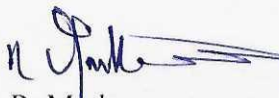
Sub: Funding for innovative projects for Final Year UG  
Students for the Academic Year 2024-2025 – Regarding.


Dear Sir,

As done in the previous year's our research budget includes the provision of project funding for Final year UG students. Since the UG students start the project in the Even Semester. Therefore, I request you to approve an amount of ~~Rs.2,00,000/-~~ for final year UG Student Research Projects for the Academic year 2024-2025. Each UG degree course will be funded with at least two projects, with an approximate amount of Rs. 10,000/- per project.

Thank you in advance for your approval.

Sincerely Yours

  
15/7/2024  
Dr. R. Muthucumaraswamy  
Dean (Research)

**Recommended**  
  
15/7/24  
Principal

**Approved**  
  
Secretary  
15/7/2024

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.



**SVCE** | Sri Venkateswara  
College of  
Engineering

Autonomous Institution: Affiliated to Anna University

Pennalur, Sriperumbudur 602117

Submitted to the Principal

Date : 30/1/2025

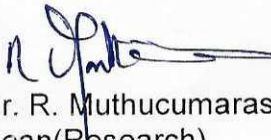
Sir,

Project Proposals were called for final year UG Intramural Project funding for the Academic year 2024-2025. We have received 117 projects proposals from the UG students for Intramural funding. The following Professors are the members of the review committee, to review and recommend the projects for funding.

1. Dr. S Ganesh Vaidyanathan, Principal, SVCE.
2. Dr. KR Santha, Professor and Head / EEE, and Vice-Principal.
3. Dr. N Rajganesh, Professor/ ADS
4. Dr. N Kumarathan, Professor / ECE.
5. Dr. J Venkatesan, Professor and Head / AUT, Dean (Students' Welfare),
6. Dr. S Ramesh Babu, Professor and HOD / Mechanical,
7. Dr. G Sumathi, Professor/ INT
8. Dr. R Rajesh @ Nithyanandam, Associate Professor / CHE
9. Dr. E Nakkeeran, Professor and Head / BIO
10. Dr. R Kumutha, Professor and Head/CVE
11. Dr. R. Muthucumaraswamy, Professor and Head, Dean (Research)/ Convener

I request you to approve the members for the above said committee.

Sincerely yours

  
30/1/2025  
Dr. R. Muthucumaraswamy  
Dean(Research).

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
30/1/25.  
Principal  
**Principal**  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602 117  
Tamilnadu, India.



An Autonomous Institution – Affiliated to Anna University

Office of Dean (Research)

Intramural Final Year UG Project funding for the Academic Year 2024-2025

Annexure- I

Date : 7/2/2025

**Department of Automobile Engineering**

S.No	Name the student(s)	Title of the Project	Name of the Mentor with Designation
1	Mr Chimirala Asish Mr N M Gowtham Narayanan Mr G Karthikeyan	Design and Fabrication of active safety components for avoiding road accidents in Ghat roads	Dr G Ravi Assistant Professor

**Department of Biotechnology**

S.No	Name of the Student	Title of the Project	Name of the Mentor with Designation
1	Mr. Sivagurunathan R	Elucidation of HSP90 inhibitors in treatment of Type2 diabetes mellitus associated with Liver Fibrosis	Dr. P K Praveen Kumar Professor
2	Ms. Nithisha L Bastin	Elicidation of (Inositol Requiring Enzyme I alpha) IRE 1 inhibitors in the treatment of breast cancer using medicine learning and molecular binding studies.	Dr. P K Praveen Kumar Professor
3	Mr. Kevin M	Synthesis and Characterization of Withaferin A loaded Chitosan Nanoparticle.	Dr. P K Praveen Kumar Professor
4	Ms. Christina Britney SN, Ms. Harinishree Ravikumar	Screening of Antimicrobial Peptides from Vitex Plant for applications against Multidrug Resistant Bateria	Dr. K Divakar Associate Professor
5	Ms. Nandita S, Ms. Priyanka Raj R	Optimization of Process Parameters for enhanced HA production using genetically modified Lactococcus lactis	Dr. V Sumitha Professor
6	Ms. Bavishya JR, Ms. Sudharsini V	Media Optimization for enhanced HA production by genetically modified Lactococcus lactis	Dr. V. Sumitha Professor
7	Ms. Ashwini P, Nithila S	Designing Probiotic System for Cloning and Expression of Human Interleukin-2	Dr. V Sumitha Professor
8	Ms. Gaayathri M, Ms. Anushri K	Investigating the Role of Sertonin Regulated miRNA in the Pathogenesis of Atherosclerosis	Dr. J Isaivani Assistant Professor

9	Ms. Thulasi Kalaivani B	Exploring the Biological Effects and Therapeutic Potential of Sesquiterpenes in Perfume Studies: Leveraging Advanced Cell Line Models and Recent Technologies.	Dr.G Karthigadevi Assistant Professor
10	Ms. N Anushya, Ms. B Sulakshuna	A Synergistic Approach to Breast Cancer Treatment through Phytochemical Delivery by Liposomes	Mr. J Hariharan Assistant Professor
11	Ms. Varsha G	Anti-cancer and Anti-inflammatory effect of Curcumin and Quercetin combination in Hepatocellular Carcinoma Cells	Mr. J Hariharan Assistant Professor
12	Mr. Srihari Prasath R, Mr. Srihari Krishna N	Revolutionizing idli preparation: Formulation of a dried starter culture for rapid batter fermentation	Dr. K. Vasantharaj Assistant Professor
13	Ms. Kanika Loganathan	Nano-Enhanced Next-Generation Cosmeceuticals for Targeted Transdermal Delivery of Anthocyanins in Melanogenesis Modulation	Dr. G. Karthigadevi Assistant Professor
14	Mr. Girish	Formulation of natural neuroprotective and hepatoprotective compound for military personal operating in extreme conditions	Dr. J. Isaivani Assistant Professor
15	Ms. Keerthana J, Mr. Harrish SA	Formulation and optimization of Tropical Products for Arthritis s management utilizing extracts from Mukia Madasarapatna	Dr. G. Karthigadevi Assistant Professor
16	Ms. Harini GV	Exploring Cholinergic Dysfunction and Donepezil's Role in Restoring Circadian Rhythms in an AD Model	Dr. J. Isaivani Assistant Professor
17	Ms. Swalakshana AS	Innovative Hydrogel therapy: Utilizing chicken feather keratin and plant extract for Ichthyosis Vulgaris	Dr. J. Isaivani Assistant Professor
18	Mr. Gopikrishnan K	Development of Nano-Polymer-Based Fatty Acid Emollients for Combating Fungal and Bacterial Skin Infections	Dr. K. Ganesh Prasath Assistant Professor

### Department of Civil Engineering

S.No	Name the student(s)	Title of the Project	Name of the Mentor With Designation
1.	Harini A and Vishvanathan S L	Development of Biochar blocks for Sustainable Construction : Reshaping Construction and Demolition Wastes	Dr. R. Kumutha Professor and Head
2.	Lomina R and Nithila M	Textile Reinforced Concrete Wall Panels: Enhancing Structural Resilience and Environmental Performance	Dr. R. Kumutha Professor and Head
3.	Aadeshwar S and Kalicharan A S	Study of Effectiveness of Greeb Corrosion Inhibitors on Mild steel in Preventing Corrosion	Dr. Ruby Freya Assistant Professor

4.	R Rashik Ahmed	Sustainable Water Treatment using Bamboo Activated Carbon : A Multi-layer Filtration Approach	Mr. G. Arun Assistant Professor
5.	Harish Kannen R and Kishor M	A Study on Mechanical Properties and Durability Characteristics of Kegila Africana Fibre Mortar	Dr. R. Sathia Associate Professor

### Department of Chemical Engineering

S.No	Name the student(s)	Title of the Project	Name of the Mentor with Designation
1	Sanjana Shree PN Tamil Adhavan S Umesh V Vidhyalakshmi V	Experimental Analysis of Composition and Temperature regulation on the yield of aspirin production via Vacuum Reaction Distillation Apparatus	Dr R Govindarau Professor and Head
2	Hemashree S Keerthana Ratheesan Dhanaram	Exchanging Performance of vanadium redox flow battery using different electrodes	Dr G Sudha
3.	Samyudhya V Saranya S Parkavi K	Development and Characterization of electrodes coated with low cost bio-adsorbent from Heavy metal removal wastewater	Ms A C Vijayalakshmi Assistant Professor
4	Vanisuvathsala S V Vidhyavarshini K Siva K	Removal of microplastics from wastewater using nanocoils infused hydrogels	Mr N Arun Prem Anand Assistant Professor
5	Mridhula B Gayathri V Kabilesh S	Design and Operation of Reverse Microwave Crystallizer	Mr S Jaiganesh Assistant Professor
6	Arthi R Didar Hameed S Haresh Babu M	Nanoporous Cellulose acetate membrane casted with chitosan for flexible solid state sodium – ion batteries	Dr N P Kavitha Assistant Professor
7	Ramapriyan Avoodaiappan Siddharth R R Vaishnavi S T	Development of Sonolytic integrated activated sludge process in SVCE wastewater	Dr N P Kavitha Assistant Professor
8	Vedhavarshini A Santhosh Kumar S Sevvanthi B	Synthesis of Zinc based Metal Organic Frameworks (MOF) adsorbent for SVCE Sewage water treatment	Dr G Manikandan Assistant Professor
9	Moksa Prasan P Kripa V Jana R	Removal of organic compounds from textile effluent by performing adsorption studies over the natural eco-friendly adsorbent	Dr M Srividhya Assistant Professor
10	Priyanka M Ponmathi S Yashwanth Sriram V P	Synthesis of Calcium phosphate nanoparticles from sustainable sources and their application as an adsorbent for Copper ion removal from wastewater	Dr M Srividhya Assistant Professor

11	Janarthanan C Dhasarathan V Balaji P Jasvanth J	Evaluation of Biochar derived from different feedstocks for wastewater treatment and soil remediation	Dr Philip Bernstein Saynik Assistant Professor
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### Department of Computer Science and Engineering

S. No.	Name the student(s)	Title of the Project	Name of the Mentor with Designation
1.	Manne Anjali Narmadha P Sahana B	Healify: A Digital Solution for Promoting Mental Well-being Empowering through Legal Knowledge, and Enhancing Safety with Engaging Tools	Ms.R.Gayathri Assistant Professor
2.	Dinesh Kumar R Gokul Kannappan NR Harini S Yerragogu Rishitha	Vital: A real-Time Hospital Monitoring System	Dr.T.Rajasekaran Associate Professor
3.	Shivasubbiah B	AI and Blockchain Enabled Online Registration System	Dr. Suresh Kumar M Associate Professor
4.	Adithya Vikas A Aparajitha P	Silent Bridge: Building Connections between Speech and Silence with AI.	Ms. R. K. Kapilavani Assistant Professor
5.	Dharani Narumugai R Indhu V Jaya Bharathi N	Anti-Theft Solution for Ration Goods using Quantum Cryptography and Blockchain.	Ms. R. K. Kapilavani Assistant Professor
6.	Siva Prakash S Sredesh V Yogesh S U	Unified Learning Management System: An Integrated Platform for Personalized Education and Certification Management.	Dr. S. Poorani Assistant Professor
7.	Bhuvanesh S Kishore Kumar P Prajith Paavan K	ConsentGuard: Enhancing Seller Security in Digital Transactions.	Dr. S. Poorani Assistant Professor
8.	Lokkesh Annamalai S K Manish M Naraen Balaji	ML Based Accident Prediction System for High Risk Ghat Roads	Dr. S. Rajalakshmi
9.	Santhosh S Jayaganesh B Nithin S	AI-Powered Learning Management System	Mr. E. Raghuvaran Assistant Professor
10.	Shree Harini Deekshitha M Bhuvaneshwari J Sanjay Raj M S	Designing a secure and Transparent Faceless Registration System for Online sellers with Data Privacy and Security Compliance.	Ms. Rupa Kesavan Assistant Professor
11.	Sanjay S Sreevathsan V Tamizhselvan R D	AI-Driven OCR for Digitizing and Translating Handwritten Historical Records into Regional Languages.	Dr. G. Janakasudha Associate Professor
12.	Ashwin V Balaji C K Balamurugan B	Designing a Secure Online Registration System with Enhanced Consent Verification Mechanisms.	Ms. Iyswarya R Assistant Professor
13.	Akshaya N Dharshana Shri P Harini S	Wildlife Detection and Deterrence using Hybrid CRNN based Audio Analysis for Agriculture Protection.	Ms. Iyswarya R Assistant Professor

14.	Charulatha S P Dhanusha B Sashmitha R S	AI-Powered OCR for Digitizing Handwritten Historical Documents in Regional Language.	Ms. J. Lavanya Assistant Professor
15.	Madhavan S Vinay Varshigan S J Naren Surya S	Seamless Emergency Communication and Wild Animal Detection	Ms. M. Shanthalakshmi Assistant Professor
16.	Balaji B Balaji M Dharaneesh T	Efficient Petition System using Natural Language Processing.	Mr. K. Francis David Assistant Professor
17.	Mahithra M Nikitha Ramesh Pavithra S	SignEase: AI-Driven Real -Time Speech -to-Sign Language Translation System using Animated Avatars.	Dr. Revathi N Associate Professor
18.	Jennifer Paul C T Rahul J Rahul K	Heritage Tourism Through AI-Powered Voice Assistance	Dr. Revathi N Associate Professor
19.	Pooja TSR Sakthisri A Sharmila A	Care Connect - An Online Platform to ensure the Safety and Mental well - being of Children and Women.	Dr. S. Rajalakshmi Associate Professor
20.	Stany Romero S S N Vetrivel Vigneshwar R Shashank S	Transport Foodchain	Ms. J. Buvana Assistant Professor
21.	Bhavan Arimaan T Chanakiya Kshatriya A Deepakkumar S B	Next-Gen Digital Solution for Healthcare OverSight: Linking PHCs to DDHS	Dr. S. D. Nandakumar Assistant Professor
22.	Dinesh Kumar R Gokul Kannappan N R Harini S Yerragogu Rishitha	Sevai Portal: Real-time Schemes mapping System with grievance redressals for SEBC's using Machine Learning algorithm, Digi locker and Multilingual Access	Dr. S. D. Nandakumar Assistant Professor
23.	Shiva A Srihari S A Udhayan C	PetitionTrack: AI-Powered Grievance Management Analysis System.	Ms. P. Kaviya Assistant Professor
24.	Archana G Sanjana J Sri Janani S	AI Powered Road Safety System using YOLOv8 and Keras OCR.	Dr. P. Janarthanan Professor
25.	Aslin Joshy A J Durga G Girisha T S	Geo-Enabled Mobile Inspection System for Tamil Nadu District- Level Governance with Digital Authentication.	Mr. K. Srinivasan Assistant Professor
26.	Brindha S Guhapriya C Janani E	Smart Sign Language System for Inclusive Communication.	Ms. A. A Joe Sweetlin Jeena Assistant Professor
27.	Bharat Kumar R J Gousiga V S Harish K	Multilingual Heritage Assistant using Recurrent Location Aware Transformer (RLAT) Approach.	Mr. T. Ramalingam Assistant Professor
28.	Baranidharan K Caroline Newton	Heritage Explorer: A Voice-Activated Cloud Solution.	Mr. P. Selvamani Assistant Professor

	Jaya Surya K		
29	Shiva K S Ganesh Kumar S Suram Yashwanth	Discovering TamilNadu: AI Tales and Trials.	Ms. R. Gayathri Assistant Professor
30.	Sai Manushrri S Shafiya Parveen Varsha R	AI-Powered Grievance Management System	Dr. P. Janarthanan Professor
31.	Sakthimurugan M Vignesh M Vikesh S	Smart Care for Mother and Baby	Ms. E. Kiruthiga Assistant Professor
32.	Bhuvanesh S Kishore Kumar P Prajith Paavan K	ConsentGuard: Enhancing Seller Security in Digital Transactions.	Dr. S. Poorani Assistant Professor

### Department of Artificial Intelligence and Data Science

S. No.	Name the student(s)	Title of the Project	Name of the Mentor with Designation
1.	Deepan R Devi Priyanka B Nivetha R	DesiTrial - An AI-Powered Voice- Assisted Multilingual Tourist Guide System.	Dr. V. Rajalakshmi Associate Professor
2.	Sanjana M Nandagopal E Santhosh S	AI-Powered Petition Management System	Ms. S. Dhivya Assistant Professor
3.	Gayathri M Sakthi R N Sumaant K B	HeritageScript: An AI-Powered Digitization for Regional Language Records.	Dr. V. Rajalakshmi Associate Professor
4.	Raaga Priya J K	LoRa-Based Emergency Communication System for Remote Regions.	Ms. S. Janani Assistant Professor
5.	Arshith Babu S D Guru Murthy K Mohan Vamsi V P	GROOVEGENIE: An AI Systems for Personalised shopping Experience.	Ms. S. Keerthana Assistant Professor
6.	Shyam Sundar Shubham Sinha Thiruvengadam S	PathFinder: Personalised Career Planning for Students.	Ms. P. Shobhanjaly Nair Assistant Professor
7.	Joshua Sheron D Rishab S Siddhartha P	SignSpeak: Real-Time Multilingual Speech-to-Sign Converter	Ms. P. Uma Assistant Professor



### Department of Electrical and Electronics Engineering

S.No	Name the student(s)	Title of the Project	Name of the Mentor With Designation
1.	Mr N Gokul Mr S Hari Ashwin	Adaptive SoC Estmation Algorithm for Aggregated EV supported LFC	Dr S G Bharathidasan Professor Dr M Sankar Associate Professor
2.	Mr S B Upillikannan Mr M varun Kumar	A New Control strategy for switched capacitor based 29 level inverter for AC drive Applications	Dr T Annamalai Associate Professor
3.	Mr S Harish Mr B jaiganesh Mr M kalanciyam	A Non isolated high voltage gain DC-DC converter for DC Micro-grid Application	Ms K Suganthi Assistant Professor Dr S S Sethuraman Associate Professor
4	Mr S Neson Raj Mr M Rosan Ram Mr S Santhosh Kumar	Fabrication of MOS based hetero junction thin film gas censored for hydrogen tank	Ms S Sinthamani Assistant Professor

### Department of Electronics and Communication Engineering

S.No	Name of the Student(s)	Title of the project	Name of the Mentor with Designation
1.	Ms S Anishaa Ms P C Dhanshrepriya Ms A Gogulapriya	An efficient AI-driven watermarking technique for Copyright Protection in Music Tracks.	Dr.D.Menaka, Associate Professor
2.	Mr V Kiran Yadav Mr R Parvesh Mr A Ram Solaiappan	Smart Maritime Safety Network: A LoRaWAN-Based Emergency Communication System for Fishermen	Dr.R.Gayathri, Professor
3.	Ms P M Tamilzharasi Mr L Sharad Ms K Udhaya	Harnessing Electromyography for Advanced Bionic Hand control	Dr.R.Gayathri Professor
4.	Ms M Angelin Sheju Ms A Dharani Jeevalatha	Automated Detection Of Abnormalities In Ecg Signals	Dr D.Menaka Associate Professor
5.	Ms N G Arthiya Ms B Aruna Ms N S Bhuvaneshwari	Implementation Of Dual Band Mimo Flexible Millimeter Wave Antenna For Wearable Electronics Applications	Dr. S Vidhyashree Assistant Professor
6.	Mr B Jason Jeffrey Raj Mr S Karan Mr S Hemanth	Millimeter Wideband Reflectarray For Remote Sensing Applications	Dr. Vidhyashree S Assistant Professor
7.	Mr B Surya Mr M Prashanth Mr P Vivekanand	Mixed-Signal Bist Implementation For Ecg Denoising Using Rls Adaptive Filter With Non-Restoring Division Algorithm	Dr. P.Pattunnarajam Associate Professor
8.	Mr N Thibagaran Mr M Thulasi Srinivas	Design and Implementation of an 8-Bit ALU using Stacked Thin-Film Transistors	Dr. P.Pattunnarajam Associate Professor

	Mr P Vignesh	(TFTs)	
9.	Mr A.S.Praveen Ms S.Priyadharshini Ms B.Priyadharshini	IoT-Driven Predictive Maintenance System for equipment in small-scale factories.	Mr.P.Arul Assistant Professor
10.	Mr A.Logeshwar Mr R.Magdalene Roy Mr RM.Manikandan	Smart Home Assistant for Personalized Care and Monitoring	Ms.K.S.Subhashini Assistant Professor
11.	Mr A S Ajay Kumar Mr A J Ajay Kumar Mr R Karuppasamy	Integrated engine oil alert system with pollution control measures	Mr.S P Sivagnana Subramaniyam Assistant Professor
12.	Ms K Jeevitha	Wearable sensors with artificial intelligence for the prevention fall elderly people	Dr. A.Ramya Assistant Professor
13.	Mr A Raghul Mr K Raguk Mr B Nithish Kumar	Reduction of Radar cross-section using Artificial Magnetic Conductor(AMC) / Metasurfaces	Ms.C.Gomatheeswari Preethika, Assistant Professor
14.	Mr S Kiran Sekar Mr S Magesh Mr J Robinkumar	Design and development of Multi-criterial sensor-based monitoring systems for Optimized Shrimp Farming Using Raspberry Pi	Mrs.S M Mehzabeen Assistant Professor
15.	Ms M Abarajitha Ms J K Dhanushri Ms J Haripriya	Performance Evaluation of Data Augmentation using Generative Adversarial Network for Tamil handwritten character Recognition	Mrs.S. Kalyani Assistant Professor
16.	Mr S Surya Prakash Mr S Umesh Anandh Mr K R Tharun	VLSI Implementation of Quantum Chaotic map and DNA encoding based Cryptoprocessor	Ms.B.Sarala, Assistant Professor
17.	Mr B Madhav Ms M K Madhuvanathi Mr S Ram Sureth Kumar	Real-Time Exercise Pose Detection and Correction System	Ms.S.Kalyani Assistant Professor
18.	Ms S Jaikrishnan S , Mr S Amarnath S Mr N Jagadeswaran	Enhanced Safety Monitoring and Hazard Detection in Construction site Zones	Mr.M.K.Varadarajan, Assistant Professor
19.	Ms R Shruthi Ms B Siva Lakshmi Ms M Srividhya	FPGA Implementation of medical image fusion using SPARTAN FPGA image processing kit	Dr.S.R.Malathi Professor
20.	Mr Anish Krishnan Mr A Diraj Mr K Gnanavel	Smart multifunctional shoe for enhanced mobility safety and sustainability	Ms. L.Anju Assistant Professor

21.	Ms A Shree Swetha Mr S Shyam Mr Stefanie M Olivia Mr S Tarun kumar	IoT Enabled alcohol detection and drivers health monitoring system	Ms.R.Kousalya Assistant Professor
22.	Mr P Santhosh	Digital forensics for documents forgery detection	Ms.S.Radhika Assistant Professor

### Department of Information Technology

S.No	Name the student(s)	Title of the Project	Name of the Mentor With Designation
1.	Ms ACharishma Reddy Mr S Mugilan Mr S Pragatheeshwar	Hedging using Hyperledger Fabric	Dr G Sumathi Professor
2.	Ms S Neha Ms R Rakshitha Mr A V Sanjay	Smart IoT powered Earthquake Detection with Machine Learning	Dr A Kala Associate Professor
3.	Ms A Raveena Ms D Saniya Ms S Yogitha	Cryptohealth: Reward driven Wellness with Blockchain and Wearables	Dr A Kala Associate Professor
4.	Mr Sri Harihara Sudhan Mr Sujith	Empowering Artistic expression interactive style image transfer using generative AI Techniques	Dr V Vidhya Professor and Head
5.	Ms T D Uma	A Neural Machine translation system for English-Sanskrit translation	Mr E Sivakumar Assistant Professor

### Department of Marine Engineering


S.No	Name the student(s)	Title of the Project	Name of the Mentor with Designation
S.No	Name the student(s)	Title of the Project	Name of the Mentor With Designation
1.	Mr E Gowtham Mr D Kishore Mr R Rajaragavan Mr V M Varun	Automation of Fire pump with Chain drive instead of Rope drive	Mr Karthik S Gopal Assistant Professor
2.	Mr V Mukesh Karthick Mr K Karthik Mr r Kathiravan Mr O N Akash	EcoMarine Rover: An Economical Robotic Boat for Plastic Waste Collection and Anti-Pollution Solutions	Mr V Gurusamy Associate Professor
3.	Mr D Parvendhan Mr G Athavan Mr Karthick Sathappan Mr Vishnuvarthan	Development of a Hand-held Welding Shield Using Natural Particulate Composites Derived from the Bio-Waste of Caesalpinia Bonducella Seed Shell Powder	Dr.G.Rameshkannan Assistant Professor

## Department of Mechanical Engineering

S.No	Name the student(s)	Title of the Project	Name of the Mentor With Designation
1.	Ahamed Mohideen Maluk Charan S.B Devaraj S	Metallurgical and Mechanical Characterization of Robotic CMT-Welded Inconel Alloy with Copper and optimizing the parameters using Machine Learning	Dr. M. Mohandass Associate Professor
2.	Gokulakrishnan S Gokul P Haribalan J	Enhanced thermal management in batteries with phase change materials (PCM) incorporated with Nano materials	Dr. M. Gajendiran Assistant Professor
3.	Arun Sundar M Kirithick K Kishore Kumar R	Design of Magnetic Suspension	Dr. S. Ponnuvel, Associate Professor
4	Lokesh N Nitheesh Raj S V Surya S J	Analysis of Mechanical Properties of 3D-Printed PLA-Glass Fiber Composites	Dr.V. Sridharan, Associate Professor
5	Lokesh. P Sanjay. P.S	Modular seeder machine for multi crop farming	Dr. K.S.Badrinathan Professor
6	Safiudeen S M.Roshan Krishna	Application of laser shock peening on 3D Printed copper electrode for spark EDM	Dr. A.Saravanan Assistant Professor
7	Adnan Kadher M Dhanussh R Jagdeesh Akhshai C	Impact of nozzle hole number on performance, emission characteristic of nano particle in biodiesel by dual fuel mode	Dr .P. Raghu Associate Professor
8	Tamilarasan R Maruthu pandi S Puthra Ganesh V	Experimental investigation of corrosion behavior of magnesium alloy using electrochemical corrosion study	Mr. J.Sivaramapandian Assistant Professor
9	Syed Abyan Bharudin Srinivas RJ	IOT enabled accident detection and reporting system	Dr. S. Gopinath Professor
10	Dharun Prakash Kavinirai Selvan N Arul murugan	Development and experimental analysis of oil and wastage recovery in sea with solar energy	Mr.M.Nishal Assistant Professor
11	Hari kiran M G Harishmadhavan S Indrakanth N R	Tribological Behaviour of Magnesium alloy AZ31B used in Total knee replacement applications	Dr.M.Premananth Associate Professor
12	A. Subash Chandra Bose S.Mohamed Ibrahim M.Monish ram	Autonomous Mobile Robot	Dr. S. Ramesh Babu H.O.D & Professor
13	Mohamed Uwais	Laser shock peening of Aluminium 6061alloy: effect of laser power density and beam diameter.	Dr.G.Grish Assistant Professor
14	Nithish.S Vignesh N.S	Mechanical Behaviour dynamic analysis of electric truck chassis made up of 3D printed carbon fibre beams	Dr. C. Senthamarai kannan Associate Professot

### Summary of Proposals Received

Dept	Number Project proposals submitted	Number of students	Number of mentors	Number of Projects Sanctioned
AUT	1	3	1	0
BIO	18	26	8	3
CHE	11	36	9	2
CVE	5	9	4	1
CSE	27	79	21	3
ADS	7	20	6	2
ECE	22	64	17	3
EEE	4	10	5	1
INT	5	13	4	1
MAR	3	12	3	1
MEC	14	37	14	3
<b>TOTAL</b>	<b>117</b>	<b>309</b>	<b>92</b>	<b>20</b>

  
 Dean (Research) 10/2/2025

Dr. R. Muthucumaraswamy, Ph.D.,  
 Dean (Research), Professor & Head  
 Department of Applied Mathematics  
 Sri Venkateswara College of Engineering  
 Pennalur, Sriperumbudur-602117.

  
 10/2/25  
 Principal

**Principal**  
 Sri Venkateswara College of Engineering  
 Pennalur, Sriperumbudur Tk-602 117  
 Tamilnadu, India.



An Autonomous Institution- Affiliated to Anna University

**INTRAMURAL INNOVATIVE FINAL YEAR UG PROJECTS**

**FOR THE ACADEMIC YEAR 2024-2025**

**ANNEXURE - II**

**List of final year UG Innovative projects selected for Intramural funding**

**(Seed Money for Final Year UG Projects)**

**Date:10/2/2025**

S. No	Dept.	Name of the Student	Title of the Project	Name of the supervisor with Designation	Amount Received
1.	BIO	Ms N Anushya Ms B Sulakshuna	A Synergistic Approach to Breast Cancer Treatment through Phytochemical Delivery by Liposomes	Mr. J Hariharan Assistant Professor	<b>Rs.10000</b>
2.	BIO	Mr Girish	Formulation of Natural neuroprotective and hepatoprotective compound for military personal operating in extreme conditions	Dr J Isaivani Assistant Professor	<b>Rs.10000</b>
3.	BIO	Mr K Gopikrishnan	Development of Nano-Polymer-Based Fatty Acid Emollients for Combating Fungal and Bacterial Skin Infections	Dr K Ganesh Prasath	<b>Rs.10000</b>
4.	CHE	Ms R Arthi Mr S Didar Hameed Mr M Haresh Babu	Nanoporous Cellulose acetate membrane casted with chitosan for flexible solid state sodium – ion batteries	Dr N P Kavitha	<b>Rs.10000</b>

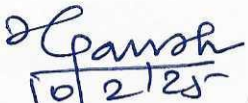
S. No	Dept.	Name of the Student	Title of the Project	Name of the supervisor with Designation	Amount Received
5.	CHE	Ms A Vedhavarshini Mr S Santhosh Kumar Ms B Sevvanthi	Synthesis of Zinc based Metal Organic Frameworks (MOF) adsorbent for SVCE Sewage water treatment	Dr G Manikandan Assistant Professor	Rs. 10000
6.	CVE	Mr S Aadeshwar Mr A S Kalicharan	Study of Effectiveness of Green corrosion inhibitors on mild Steel in preventing corrosion	Dr Ruby Freya Assistant Professor	Rs. 9500
7.	CSE-ADS	Ms M Gayathri Ms R N Sakthi Mr K B Sumaant	An AI-Powered Digitization for Regional Language Records.	Dr. V. Rajalakshmi Associate Professor	Rs. 9500
8.	CSE-ADS	Ms Raaga Ms J K Priya J K	LoRa-Based Emergency Communication System for Remote Regions.	Ms. S. Janani Assistant Professor	Rs. 9500
9.	CSE	Ms N Akshaya Ms P Dharshana Shri Ms S Harini	Wildlife Detection and Deterrence using Hybrid CRNN based Audio Analysis for Agriculture Protection.	Ms. Iyswarya R Assistant Professor	Rs.9500
10.	CSE	Ms R Dharani Narumugai Ms V Indhu Ms N Jaya Bharathi	Anti-Theft Solution for Ration Goods using Quantum Cryptography and Blockchain.	Ms R K Kapilavani Assistant Professor	Rs.8500
11	CSE	Ms Shree Harini Ms M Deekshitha Ms J Bhuvaneshwari Mr M S Sanjay Raj	Designing a secure and Transparent Faceless Registration System for Online sellers with Data Privacy and Security Compliance.	Ms. Rupa Kesavan Assistant Professor	Rs. 9000
12.	ECE	Mr Anish Krishnan Mr A Diraj Mr K Gnanavel	Smart multifunctional shoe for enhanced mobility safety and sustainability	Ms. L.Anju Assistant Professor	Rs. 9000
13.	ECE	Ms A Shree Swetha Mr S Shyam Ms Stefanie M Olivia Mr S Tarun kumar	IoT Enabled alcohol detection and drivers health monitoring system	Ms.R.Kousalya Assistant Professor	Rs. 9500

S. No	Dept.	Name of the Student	Title of the Project	Name of the supervisor with Designation	Amount Received
14.	ECE	Ms N G Arthiya Ms B Aruna Ms NS Bhuvaneshwari	Implementation Of Dual Band Mimo Flexible Millimeter Wave Antenna For Wearable Electronics Applications	Dr. S Vidhyashree Assistant Professor	Rs. 10000
15.	EEE	Mr S Harish Mr B Jaiganesh Mr M Kalanciyan	A Non isolated high voltage gain DC-DC converter for DC Micro-grid Application	Ms K Suganthi Assistant Professor Dr S S Sethuraman Associate Professor	Rs. 10000
16.	INT	Ms T D Uma	A Neural Machine translation system for English-Sanskrit translation	Mr E Sivakumar Assistant Professor	Rs. 9500
17.	MAR	Mr E Gowtham Mr D Kishore Mr R Rajaragavan Mr V M Varun	Automation of Fire pump with Chain drive instead of Rope drive	Mr Karthik S Gopal Assistant Professor	Rs. 10000
18.	MEC	Mr P Lokesh Mr P S Sanjay	Modular seeder machine for multi crop farming	Dr KS.Badrinathan Professor	Rs.10000
19.	MEC	Mr Dharun Prakash Mr N Kavimirai Selvan Mr Arul Murugan	Development and Experimental analysis of oil and wastage recovery in sea with solar energy	Mr M Nishal Assistant Professor	Rs. 10000
20.	MEC	Mr Mohamed Uwasis	Laser shock peening of Aluminium 6061 alloy: effect of laser power density and beam diameter	Dr G Girish Assistant Professor	Rs.10000
<b>TOTAL</b>					<b>Rs.193500</b>

(Rupees One Lakh ninety three thousand and five hundred only)

 10/2/2025  
Dr R Muthucumaraswamy, Dean (Research)

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