

IQAC Annual Report

Institution Name: *V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS*

Established: 2012

Academic Year: 2024–2025

Type: Autonomous

Affiliation: Anna University, Chennai

Approval: All India Council for Technical Education (AICTE)

Accreditation: NAAC A+; NBA-accredited programs

Location: NH-209 Coimbatore – Pollachi Road, Elur Pirivu, Solavampalayam Post,
Kinathukadavu, Coimbatore – 642109, Tamil Nadu, India

INSTITUTION VISION AND MISSION

Vision

- We endeavor to impart futuristic technical education of the highest quality to the student community and to inculcate discipline in them to face the world with self-confidence and thus we prepare them for life as responsible citizens to uphold human values and to be of services at large. We strive to bring up the Institution as an Institution of Academic excellence of international standard. Organizing workshops and seminars on quality-related themes to foster a culture of quality across departments and functional units

Mission

- We transform persons into personalities by the state-of-the-art infrastructure, time consciousness, quick response and the best academic practices through assessment and advice.

Quality Policy

V.S.B. College of Engineering strives to achieve academic excellence by futuristic outlook in the fields of Engineering and Technology in a well-disciplined environment through

- Commitment to continual improvement in all areas
- Upgradation of infrastructure and human resources
- Involvement of people at all levels
- Upgradation of infrastructure and human resources

IQAC VISION AND MISSION

Vision:

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives..

Mission:

- *To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;*
- *To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;*
- *To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- *To undertake quality-related research studies, consultancy and training programmes, and*
- *To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

Objectives of IQAC:

The Internal Quality Assurance Cell (IQAC) at VSB College of Engineering Technical Campus is dedicated to fostering a culture of continuous quality improvement. Our primary objectives are to:

- **Sustain & Enhance Quality:** Develop and implement mechanisms for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution.
- **Promote Best Practices:** Facilitate the internalization of a quality culture and institutionalization of best practices across all functions of the college.
- **Ensure Feedback & Compliance:** Establish and operate systems for collecting and acting on stakeholder feedback, and ensure timely submission of quality assurance reports (like AQAR) as per regulatory norms.

Core Functions of IQAC

The Internal Quality Assurance Cell (IQAC) at VSB College of Engineering Technical Campus is primarily responsible for:

- **Establishing Quality Benchmarks:** Developing and applying quality benchmarks/parameters for various academic and administrative activities of the institution.
- **Driving Quality Initiatives:** Facilitating the creation of a learner-centric environment and promoting the adoption of best practices, including innovative teaching-learning methods and faculty development.
- **Stakeholder Feedback & Audit:** Systematically collecting, analyzing, and acting upon feedback from all stakeholders, and coordinating periodical academic and administrative audits and their follow-up.
- **Documentation & Reporting:** Maintaining an institutional database (MIS) for quality purposes and preparing the Annual Quality Assurance Report (AQAR) for submission to NAAC.
- **Quality Promotion & Dissemination:** Acting as the nodal agency for all quality-related activities, organizing workshops/seminars, and disseminating information on quality parameters across the institution.

IQAC Composition and Activities

- IQAC Composition (2024–25):**

S.No.	Name	Designation	Position
1	Mr.V.S.Balsamy	Managing Trustee/ Chairman	Management Member
2	Mrs. Indirani B	Trustee	
3	Mr. Satheesh Kumar B	Vice Chairman	
4	Mr. Vijay B	Secretary	
5	Dr. Velmurugan V	Principal	Chairperson
6	Dr. Raju R	Vice Principal	Senior Administrative officers
7	Dr. Kalaikumaran T	HOD / CSE	
8	Dr. Murugadoss R	HOD / AI&DS	
9	Dr. Rameshkumar M	HOD / IT	
10	Dr. Venkatajalapathy T	HOD / MEC	
11	Dr. Muthukumaran N	HOD / CIVIL	
12	Mrs. Latha P	HOD / ECE	
13	Mrs. Suvathipriya S	HOD /AGRI	
14	Mrs. Radha V	HOD / CSE	
15	Mr. Velmurugan T	HOD / EEE	
16	Dr. Banu G	Professor / EEE	Faculty Members to Represent all Level
17	Dr. Divya S V	Professor / CSE	
18	Dr. Rinesh S	ASP / CSE	
19	Dr. Peter Dominic Ryan	Professor / English	
20	Mrs. Jebaranjani B	AP/ AI&DS	
21	Mrs. Sindhu U L	AP / IT	
22	Mrs. Nithya G	AP / CSE	
23	Mr. Karthikeyan V	AP / AECH	
24	Mrs. Yamuna R	AP / EEE	
25	Mrs. Sindhu A	AP / ECE	
26	Mrs. Devaki R	AP / CIVIL	

27	Miss. Dhanya R	III- B.Tech IT - Student	Student Nominee
28	Mr. Sarjeeth S	III- B.Tech IT - Student	
29	Mr. Rithin George B	Alumni, 2016 – 20	Alumni Nominee
30	Ms. Srinanthini P	Alumni, 2012 – 16	
31	Ms Nancy T P	HR, Cognizant	Nominee from Employer / Industrialist / Stakeholder
32	T. Janaki Kamatchi	Associate Consultant, Capemini	
33	Mr. Lavanam Amballa	Senior Manager, Wipro Ltd.	
34	Dr. Shamia D	ASP / ECE	IQAC Coordinator

IQAC Meeting:

IQAC Meeting Dates: AY 2024–25

Meeting No.	Date	Type
Meeting 1	04.07.2024	Annual IQAC Meeting
Meeting 2	07.03.2025	Internal Review Meeting

• Notable Quality Initiatives Taken:

- Implemented Outcome-Based Education (OBE) with CO-PO attainment tracking.
- Conducted internal Academic and Administrative Audits periodically.
- Organized FDPs and training on OBE, ICT tools, and quality processes.
- Collected and analyzed stakeholder feedback with action taken reports.
- Ensured timely AQAR preparation and submission.
- Supported accreditation activities (NAAC/NBA).
- Supported AICTE approval and Anna University affiliation processes.
- Achieved 3.5 Star Rating from Institution's Innovation Council (IIC) for AY 2023–24.
- SIRO Registration process is in progress to enhance research recognition.

QUALITY INITIATIVES

Autonomous Status

The University Grants Commission (UGC) has conferred autonomous status to V.S.B. College of Engineering Technical Campus, Coimbatore for a period of ten (10) years, from the Academic Year 2023–2024 to 2032–2033, as per Clause 7.5 of the *UGC (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023*.

In line with this, Anna University has approved the conferment of *Autonomous Status* to V.S.B. College of Engineering Technical Campus for a period of ten (10) years commencing from the Academic Year 2023–2024.

Implementation of the autonomous system has commenced from the Academic Year 2024–2025.

Institution innovation council

The **Institution's Innovation Council (IIC)** at V.S.B. College of Engineering Technical Campus, Coimbatore, achieved a **3.5-star rating** for the Academic Year 2023–2024 from the Ministry of Education's Innovation Cell, Government of India. This recognition highlights the council's ongoing commitment to cultivating a strong culture of **innovation and entrepreneurship** on campus. Throughout the IIC calendar year 2023–24, the council diligently organized a variety of innovation and start-up focused activities, as mandated by the Innovation Cell, with the goal of nurturing creative thinking and actively supporting student-led innovations.



I. Academic Activities

1.1 Syllabus Review and Implementation

IQAC played a central role in initiating and recording feedback-driven syllabus revisions through structured stakeholder consultations.

Details:

- **Board of Studies (BoS) Meetings:**
 - Proposed revisions and new course suggestions from the DACs are presented to the respective Board of Studies (BOS) for each program
 - Two Board of Studies (BoS) meetings were held during the Academic Year 2024–2025 across all departments to thoroughly discuss, deliberate, and finalize the proposed syllabus changes. External subject matter experts and industry representatives are vital members of the BOS, ensuring industry relevance.
 - Participation from industry experts, alumni, academic representatives, and IQAC nominees ensured inclusivity.

Information and Communication Engineering

Department of CSE, IT & AI&DS

First BoS Meeting was held on 20th July 2024

Second BoS Meeting was held on 07th February 2025

Department of Agricultural Engineering & Civil Engineering

First BoS Meeting was held on 8th May 2024

Second BoS Meeting was held on 25th January 2025



Department of Electronics and Communication Engineering

First BoS Meeting was held on 08th May 2024

Second BoS Meeting was held on 25th January 2025



Department of Electrical and Electronics Engineering

First BoS Meeting was held on 4th May 2024.

Second BoS Meeting was held on 22nd January 2025.



Department of Mechanical Engineering

First BoS Meeting was held on 4th May 2024

Second BoS Meeting was held on 24th January 2025



- **1.2 Syllabus Review and Implementation**
- **Academic Council Meeting:**
 - The revised syllabi, approved by the respective Boards of Studies, are then presented to the Academic Council of VSB College of Engineering Technical Campus for final approval and ratification.
 - The Academic Council, in its meeting on 26-07-2024, provided institutional oversight, ensuring interdisciplinary coherence and alignment with the college's vision and mission.
 - Key Approvals: New electives, modified assessment patterns, and inclusion of case-based learning in core courses.



- **Feedback Integration:**

- IQAC collected and analyzed structured feedback from 750+ students, 50+ faculty members, and select employers.
- Based on the analysis, specific gaps in curriculum were addressed (e.g., soft skill gaps, coding practice, and industry exposure).

1.2 Seminars and Workshops

IQAC collaborated with departments to plan, document, and assess the impact of academic events. These events aimed to enhance subject knowledge, industry awareness, and research interest.

Type of Event	Total Number Organized
Expert Talk / Mentoring Sessions / Seminars / Webinars	54
Workshops	10
Idea Competition/ Challenge / Hackathon	11
Total	75



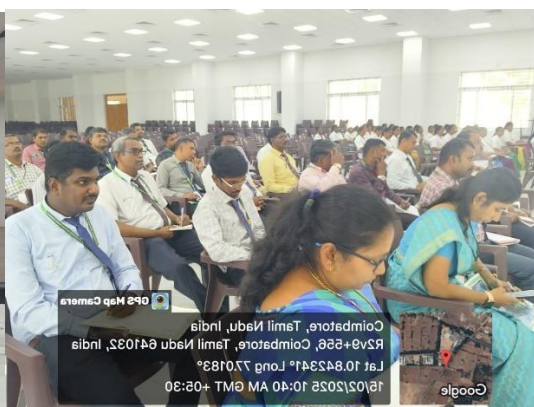
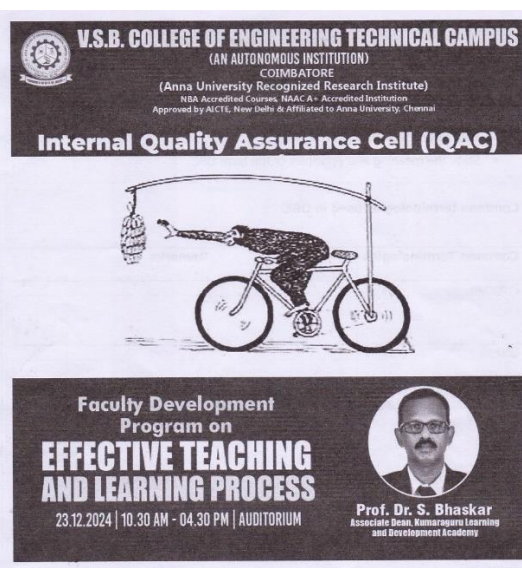
II. Faculty Development

VSB College of Engineering Technical Campus recognizes that continuous faculty development is crucial for maintaining high academic standards and fostering an innovative learning environment. During the academic year [Insert Academic Year, e.g., 2024-2025], significant emphasis was placed on empowering faculty members through various training and development initiatives.

a. Participation in FDPs:

Faculties across all departments actively participated in various Faculty Development Programs (FDPs). These programs aimed at enhancing their subject matter expertise, pedagogical skills, research capabilities, and overall professional growth.



- **Consolidated Count of Faculty Participations in FDPs:** 100+ participations.



Impact of Participation:

- Enhanced faculty expertise in specialized and emerging domains.
- Improved pedagogical approaches and teaching methodologies.
- Updated knowledge on industry trends and requirements.
- Strengthened research capabilities and inclination towards interdisciplinary research.
- Fostered a culture of continuous learning and professional development.

◆ Faculty also completed **60+ NPTEL courses** with Elite/Gold certifications during the year.



Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
F THEOPHILUS
for successfully completing the course


Introduction to Internet of Things

with a consolidated score of **90** %




Online Assignments	23.75/25	Proctored Exam	66/75
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Total number of candidates certified in this course: 33131


Jul-Oct 2024
(12 week course)




Indian Institute of Technology Kharagpur




Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



FREE ONLINE EDUCATION
swayam
Bharat Shiksha, Jeevan Vikas

Roll No: NPTEL24CS115S752402904 To verify the certificate  No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PARTHIBAN N
for successfully completing the course

Power Plant System Engineering

with a consolidated score of **87** %

Online Assignments	22.78/25	Proctored Exam	63.9/75
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Total number of candidates certified in this course: 85

Jan-Apr 2024
(12 week course)



Indian Institute of Technology Guwahati



Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



FREE ONLINE EDUCATION
swayam
Bharat Shiksha, Jeevan Vikas

Roll No: NPTEL24ME57S1153801176 To verify the certificate  No. of credits recommended: 3 or 4

b. Internal Training Sessions

To strengthen institutional teaching-learning practices and digital competence, the following in-house faculty training programs were organized by IQAC in collaboration with departments:

Intellectual Property Rights (IPR) and Patent Filing:

- **Objective:** To create awareness among students and faculty about intellectual property rights (IPR), patenting procedures, copyrights, and industrial design, thereby encouraging them to protect their innovations.
- **Sessions Conducted:** 4.

V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS
(AN AUTONOMOUS INSTITUTION)
COIMBATORE

NIPAM
NATIONAL IP AWARENESS MISSION

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ORGANIZES

In association with
Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM)
Government of India, Nagpur
(Under National Intellectual Property Awareness Mission)

ONLINE SEMINAR ON
"INTELLECTUAL PROPERTY RIGHTS (IPR) PATENTS AND DESIGN FILING"

Dr. BHARAT N SURYAWANSHI
ASSISTANT CONTROLLER OF PATENTS & DESIGNS AT MINISTRY OF COMMERCE & INDUSTRY

18-02-2025 | 11.00 A.M- 12.00 P.M. | AUDITORIUM

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Shri. V.S.BALSAMY B.Sc., LLB., Founder & Chairman
Shri. B. SATHEESH KUMAR B.E., Vice Chairman
Shri. B. VIJAY B.A,B.L, Secretary

V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS
(An Autonomous Institution)
Coimbatore - 642109

(ANNA UNIVERSITY RECOGNIZED RESEARCH INSTITUTE)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
NBA Accredited Courses/NAAC Accredited Institution

INSTITUTION'S INNOVATION COUNCIL (IIC)
IN ASSOCIATION WITH
DEPARTMENT OF CIVIL/AGRI & MECHANICAL ENGINEERING ORGANIZES

A Webinar on
"INTELLECTUAL PROPERTY RIGHTS (IPR), PATENTS AND DESIGN FILING"

Date :03-09-2024
Time : 12.00 PM

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Dr. Bharat N Suryawanshi
Assistant. Controller of Patents & Designs
RGNIPM Nagpur

Shri. V.S.BALSAMY Chairman
Shri. B. SATHEESH KUMAR Vice Chairman
Shri. B. VIJAY Secretary
Dr.V. Valmurugan Principal

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ONLINE SEMINAR ON
"INTELLECTUAL PROPERTY RIGHTS (IPR) PATENTS AND DESIGN FILING"

Dr. BHARAT N SURYAWANSHI
ASSISTANT CONTROLLER OF PATENTS & DESIGNS AT MINISTRY OF COMMERCE & INDUSTRY

29-04-2025 | 11.00 AM TO 12.00 PM | AUDITORIUM

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Shri. V.S.BALSAMY B.Sc., LLB., Founder & Chairman
Shri. B. SATHEESH KUMAR B.E., Vice Chairman
Shri. B. VIJAY B.A,B.L, Secretary

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NIPAM
NATIONAL IP AWARENESS MISSION

DEPARTMENT OF INFORMATION TECHNOLOGY ORGANIZES

In association with
Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM)
Government of India, Nagpur
(Under National Intellectual Property Awareness Mission)

ONLINE WORKSHOP ON
"INTELLECTUAL PROPERTY RIGHTS (IPR) PATENTS AND DESIGN FILING"

SHRI KUMAR RAJU, M.TECH.
ASSISTANT CONTROLLER OF PATENTS & DESIGNS AT RGNIPM, NAGPUR

25-03-2025 | 02.00 P.M- 03.00 P.M. | AUDITORIUM

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Shri. V.S.BALSAMY B.Sc., LLB., Founder & Chairman
Shri. B. SATHEESH KUMAR B.E., Vice Chairman
Shri. B. VIJAY B.A,B.L, Secretary

c. Innovation Ambassador:

21 faculty members registered Innovation ambassador Training Program for the academic year 2024-25, These students have successfully completed various levels of the Innovation Ambassador training program

Foundation Training: Ongoing 12



Advanced training: 2 Completed



Re-Skilling: 6 Completed



Up-Skilling: 1 Completed



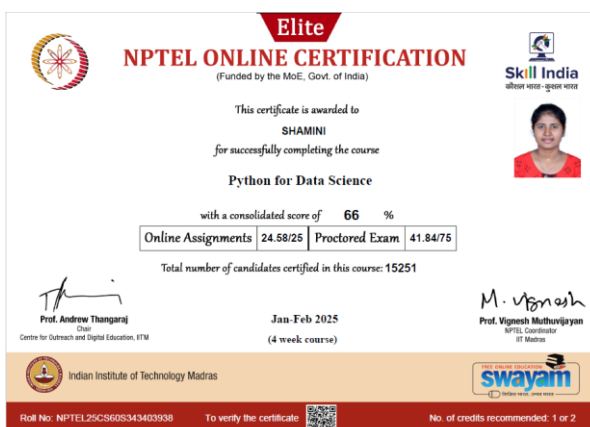
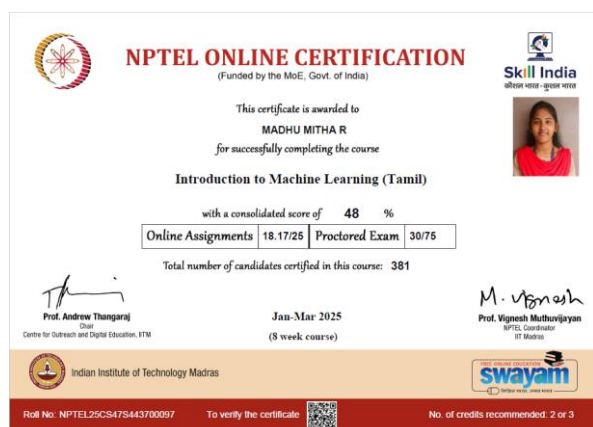
III. Student Enrichment Programmes

VSB College of Engineering Technical Campus is committed to providing a holistic educational experience that extends beyond the regular curriculum. A variety of student enrichment programs were organized during the academic year [Insert Academic Year, e.g., 2024-2025] to enhance student learning, skill development, and overall personality development.

a. Value-added Courses

To improve employability and domain-specific skills, various **Value-added and Certification Courses** were offered in coordination with departments and external partners.

Particulars	Details
Total Value-Added / Certification Courses	100+
Average Duration per Course	30–40 hours
Delivery Mode	Hybrid / Online
Participants	Over 680 students
Partners /Platforms	NPTEL, IIT Spoken Tutorial, IIC Video Tutorial, Internal faculty experts



IV. Student Support & Progression

VSB College of Engineering Technical Campus is dedicated to ensuring the holistic growth and successful career progression of its students. This section highlights the various initiatives undertaken during the academic year 2024-2025 to support students in their placements, higher education pursuits, and overall well-being.

a. Innovation Ambassador:

We've nominated **four students** to participate in the Innovation Ambassador training for the academic year 2024-25. These students have successfully completed various levels of the Innovation Ambassador training program

Re-Skilling Training



Foundation Level Basic Training



b. Yukti Challenges:

For the Academic Year 2024-25, 18 students have successfully registered in the Yukti National Innovation Repository. Out of these, 15 innovative ideas have been recommended for Yukti 2025.

Sr. No.	Innovation ID	Innovation Title	FY of Development	Team Lead Details	Avg. Score	Status
1	IR2025-970260	Secure iBeacon-Enabled IoT Framework for Women's Safety with Real-Time Threat Detection TRL Title - TRL 2	2024-25	MANIKANDAN M Student 723723106050	89	Recommended
2	IR2025-971763	13. Real-Time Dementia Surveillance and Early Detection Through Continuous Monitoring TRL Title - TRL 2	2024-25	Nikita. T Student 723723106061	87.67	Recommended
3	IR2025-971922	Smart Garbage Management System: A Sustainable solution for urban cleanliness through IoT and sensor placed automation TRL Title - TRL 1	2024-25	Dharun Raj S Student 723723106019	85.67	Recommended
4	IR2025-972278	Development of Bioplastics from Renewable Agricultural Waste Materials TRL Title - TRL 1	2024-25	Abenaya.G Student 723723106003	85.33	Recommended
5	IR2025-972291	Hydro Scan: IoT and LORA-Powered Water Quality Monitoring and Management System TRL Title - TRL 2	2024-25	Nishandhinee. P Student 723723106063	88	Recommended
6	IR2025-972303	An Automated Cleaning Mechanism for Improving Solar Panel Energy Efficiency and Ensuring Optimal Power Output in Renewable Energy Systems TRL Title - TRL 3	2024-25	B.Akshaya Student 723723106008	86.67	Recommended

Sr. No.	Innovation ID	Innovation Title	FY of Development	Team Lead Details	Avg. Score	Status
7	IR2025-972350	Transforming Plastic and Construction Waste into Durable Eco-Bricks for Environmental Conservation TRL Title - TRL 2	2024-25	Sankar E Student 723723106080	89	Recommended
8	IR2025-972352	Drone-Based Crop Health Monitoring System Using Multispectral Imagery and AI-Driven Analysis for Precision Agriculture TRL Title - TRL 1	2024-25	Aathithyan K Student 723723106002	84.33	Recommended
9	IR2025-972399	Able cart: Smart Shopping System with AI for enhanced accessibility for physically challenged individuals TRL Title - TRL 2	2024-25	Madhavan T Student Student	83.33	Recommended
10	IR2025-972402	Smart Sanitation: A Self-Sustaining IoT-Based Public Restroom Monitoring System TRL Title - TRL 3	2024-25	Vanji Muthu P Student 723723106099	88.33	Recommended
11	IR2025-972418	A Hybrid IoT and AI-Based Swarm Robotics Framework for Earthquake Disaster Management and Public Safety Applications TRL Title - TRL 1	2024-25	JAISHA M Student 723723106034	86.67	Recommended
12	IR2025-972444	AI-Powered Diabetic Retinopathy Detection Tool Using Retinal Imaging and Convolutional Neural Networks (CNNs) TRL Title - TRL 1	2024-25	Blessy.B Student 723723106017	90.67	Recommended
13	IR2025-972452	Real-Time Adaptive Diet Planning Using Machine Learning and Continuous Biometric Monitoring via	2024-25	TREYA SRI. M Student 723723106097	88.33	Recommended

Sr. No.	Innovation ID	Innovation Title	FY of Development	Team Lead Details	Avg. Score	Status
		Wearable Sensors TRL Title - TRL 1				
14	IR2025-973202	Deep Learning-Driven Early Diagnosis System for Coronary Artery Disease TRL Title - TRL 2	2024-25	Subakeerthana. K Student 723723106091	87	Recommended
15	IR2025-973260	Intelligent Troop Location Tracking and Monitoring System Over Defense Networks Using LORA and Blynk TRL Title - TRL 1	2024-25	Naveena. M Student 723723106060	84.67	Recommended

V. Research, Innovation & Consultancy

a. Patents Filed / Granted

To encourage innovation and intellectual property generation, faculty and students filed patents in various engineering domains.

S.NO	APPLICANT/S NAME	PATENT TITLE	INVENTOR/S NAME	PATENT APPLICATION NUMBER	PATENT STATUS	DATE OF PUBLICATION
1	1)DR. R. MURUGADOSS 2) MRS.V MURUGALAKSHMI 3) MRS.D S JAYAKUMARI 4)MS.D JEEVITHA 5)KUMARA GURU S V 6)STANIS JEB A J 7)SRIVIMAL M 8)AURLIAN J	DRIVER SOMNOLENCE & LETHARGY DETECTION MODEL BASED ON EYES & FACIAL MOVEMENT USING OPENCV LIBRARY	1)DR. R. MURUGADOSS 2)MRS.V MURUGALAKSHMI 3)MRS.D S JAYAKUMARI 4)MS.D JEEVITHA 5) KUMARA GURU S V 6)STANIS JEB A J 7)SRIVIMAL M 8)AURLIAN J	202541023106	PUBLISHED	28-03-2025
2	1)P VENKADESH 2)MRS.G.NITHYA 3)PHILIP DANIEL D 4)PRAVEENKUMAR V 5)SURYAKUMAR V 6)MRS.JEBARANJANI.B 7)MS.D.JEEVITHA 8)DR.S.V.DIVYA 9)MRS.V.MURUGALAKSHMI 10)MRS.D.S.JAYAKUMARI	MULTI-MODAL DEEP LEARNING FRAMEWORK FOR MALPRACTICE DETECTION IN VIRTUAL EXAMS USING YOLOV5	1)P VENKADESH 2) MRS.G.NITHYA 3)PHILIP DANIEL D 4)PRAVEENKUMAR V 5)SURYAKUMAR V 6)MRS.JEBARANJANI.B 7)MS.D.JEEVITHA 8)DR.S.V.DIVYA 9)MRS.V.MURUGALAKSHMI 10)MRS.D.S.JAYAKUMARI	202541018225	PUBLISHED	14-03-2025
3	DR.P.VENKADESH	AI POWERED INTRUSION DETECTION SYSTEM(IDS) FOR SMART HOMES	DR.P.VENKADESH	202541043002	PUBLISHED	30//05/2025
4	DR.P.VENKADESH MRS.M.D. NARMADHA	DESIGN AND IMPLEMENTATION OF A RASPBERRY PI-BASED SMART COFFEE MAKER	DR.P.VENKADESH MRS.M.D. NARMADHA	202541046966	PUBLISHED	30//05/2025
5	DR.P.VENKADESH MRS.KOHILA	BLOCKCHAIN-BASED VOTING SYSTEM FOR SECURE ELECTIONS	DR.P.VENKADESH MRS.KOHILA	202541047067	PUBLISHED	30//05/2025
6	DR.P.VENKADESH MRS.T. HEMALATHA	HEART DISEASE PREDICTION USING AI&ML	DR.P.VENKADESH MRS.T. HEMALATHA	202541045279	PUBLISHED	30//05/2025
7	DR.P.VENKADESH DR.S.V.DIVYA	HYBRID CONVOLUTIONAL NEURAL NETWORK INTEGRATED WITH FEDERATED LEARNING AND BAYESIAN OPTIMIZATION (HCNNFLB) TECHNIQUE	DR.P.VENKADESH DR.S.V.DIVYA	202541046604	PUBLISHED	30//05/2025
8	DR.P.VENKADESH DR.S.V.DIVYA	IOT-BASED SMART GREENHOUSE FRAMEWORK AND CONTROL STRATEGIES FOR SUSTAINABLE AGRICULTURE	DR.P.VENKADESH DR.S.V.DIVYA	202541046436	PUBLISHED	30//05/2025
9	DR.P.VENKADESH	FRAUD DETECTION IN VOTING SYSTEM USING HYBRID BIOMETRIC SCANNER	DR.P.VENKADESH	202541037560	PUBLISHED	09-05-2025
10	DR.P.VENKADESH	AI POWERED DEEPPFAKE DETECTION FOR SECURE GOOGLE MEET AUTHENTICATION	DR.P.VENKADESH	202541034892	PUBLISHED	09-05-2025

11	DR.P.VENKADESH	ADVANCED IOT-BASED AUTOMOTIVE ACCIDENT DETECTION AND INTIMATION SYSTEM FOR ENHANCED EMERGENCY RESPONSE AND SAFETY	DR.P.VENKADESH	202541019927	PUBLISHED	21-03-2025
12	DR.P.VENKADESH	ARDUINO BASED INTELLIGENT LIGHT CONTROL SYSTEM USING ZIGBEE AND HAND GESTURE	DR.P.VENKADESH	202541021760	PUBLISHED	21-03-2025
13	1) P VENKADESH 2)JAYAPRATHAP. P 3)DEEPAK KUMAR K 4)ARAVINDH R 5)JEEVANANDHAM N 6)MONAL.PON 7)RISHVAN.R.K 8)THANGA KUMARAN.S 9)PRASANTH.C 10)NAVEEN KARTHIK.M	AN AI HYBRID MODEL FOR ROAD ACCIDENT DETECTION BASED ON YOLO AND CNN ALGORITHM	1) P VENKADESH 2)JAYAPRATHAP. P 3)DEEPAK KUMAR K 4)ARAVINDH R 5)JEEVANANDHAM N 6)MONAL.PON 7)RISHVAN.R.K 8)THANGA KUMARAN.S 9)PRASANTH.C 10)NAVEEN KARTHIK.M	202541021760	PUBLISHED	21-03-2025
14	1) P VENKADESH, 2) KARUNYA L S 3) DHANUSHYA M 4) MONICA HIRIN M 5) K.JAYASHREE 6) M. HEMAPRIYA 7) P.K. AGNEYA 8) A.KOKILADEVI 9) V.AISWARYA	DEEP LEARNING BASED BRAIN STROKE DETECTION SYSTEM ON CT IMAGES USING CNN AND FEDERATED LEARNING	1) P VENKADESH, 2) KARUNYA L S 3) DHANUSHYA M 4) MONICA HIRIN M 5) K.JAYASHREE 6) M. HEMAPRIYA 7) P.K. AGNEYA 8) A.KOKILADEVI 9) V.AISWARYA 10) A.KAVIYA	202541021068	PUBLISHED	21-03-2025
15	1)THEOPHILUS F 2)SAI HAREESH S 3)SARAVANAVEL A 4)SANJAI KRISHNAN S 5)SANJAI R 6)SATHWIK N 7)SARAVANARAJA M 8)PREM A S 9) SHAKE SHAGUL A 10)NANDHA KUMAR S	AI-OPTIMIZED EQUITABLE BUDGET ALLOCATION (AI-EBA) FOR REDUCING INCOME INEQUALITY IN INDIA	1)THEOPHILUS F 2)SAI HAREESH S 3)SARAVANAVEL A 4)SANJAI KRISHNAN S 5)SANJAI R 6)SATHWIK N 7)SARAVANARAJA M 8)PREM A S 9) SHAKE SHAGUL A 10)NANDHA KUMAR S	202541017634	PUBLISHED	14-03-2025
16	1)THEOPHILUS F 2)DR.P.VENKADESH 3)SANJAY L 4)CHANDRU S 5)PRAVEEN S	A USER FRIENDLY LLM-POWERED LEETCODE VISUALIZATION TO ENHANCE LEARNING	1)THEOPHILUS F 2)DR.P.VENKADESH 3)SANJAY L 4)CHANDRU S 5)PRAVEEN S	202541022078	PUBLISHED	21-03-2025
17	DR.P.VENKADESH	VIRTUAL MOUSE FOR AMPUTEE USING COMPUTER VISION	DR.P.VENKADESH	202541021603	PUBLISHED	21-03-2025
18	1)P VENKADESH 2)MRS.G. NITHYA 3)MUKILAN M 4)MUTHU ALIAS RANJITH KUMAR 5)ADITHYA MAHRAJ K	IMPROVING SENTIMENT ANALYSIS THROUGH THE INTEGRATION OF BIDIRECTIONAL ENCODER REPRESENTATIONS FROM TRANSFORMERS (BERT) AND GRAPH NEURAL NETWORKS (GNNS)	1)P VENKADESH 2)MRS.G. NITHYA 3)MUKILAN M 4)MUTHU ALIAS RANJITH KUMAR 5)ADITHYA MAHRAJ K	202541019457	PUBLISHED	21-03-2025

19	1) K. MURUGALAKSHMI 2)MRS. D. S. JAYAKUMARI 3)MS. M. ABERNAKUMARI 4)MS. D. JEEVITHA 5)MR. S. SOUNDHAR 6)MRS. NITHYA 7)MRS. B. JEBA RANJANI 8)DR. P. VENKADESH 9)DR. R. MURUGADOSS 10)MR. J. BALAJI 11. GOPINATH T 12. JESSO P 13. SURESH RAJA T	TRUTHCHAIN: DECENTRALIZED NEWS VERIFICATION SYSTEM	1) K. MURUGALAKSHMI 2)MRS. D. S. JAYAKUMARI 3)MS. M. ABERNAKUMARI 4)MS. D. JEEVITHA 5)MR. S. SOUNDHAR 6)MRS. NITHYA 7)MRS. B. JEBA RANJANI 8)DR. P. VENKADESH 9)DR. R. MURUGADOSS 10)MR. J. BALAJI 11. GOPINATH T 12. JESSO P 13. SURESH RAJA T	202541021188	PUBLISHED	21-03-2025
20	1) K. MURUGALAKSHMI 2)MRS. D. S. JAYAKUMARI 3)MS. M. ABERNA KUMARI 4)MS. D. JEEVITHA 5)MRS. G. NITHYA 6)MRS. B. JEBA RANJANI 7)MR. S. SOUNDHAR 8)DR. P. VENKADESH 9)DR. R.MURUGADOSS 10)MR. J. BALAJI 11. AGEILAN K 12. KISHORE K 13. ALDEN C S	INTELLIGENT DYNAMIC CODE ANALYSIS USING LARGE LANGUAGE MODELS	1) K. MURUGALAKSHMI 2)MRS. D. S. JAYAKUMARI 3)MS. M. ABERNA KUMARI 4)MS. D. JEEVITHA 5)MRS. G. NITHYA 6)MRS. B. JEBA RANJANI 7)MR. S. SOUNDHAR 8)DR. P. VENKADESH 9)DR. R.MURUGADOSS 10)MR. J. BALAJI 11. AGEILAN K 12. KISHORE K 13. ALDEN C S	202541020967	PUBLISHED	21-03-2025
21	DR.P.VENKADESH	VISION TRANSFORMER- BASED CONTEXT-AWARE IMAGE CAPTIONING SYSTEM WITH TRANSFORMER DECODER INTEGRATION	DR.P.VENKADESH	202541020672	PUBLISHED	21-03-2025
22	1)JEEVITHA D 2)MRS.B.JEBARANJANI 3)MRS.G.NITHYA 4)MRS.V.MURUGALAKSHMI 5)MRS.D.S.JAYAKUMARI 6)DR.R.MUGUGADOSS 7)DR.P.VENKADESH 8)MR.F.THEOPHILUS 9) MS.M.MAHALAKSHMI 10)MS.D.SHALINI 11) MS.P.PRASITHA	EARLY-STAGE OVARIAN CANCER PREDICTION AND REDUCING RECURRENCE	1)JEEVITHA D 2)MRS.B.JEBARANJANI 3)MRS.G.NITHYA 4)MRS.V.MURUGALAKSHMI 5)MRS.D.S.JAYAKUMARI 6)DR.R.MUGUGADOSS 7)DR.P.VENKADESH 8)MR.F.THEOPHILUS 9) MS.M.MAHALAKSHMI 10)MS.D.SHALINI 11) MS.P.PRASITHA	202541021182	PUBLISHED	21-03-2025
23	DR.P.VENKADESH	BLOCKCHAIN TECHNOLOGY FOR AUTHENTIC PRODUCT IDENTIFICATION	DR.P.VENKADESH	202541020097	PUBLISHED	21-03-2025
24	1) P VENKADESH 2)MS.M.ABERNAKUMARI 3)GODWIN AF 4)IRFAN C 5)ROSHAN KUMAR S	SOCIAL MEDIA AIDED E- COMMERCE DYNAMIC PRICING SYSTEM USING NLP AND GPT-3.5	1) P VENKADESH 2)MS.M.ABERNAKUMARI 3)GODWIN AF 4)IRFAN C 5)ROSHAN KUMAR S	202541021614	PUBLISHED	21-03-2025
25	DR.P.VENKADESH	A PROACTIVE APPROACH FOR GAS LEAKAGE DETECTION IN VEHICLES USING NODEMCU INTEGRATED WITH IOT	DR.P.VENKADESH	202541017612	PUBLISHED	14-03-2025
26	DR.P.VENKADESH	HYBRINOX: HYBRID ELECTRIC VEHICLE WITH SMART FUEL SWITCHING USING IOT	DR.P.VENKADESH	202541016688	PUBLISHED	07-03-2025

27	1)P VENKADESH 2)DR.S.V.DIVYA 3)N.VISHAL 4)U.N.SANJAY 5)S.SOWMIYAN 6)B.SUDARSON 7)P.PRAVEEN 8)S.SEBIN 9)M.VELMARIAPPAN 10)M.SUDHAN	SMART DUSTBIN SYSTEM WITH AUTOMATED DUST COLLECTION, WASTE MANAGEMENT, AND IOT INTEGRATION	1)P VENKADESH 2)DR.S.V.DIVYA 3)N.VISHAL 4)U.N.SANJAY 5)S.SOWMIYAN 6)B.SUDARSON 7)P.PRAVEEN 8)S.SEBIN 9)M.VELMARIAPPAN 10)M.SUDHAN	202541009764	PUBLISHED	21-02-2025
28	DR.P.VENKADESH	OPTIMIZING CYBER DEFENSE BY INTEGRATING SNORT WITH DARKTRACE FOR ENHANCED THREAT ANALYSIS	DR.P.VENKADESH	202441072602	PUBLISHED	04-10-2024
29	DR.P.VENKADESH DR.S.V.DIVYA	HYBRID NETWORK INTRUSION DETECTION FRAMEWORK USING CNN-BASED ENSEMBLE CLASSIFIER WITH WIRESHARK AND HONEYPOT	DR.P.VENKADESH DR.S.V.DIVYA	202441066485	PUBLISHED	13-09-2024
30	DR.P.VENKADESH	REMOVAL OF PB (II) ION IN RADIATOR MANUFACTURING EFFLUENTBY CASSIA FISTULA SEED BIOCHAR	DR.P.VENKADESH	202441059250	PUBLISHED	09-08-2024
31	MR.S SOUNDHAR, DR.P.VENKADESH	FARMER BOT FOR YIELD PREDICTION AND FERTILIZER RECOMMENDATIONS	MR.S SOUNDHAR, DR.P.VENKADESH	202441057830	PUBLISHED	02-08-2024
32	DR. R. MURUGADOSS	ARTIFICIAL INTELLIGENCE BASED WATER PURIFICATION SYSTEM TO SUPPLY DRINKING WATER WITH RIGHT NUTRIENTS	DR. R. MURUGADOSS	202441057879	PUBLISHED	02-08-2024
33	MRS.D.S.JAYAKUMARI	DETECTING ALZHEIMER'S DISEASE USING INTEGRATED ML AND DL ALGORITHMS	MRS.D.S.JAYAKUMARI	202441067499	PUBLISHED	13-09-2024
34	MRS.K MURUGALAKSHMI	ADVANCED AD-HOC NETWORKING SECURITY: LEVERAGING AI ALGORITHMS FOR ENHANCED PROTECTION	MRS.K MURUGALAKSHMI	202441067871	PUBLISHED	13-09-2024
35	MS. M. ABERNAKUMARI	ARTIFICIAL INTELLIGENCE BASED BRAIN TUMOR DETECTION DEVICE	MS. M. ABERNAKUMARI	428202-001	GRANT	01-10-2024
36	MRS.K MURUGALAKSHMI	BLOCKCHAIN BALLOTS: REVOLUTIONIZING ELECTIONS WITH CRYPTOGRAPHIC SECURITY	MRS.K MURUGALAKSHMI	202441079640	PUBLISHED	25-10-2024
37	DR. R. MURUGADOSS	MACHINE LEARNING VOICE ASSISTED MEDICAL DEVICE	DR. R. MURUGADOSS	202511006949	PUBLISHED	14-02-2025
38	DR. R. MURUGADOSS	IMPROVING CUSTOMER LOYALTY WITH MACHINE LEARNING: A REVIEW OF CHURN PREDICTION MODELS	DR. R. MURUGADOSS	202541008630	PUBLISHED	14-02-2025
39	THEOPHILUS F	SMART POSTURE DETECTION AND CORRECTION FOR COMPUTER USERS USING MACHINE LEARNING	THEOPHILUS F	202441050988	PUBLISHED	12-07-2024

40	DR.A YASMIN	BIO-BOUND TEXTILE COMPOSITE BRICKS (TEXTICKS)	GOWMEKHA R	202541040620 A	PUBLISHED	2025
41	DR.A YASMIN	SISAL SYNERGY FOR STRENGTH ENHANCEMENT IN CONCRETE MATRICES	VADIVELAN S	202541036524 A	PUBLISHED	2025
42	DR.A YASMIN	USE OF BAGASSE ASH IN CEMENT CONCRETE	MUTHUSELVAN M	202541046399 A	PUBLISHED	2025
43	DR.A YASMIN	PERFORMANCE EVALUATION OF MICRO SILICA, RICE HUSK ASH, COCONUT SHELL CONCRETE	KUMARESHAN G	202541046663 A	PUBLISHED	2025
44	DR.A YASMIN	DESIGN OF MOVING AND LIFTING BUILDING SETUP	DEVAKI R	202541023384 A	PUBLISHED	2025
45	SATHEEH KUMAR	AI INTERGRATED SMART AGRICULTURAL ROOFTOPS FOR URBAN BUILDING	DR. SATHEEH KUMAR	202541013027 A	PUBLISHED	2025
46	DR.A YASMIN	HAND OPERATED BANANA OFFSHOT DIGGING TOOLS	DEVAKI R	20251023860 A	PUBLISHED	2025
47	DR.S BANU	THE INFLUENCE OF PLASTIC STRIPS ON CLAY SOIL STABILIZATION	VADIVELAN S	202441056279 A	PUBLISHED	2024
48	DR.S BANU	EXPERIMENTAL INVESTIGATION OF PARTIAL REPLACEMENT OF COARSE AGGREGATES	KARTHEESWARAN R	202441036551 A	PUBLISHED	2024
49	DR.S BANU	EXPERIMENTAL STUDY ON INFLUENCE OF PAPER PLASTICS AGGREGATES AND NATURAL SOIL IN BRICKS AND CONCRETE BLOCKS	GOWMEKHA R	202441037150 A	PUBLISHED	2024
50	DR. VIJAYAKUMAR	INNOVATIVE CONCRETE COMPOSITION INCORPORATING ZEOLITE AND FLY ASH FOR ENHANCED PERFORMANCE	DR. VIJAYAKUMAR	202441053116 A	PUBLISHED	2024
51	A. SABINA PARVEEN	AI-BASED WASTE DETECTION AND FILTRATION DEVICE FOR SEA AND RIVER	A. SABINA PARVEEN	DESIGN NO.: 432460-001	PUBLISHED	23-12-2024
52	DR.S. RINESH	ARTIFICIAL INTELLIGENCE DRIVEN MOCK INTERVIEW DEVICE	DR.S. RINESH	DESIGN NO: 428428-001	PUBLISHED	15-10-2024
53	DR.S. RINESH	CLOUD-INTEGRATED MACHINE LEARNING SYSTEM FOR CREDIT CARD FRAUD DETECTION	DR.S. RINESH	202441095276 A	PUBLISHED	06-12-2024
54	A. SABINA PARVEEN	MODERNIZING ATMS: IRISH RECOGNITION TECHNOLOGY ENABLES SECURE, CARDLESS TRANSACTIONS FOR A CONTACTLESS ERA USING CNN ALGORITHMS	A. SABINA PARVEEN	202441091503 A	PUBLISHED	29-11-2024
55	DR.S. RINESH	REAL-TIME LEAF DISEASE DETECTION IN BELL PEPPER AND GRAPE USING A HYBRID DEEP LEARNING MODEL	DR.S. RINESH	202441086965 A	PUBLISHED	15-11-2024

56	A. SABINA PARVEEN	INTELLIGENT PARKING SOLUTION FOR SUSTAINABLE MOBILITY USING IOT BASED SENSOR AND LORAWAN WIRELESS TECHNOLOGY	A. SABINA PARVEEN	202441087206 A	PUBLISHED	22-11-2024
57	T. HEMALATHA	IOT-DRIVEN SOIL MONITORING AND CROP MANAGEMENT WITH MACHINE LEARNING FOR FERTILIZER RECOMMENDATIONS	T. HEMALATHA	202421072652 A	PUBLISHED	08-11-2024
58	MRS. S. VIGNESHWARI	IOT - ENABLED WOMAN SAFETY WATCH WITH VOICE DETECTION AND GPS USING CLOUD COMPUTING	MRS. S. VIGNESHWARI	202441071945 A	PUBLISHED	04-10-2024
59	SABINA PARVEEN	AI-POWERED DRONE TECHNOLOGY FOR OPTIMIZED PESTICIDE CONTROL AND FERTILIZER USAGE IN CROP DISEASE DETECTION AND PREVENTION	SABINA PARVEEN	202441069915 A	PUBLISHED	20-09-2024
60	SABINA PARVEEN	AI POWERED SEGREGATION OF BIO DEGRADABLE AND NON-BIO DEGRADABLE LAND WASTAGE USING IOT AND CLOUD COMPUTING	SABINA PARVEEN	202441066161 A	PUBLISHED	13-09-2024
61	DR.S. SASIREKA	REMOVAL OF PB (II) ION IN RADIATOR MANUFACTURING EFFLUENT BY CASSIA FISTULA SEED BIOCHAR	DR.S. SASIREKA	202441059250 A	PUBLISHED	09-08-2024
62	VAISHNAVI KARTHIKA R	MACHINE LEARNING-BASED PREDICTION OF STUDENT SATISFACTION WITH ICT IN EDUCATIONAL INSTITUTIONS	VAISHNAVI KARTHIKA R	202441058779 A	PUBLISHED	09-08-2024
63	M.RAJASEKAR	CROP PREDICTION USING MACHINE LEARNING TECHNIQUES	M.RAJASEKAR	202441059877 A	PUBLISHED	16-08-2024
64	DR.T. KALAIKUMARAN SABINA PARVEEN	IDENTIFYING AND FILTERING THE SEA AND RIVER WATER WASTES BY USING AI (CNN) AND GPS TECHNOLOGY	DR.T. KALAIKUMARAN SABINA PARVEEN	202441051542 A	PUBLISHED	12-07-2024
65	DR.T. KALAIKUMARAN	CHAT UP APPLICATION USING FLUTTER & DART	DR.T. KALAIKUMARAN	202441047154 A	PUBLISHED	21-06-2024
66	SABINA PARVEEN	AI-POWERED CORN WASTE WATER FILTERS FOR SUSTAINABLE AQUATIC MONITORING BASED ON DESIGN THINKING APPROACH	SABINA PARVEEN	202441053218 A	PUBLISHED	26-07-2024
67	MRS.S.VIGNESHWARI DR.P.VENKADESH	AN INTELLIGENT AND SMART ROAD SIGN DETECTION SYSTEM USING COMPUTER VISION	MRS.S.VIGNESHWARI DR.P.VENKADESH	202541044781 A	PUBLISHED	30-05-2025
68	MRS.B.SUBHASHREE	SMART ELECTRIC VEHICLE WITH GESTURE BASED SECURE ACCESS	MRS.B.SUBHASHREE	202541042456 A	PUBLISHED	30-05-2025
69	DR.P.VENKADESH P.SREEDEVI	CYBER THREAT DETECTION	DR.P.VENKADESH P.SREEDEVI	202541046790 A	PUBLISHED	30-05-2025

		FRAMEWORK USING BILSTM AND HONEYPOT				
70	DR.S.RINESH	MECHANISM FOR DEVICE AUTHENTICATION AND SESSION KEY GENERATION IN INDUSTRIAL INTERNET OF THINGS (IOT) NETWORKS	DR.S.RINESH	202541044895 A	PUBLISHED	30-05-2025
71	MRS.V.RADHA	ADVANCED FINGERPRINT AND PASSCODE-BASED ANTI-THEFT VEHICLE SYSTEM	MRS.V.RADHA	202541042484 A	PUBLISHED	30-05-2025
72	DR.NEELAMEGAM.G G	AI POWERED INTRUSION DETECTION SYSTEM (IDS) FOR SMART HOMES	DR.NEELAMEGAM.G G	202541043002 A	PUBLISHED	30-05-2025
73	DR.P.VENKADESH BHARATHI RAJA	SMART GAS LEAKAGE DETECTION AND PREVENTION SYSTEM USING ARDUINO	DR.P.VENKADESH BHARATHI RAJA	202541046661 A	PUBLISHED	30-05-2025
74	ANANTHALAKSHMI C G	WATER QUALITY MONITORING AND ALERT SYSTEM FOR SAFE DRINKING	ANANTHALAKSHMI C G	202541046622 A	PUBLISHED	30-05-2025
75	MRS.D.S. AJITHAKALA	WHERE FASHION MEETS INNOVATION, INFLUENCE, AND INTEGRITY -CLOTHEE	MRS.D.S. AJITHAKALA	202541041178 A	PUBLISHED	23-05-2025
76	RINESH SAHADEVAN	VEHICLE ANTI-THEFT SYSTEM USING FINGERPRINT RECOGNITION AND GSM	RINESH SAHADEVAN	202541034642 A	PUBLISHED	09-05-2025
77	RINESH SAHADEVAN	IOT BASED ELECTRICITY ENERGY METER MONITORING USING BLYNK	RINESH SAHADEVAN	202541021579 A	PUBLISHED	21-03-2025
78	DR.T. KALAIKUMARAN	WI-FI ENABLED SMART PET FEEDER USING RASPBERRY AND REAL TIME ALERT MECHANISM	DR.T. KALAIKUMARAN	202541021012 A	PUBLISHED	21-03-2025
79	MRS.T. HEMALATHA	IOT-BASED WATER USAGE TRACKING AND AUTOMATED TAX COMPUTATION SYSTEM	MRS.T. HEMALATHA	202541022466 A	PUBLISHED	21-03-2025
80	RINESH SAHADEVAN	CONTEXT-AWARE MACHINE LEARNING FRAMEWORK FOR PERSONALIZED RECOMMENDATIONS IN E-COMMERCE	RINESH SAHADEVAN	202541014016 A	PUBLISHED	28-02-2025
81	RINESH SAHADEVAN	AI-BASED ANOMALY DETECTION SYSTEM FOR FRAUD PREVENTION IN FINANCIAL TRANSACTIONS	RINESH SAHADEVAN	202541001011 A	PUBLISHED	10-01-2025
82	A. SABINA PARVEEN	ENHANCING SOLAR CELL EFFICIENCY THROUGH QUANTUM DOT-BASED LIGHT ABSORPTION AND CHARGE TRANSPORT	A. SABINA PARVEEN	202441102956 A	PUBLISHED	03/01/2025
83	A. SABINA PARVEEN	IOT ENABLED DESIGN THINKING APPROACH ON MEAT SPOILAGE DETECTION SYSTEM INSIDE THE REFRIGERATOR USING	A. SABINA PARVEEN	202441101711 A	PUBLISHED	03-01-2025

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84	MRS.R.KIRUTHIKA	MACHINE LEARNING APPROACHES FOR RAINFALL PREDICTION AND CROP HEALTH MANAGEMENT IN INTELLIGENT AGRICULTURE	MRS.R.KIRUTHIKA	202441052437 A	PUBLISHED	07-12-2024
85	LATHA PERUMAL SAMY HARIPRIYA.S ABINAYA.D HARINI.M SRUTHI.K MYTHILY.S SUBA SHREE.S.B DEEPIKA SRI.R SUBHIKSHA.J BOOMATHI.M	SUSTAINABLE AND COMPOSTABLE PACKAGING FROM SEA; A CIRCULAR ECONOMY	LATHA PERUMAL SAMY HARIPRIYA.S ABINAYA.D HARINI.M SRUTHI.K MYTHILY.S SUBA SHREE.S.B DEEPIKA SRI.R SUBHIKSHA.J BOOMATHI.M	202441082029	PUBLISHED	12-06-2024
86	LATHA PERUMAL SAMY DR.G.SEKAR P.MANOJ N.GEETHAPRIYA P.PRADEEPA R. SHIVA KEERTHANA G.GAYATHRI A. VISHNUPRIYA R.SUGAPRIYA	FACE AND FINGERPRINT BASED EXAM PAPER PROTECTION SYSTEM	LATHA PERUMAL SAMY DR.G.SEKAR P.MANOJ N.GEETHAPRIYA P.PRADEEPA R. SHIVA KEERTHANA G.GAYATHRI A. VISHNUPRIYA R.SUGAPRIYA	202441058189	PUBLISHED	08-09-2024
87	G SEKAR NAJMA M DR.J.PRASAD DR.M.SASIKUMAR MRS.P.LATHA DR.T.SIVAPRAKASAM P MANOJ DR.A.SHANKAR P.M. BENSON MANSINGH DR.R.NALLAKUMAR	NOVEL CNN APPROACH (YOLO V5) TO DETECT PLANT DISEASES AND ESTIMATION OF NUTRITIONAL FACTS FOR RAW AND COOKED FOODS	G SEKAR NAJMA M DR.J.PRASAD DR.M.SASIKUMAR MRS.P.LATHA DR.T.SIVAPRAKASAM P MANOJ DR.A.SHANKAR P.M. BENSON MANSINGH DR.R.NALLAKUMAR	202441084393 A	PUBLISHED	08-11-2024
88	LATHA PERUMAL SAMY B ARCHANA M PRIYANKA B SHAKTHI G VIVEGA DHARSHINI P MANOJ R DURGA DEVI K PAVITHRA 9)M BOOMATHI S E CHARULATHA J JAFFI RUBIYA	LORA ASSISTED INTELLIGENT TROOP TRACKING AND LOCATION MONITORING SYSTEM OVERDEFENSE ENVIRONMENTS USING BLYNK	B ARCHANA M PRIYANKA B SHAKTHI G VIVEGA DHARSHINI P MANOJ R DURGA DEVI K PAVITHRA 9)M BOOMATHI S E CHARULATHA J JAFFI RUBIYA	202541036270	PUBLISHED	05-09-2025

89	G.SEKAR K.KALAIVANI B.K.PRABAKAR B.SRINIVASAN A.ARUNKUMAR J.VIGNESH SREELAKSHMI NAIR K.SANTHOSHKUMAR S.SHEARUN R.DHARSAN K.ARIVALAGAN	IOT BASED PUBLIC SAFETY AND EARTHQUAKE DISASTER MANAGEMENT	G.SEKAR K.KALAIVANI B.K.PRABAKAR B.SRINIVASAN A.ARUNKUMAR J.VIGNESH SREELAKSHMI NAIR K.SANTHOSHKUMAR S.SHEARUN R.DHARSAN K.ARIVALAGAN	202541036273	PUBLISHED	05-09-2025
90	G SEKAR SINDHU A SANJITH R G KISHORE G R K SARAN KUMAR V AJITH K RESHMA RAMACHANDRAN ASWATH PRAVEEN M G JEGAN P SUDHARSANAN B ALLWIN S	AUTOMATED CLEANING SOLUTION TO BOOST SOLAR PANEL EFFICIENCY	G SEKAR SINDHU A SANJITH R G KISHORE G R K SARAN KUMAR V AJITH K RESHMA RAMACHANDRAN ASWATH PRAVEEN M G JEGAN P SUDHARSANAN B ALLWIN S	202541036276	PUBLISHED	05-09-2025
91	G SEKAR G POONGODI MAHALAKSHMI P M VARSHINI V KAVIYA R MOHANAPRIYA P MANOJ J JESULIN RACHEL P NARMATHA M PRIYADHARSHINI M PUGALENDRAN	EARLY DETECTION AND PREVENTION OF VARICOSE VEINS	G SEKAR G POONGODI MAHALAKSHMI P M VARSHINI V KAVIYA R MOHANAPRIYA P MANOJ J JESULIN RACHEL P NARMATHA M PRIYADHARSHINI M PUGALENDRAN	202541036712	PUBLISHED	05-09-2025
92	G SEKAR KIRUTHIKA R BASKAR J SAKTHI MAHENDRAN J SUJITH R MANOJ K KOWSHICK M HARISH M MANIKANDAN M DARSHAN PM JESHWIN B	IOT-BASED SELF- SUSTAINED AUTONOMOUS SYSTEM FOR EFFICIENT PUBLIC TOILET MAINTENANCE	G SEKAR KIRUTHIKA R BASKAR J SAKTHI MAHENDRAN J SUJITH R MANOJ K KOWSHICK M HARISH M MANIKANDAN M DARSHAN PM JESHWIN B	202541043705 A	PUBLISHED	30-05-2025
93	G SEKAR GEETHAPRIYA N RITHISH M KESAVAN A KAMALESH A PARATH KUMAR K VAISHNAVI V POONGODI G RANJITH K VIJAY DHARSAUN V G SAKTHI T	IOT-BASED SMART KNEE IMPLANT MONITORING SYSTEM	G SEKAR GEETHAPRIYA N RITHISH M KESAVAN A KAMALESH A PARATH KUMAR K VAISHNAVI V POONGODI G RANJITH K VIJAY DHARSAUN V G SAKTHI T	202541044005 A	PUBLISHED	30-05-2025

94	G SEKAR SAMUEL J KODEESWARAN M ADHIL A HARIKRISHNAN K SREEDHAR S UDAIYAPPAN S SATHIYAN D SIVANTHIRAM T SARAVANAKUMAR R THANGA PRAKASH T	HYDROSCAN: SMART IOT-BASED WATER QUALITY MONITORING WITH LORA	G SEKAR SAMUEL J KODEESWARAN M ADHIL A HARIKRISHNAN K SREEDHAR S UDAIYAPPAN S SATHIYAN D SIVANTHIRAM T SARAVANAKUMAR R THANGA PRAKASH T	202541044022 A	PUBLISHED	30-05-2025
95	G SEKAR SIVAPRAKASAM T GOKUL P JEEVA BHARATHI K PRAVEEN R VIGNESHWARAN J PRAVEEN KUMAR K VANJI MUTHU P SANKAR E NIRMAL L SHARIK AHMED A SIVA PRATHOSH C	LI-FI BASED AUTOMOTIVE SAFETY SYSTEM	G SEKAR SIVAPRAKASAM T GOKUL P JEEVA BHARATHI K PRAVEEN R VIGNESHWARAN J PRAVEEN KUMAR K VANJI MUTHU P SANKAR E NIRMAL L SHARIK AHMED A SIVA PRATHOSH C	202541044023 A	PUBLISHED	30-05-2025
96	G SEKAR LOGESHWARI A ROSHAN VYSYA B VISHNU SAYOOJ M M VASANTKUMAR K ABILASH S BHARATH P HARIHARAN M ARUNKUMAR L DARSHAN S GIRIDARAN M A	AN ENHANCED EARLY DETECTION OF CORONARY ARTERY DISEASE: REVOLUTIONIZING PREDICTION WITH DEEP LEARNING	G SEKAR LOGESHWARI A ROSHAN VYSYA B VISHNU SAYOOJ M M VASANTKUMAR K ABILASH S BHARATH P HARIHARAN M ARUNKUMAR L DARSHAN S GIRIDARAN M A	202541044103 A	PUBLISHED	30-05-2025
97	G SEKAR SHAMIA D KAVIARASU P HARISH RAGAVENDRA M SIMIYON A AKASH R RAMAN S AMARNAATH G GIRIDARAN M A ARDEEPAN S SHEARUN S	EARLY DETECTION AND CONTINUOUS MONITORING OF DEMENTIA	G SEKAR SHAMIA D KAVIARASU P HARISH RAGAVENDRA M SIMIYON A AKASH R RAMAN S AMARNAATH G GIRIDARAN M A ARDEEPAN S SHEARUN S	202541044132 A	PUBLISHED	30-05-2025
98	G SEKAR JESULIN RACHEL J SOWMIYA S MOHANA DHARSHINI S UVANANDHINI V DIVYA DHARANYA A CHARULATHA S E KABILAN M RISHI KRISHNA A ANISHKUMAR V DHARUN KUMAR R	AN ENSEMBLE INTERNET OF THINGS FOR VEHICULAR ENGINE HEALTH PREDICTION	G SEKAR JESULIN RACHEL J SOWMIYA S MOHANA DHARSHINI S UVANANDHINI V DIVYA DHARANYA A CHARULATHA S E KABILAN M RISHI KRISHNA A ANISHKUMAR V DHARUN KUMAR R	202541044222 A	PUBLISHED	30-05-2025

99	LATHA PERUMAL SAMY DR N RAMYARANI DR A.S.NARMADHA MR.P.MANOJ MRS.G JEYALAKSHMI MRS SREELAKSHMI NAIR MR A.R SREEJITH MRS N GEETHAPRIYA MS.GEETHA SREE G MS THIREKA V	TORQUE AND EFFICIENCY MONITORING OF AN INDUCTION MOTOR USING WIRELESS SENSOR NETWORK	LATHA PERUMAL SAMY DR N RAMYARANI DR A.S.NARMADHA MR.P.MANOJ MRS.G JEYALAKSHMI MRS SREELAKSHMI NAIR MR A.R SREEJITH MRS N GEETHAPRIYA MS.GEETHA SREE G MS THIREKA V	202541014054 A	PUBLISHED	28-02-2025
100	LATHA PERUMAL SAMY DR.A.S.NARMADHA MAHALAKSHMI S SUBARANJANA T DHANAPRIYA S METTLE PRIYANKA A.R.SREEJITH S.ARDEEPAN DHARANISH N DINESH KUMAR S M.KABILAN	A SECURE IBEACON ECOSYSTEM FOR WOMEN'S SAFETY WITH REAL-TIME THREAT DETECTION IN IOT COMMUNICATION	LATHA PERUMAL SAMY DR.A.S.NARMADHA MAHALAKSHMI S SUBARANJANA T DHANAPRIYA S METTLE PRIYANKA A.R.SREEJITH S.ARDEEPAN DHARANISH N DINESH KUMAR S M.KABILAN	202541027524 A		25-04-2025
101	LATHA PERUMAL SAMY A.SINDHU K.KALAIVANI V.ANISH KUMAR M.PUGALENDRAN S.SURYA P.BALASUBRAMANI M.KAVIN B.GOWSIGAN S.MADHAN KUMAR	SMART IOT-BASED SAFETY FOOTWEAR FOR HUMAN PROTECTION	LATHA PERUMAL SAMY A.SINDHU K.KALAIVANI V.ANISH KUMAR M.PUGALENDRAN S.SURYA P.BALASUBRAMANI M.KAVIN B.GOWSIGAN S.MADHAN KUMAR	202541017635 A	PUBLISHED	14-03-2025
102	LATHA PERUMAL SAMY G JEYALAKSHMI K V VANATHI M DURGADEVI S MOUNICA B INIYASREE M KRISHNAVENI K SRUTHI M S BHAVATARINI B PRATHIBHA S ARDEEPAN	SMART WATER MANAGEMENT FUTURE RESEARCH AND SURVEY DETECTION	LATHA PERUMAL SAMY G JEYALAKSHMI K V VANATHI M DURGADEVI S MOUNICA B INIYASREE M KRISHNAVENI K SRUTHI M S BHAVATARINI B PRATHIBHA S ARDEEPAN	202541038028 A	PUBLISHED	16-05-2025
103	LATHA PERUMAL SAMY DR RAMYA RANI N,AP/ECE MR.JAIN PREM ANAND A S,AP/ECE MR.KALAIVANNAN S MR.BUPESH G MR.ASHOK KUMAR V MR SATHIYAVASAKAN K MS.ABINAYA D MS.MADHUSHREE M MS.MYTHILY S	IOT BASED AI INTEGRATED PRETERM INFANT MONITORING SYSTEM IN NICU	LATHA PERUMAL SAMY DR RAMYA RANI N,AP/ECE MR.JAIN PREM ANAND A S,AP/ECE MR.KALAIVANNAN S MR.BUPESH G MR.ASHOK KUMAR V MR SATHIYAVASAKAN K MS.ABINAYA D MS.MADHUSHREE M MS.MYTHILY S	202541027364 A	PUBLISHED	25-04-2025

104	1. DR.D.PHILIP SELVARAJ 2. DR.P.RAJU 3. N.PARTHIBAN 4. V.ASHOK PANDI 5. V.KARTHIKEYAN 6. A.HARISH 7. S.KALAIMANI 8. C.SABAREESHWARAN 9. K.PRADEEP	DESIGN AND FABRICATION OF IOT BASED ROCKER-BOGIE MECHANISM	1. DR.D.PHILIP SELVARAJ 2. DR.P.RAJU 3. N.PARTHIBAN 4. V.ASHOK PANDI 5. V.KARTHIKEYAN 6. A.HARISH 7. S.KALAIMANI 8. C.SABAREESHWARAN 9. K.PRADEEP	202441045959 A	PUBLISHED	21-06-2024
105	1BANU 2.G.DARSHAN 3.M.SANTHOSH KUMAR 4.B.PONRAJ 5.P.NAGARAJ 6.P.PRADEEPA 7.K.SHARMELA 8.M.DEEPIKA 9.G.SELVARAJ	ELECTRICITY THEFT DETECTION USING DEEP REINFORCEMENT LEARNING IN SMART POWER GRIDS	1BANU 2.G.DARSHAN 3.M.SANTHOSH KUMAR 4.B.PONRAJ 5.P.NAGARAJ 6.P.PRADEEPA 7.K.SHARMELA 8.M.DEEPIKA 9.G.SELVARAJ	202541023024 A	PUBLISHED	28-03-2025
106	1.S.BANU 2.DR.K.P.PARTHIBA 3.D.VELMURUGAN 4.D.PRIYADHARSHINI 5.P.PRADEEPA 6.P.M.ROOBA 7.R.GANESAN 8.DR.A.PARASURAM	AI-POWERED SECURITY COMPANION FOR WOMEN	1.S.BANU 2.DR.K.P.PARTHIBA 3.D.VELMURUGAN 4.D.PRIYADHARSHINI 5.P.PRADEEPA 6.P.M.ROOBA 7.R.GANESAN 8.DR.A.PARASURAM	202541008220 A	PUBLISHED	14-02-2025
107	1.S BANU 2.D.PRIYADHARSHINI 3.N.M.NITHISH 4.K.ATHISEN 5.R.ARAVINTHAN 6.K.DINESH KUMAR 7.A.PARASSURAM 8.K.SHARMELA 9.T.JANANI 10.P.NIRMALA 11.P.M.ROOBA	ENERGY-EFFICIENT REMOTE MONITORING TECHNIQUES FOR EXTENDING DEVICE BATTERY LIFE AND ENHANCING	1.S BANU 2.D.PRIYADHARSHINI 3.N.M.NITHISH 4.K.ATHISEN 5.R.ARAVINTHAN 6.K.DINESH KUMAR 7.A.PARASSURAM 8.K.SHARMELA 9.T.JANANI 10.P.NIRMALA 11.P.M.ROOBA	202541022995 A	PUBLISHED	21-03-2025
108	1. PRADEEPA.P 2. D.VELMURUGAN 3. R.GANESAN. 4. A.PARAAURAM 5. P.NAGARAJAN 6. M.DEEPIKA 7. A.S.PRIYANKA MENON 8. T.JANANI 9. P. NIRMALA 10. P.M.ROOBA	ENSEMBLE DEEP LEARNING MODELS FOR EFFICIENT PREDICTION OF RICE PLANT LEAF DISEASES VIA TRANSFER LEARNING	1. PRADEEPA.P 2. D.VELMURUGAN 3. R.GANESAN. 4. A.PARAAURAM 5. P.NAGARAJAN 6. M.DEEPIKA 7. A.S.PRIYANKA MENON 8. T.JANANI 9. P. NIRMALA 10. P.M.ROOBA	202541022047 A	PUBLISHED	21-03-2025
109	1)S BANU 2)G.SELVARAJ 3)S.SIVARANJANI 4)K.JANANI 5)POUCY VIJAYAN 6)K.SUJITHA 7)D.VELMURUGAN 8) DR.S.DHAS BENSAM 9)R.YAMUNA	INTERLEAVED LUO CONVERTER-FED ELECTRIC VEHICLE BATTERY CHARGER INTEGRATED RENEWABLE ENERGY	1)S BANU 2)G.SELVARAJ 3)S.SIVARANJANI 4)K.JANANI 5)POUCY VIJAYAN 6)K.SUJITHA 7)D.VELMURUGAN 8) DR.S.DHAS BENSAM 9)R.YAMUNA	202541022113 A	PUBLISHED	21-03-2025

110	1)S BANU 2)D.VELMURUGAN 3)S.UBENDRA 4)A.VIJAYAKANTH 5)M.SETHUPATHI RAJA 6)DR.K.P.PARTHIBAN 7)D.PRIYADHARSHINI 8)S.SOUNDAPPAN 9)R.GANESAN	NEXT-GENERATION HYBRID ENERGY STORAGE INTEGRATION USING CASCADED MULTIPORT CONVERTER FOR DC MICROGRIDS	1)S BANU 2)D.VELMURUGAN 3)S.UBENDRA 4)A.VIJAYAKANTH 5)M.SETHUPATHI RAJA 6)DR.K.P.PARTHIBAN 7)D.PRIYADHARSHINI 8)S.SOUNDAPPAN 9)R.GANESAN	202541022266 A	PUBLISHED	21-03-2025
111	1. DHARNEESH K 2. NAGA ARJUN 3. THANISH R 4. DR. VARATHARAJ M 5. DR. BANU G 6. DR. SIVARANJANI T 7. VELMURUGAN D 8. PRIYANKA MENON A S	DUAL RENEWABLE ENERGY SYSTEM: SOLAR AND PELTIER-BASED BATTERY CHARGING	1. DHARNEESH K 2. NAGA ARJUN 3. THANISH R 4. DR. VARATHARAJ M 5. DR. BANU G 6. DR. SIVARANJANI T 7. VELMURUGAN D 8. PRIYANKA MENON A S	202541031877 A	PUBLISHED	25-04-2025
112	DR.M .RAMESH KUMAR MRS. U.L SINDHU MS.L.SNEHA MS.SILKI CHAKRABORTY MS.V.KAVITHA	A SURVEY ON VERIFICATION OF SECURITY AND SAFETY IN IOT SYSTEMS	DR.M .RAMESH KUMAR MRS. U.L SINDHU MS.L.SNEHA MS.SILKI CHAKRABORTY MS.V.KAVITHA	202541017743 A	PUBLISHED	28/02/2025
113	MRS. REVATHI R MR. S. ARUN KUMAR MS.C.DHARANI MS.M.ABINANDHINI MS.P.VASUKI	IOT BASED SMART SYSTEM FOR ROAD POTHOLES DETECTION AND NOTIFICATION	MRS. REVATHI R MR. S. ARUN KUMAR MS.C.DHARANI MS.M.ABINANDHINI MS.P.VASUKI	202541016735 A	PUBLISHED	03-07-2025
114	MR.V.ASOK KUMAR MRS. R.JAYAPRATHA GANDHIMATHINATHAN ABISHEK S ELANGO VAN S	CAMPUS CHOICE SMART VOTING MACHINE USING IOT	MR.V.ASOK KUMAR MRS. R.JAYAPRATHA GANDHIMATHINATHAN ABISHEK S ELANGO VAN S	202541018245 A	PUBLISHED	14/03/2025
115	MRS. R.REVATHI	CAR BLACK BOX SYSTEM FOR ACCIDENT ANALYSIS USING ARDUINO	MRS. P.SHAYA SUGANYA PRINCES MR.C.KALIMUTHAN MS.S.SUJITHA JANET MS.S.ROSS ANJALINE MS.R.AMIRTHA	202541016874 A	PUBLISHED	03-07-2025
116	MR. S.ARUN KUMAR MRS. R. REVATHI LOGESHWARAN I SELVAKUMAR P MURUGESAN P	IOT ENABLED SMART SHOE NAVIGATION SYSTEM FOR THE VISUALLY IMPAIRED PEOPLE	MR. S.ARUN KUMAR MRS. R. REVATHI LOGESHWARAN I SELVAKUMAR P MURUGESAN P	202541018168 A	PUBLISHED	14/03/2025
117	MRS. R.REVATHI	SECURING IOT-ENABLED WEB APPLICATIONS AND ENHANCING WOMEN'S SAFETY THROUGH ADVANCED TECHNOLOGIES	MR. S. ARUN KUMAR MRS. R.REVATHI RIDHA R ABINAYA M AARTHI M	202541016424 A	PUBLISHED	03-07-2025
118	MRS. U.L. SINDHU DR. M. RAMESH KUMAR GOKULAKANNAN M JOYAL FRANKLIN S YUGESH K	INDIAN TRAFFIC SIGN DETECTION AND CLASSIFICATION THROUGH A UNIFIED FRAMEWORK	MRS. U.L. SINDHU DR. M. RAMESH KUMAR GOKULAKANNAN M JOYAL FRANKLIN S YUGESH K	202541018246 A	PUBLISHED	14/03/2025
119	MRS. R. JAYAPRATHA MR. V. ASHOK KUMAR DEEPAK S SENTHIL KUMAR R SURYAPRASATH M	SIMULTANEOUS WIRELESS POWER AND DATA TRANSFER FOR ELECTRIC VEHICLE CHARGING	MRS. R. JAYAPRATHA MR. V. ASHOK KUMAR DEEPAK S SENTHIL KUMAR R SURYAPRASATH M	202541018244 A	PUBLISHED	14/03/2025

120	MRS. R. JAYAPRATHA MR. V. ASHOK KUMAR MR.A.MOHAMMED IDRISH MR.S.DHANAVEERAPANDIYAN MR.P.DEEPAK	AN IOT- BASED SMART HELMET FOR RIDING SECURITY AND EMERGENCY NOTIFICATION	MRS. R. JAYAPRATHA MR. V. ASHOK KUMAR MR.A.MOHAMMED IDRISH MR.S.DHANAVEERAPANDIYAN MR.P.DEEPAK	202541016788 A	PUBLISHED	03-07-2025
121	MR.C.KALIMUTHAN MRS. P.SAHAYA SUGANYA PRINCES RAVEENDAR R SARANNATH R MARISELVAN S	AN IOT-POWERED HEADBAND FOR SLEEP QUALITY IMPROVEMENT AND INSOMANIA MANAGEMENT	MR.C.KALIMUTHAN MRS. P.SAHAYA SUGANYA PRINCES RAVEENDAR R SARANNATH R MARISELVAN S	202541035416 A	PUBLISHED	05-09-2025
122	MR. V. DICKSON IRUDAYARAJ MR.S. ARUN KUMAR GUNASEKARAN SUDHARSON R PARANJOTHI V	AI BASED HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION	MR. V. DICKSON IRUDAYARAJ MR.S. ARUN KUMAR GUNASEKARAN SUDHARSON R PARANJOTHI V	202541018269 A	PUBLISHED	14/03/2025
123	DR.M.RAMESH KUMAR MRS.R.REVATHI MRS. U.L. SINDHU BARATHRAJ S KESHITH PRASHAD R SHANKAR M	SMART ASSISTIVE SYSTEM FOR VISUALLY IMPAIRED WITH OBJECT RECOGNITION AND EMERGENCY ALERT USING RPI	DR.M.RAMESH KUMAR MRS.R.REVATHI MRS. U.L. SINDHU BARATHRAJ S KESHITH PRASHAD R SHANKAR M	202541021177 A	PUBLISHED	21/03/2025
124	MR. V. DICKSON IRUDAYARAJ MRS. R. REVATHI DHANUSH LINGAM E ABISHEK S NANDHAKUMAR M HARIKRISHNAN R	ADVANCING AUTONOMOUS VEHICLE SAFETY: MACHINE LEARNING TO PREDICT SENSOR- RELATED ACCIDENT SEVERITY	MR. V. DICKSON IRUDAYARAJ MRS. R. REVATHI DHANUSH LINGAM E ABISHEK S NANDHAKUMAR M HARIKRISHNAN R	202541018157 A	PUBLISHED	14/03/2025
125	U.L. SINDHU DR.M.RAMESH KUMAR NANDHINI S PRIYADHARSHINI YASMIN B	STRESS CLASSIFICATION AND VITAL SIGNS FORECASTING FOR IOT- HEALTH MONITORING	U.L. SINDHU DR.M.RAMESH KUMAR NANDHINI S PRIYADHARSHINI YASMIN B	202541016823 A	PUBLISHED	07-03-2025
126	MRS. P.SHAYA SUGANYA PRINCES MR.C.KALIMUTHAN MS.S.GOKILAVANI MS.S.SUJITHA JANET MS.S.ROSS ANJALINE MS.R.AMIRTHA	ADVANCED FINGER PRINT AND PASSWORD BASED ANTI-THEFT VEHICLE SYSTEM USING IOT	MRS. P.SHAYA SUGANYA PRINCES MR.C.KALIMUTHAN MS.S.GOKILAVANI MS.S.SUJITHA JANET MS.S.ROSS ANJALINE MS.R.AMIRTHA	202541018158 A	PUBLISHED	14/03/2025
127	DR.M.RAMESH KUMAR MRS. U.L.SINDHU MS. A. ABARNA MR. C. VINOTH MS. S. DHANUSHYA DEVI MS. P. SOWMYA	IOT-ENABLED SMART IRRIGATION SYSTEM: OPTIMIZING WATER USAGE AND ENHANCING CROP YIELDS THROUGH REAL-TIME MONITORING AND CONTROL	DR.M.RAMESH KUMAR MRS. U.L.SINDHU MS. A. ABARNA MR. C. VINOTH MS. S. DHANUSHYA DEVI MS. P. SOWMYA	202441087387 A	PUBLISHED	22/11/2024
128	MR.C. KALIAMUTHAN MRS. P.SAHAYA SUGANYA PRINCES BHARATH V SIVA SAKTHI R ESAKIMUTHU S VENKADESH S YASHWANTH T ASHWANTH V	SMART TRAFFIC SIGNAL SYSTEM USING ARDUINO FOR DENSITY- BASED CONTROL	MR.C. KALIAMUTHAN MRS. P.SAHAYA SUGANYA PRINCES BHARATH V SIVA SAKTHI R ESAKIMUTHU S VENKADESH S YASHWANTH T ASHWANTH V	202441098785 A	PUBLISHED	20/12/2024

129	MRS. R JAYAPRATHA MR.V ASOK KUMAR SHANMUGAPRIYA S ISWARYA M PRIYANKA.G SANJAY C SANJAY Y	INTELLIGENT WASTE MANAGEMENT SYSTEM: OPTIMIZING GARBAGE COLLECTION WITH IOT TECHNOLOGY	MRS. R JAYAPRATHA MR.V ASOK KUMAR SHANMUGAPRIYA S ISWARYA M PRIYANKA.G SANJAY C SANJAY Y	202541006730 A	PUBLISHED	02-07-2025
130	MR.PRABHU R	IOT AND CLOUD BASED CAMERA FOR HEALTHCARE SURVEILLANCE	MR.ASOK KUMAR	407522-001	PUBLISHED	04-12-2024
131	MR.S. ARUN KUMAR R. REVATHI R.CHITRA A.G.JAYAHARINI P. LOVELLN PREETHI Y.MONISHA M.ILAKKYA A.MARIYA DEEPIKA M.NIVEETHA	STATE-OF-THE- ART&NBSP;RESEARCH IN REMOTE HEALTH CARE TECHNOLOGIES AND ASSISTED LIVING	MR.S. ARUN KUMAR R. REVATHI R.CHITRA A.G.JAYAHARINI P. LOVELLN PREETHI Y.MONISHA M.ILAKKYA A.MARIYA DEEPIKA M.NIVEETHA	202441035115 A	PUBLISHED	05-10-2024
132	MR.V.ASOK KUMAR DR.M.RAMESH KUMAR B.SANGEETH L.S.SAKTHL NARAYANAN D.BHARATHIDASAN S.HAR1HARAN S HARIHARAPUTHRAN K.LYYANAR V.ELANGO	AUTOMATED STREET LIGHT CONTROL SYSTEM	MR.V.ASOK KUMAR DR.M.RAMESH KUMAR B.SANGEETH L.S.SAKTHL NARAYANAN D.BHARATHIDASAN S.HAR1HARAN S HARIHARAPUTHRAN K.LYYANAR V.ELANGO	202441035122 A	PUBLISHED	05-10-2024
133	R.JAYAPRADHA C. KALIMUTHAN C. SETHUMATHAVAN N. JAWAHARPATTEL P. SELVASURYA T. RANJITH KUMAR M.MOHANRAJ J. JEMSATH S. GOWTHAM	SCALABLE AND EFFICIENT TWO-FACTOR AUTHENTICATION SCHEME BASED ON ONE TIME PASSWORD FOR INTERNET OF THINGS APPLICATIONS	R.JAYAPRADHA C. KALIMUTHAN C. SETHUMATHAVAN N. JAWAHARPATTEL P. SELVASURYA T. RANJITH KUMAR M.MOHANRAJ J. JEMSATH S. GOWTHAM	202441035608 A	PUBLISHED	05-10-2024
134	B.JEBARANJANI M.RAMESH KUMAR K.NISHANTH A.S.SRIBALAJ K.SRIHARI G.VIGNESHKUMAR S HARIHARAN S.HARIHARAPUTHRAN K.IYYANAR V.ELANGO	DESIGN AND IMPLEMENTATION OF AN AUTOMATIC ROOM TEMPERATURE AND FAN SPEED CONTROL SYSTEM USING ARDUIN	B.JEBARANJANI M.RAMESH KUMAR K.NISHANTH A.S.SRIBALAJ K.SRIHARI G.VIGNESHKUMAR S HARIHARAN S.HARIHARAPUTHRAN K.IYYANAR V.ELANGO	202441035111 A	PUBLISHED	05-10-2024
135	C.KALIMUTHAN R.JAYAPRATHA S.GOWTHAM J.JEMSATH M.MOHANRAJ N.JAWAHARPATTEL T.RANJITHKUMAR P.SELVASURYA C.SETHUMATHAVAN	MPROVING INTRUSION DETECTION IN IOT ENVIRONMENT USING RANDOM FOREST AND SYNTHETIC DATA GENERATION	C.KALIMUTHAN R.JAYAPRATHA S.GOWTHAM J.JEMSATH M.MOHANRAJ N.JAWAHARPATTEL T.RANJITHKUMAR P.SELVASURYA C.SETHUMATHAVAN	202441035114 A	PUBLISHED	05-10-2024

136	DR.M.RAMESH KUMAR MRS B JEBARANJANI S HARIHARAN S.HARIHARAPUTHRAN K.IYYANAR V.ELANGO K.NLSHANTH A.S.SRIBALAJI K.SRIHARI G.VIGNESHKUMAR	DESIGN AND IMPLEMENTATION OF A WEARABLE ECHOLOCATION DEVICE FOR ENHANCED NAVIGATION FOR THE VISUALLY	DR.M.RAMESH KUMAR MRS B JEBARANJANI S HARIHARAN S.HARIHARAPUTHRAN K.IYYANAR V.ELANGO K.NLSHANTH A.S.SRIBALAJI K.SRIHARI G.VIGNESHKUMAR	202441035102 A	PUBLISHED	05-10-2024
137	MRS. R. REVATHI MR. S. ARUN KUMAR MS. M. ILAKKYA MS. A. MARIYA DEEPIKA MS. M. NIVEETHA MS. S. PAVITHRA MS. R. CHITRA A. G. JAYAHA RINI MS. M. NIVEETHA	DESIGN, DEVELOPMENT AND FABRICATION OF PROTOTYPE SOLAR TRACKING SYSTEMS FOR EFFICIENT PHOTOVOLTAIC	MRS. R. REVATHI MR. S. ARUN KUMAR MS. M. ILAKKYA MS. A. MARIYA DEEPIKA MS. M. NIVEETHA MS. S. PAVITHRA MS. R. CHITRA A. G. JAYAHA RINI MS. M. NIVEETHA	202441035100 A	PUBLISHED	05-10-2024
138	U.L.SINDHU P. SAHAYA SUGANYA PRINCES K. DEEPIKA R. SRI ARTHI R. SHANMUGA PRIYA S. SOWMIYA G. HEMA VARSHINI A.KARUNYA A.KAVIYA SRI	DESIGN AND DEVELOPMENT OF GSM BASED THEFT CONTROL SYSTEM FOR AUTOMOBILES	U.L.SINDHU P. SAHAYA SUGANYA PRINCES K. DEEPIKA R. SRI ARTHI R. SHANMUGA PRIYA S. SOWMIYA G. HEMA VARSHINI A.KARUNYA A.KAVIYA SRI	202441035103 A	PUBLISHED	05-10-2024
139	1)MRS. P. SAHAYA SUGANYA PRINCES MRS. U. L. SINDHU G.HEMA VARSHINI A.KARUNYA A. KAVIYA SRI K. DEEPIKA R.SRI ARTHI R.SHANMUGA PRIYA S.SOWMIYA	DESIGN AND VALIDATION OF A NOVEL MULTIVENT SYSTEM FOR NON-INVASIVE VENTILATION TO ADDRESS VENTILATOR	1)MRS. P. SAHAYA SUGANYA PRINCES MRS. U. L. SINDHU G.HEMA VARSHINI A.KARUNYA A. KAVIYA SRI K. DEEPIKA R.SRI ARTHI R.SHANMUGA PRIYA S.SOWMIYA	202441035101 A	PUBLISHED	05-10-2024
140	DR. S. BANU MR. P. SRINIVASAN	AUTOMATIC PNEUMATIC BUMPER FOR FOURWHEELER	DR. S. BANU MR. P. SRINIVASAN	202441056462 A	PUBLISHED	02-08-2024
141	DR. S. BANUMR. RAVEENDRAN.M..R	FABRICATION OF FLOATING RIVER CLEANING MACHINE	DR. S. BANUMR. RAVEENDRAN.M..R	202441074890 A	PUBLISHED	11-10-2024
142	DR. S. BANU DR. D. PHILIP SELVARAJ	IOT BASED INDUSTRIAL MAINTENANCE IN SURFACE GRINDING MACHINE	DR. S. BANU DR. D. PHILIP SELVARAJ	202441096859 A	PUBLISHED	13-12-2024
143	G. ASHWIN PRABHU DR. D. PHILIP SELVARAJ	SMART ROBOTIC ARM WITH MACHINE LEARNING FOR ADAPTIVE CONSTRUCTION AND STRUCTURAL ASSEMBLY TASKS	G. ASHWIN PRABHU DR. D. PHILIP SELVARAJ	202441098617 A	PUBLISHED	20-12-2024
144	DR. S. BANU DR. D. PHILIP SELVARAJ	IOT BASED UNMANNED AERIAL VEHICLE FOR SURVEILLANCE	DR. S. BANU DR. D. PHILIP SELVARAJ	202541008574 A	PUBLISHED	01-02-2025
145	DR. S. BANU DR. S. LOGANATHAN	SPRINGLESS CAR SUSPENSION USING THE BEVEL GEARS FOR HEAVY LOAD CARRIERS	DR. S. BANU DR. S. LOGANATHAN	202541036751 A	PUBLISHED	09-05-2025
146	DR. S. BANU DR. T. VENKATAJALAPATHY	CUTTING AND SHAPING MACHINE USING	DR. S. BANU DR. T. VENKATAJALAPATHY	202541045385 A	PUBLISHED	30-05-2025

		SCOTCH YOKE MECHANISM				
147	DR. S. BANU	BUTTON CONTROLLED AUTOMATIC GEAR CHANGER FOR TWO WHEELERS	DR. S. BANU DR. D. PHILIP SELVARAJ	202541044827 A	PUBLISHED	30-05-2025
148	DR. T. VENKATAJALAPATHY	DEVICE FOR HEART MONITORING	DR. T. VENKATAJALAPATHY	6418845	GRANTED	06-03-2025
149	DR. V. VELMURUGAN	OPEN END CUM BOX WRENCH	DR. V. VELMURUGAN	392641-0001	GRANTED	28-04-2025
150	MR. M.R.RAVEENDRAN	GOLD JEWELRY WITH INBUILT GPS TRACKER	MR. M.R.RAVEENDRAN	449194-001	GRANTED	34-02-2025
151	DR. T. VENKATAJALAPATHY	DEVICE FOR STABILIZING VOLTAGE	DR. T. VENKATAJALAPATHY	6383078	GRANTED	13-08-2024

Total Patents Filed: 147

Patents Granted: 4

b. Research Publications (2024–2025)

Faculty members published research papers in SCI, Scopus, and UGC-approved journals, contributing to knowledge in engineering, science, and management.

S.NO	FACULTY NAME	DEPARTMENT	PAPER TITLE	INDEXED (YES/NO)	INDEXING TYPE
1	DR R MURUGADOSS	AI & DS	AI-POWERED MONITORING FOR MITIGATING HUMAN-ANIMAL CONFLICTS IN AGRICULTURAL AND FOREST ZONES	YES	SCOPUS
2	DR.P.VENKADESH	AI & DS	AETHERGUARD - AI-POWERED IOT EMERGENCY RESPONSE SYSTEM FOR SMART VEHICLE COLLISION DETECTION AND AMBULANCE DISPATCH	NO	
3	DR.P.VENKADESH	AI & DS	DIGITAL AGRICULTURE: LEVERAGING MOBILE APPLICATIONS	NO	
4	DR.P.VENKADESH	AI & DS	AEGIS AI - INTELLIGENT CYBER RESILIENCE	NO	
5	DR.P.VENKADESH	AI & DS	SIGNCHATAI-GENERATIVE AI FOR DEAF-AND-MUTE COMMUNITY USING INDIAN SIGN LANGUAGE (ISL)	YES	SCOPUS
6	DR.P.VENKADESH	AI & DS	A MULTI-LAYER ENCRYPTION AND ANOMALY DETECTION FRAMEWORK FOR SECURING SCTP DATA TRANSMISSION	YES	SCOPUS
7	DR.P.VENKADESH	AI & DS	AN INTEGRATED XGBRF FRAMEWORK FOR EARLY IDENTIFICATION OF PARKINSON'S DISEASE	YES	SCOPUS

8	DR R MURUGADOSS	AI & DS	A REVIEW OF USING DEEP LEARNING FROM AN ECOLOGY PERSPECTIVE TO ADDRESS CLIMATE CHANGE AND AIR POLLUTION	YES	SCOPUS
9	DR R MURUGADOSS	AI & DS	ENHANCING BRAIN TUMOR DIAGNOSIS: A COMPREHENSIVE AI APPROACH USING BTUNET FOR CLASSIFICATION OF MRI IMAGES	NO	SCOPUS
10	DR.P.VENKADESH	AI & DS	CLASSIFYING AND PREDICTING COVID-19 DURING PREGNANCY USING RNN AND ML TECHNIQUES	YES	SCOPUS
11	DR.P.VENKADESH	AI & DS	COMPREHENSIVE ANALYSIS OF DEEP LEARNING METHODS FOR COVID-19 DETECTION AND CLASSIFICATION	YES	SCOPUS
12	DR.P.VENKADESH	AI & DS	UNLOCKING AI CREATIVITY: A MULTI-AGENT APPROACH WITH CREWAI	YES	SCOPUS
13	DR.P.VENKADESH	AI & DS	SMART DUSTBIN USING ESP32 FOR WASTE MANAGEMENT	NO	
14	DR.P.VENKADESH	AI & DS	OPTIMIZED DEEP NEURO-FUZZY NETWORK WITH MAPREDUCE ARCHITECTURE FOR ACUTE LYMPHOBLASTIC LEUKEMIA CLASSIFICATION AND SEVERITY ANALYSIS	YES	SCOPUS
15	DR.P.VENKADESH	AI & DS	OBSTACLE DETECTION IN RAILWAYS USING IOT	NO	
16	DR.P.VENKADESH	AI & DS	A COMPREHENSIVE ANALYSIS OF CYBER CRIMES AND CYBER SECURITY TOOLS	NO	
17	N.MUTHUKUMARAN	CIVIL	ADVANCEMENTS IN NANOSTRUCTURED MATERIALS FOR ENHANCED WATER DESALINATION	YES	SCOPUS
18	N.MUTHUKUMARAN	CIVIL	UNLEASHING THE FLEXURAL BEHAVIOR OF CERAMIC HYBRID RUBBER REINFORCED COMPOSITES FOR SUSTAINABLE INDUSTRY	YES	SCOPUS
19	N.MUTHUKUMARAN	CIVIL	EVALUATION OF THE ANTIFUNGAL PROPERTIES OF ROSMARINUS.OFFICINALIS (L.) ESSENTIAL OIL FOR MANAGING FUNGAL PLANT PATHOGENS	YES	SCOPUS
20	GOWMEKHA R	CIVIL	IMPACT OF INDUSTRIAL EFFLUENTS ON GROUNDWATER QUALITY IN SIPCOT, PERUNDURAI, ERODE, TAMIL NADU,	NO	
21	GOWMEKHA R	CIVIL	EVALUATION OF ELECTROCOAGULATION PROCESS FOR PHENOL REMOVAL FROM SYNTHETICALLY PREPARED AQUEOUS SOLUTION BY VARYING PARAMETERS	NO	

22	DR.S.V.DIVYA	CSE	CLASSIFYING AND PREDICTING COVID-19 DURING PREGNANCY USING RNN AND ML TECHNIQUES	YES	SCOPUS
23	S.RINESH	CSE	PREDICTION AND CLASSIFICATION OF SOLAR PHOTOVOLTAIC POWER GENERATION USING EXTREME GRADIENT BOOSTING REGRESSION MODEL	YES	SCOPUS, WEB OF SCIENCE
24	S.MOHAN	CSE	GUEST ROLE OF COMPUTER	YES	UGC CARE
25	PRIYADHARSHINI.G	CSE	DISEASE DIAGNOSIS FROM MEDICAL IMAGES	YES	SCOPUS
26	S.MOHAN	CSE	MOBILE APP FOR REMOTEACCESS OF LIBRARY E-RESOURCES	YES	UGC CARE
27	S.RINESH	CSE	COMPUTER VISION ASSISTED DEEP LEARNING ENABLED GAS PIPELINE LEAK DETECTION FRAMEWORK	YES	SCOPUS
28	DR.S.V.DIVYA	CSE	OBSTACLE DETECTION IN RAILWAYS USING IOT	YES	UGC CARE
29	DR.T.KALAIKUMARAN	CSE	E-WALLET AND G-WALLET IN E-COMMERCE PLATFORMS	YES	UGC CARE
30	G.NEELAMEGAM	CSE	MULTI-AGENT SYSTEMS FOR AUTONOMOUS IOT NETWORK MANAGEMENT USING DISTRIBUTED REINFORCEMENT LEARNING	YES	SCOPUS
31	G.NEELAMEGAM	CSE	TRANSFORMING BIG DATA CHALLENGES INTO OPPORTUNITIES: AN IN-DEPTH ANALYSIS OF MICROSOFT POWER BI FOR ANALYTICS AND VISUALIZATION	YES	SCOPUS
32	S.MOHAN	CSE	GUEST ROLE OF COMPUTER	NO	NIL
33	S.MOHAN	CSE	FUTURE MAGIC SIM	NO	NIL
34	S.MOHAN	CSE	E-WALLET AND G-WALLET USING IN E-COMMERCE PLATFORMS	NO	NIL
35	S.MOHAN	CSE	CONSTANT VARIANT IN FOURIER TRANSFORMATION USING DIGITAL IMAGE PROCESSING	NO	NIL
36	S.MOHAN	CSE	MOBILE APP FOR REMOTEACCESS OF LIBRARY E-RESOURCES	NO	NIL
37	S.VIGNESHWARI	CSE	CROP AND PEST IDENTIFICATION NATURAL LANGUAGE PROCESSING NPL	NO	NIL
38	M.RAMADEVI	CSE	ADVANCEMENT IN DEEP LEARNING SHAPING THE FUTURE OF TECHNOLOGY	NO	NIL
39	VAISHNAVI KARTHIGA	CSE	PREDICTION OF EARTHQUAKES USING DEEP LEARNING ALGORITHMS	NO	NIL

40	P.KOHILA	CSE	ENERGY TRANSITIONS IN MOLECULES ARE PREDICTED USING QUANTUM MECHANICAL COMPUTATIONS	NO	NIL
41	G.NEELAMEGAM	CSE	INCORPORATING 5G NR SIDELINK WITH MQTT TO MAXIMIZE ENERGY EFFICIENCY IN IOT ENABLED MICROGRIDS	YES	SCOPUS
42	DR.S.V.DIVYA	CSE	IOT AWARE TVERSKY CORRELATED PIECEWISE REGRESSIVE MERKLE-HELLMAN KNAPSACK CRYPTOSYSTEM FOR SECURE INDUSTRIAL DATA STORAGE IN CLOUD	YES	SCOPUS
43	DR.S.V.DIVYA	CSE	QUANTUM LAMPORT ONE TIME DIGITAL SIGNATURE CRYPTOGRAPHY FOR SECURED DATA COMMUNICATION FOR INDUSTRIAL IOT	YES	SCOPUS
44	DR.S.V.DIVYA	CSE	SIGNCHATAI-GENERATIVE AI FOR DEAF AND MUTE COMMUNITY USING INDIAN SIGN LANGUAGE(ISL)	YES	SCOPUS
45	DR.S.V.DIVYA	CSE	A MULTILAYER ENCRYPTION AND ANOMALY DETECTION FRAMEWORK FOR SECURING SCTP DATA TRANSMISSION	YES	SCOPUS
46	DR.S.V.DIVYA	CSE	AN INTEGRATED XGBRF FRAMEWORK FOR EARLY IDENTIFICATION OF PARKINSON'S DISEASE	YES	SCOPUS
47	DR.S.V.DIVYA	CSE	MITRE ATLAS THREAT INTELLIGENCE FRAMEWORK (MATIF)	YES	SCOPUS
48	S.RINESH	CSE	EVALUATING THE TYPE2 FUZZY LOGIC CONTROLLER WITH MULTILAYER PERCEPTRONS FOR OPTIMAL TRACKING OF SOLAR PHOTOVOLTAIC SYSTEMS	YES	SCOPUS, WEB OF SCIENCE
49	G.NEELAMEGAM	CSE	TRANSFORMING BIG DATA CHALLENGES INTO OPPORTUNITIES: AN IN-DEPTH ANALYSIS OF MICROSOFT POWER BI FOR ANALYTICS AND VISUALIZATION	YES	SCOPUS
50	S.MOHAN	CSE	GLUE LANGUAGES	YES	UGC CARE
51	M.RAJASEKAR	CSE	UAV-BASED OBJECT TRACKING USING SIAMESE NETWORKS AND KALMAN FILTERING	YES	SCOPUS
52	S.MOHAN	CSE	CODE INTEROPERABILITY	YES	UGC CARE
53	S.MOHAN	CSE	INDISCERNIBLE DATA SET IS USED IN SOFT COMPUTING FOR DISEASES DIAGNOSIS	YES	UGC CARE
54	M.RAJASEKAR	CSE	RECTAL FUNDUS IMAGE RECOGNITION USING DEEP ENSEMBLE CNN MODELS	YES	SCOPUS

55	S.MOHAN	CSE	BIG DATA AND CLOUD COMPUTING IMPLEMENT THROUGH HADOOP	YES	UGC CARE
56	S.RINESH	CSE	CASE STUDY ON FLYOVER CONSTRUCTION AND THE AIR QUALITY MEASUREMENT BY THE EMISSION LEVEL OF POLLUTANT	YES	SCOPUS
57	A.SABINA PARVEEN	CSE	IDENTIFYING AND FILTERING THE SEA AND RIVER WATER WASTAGES BY USING AI (CNN) AND GPS TECHNOLOGY	YES	SCOPUS
58	DR G SEKAR	ECE	SENSOR ENABLED VEHICLE PARKING SYSTEM USING BLYNK IOT APPLICATION	YES	SCOPUS
59	DR G SEKAR	ECE	DISTENDED PIXEL REPLACEMENT METHOD FOR ENHANCING VISUAL QUALITY OF LOW-LIGHT IMAGES	YES	SCOPUS
60	DR.D.SHAMIA	ECE	COLLABORATIVE HEALTHCARE DATA MANAGEMENT FRAMEWORK USING PARALLEL COMPUTING AND THE INTERNET OF THINGS	YES	SCOPUS
61	R.KIRUTHIKA	ECE	EXPLORING THE FRONTIERS: INNOVATIONS IN SEMICONDUCTOR TECHNOLOGY AND AI-DRIVEN SOC DESIGN		
62	DR T SIVAPRAKASAM	ECE	TWO-FOLD BOOST SWITCHED CAPACITOR INVERTER WITH MINIMUM SWITCHES	YES	SCOPUS
63	DR D SHAMIA		ENHANCING SKIN CANCER CLASSIFICATION WITH MIX UP DATA AUGMENTATION AND EFFICIENT NET	YES	SCOPUS
64	MRS.V.VAISHNAVI	ECE	HARDWARE IMPLEMENTATION OF DELAY EFFICIENT CDMA ARCHITECTURE FOR NOC APPLICATIONS	NO	
65	DR G SEKAR	ECE	A NOVEL HYBRID CNN-LSTM FRAMEWORK WITH ANT COLONY OPTIMIZATION FOR ROBUST FAKE NEWS DETECTION	YES	SCOPUS
66	DR G SEKAR	ECE	DOUBLE BOOST SWITCHED CAPACITOR MULTI-LEVEL INVERTER WITH MODIFIED VFPOD-PWM CONTROL	YES	SCOPUS
67	SHEIK SIDTHIK A	EEE	A SHORT REVIEW ON THE KEY INDICATORS OF AGEING STUDIES CONDUCTED ON INSULATING OIL	YES	SCOPUS
68	SHEIK SIDTHIK A	EEE	MATHEMATICAL DESIGN AND NUMERICAL OPTIMIZATION OF ADDITIVES IN TRANSFORMER OIL USING RSM CCD	YES	SCOPUS
69	P PRADEEPA	EEE	ENSEMBLE DEEP LEARNING MODELS FOR EFFICIENT PREDICTION OF RICE PLANT LEAF DISEASES VIA TRANSFER LEARNING	YES	SCOPUS

70	M VARATHARAJ	EEE	FIELD ORIENTED CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTOR WITH D-Q AXIS DECOUPLING USING FEED FORWARD COMPENSATION	YES	SCOPUS
71	D PRIYADHARSHINI	EEE	IOT BASED RAILWAY LEVEL CROSSING GATE CONTROL SYSTEM	YES	SCOPUS
72	S DHAS BENSAM	EEE	AN ENHANCED ELECTRIC VEHICLE MONITORING SYSTEM USING IOT	YES	SCOPUS
73	G BANU	EEE	LORA TUNNEL WORKER WELLNESS MANAGEMENT SYSTEM	YES	SCOPUS
74	DR. D. PHILIP SELVARAJ	MECHANICAL	EFFECT OF MACHINING PARAMETERS ON AVERAGE SURFACE ROUGHNESS DURING COMPUTER NUMERICAL CONTROLLED DRY MILLING OF HIGH STRENGTH AISI 420 MARTENSITIC STAINLESS STEEL	YES	SCOPUS
75	DR. D. PHILIP SELVARAJ	MECHANICAL	EFFECT OF MACHINING PARAMETERS ON THE MACHINABILITY OF 15-5 PRECIPITATION HARDENED STAINLESS STEEL DURING DRY TURNING	YES	SCOPUS
76	DR. V. VELMURUGAN	MECHANICAL	ADVANCING VISCOELASTIC MATERIAL MODELING: TACKLING TIME DEPENDENT BEHAVIOR WITH FRACTIONAL CALCULUS	YES	SCOPUS
77	DR. V. VELMURUGAN	MECHANICAL	WIRELESS SENSOR NETWORKS WITH MODULAR METRIC SPACES	YES	SCOPUS
78	DR.R. SATHISHBABU	MECHANICAL	ENHANCED COMBUSTION AND EMISSION CHARECTERISTICS OF DIESEL-ALGAE BIODIESEL- HYDROGEN BLENDS IN A SINGLE- CYLINDER DIESEL ENGINE	YES	SCOPUS
79	MR. P. SRINIVASAN	MECHANICAL	MECHANICAL AND THERMAL CHARECTERIZATION OF PARAFFIN- BASED HYBRID ROCKET FUELS.	YES	SCOPUS

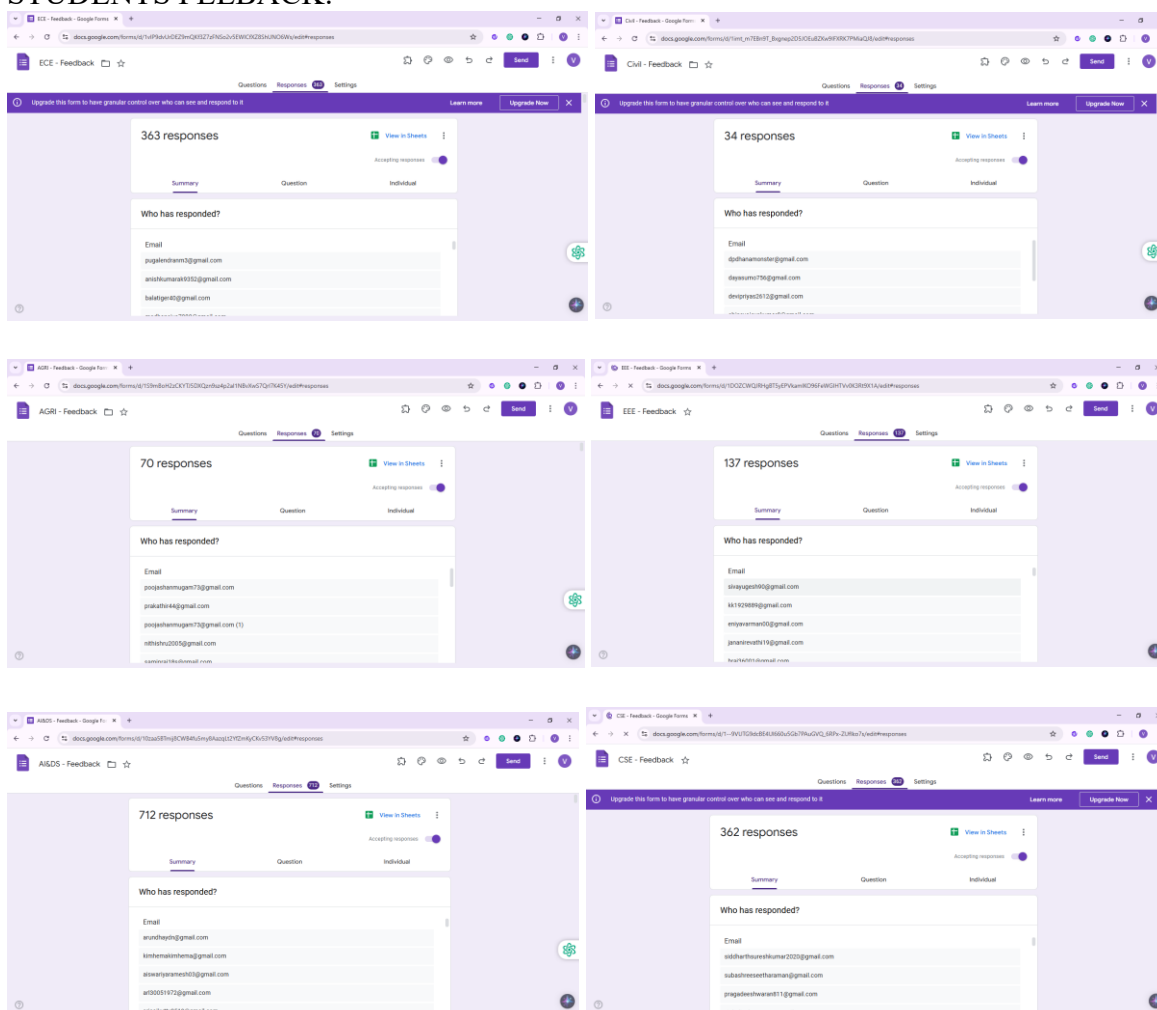
VI. Feedback and Improvement

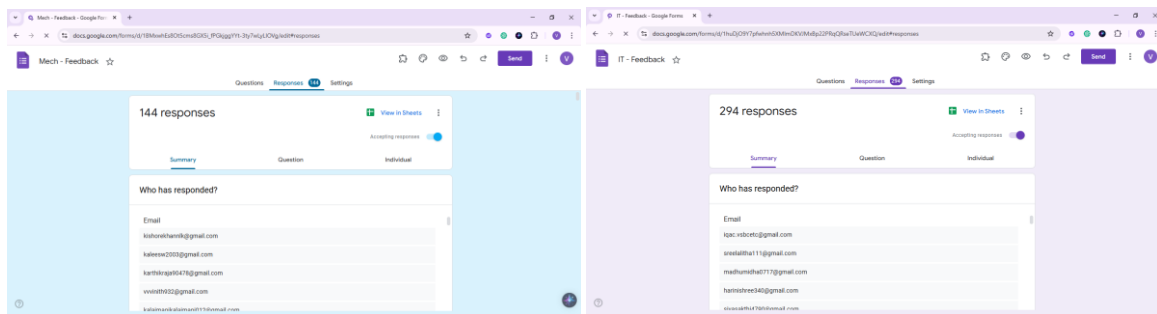
a. Feedback Collected From

As part of the quality assurance process, structured feedback was collected periodically from various stakeholders using both online and offline methods. The feedback focused on curriculum relevance, teaching effectiveness, infrastructure, student support, and career preparation.

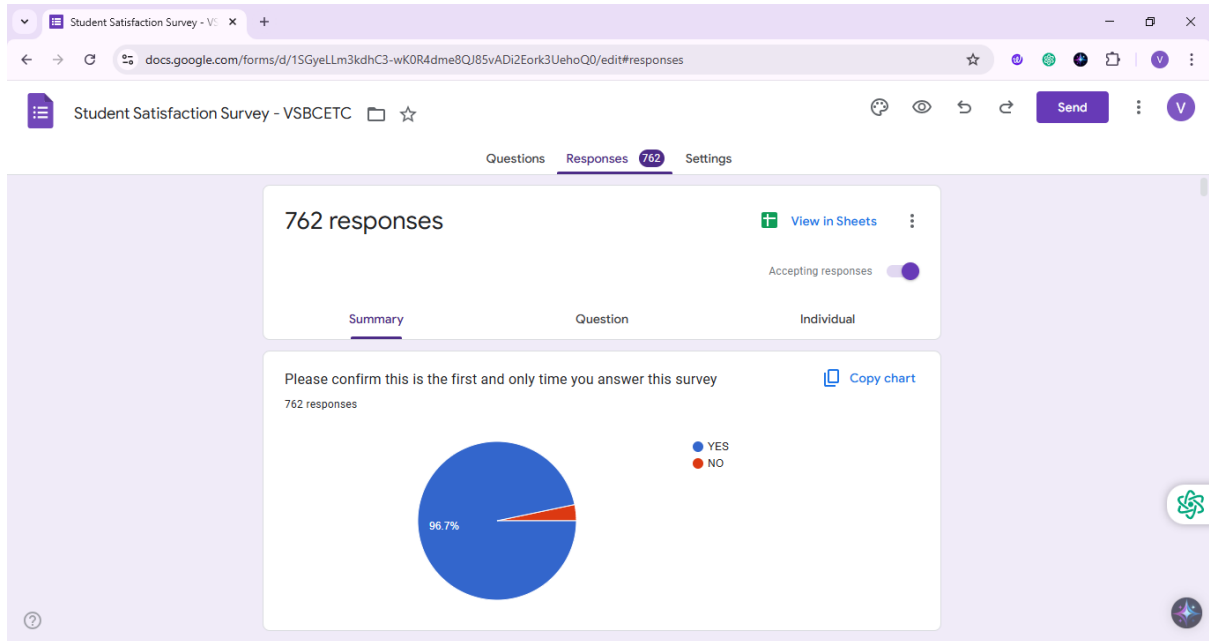
Stakeholder	Mode of Collection	Frequency	Feedback Received
Students	Online Google Forms	End of Each Semester	1000+ students
SSS	Online Google Forms	Once a Year	500+ alumni
Faculty	Online Google Forms	Once per semester	200+ faculty members
Infrastructure	Online Google Forms	Once a year	50+ Stack holders

STUDENTS FEEDBACK:

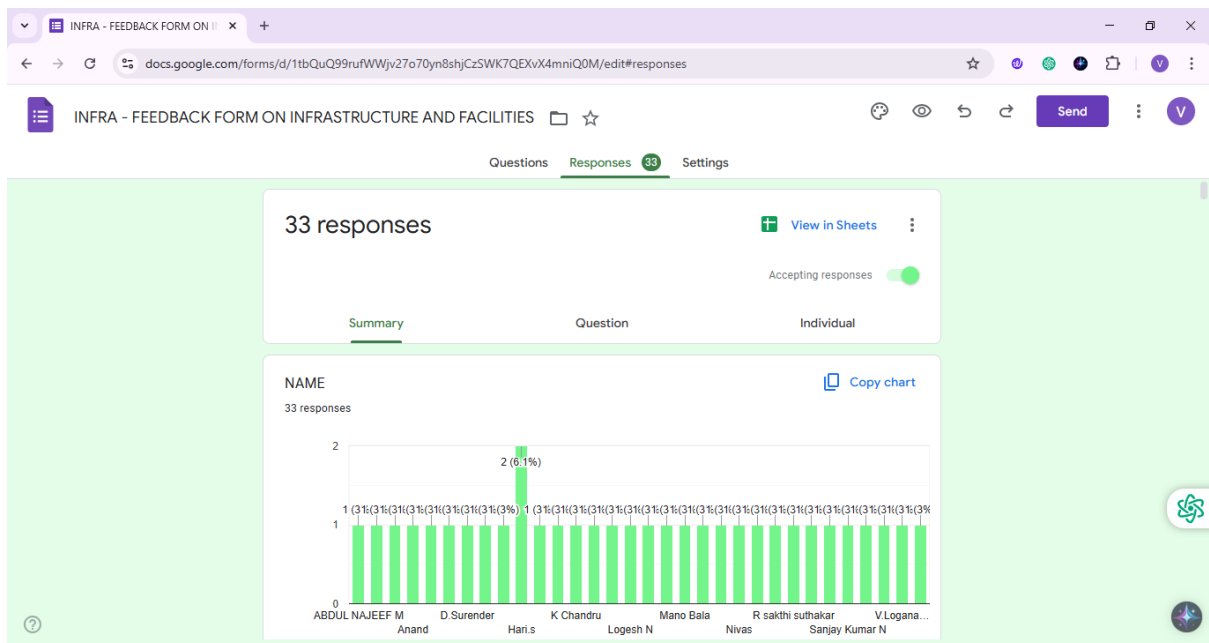




STUDENTS SATISFACTION SURVEY:



FEEDBACK FORM ON INFRASTRUCTURE AND FACILITIES



VII. Academic & Administrative Audit

a. Internal Audit Summary:

The IQAC Committee, in collaboration with internal subject matter experts, conducted comprehensive internal audits of all academic and administrative departments.

Frequency: Audits were conducted periodically, ensuring consistent and regular monitoring of departmental activities.

Audit Scope: The audits covered various aspects, including:

- **Academic Processes:** Curriculum delivery, teaching-learning methodologies, assessment procedures, student performance analysis, adherence to academic calendar, and implementation of Outcome-Based Education (OBE).
- **Administrative Processes:** Documentation, record-keeping, resource utilization, compliance with institutional policies, and effectiveness of support services.
- **Faculty Performance:** Teaching load, research engagement, participation in FDPs, and student feedback.
- **Student Support:** Effectiveness of mentoring, counseling, and remedial classes.
- **Infrastructure Utilization:** Optimal use and maintenance of labs, library, and other facilities.

b. External Audit Summary:

To gain an independent and objective assessment of its quality processes, VSB College of Engineering Technical Campus engaged an external auditing agency.

- **Auditing Agency:** Aassaan Educare Foundation / Aassaan Accreditation Private Limited.
- **Date of Audit:** September 17th, 2024.
- **Scope of Audit:** The external audit provided a holistic review of the institution's academic quality, governance, infrastructure, research, student support, and overall adherence to quality benchmarks. It assessed the effectiveness of the IQAC in promoting a culture of quality and continuous improvement.

c. Improvements Based on Audit:

The feedback and recommendations from both internal and external audits serve as crucial inputs for strategic planning and initiating improvement actions. The following actions have been taken post-audit feedback during the academic year [Insert Academic Year, e.2024-2025] or are in progress:

- **Curriculum Enhancement & Industry Alignment:**
 - **Action:** Formed specialized committees (including industry experts and alumni) to review and update syllabi, particularly focusing on incorporating more interdisciplinary modules and industry-relevant electives as suggested by external audit feedback.
 - **Outcome:** Several new specialized electives planned for introduction in the next academic cycle.

Faculty Development:

- **Action:** Organized targeted Faculty Development Programs (FDPs) based on identified areas from internal audits, such as advanced pedagogical techniques, specialized software training, and outcome-based assessment methods.
- **Outcome:** Improved teaching effectiveness and faculty readiness for new curriculum elements.

Compliance and Documentation:

- **Action:** Conducted training sessions for administrative staff on improved record-keeping, data management, and compliance procedures to ensure adherence to all regulatory and internal guidelines.
 - **Outcome:** Enhanced accuracy and accessibility of institutional data.
-

VIII. Plan of Action for Next Academic Year (2025–2026)

a. Institutional Goals

Goal	Planned Actions
NAAC -AQAR	Strengthen documentation and initiate pre-visit readiness measures.
NIRF Participation	Improve the college's standing in the National Institutional Ranking Framework (NIRF) in the Engineering category, aiming for a significant leap in the band or achieving a rank within the top 200-300 nationally
NBA Accreditation for UG Programs	Prepare and submit the compliance report for the ECE and EEE departments.
Green & Energy Audit Certification	Partner with external agencies for eco-initiatives and energy audit documentation
ISO 21001:2018 (Educational Quality Management)	Begin orientation and implementation of quality standards at institutional level
Institutions Innovation Cell	Aim to achieve a 4-star rating or higher in the next academic year

b. Quality Enhancement Strategies

Focus Area	Planned Strategies
Outcome-Based Education (OBE)	Refine CO-PO mapping, introduce rubrics, and train faculty on assessment tools
Faculty Development	Organize 6+ FDPs including pedagogy, NEP-2020, research funding, and digital tools
Industry Collaboration	Sign 10 new MoUs with core industries and organize joint certification programs
Research Promotion	Allocate internal seed funding and incentivize journal publications
Digital Learning	Full-scale deployment of Moodle LMS and integration with assessment tools
Student Support	Expand mentoring, soft skills training, and career guidance through Alumni connect
