



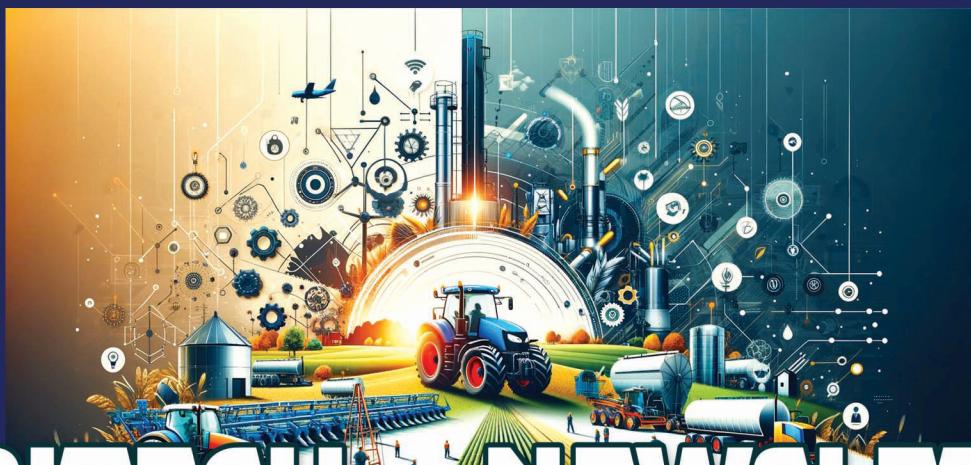
Kongunadu

College of Engineering & Technology
[Autonomous]

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA(CSE,ECE,EEE & MECH), Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution)

Namakkal - Trichy Main Road, Tholurpatti (P.O.), Thottiyam (TK), Trichy (Dt.) - 621 215.

DEPARTMENT OF AGRICULTURAL ENGINEERING



AGRITECH - NEWSLETTER

Contents

- PEO/PSO/PO
- Quality Policy of the Institute
- Department Achievements
- Staff Achievements
- Student Achievements
- College Vision / Mission
- Department Vision/Mission

Program Educational Objectives (PEOs)

PEO I : Graduates shall become agricultural professionals with specialization in irrigation, farm equipments, post harvest and renewable energy along with automation.

PEO II : Graduates shall able to design and develop optimistic products for the benefits of farmer and society.

PEO III : Graduates shall have professional ethics, team spirit, life-long learning, adopt corporate culture, core values and leadership skills and communication skills.

Program Specific Outcomes (PSOs)

PSO 1 : Professional skills : Students shall understand, analyze, design and develop agricultural equipments to meet the requirements of farmer and industry.

PSO 2 : Competency : Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

Program Outcomes (POs)

Engineering Graduates will be able to:

- **Engineering knowledge :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

- **Problem analysis :** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- **Design / development of solutions :** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **Conduct investigations of complex problems :** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

- **Modern tool usage :** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- The engineer and society :** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- Environment and sustainability :** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- Ethics :** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- Individual and team work :** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- Communication :** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- Project management and finance :** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- Life Long Learning :** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Quality Policy of the Institute

To strive continuously for producing the best result in terms of Knowledge, Self-Discipline and application of the Knowledge acquired.

Department Achievements

Department of Agricultural Engineering organized Five Days Virtual Faculty Development Program on "Emerging Trends and Technologies in Agricultural Engineering" from 12th May 2025 to 16th May 2025.

Acharya N.G Ranga Agricultural University

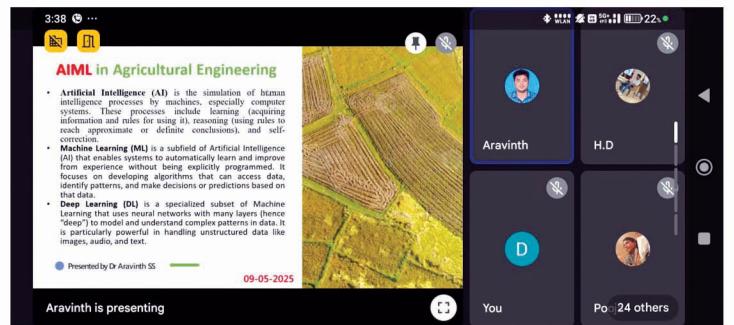
Dr. NTR College of Agricultural Engineering
Bapatla – 522101

Processing and Value Addition of Millets and Traditional Crops

Presented by

Dr. K. LAVANYA
Assistant Professor
Department of Processing and Food Engineering

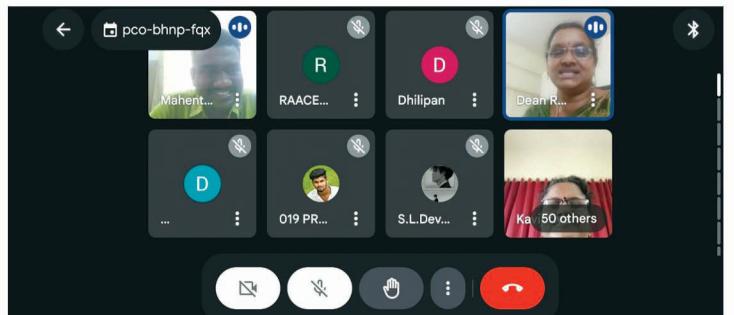
Department of Agricultural Engineering conducted Online Seminar on "Machine Learning Applications in Smart Agriculture and Crop Management" was presented by Dr. S. S. Aravindh, Associate Professor, Department of Computer Science Engineering, KL University, Vijayawada, Andhra Pradesh on 9th May 2025.



Department of Agricultural Engineering conducted Hackathon on "Agri Tech 2.0" for 24 hours from 25th Mar 2025 to 26th Mar 2025.



Department of Agricultural Engineering organized a National Level Conference on "Recent Advancements in Agricultural and Civil Engineering (RAACE'25)" was presented by Dr.S.Mahenthiran,M.E.,Ph.D., Associate Professor and HoD, Department of Environmental and Water Resource Engineering, Vellore Institute of Technology, Vellore held on 15th Mar 2025.



Department of Agricultural Engineering is organized TNSCST sponsored National Level Seminar on "Applications of GIS in Agricultural Resource Management" was presented by Dr.C.Meiaraj,M.E.,Ph.D., Professor and HoD, Department of Civil Engineering, Government College of Engineering, Tirunelveli held on 22th Feb 2025.



● Program Conducted by the Green Club

Green club organized workshop on “Importance of Water Conservation in Changing Climate” was presented by Mr.R.Thirukannan,M.A, president Youth Exnora, Trichy on 3rd April 2025.



Green Club conducted poster presentation on “Climate Change Effect on Food Security and Economic Growth” was presented by Dr.N.Sudha, Head of Chemistry, Kongunadu College of Engineering and Technology on 29th March 2025.



● Student Association Program

Department of Agricultural Engineering and Agricultural Engineering Students Association organized Workshop on “Recent Trends in Tractor, Agricultural Machinery and Entrepreneurial Opportunities” was presented by Mr.N.Meganathan, Managing Partner, Kongunad Tractors, Namakkal on 27th Mar 2025.



Department of Agricultural Engineering and Agricultural Engineering Students Association organized Seminar on “Innovative Design and Fabrication of Windmill Equipment for Agricultural Applications” was presented by Mr.S.Saravanan, Alumini (Batch 2014 to 2017), Senior Engineer, Larsen and Toubro Ltd, Chennai on 17th Mar 2025.



Department of Agricultural Engineering and Agricultural Engineering Students Association organized Workshop on “Advancements in Drip Irrigation Systems: Enhancing Water Efficiency in Agriculture” was presented by Mr.P.Sengottaiyan, Senior Manager, Jain Irrigation System Ltd, Coimbatore on 07th Feb 2025.



Department of Agricultural Engineering and Agricultural Engineering Students Association organized Workshop on “Practical Insights on Drip and Sprinkler Irrigation” was presented by Mr.R.Ravichandran, Assistant General Manager, Mahindra EPC Irrigation Ltd, Tamil Nadu Branch. on 28th Jan 2025.



● ISAE Activities

Indian society of Agricultural Engineers (ISAE) organized Guest Lecture on “Unearthing the Fundamentals of Subsurface Hydrology” handled by Dr.M.Annie Jenifer, Assistant Professor (Sr.Gr.), VIT School of Agricultural Innovations and Advanced Learning, Department of Agriculture, Vellore on 22th February 2025.



Indian society of Agricultural Engineers (ISAE) organized Seminar on “Sustainable Agriculture for a Greener Future” by Mr.S.Sugumar, Lead Engineer, HCL Technologies, Chennai Institute of Technology, Vellore on 08th February 2025.



● Staff Achievements

● Publication

● Book/Manual:

1. Dr.V.Gopinath, Mr.M.Prabhu, Ms.R.Kavinila, "Thermodynamics and Heat Transfer", The Charulatha Publications, Chennai, June 2025, ISBN NO.: 978-93-49002-01-2.

2. Dr.P.Dineshkumar, Mr.S.Satheeshkumar, Ms.G.Veera Karunya "Hydraulics and Hydraulic Pumps", The Charulatha Publications, Chennai, June 2025, ISBN NO. : 978-93-49002-02-9.

3. Ms.R.Kavinila, Mr.N.Mukilan, Ms.B.Bhavadharani, "Unit Operations in Agricultural Processing", The Charulatha Publications, Chennai, June 2025, ISBN NO. : 978-93-49002-35-7.

● Journals:

1. Ratchagaraja Dhairiyasamy, Deepika Gabriel, Gopinath Varudharajan, Jegan Manickam Manivannan, Beena Stanislaus Arputharaj, Mohammed Al Awadh, Qasem M. Al-Mdallal "Impact of Coated Silver Nanoplates on the thermal Efficiency of Heat Pipes Under Varying Operating Conditions" Case Studies in Thermal Engineering, Vol.67, 105662.

2. Shanker Rajukkannu, Ratchagaraja Dhairiyasamy and Gopinath Varudharajan, "Efficiency Improvement in Silicon and Perovskite Solar Cells Through Nanofluid Cooling Using Citrate and PVP Stabilized Silver Nanoparticles" Scientific Reports.

3. D.Vasudevan, D.Senthil Kumar, M.Venkatesan, A.Kumaravel, P.Dineshkumar, A.Sankar, "Study of Reduced Graphene Oxide-Based Nanofluids Properties for Heat Transfer Applications", Digest Journal of Nanomaterials and Biostructures, Vol.20, No.2, P.633-641, <https://doi.org/10.15251/DJNB.2025.202.633>.

4. Dineshkumar Periannan, Ratchagaraja Dhairiyasamy, Deekshant Varshney, Subhav Singh, Bahaa Saleh, Ahmed Hadsan, "Enhancing Heat Pipe Efficiency Using Silver Nanomaterial Nanofluids: A Hybrid Approach with Carbon Nanotubes, Graphene and Quantum Dot-MOS Compositions" RevistaMateria, Vol.3.

5. Sivakumar Jaganathan, Venkatasudhahar Murugesan, Dineshkumar Periannan, Jegan Manickam Manivannan, Subhav Singh, Deekshant Varshney and Ratchagaraja Dhairiyasamy, "Oxidative Degradation and Performance of Jatropha Biodiesel Blends: Implications for Clean Energy and Sustainability", Global Nest, V.27,- No.3, 06833.

6. Prabhakaran Sivaraman, Visagavel Kolandaivel, Mukilan Natesan, Ratchagaraja Dhairiyasamy "Emission Reduction and Efficiency Gains in LHR Engines Using Natural Antioxidants in Biodiesel Blends" International Journal of Automotive Technology.

7. Prabhu Alphonse, Veera Karunya Gunasekaran, Ratchagaraja Dhairiyasamy, Deekshant Varshney, Subhav Singh, Deepika Gabriel "Comparative Analysis of Nanomaterials in Heat Pipe Performace Under Variable Operational Conditions", Revista Materia, ISSN No:1517-7076 Volume 29, No.4.

8. R.Dhairiyasamy, M.Venkatasudhahar, Sundranan Mahendren, B.Saleh, D.Varshney, S.Singh, "Enhanced Heat Transfer In Copper Heat Pipes Using Hybrid Nanofluids : Experimental and RSM Analysis", Digest Journal of Nanomaterials and Biostructures, Vol.2, No.1, P.287-300, <https://doi.org/10.15251/DJNB.2025.201.287>.

9. Ratchagaraja Dhairiyasamy, Kavinila Rajendran, Deekshant Varshney, Subhav Singh, Deepika Gabriel, Elangovan Murugesan, "Experimental Analysis of Silver Nanoparticles In Heat Pipes: A Comparative Study of Nanosphere and Nanocube Morphologies", Materials and Technology Vol.59, No.3, P.373–382, <https://doi:10.17222/mit.2024.1349>.

● Conference:

1. Ms.B.Bhavadharani, "Design and Fabrication of A Coconut Dehusking Machine with Conveyor System", International Conference on "Innovations in Engineering, Computing and Smart Technologies-ICIECST-2025" held at Sree Sakthi Engineering college on 29th Mar 2025.

2. Ms.B.Bhavadharani, "Development of a Green Coconut Trimming Machine", International Conference on "Innovations in Engineering, Computing and Smart Technologies - ICIECST-2025" held at Sree Sakthi Engineering college on 29th Mar 2025.

3. Dr. P. Dineshkumar, "Automated Tomato Picker Machine Using IoT", International Conference on "Innovations in Engineering and Sciences - ICITES 25" held at Bannari Amman Institute of Technology, Sathyamangalam on 26th Mar 2025 to 27th Mar 2025.

4. Dr.V.Gopinath, "Design and Performance Analysis of a Power Weeder Using C Type Blade", International Conference on "Computational Intelligence and Industry 5.0 - ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

5. Dr.P.Dineshkumar, "Performance Evaluation of a Paddy Thresher with Integrated Blower and Vibration Damper", International conference on "Computational Intelligence and Industry 5.0 - ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

6. Mr.S.Satheeshkumar, "Modelling and Analysis of Agriculture Belt Type Power Weeder for Small Farmer", International Conference on "Computational Intelligence and Industry 5.0 - ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

7. Ms.G.Veera Karunya, "Production of Mulching Sheets Utilizing Coffee Cherry Beans as Raw Material", International Conference on "Computational Intelligence and Industry 5.0 – ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

8. Mr.S.Sundharan, "Design and Modelling of Solar Dryer Using Solidworks Software", International Conference on "Computational Intelligence and Industry 5.0 – ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

9. Ms.R.Kavinila, "Solar Powered Paddy Transplanter operation", International Conference on "Computational Intelligence and Industry 5.0 – ICCII-2025" held at Velammal Institute of Technology, Chennai on 21st Mar 2025 to 22nd Mar 2025.

10. Mr.N.Mukilan, "IOT based smart irrigation with automated salt removal for drip irrigation" National Conference on "Recent Advancement in Agricultural and Civil Engineering (RAACE-2025) held at Kongunadu college of Engineering and Technology on 15th Mar 2025.

11. Mr.M.Prabhu, "Fabrication of groundnut thresher cum cleaner", National conference on "Recent advancement in Agricultural and Civil Engineering (RAACE-2025) held at Kongunadu college of Engineering and Technology on 15th Mar 2025.

12. Dr.G.Kiruthika, "Analysis of frequent clogging issues in mini sprinkler irrigation system nozzles", National Conference on "Recent advancement in Agricultural and Civil Engineering (RAACE-2025) held at Kongunadu college of Engineering and Technology on 15th Mar 2025.

13. Ms.R.Kavinila, "Production of Mulching Sheet Using Coffee Cherry Beans as a Raw Material", National Conference on Revolutionizing Agriculture for an Innovative and Sustainable Ecosystem (RAISE-2025) held at PGP college of Agriculture Science, Namakkal on 28th Feb 2025.

14. Mr.M.Sundharan "Enhancing Seed Dynamics Through Nanotechnology: A Sustainable Approach to Agriculture" National Conference on "Revolutionizing Agriculture for an Innovative and Sustainable Ecosystem (RAISE-2025) held at PGP college of Agriculture Science, Namakkal on 28th Feb 2025.

● **Programs attended by staff**

● **FDP**

1. Dr.P.Dineshkumar, Dr.G.Kiruthika, Mr.S.Satheesh kumar Mr.M.Prabhu, had participated in One Week Faculty Development Programme on "Next Generation Renewable Energy Technologies: Transformative Approaches for Sustainable Development" organised by Department of Mechanical Engineering, Swami Keshvanand Institute od Technology, Management & Gramothan, Jaipur during 06th May 2025 to 10th May 2025.
2. Mr.S.Satheeshkumar, had attended short term Faculty Development Programme on "Groundwater Hydrology and Management" by NPTEL during Jan-Apr 2025.
3. Dr.P.Dineshkumar had attended short term Faculty Development Programme on "Basics of Mechanical Engineering-2" by NPTEL during Jan-Apr 2025.
4. Dr.P.Dineshkumar, Dr.G.Kiruthika, Ms.R.Kavinila, Mr.M.Sundharan, Ms.G.Veera karunya and Ms.B.Bhavadharani had participated in Five-Days ISTE and IEEE sponsored Faculty Development Programme on "Introduction to Smart Grids and their Applications in Modern Power Systems" organised by Department of EEE, Poornima College of Engineering during 07th April 2025 to 11th April 2025.
5. Dr.P.Dineshkumar & Mr.M.Prabhu had attended short term Faculty Development Programme on "Mechanics of Machining" by NPTEL during Jan-Mar 2025.
6. Mr.M.Sundharan & Ms.B.Bhavadharani had participated in AICTE Faculty Development Programme titled "AI and Cloud Based Tools for Research" conducted by NITTTR, at Kongunadu College of Engineering & Technology, Trichy from 24th Mar 2025 to 28th Mar 2025.
7. Dr.G.Kiruthika & Ms.R.Kavinila had participated in AICTE Faculty Development Programme titled "Methods of Research and Publication Ethics" conducted by NITTTR, at Kongunadu College of Engineering & Technology, Trichy from 17th Feb 2025 to 21th Feb 2025.
8. Dr.V.Gopinath, Dr.P.Dineshkumar, Mr.N.Mukilan & Ms.R.Kavinila had participated and completed AICTE and ATAL Faculty Development Programme on "Thermal Polygeneration for Sustainable Energy Development" at Dr.B.R.Ambedkar National Institute of Technology from 10th Feb 2025 to 15th Feb 2025.
9. Dr.P.Dineshkumar & Mr.M.Prabhu had participated and completed One Week Online Faculty Development Programme on "Emerging Trends in Mechanical Engineering" organised by Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram from 10th Feb 2025 to 15th Feb 2025.
10. Ms.R.Kavinila & Ms.B.Bhavadharani had participated in AICTE Faculty Development Programme on titled "Science, Technology and Innovation for Sustainable Development" conducted by NITTTR at Kongunadu College of Engineering & Technology, Trichy from 27th Jan 2025 to 31st Jan 2025.
11. Dr.P.Dineshkumar had attended Five Days Faculty Development Programme on "Smart Cities: Emerging Solutions and Sustainability" organised by Swami Keshvanand Institute of technology, Management & Gramothan, Jaipur from 27th Jan 2025 to 31st Jan 2025.

12. Dr.P.Dineshkumar had completed five days International Faculty Development Programme on “Application of AI in Electrical Vehicles: Challenges and Opportunities” organized by Department of Basic Science and Humanities in association with Human Resource Development Centre from 20th Jan 2025 to 25th Jan 2025.

13. Dr.P.Dineshkumar, Mr.N.Mukilan, Dr.G.Kiruthika, Mr.M.Sundharan had attended ATAL One Week Faculty Development Programme on “Innovative Approaches to ENERGY, Sustainability and Climate Resilience: Teaching and Research Strategies for a Greener Future” organised by Nandha Engineering College, Erode from 16th Dec 2024 to 21st Dec 2024.

14. Dr.P.Dineshkumar, had attended five days Faculty Development Programme on “Chemical Process Safety” organised by Department of Chemical Engineering, Sinhgad College of Engineering, Pune from 16th Dec 2024 to 20th Dec 2024.

15. Dr.G.Kiruthika, Mr.S.Satheeshkumar, Mr.M.Sundharan had attended short term course on “River basin Management: Theory and Practice” organized by NIT Rourkela from 28th Nov 2024 to 02nd Dec 2024.

16. Dr.G.Kiruthika, Mr.S.Satheeshkumar, Mr.M.Sundharan had attended One Week Faculty Development Programme on “Outcome Based Education and Accreditation Process” organised by NITTTR Chandigarh from 25th Nov 2024 to 29th Nov 2024.

17. Dr.P.Dineshkumar, Mr.N.Mukilan & Ms.R.Kavinila had attended short term Faculty Development Programme on “Natural Resource Management” by NPTEL during July-Oct 2024.

18. Dr.V.Gopinath had attended short term Faculty Development Programme on “Thermal Operation in Food Process Engineering: Theory and Applications” by NPTEL during July-Oct 2024.

NPTEL

1. Mr.S.Satheeshkumar (Elite) had successfully completed the 12-week course in “Groundwater Hydrology and Management”.

2. Dr.P.Dineshkumar (Topper) and Mr.M.Prabhu (Topper) had successfully completed the 12-week course on “Principal of Industrial Engineering”.

3. Dr.P.Dineshkumar (Elite) and Mr.M.Prabhu (Elite) had successfully completed the 12-week course on “Basics of Mechanical Engineering-2”.

4. Dr.P.Dineshkumar (Topper) and Mr.M.Prabhu had successfully completed the 8-week course on “Mechanics of Machining”.

Seminar/Webinar

1. Dr.P.Dineshkumar, Dr.G.Kiruthika, B.Bhavadharani, R.Kavinila & G.Veerakarunya had participated in one day workshop on “Research methodology in commerce and management” organised by department of commerce and management, Shri Muktanand College Gangapur on 03rd Mar 2025.

2. Dr.G.Kiruthika had participated in the online webinar titled “Soil Mechanics Fundamentals and Applications” organised by Department of Civil Engineering, Annapoorna Engineering College, Salem held on 28th Feb 2025.

3. Dr.P.Dineshkumar had participated in one day online national workshop on “Research Methodology in Sustainable Development” organised by department of economics, Shri Muktanand College Gangapur on 24th Feb 2025.

4. Dr.G.Kiruthika had participated in the National webinar titled “Biodiversity at Crossroads: Lichens and Plants in a Changing World” hosted by Department of Botany, SKR Government Degree college (women), Rajamahendravaram held on 22nd Feb 2025.

5. Mr.M.Sundharan had attended the national level online workshop on “AI Tools in Teaching” organized by Science Department and IQAC, Royal College of Arts, Science and Commerce, Thane held on 15th Feb 2025.

6. Dr.P.Dineshkumar, Dr.G.Kiruthika, N.Mukilan, R.Kavinila & G.Veera Karunya, had participated in the seminar on “Digital Innovations in Civil Engineering : Advancing Water Infrastructure and Geospatial Intelligence” organized by Department of Civil engineering, Sri Venkateswara College of Engineering, held on 12th Feb 2025.

7. Mr.S.Satheeshkumar had participated in the webinar based training program on “Bhuvan Overview” organized by National Remote Sensing Centre, Hyderabad during 21st Jan 2025 to 23rd Jan 2025.

8. Mr.M.Sundharan had participated in the seminar “IP Awareness/Training Program” organized by National Intellectual Property Awareness Mission on 13th Jan 2025.

9. Dr.P.Dineshkumar had participated in two-day online workshop titled “Intelligent Human-Computer Interaction and Applications” organized by Advanced Computer Science & Engineering” on 13th & 14th Dec 2024.

10. Dr.P.Dineshkumar had participated in the seminar “IP Awareness/Training Program” organized by National Intellectual Property Awareness Mission on 13th Dec 2024.

● Faculty GATE Examination

Mr.M.Prabhu had cleared “Graduate Aptitude Test in Engineering” with the score of 33.67.



● Faculty Industrial Training

1. Dr.P.Dineshkumar, AP, Agricultural Engineering department had attended Industrial Training Program at ZeniTech, Erode from 04th June 2025 to 06th June 2025.



2. Dr.G.Kiruthika, AP, Agricultural Engineering department had attended Industrial Training Program at Kongunad Tractors, Namakkal from 24th May 2025 to 27th May 2025.



3. Mr.S.Satheeshkumar, AP, Agricultural Engineering department had attended Industrial Training Program at TOSET Land Survey, Survey from 17th June 2025 to 19th June 2025.



4. Mr.N.Mukilan, AP, Agricultural Engineering department had attended Industrial Training Program at Dharanee Agrovators, Perundurai from 29th May 2025 to 31th May 2025.



5. Ms.G.Veera Karunya, AP, Agricultural Engineering department had attended Industrial Training Program at Sakthi Sugars Limited, Sivaganga from 04th June 2025 to 06th June 2025.



6. Mr.M.Prabhu, AP, Agricultural Engineering department had attended Industrial Training Program at Krishi Agro Industry, Namakkal from 29th May 2025 to 31th May 2025.



7. Mr.M.Sundharan, AP, Agricultural Engineering department had attended Industrial Training Program at Kavin Irrigations, Karur from 04th June 2025 to 06th June 2025.



8. Ms.R.Kavinila, AP, Agricultural Engineering department had attended Industrial Training Program at Welthy Dairy Food Products, Namakkal from 29th May 2025 to 31th May 2025.



9. Ms.B.Bhavadharani, AP, Agricultural Engineering department had attended Industrial Training Program at Tamilnadu Banana Producer Company Ltd, Thottiam from 30th May 2025 to 1st June 2025.



GRADUATE APTITUDE TEST IN ENGINEERING 2024
 अभियांत्रिकी नामांकन अभियांत्रिकी परीक्षा २०२४
 ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU
SCORE CARD

Name of the Candidate
Viji N

Name of the Parent/Guardian
NEELIVANATHAN R

Registration No. **AG24557427230**

Test Paper
Agricultural Engineering (AG)

Date of Examination **February 10, 2024**

GATE Score **263** Marks out of 100 **18.67**

All India Rank (AIR) **542** Qualifying Marks **25.0**

in the test paper
 General **25.0**

EWS/OBC-NCL **22.5**

SC/ST/PwD **16.6**

A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2027.

● TAFE Awards

Karthikeyan D, Logeshwaran A and Dharun Franclin X from final year had won best project award and social award in “INNOVIA’ 25” held at Tafe, Chennai on 26th February 2025.



● ISTE Awards

R.Shanmugaraj from IV Year Agriculture Engineering student, has been honored with the Best Student Award by ISTE during the 23rd ISTE Tamil Nadu Section Annual Students Convention 2025, held at Adhiyamaan College of Engineering, Hosur on 12th April 2025.



● Students Achievements

● GATE Examination Awards

N.Viji from IV Year Agriculture Engineering student, had achieved an outstanding “ALL INDIA RANK of 105” in the GATE 2025.

Prize Winners

Bharath S and Mageshwaran V from third year had won second prize in Paper Presentation and First Prize in Connection held at Dhirajlal College of technology, Salem on 29th March 2025.



Karthika S from third year had won second prize in Poster Presentation held at Dhirajlal College of Technology, Salem on 29th March 2025.



Rashitha Sri R from third year had won First Prize in Technical Quiz and Second Prize in Seed Identification Held at Dhirajlal College of Technology, Salem on 29th March 2025.



Monica G, Sathiya Sri A and Savitha S from third year had won Second Prize in Farm Reels held at Dhirajlal College of Technology, Salem on 29th March 2025.



Savitha S from Third year had won First Prize in Agro Photography held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.



Sathiya Sri A and Yazhini M from Third year had won second prize in Agro Photography held at Dhirajlal Gandhi College of Techonology, Salem on 29th March 2025.



Monica G from third year in Agro Photography held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.



Franglin B, Mohammed Arsath A and Santhosh Kumar P from third year had won Third Prize in Agri Tech 2.0 – 24Hours Hackathon held at Kongunadu college of Engineering and Technology, Trichy from 25th March 2025 to 26th March 2025.



Mohansharma K from third year had won second prize in paper presentation held at AVS College of Technology, Salem on 24th March 2025.



Yogeshwaran M from third year had second prize in both Photography and short film and won first prize in Connection held at AVS College of Technology Salem on 24th March 2025.



Logasri K from third year had won Third prize in Connection held at AVS College of Technology, Salem on 24th March 2025.

Swetha R from third year had won Second Prize in Techstrom held at Sri Ramakrishna College of Engineering, Perambalur on 17th March 2025.



Sathiya sri A and Swetha R from third year had won second and third prize respectively in Quiz competition held at Muthyammal college of Engineering on 1st March 2025.



Manashwini M Y from second year had won First Prize in Paper Presentation held at Muthyammal college of Engineering on 1st March 2025.



Santhoshini P and Viji N from final year had won second prize in Poster Presentation held at Tafe, Chennai on 26th February 2025.



Lakshmi Narasimmalu from third year had won first prize in Inter College Men's Open Bodybuilding organized by Sastra University, Thanjavur held from 22th February 2025 to 23th February 2025.



Imayavan I from third year had won first prize in hackathon held at Kongunadu college of engineering and technology, Namakkal from 12th February 2025 to 13th February 2025.



● Sports Winners

R.Anand, T.Dhanush Pandi, A.Ganeshan from third year Agricultural Engineering Students had won first prize in Alumini hockey tournament at Park College of Engineering and Technology.



R.Anand, T.Dhanush Pandi, A.Ganeshan from third year Agricultural Engineering Students had won third prize in Alumini hockey tournament at Thiagarajar College of Engineering.

P.Ravuthan from second year Agricultural Engineering Student had won second prize in Kongu Alumini Trophy tournament at Kongu Engineering College.



P.Ravuthan from second year Agricultural Engineering Student had won third prize in Zonal tournament at K.Ramakrishnan College of Engineering.

● Paper presentation /Project/ Technical Event / Hackathon

9 Students from third year had presented papers in the event held at Dhirajlal College of Technology, Salem on 29th March 2025.

9 Students from third year had participated in Technical Quiz held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.

2 Students from third year had participated in TANCAM'S HACKATHON for Tamil Nadu Women in Science and Engineering held at Kumaraguru College of Technology, karur on 28th March 2025.

4 Students from third year had presented papers in the event held at AVS College of Technology, Salem on 24th March 2025.

8 Students from third year had presented papers in the event held at Selvam College of Technology, Namakkal on 21st March 2025.

9 Students from Second yea had presented papers in the event held at Selvam College of Engineering, Namakkal on 20th March 2025.

3 Students from third year had participated in Project Expo held at National Engineering College, Kovilpatti from 14th March 2025 to 15th March 2025.

6 Students from third year had participated in National Level technical Symposium - Technical Quiz held at Kongu Engineering College, Perundurai On 14th March 2025.

3 Students from third year had presented papers in the event held at National Engineering College, Chennai on 15th March 2025.

8 Students rom third year had presented papers in the event held at Selvam College of Technology, Namakkal on 14th March 2025.

7 students form Second year had presented papers in the event held at Selvam College of Technology, Namakkal on 14th March 2025.

3 students from third year had presented papers in the event held at Kongu Engineering College, Perundurai on 14th March 2025.

8 Students from Second Year had presented papers in the event held at K.Ramakrishnan College of Engineering, Samayapuram on 7th March 2025.

7 students from third year had presented papers in the event held at Muthyammal College of Engineering, Namakkal on 1st March 2025.

5 Students from third year had presented poster in AGROFEST-2025 held at Muthyammal College of Engineering, Namakkal on 1st March 2025.

11 Students from final year had participated in INNOVISTA'25 held at Tractors and Farm Equipment (TAFE), Chennai on 25th February 2025.

1 Student from second year and 1 Student from third year had participated in QWAVEZ-2K25 (Quiz) organized by ISTE Student Chapter on 24th February 2025.

5 Students from third year had participated in Health Hackathon held at VIT Bhopal University and Johns Hopkins University from 18th February to 19th February 2025.

2 Students from third year had participated in Nation Level Technical Symposium (Insight Expo) held at Velammal Engineering College, Chennai on 15th February 2025.

4 Students from second year had participated in Intra College Hackathon Schwan Tech 2.0 held at Kongunadu College of Engineering and Technology, Trichy from 12th February to 13th February 2025.

1 Student from third year had participated in Tezario Hackathon-205 held at Kongunadu College of Engineering and Technology, Trichy from 21st February 2025 to 2nd February 2025.

12 Students from final year had attended the event INNOVISTA'25 at Tafe, Chennai on 25th February 2025.

9 students from second year had presented papers in the event held at Knowledge Institute of Technology, Salem on 22nd February 2025

13 Students from second year had presented papers in the event held at Bannari Amman Institute of Technology, Erode on 1st February 2025.

3 Students from third year had participated in Artivere 2.0 Hackathon held at Kongunadu College of Engineering and Technology, Trichy from 31st January 2025 to 1st February 2025.

1 Student from third year had participated in Hack Day - Hackathon held at Sri Mannakula Vinayagar Engineering College, Puducherry from 28th December 2024 to 30th December 2024.

● Seminar/Workshop Participation

1 Student from third year had attended a Workshop on Embedded System in Agriculture Organized by MSME on 29th March 2025.

5 Students from third year had attended a Workshop on Hands on Training & Drone Assembly Organized by Sri Sakthi Institute of Engineering and Technology, Coimbatore from 21st March 2025 to 22nd March 2025.

4 Students from second year had attended a Workshop on Lumiverse Organized by KPR Institute of Engineering and Technology, Coimbatore on 15th March 2025.

3 Students from second Year had attended a Workshop on CNC Part Programming Organized by Care College of Engineering, Trichy on 15th March 2025.

3 Students from third year had attended a Workshop on Robotics and Automation Organized by National Engineering College, Kovilpatti from 14th March 2025 to 15th March 2025.

13 Students from third year had attended a Workshop on Solidworks Organized by Kongu Engineering College, Perundurai on 10th March 2025.

8 Students from second year had attended a workshop on Antenna Design Organized by K.Ramakrishnan College of Engineering, Trichy on 6th March 2025.

1 Student from third year had attended a Workshop on Drone Technology Organized by Kongu Engineering College, Erode on 4th March 2025.

8 Students from second year had Attended a National Workshop on Research Methodology in Commerce and Management Organised by Shri Muktanand College Gangapur, Maharashtra on 3rd March 2025.

1 Student from third year had Attended a National Workshop on Research Methodology in Commerce and Management Organised by Shri Muktanand College Gangapur, Maharashtra on 3rd March 2025.

2 Students from second year had attended a workshop on Artificial Intelligence and Machine Learning Organized by ECLearnix EdTech Private Limited, Coimbatore on 1st March 2025.

1 Students from second year had attended an Online Webinar on Soil Mechanics Fundamentals and Applications Organized by Annapoorna Engineering College, Salem on 28th February 2025.

17 Students from third year had attended an Online Webinar on Soil Mechanics Fundamentals and Applications Organized by Annapoorna Engineering College, Salem on 28th February 2025.

1 Student from second year had attended a Webinar on Biodiversity of Crossroads: Lichens and Plants in a changing World Organized by S.K.R Government Degree College (Women), Andhra Pradesh on 22nd February 2025.

18 Students from third year had attended a Webminar on Biodiversity of Crossroads: Lichens and Plants in a changing World Organized by S.K.R Government Degree College (Women), Andhra Pradesh on 22nd February 2025.

13 Students had attended an Online Workshop in Recent Trends in Spatial Mapping Organized by SRM Institute of Science and Technology, Kattankulathur, Chennai on 22nd February 2025.

13 Students from third year had attended a Seminar on Applications of GIS in Agricultural Resource Management Sponsored by Tamil Nadu State Council for Science and Technology and Organized by Kongunadu College of Engineering and Technology on 22nd February 2025.

4 Students from second year had attended a workshop on Honeybee Rearing organized by National Bee Board, New Delhi and Anbil Dharmalingam Agricultural College& Research Institute, Trichy from 13th February to 19th February 2025.

2 Students from third year had attended a workshop on Data Foundation to AI Elevation organized by Velammal Engineering College, Ambatur on 15th February 2025.

5 Students from third year had attended a workshop on Honeybee Rearing organised by National Bee Board, New Delhi and Anbil Dharmalingam Agricultural College & Research Institute, Trichy on 28th January 2025.

2 Students from second year had attended a workshop on CAD organized by Bannari Amman Institute of Technology, Erode on 1st February 2025.

2 Students from third year had attended a Webminar on Bhuvan Overview organized by National Remote Sensing Centre, Hyderabad from 21st January to 23rd January 2025.

4 Students from final year had attended a Seminar on Digital Innovations in Civil Engineering Advancing Water Infrastructure and Geospatial Intelligence organized by Sri Venkateswara College of Engineering, Sriperumbudur on 12th February 2025.

58 Students from third year had attended a Seminar on Digital Innovations in Civil Engineering Advancing Water Infrastructure and Geospatial Intelligence organized by Sri Venkateswara College of Engineering, Sriperumbudur on 12th February 2025.

Other Events / Non-Technical Events:

4 Students from third year had participated in Seed Identification held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.

3 Students from third year had participated in Connection held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.

1 Student from third year had participated in Agro Photogrphy held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.

4 Students from third year had participated in Farm Reels held at Dhirajlal Gandhi College of Technology, Salem on 29th March 2025.

1 Student from third year had participated in connection held at AVS College of Technology, Salem on 24th March 2025.

4 Students from third year had Participated in Find me Know me held at AVS College of Technology, Salem on 24th March 2025.

1 Student from third year had participated in Photography held at AVS College of technology, Salem on 24th March 2025.

2 Students from third year had Participated in Idea Presentation held at Knowledge Institute of Technology, Salem on 21st March 2025.

12 Students from third year had Participated in INNOVISION SUMMIT held at Sri Ramakrishna College of Engineering, Perambalur on 17th March 2025.

4 Students from second year had Participated in Cashtory held at KPR Institute of Engineering and Technology, Coimbatore on 14th March 2025.

4 Students from second year had Participated in International Level e-Quiz held at Canara College, Karnataka from 8th March 2025 to 14th March 2025.

4 Students from second year had Participated in National Level Technical Symposium held at K.Ramakrishnan College of Engineering, Trichy from 6th March 2025 to 7th March 2025.

1 Student from final year and 1 Student from third year had Participated in International Level Awareness (e-Quiz) held at Canara College, Karnataka on 3rd March 2025.

1 Student from final year had participated in Second National Conference on Advances in Science and Technology for Regenerative Agriculture held at Bannari Amman Institute of Technology, Erode from 19th December 2024 to 20th December 2024.

NPTEL

05 Students from second year successfully completed 12-week NPTEL course on "Novel Technologies for Food Processing and Shelf Life Extension".

01 Students from third year successfully completed 12-week NPTEL course on "Novel Technologies for Food Processing and Shelf Life Extension".

03 Students from third year successfully completed 12-week NPTEL course on "Entrepreneurship Essentials".

01 Students from second year successfully completed 08-week NPTEL course on "Traction Engineering".

Internship

110 students attended Internship from various Agricultural Industries during their semester holidays.



Industrial Visit

Second year Agricultural Engineering Students visited Hatsun Agro Product Limited on 21st March 2025.



Final year Agricultural Engineering Student visited Tamilnadu co-operative Milk Producers Federation Limited on 20th March 2025.



Third year Agricultural Engineering Students visited Kothari Sugars and Chemicals Limited on 14th Feb 2025.

Higher Studies

N Viji final year student had secured admission to pursue M.Tech in Land and Water Resources Engineering at the prestigious Indian Institute of Technology (IIT), Kharagpur.



PROUD OF YOUR
ACHIEVEMENT !

Congratulations & Best Wishes



Ms. N. Viji

AII INDIA RANK - 105
GATE 2025

Department of Agricultural Engineering

Got M.Tech Admission @ IIT

M.Tech (Land and Water Resources Engineering)
Indian Institute of Technology (IIT),
Kharagpur.



KNCET - Trichy



IIT - Kharagpur

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● Placement Details

BATCH 2021-2025

SI. No	Company	No of Students Placed
1	Proscape LLC	1
2	Jain Irrigation Systems Limited	6
3	Geco legend	8
4	Innovsource (VST)	2
5	OGNI ESCO Private Limited (BIOMASS)	1
6	Unique Shell Mould (India) Private Limited	1
7	HEALDS - Agronomist	2
8	Sutherland	5
9	QGate	1
10	Mitsuba Sical India Private Limited	14
11	Gestamp	5
12	Aquasub Engineering	6

COLLEGE VISION & MISSION

• VISION

"To become Internationally Renowned Institution in Technical Education, Research and Development by transforming the students into Competent Professionals with Leadership Skills and Ethical values"

• MISSION

- ❖ Providing the Best Resources and Infrastructure.
- ❖ Creating Learner – Centric Environment and continuous learning.
- ❖ Promoting Effective Links with Intellectuals and Industries.
- ❖ Enriching Employability and Entrepreneurial Skills.
- ❖ Adapting to Change for sustainable Development.

DEPARTMENT VISION & MISSION

• VISION

"To produce excellent professionals in agricultural engineering through quality education, leadership skills and ethical values to serve the society."

• MISSION

- ❖ Providing in-depth knowledge and applications of agricultural machineries and associated process with embedded technology.
- ❖ Developing multidisciplinary learning environment with leadership skills..
- ❖ Impart training in entrepreneurial and life skills for enhancing employability.

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