

# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE (AUTONOMOUS)



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Re-Accredited with 'A' Grade by NAAC, Accredited by TCS.  
Re-Accredited by NBA (BME, ECE & EEE)  
PERAMBALUR - 621 212



**Newsletter: January – December -2024 Food technology**

**Editor-In-Chief: Dr.D.Shanmuga Sundaram, Principal**

**Editor: Dr.S. Anbu, Associate Professor**  
Department of Mechanical Engineering



**Esteemed Chancellor Shri.A.Srinivasan  
Dhanalakshmi Srinivasan University**

**Message from the Esteemed Chancellor**

As we near the release of the March 2024 Newsletter, I am filled with immense pride and gratitude for the exceptional journey of growth and achievement that we have embarked upon together. This newsletter is not merely a documentation of events; it is a living testament to our steadfast commitment to excellence in education and holistic development. Within its pages lie the vibrant narratives of our college's ecosystem - from the diverse avenues of student enrichment to the innovative faculty development programs, impactful alumni interactions, dynamic club activities, and the remarkable achievements of our students across esteemed institutions. Our faculty members, the pillars of our institution, have showcased unparalleled dedication through their insightful publications, active engagement in academic pursuits, and valuable contributions to industry-academia partnerships. Your passion and expertise serve as the driving force behind our collective success, and I extend my heartfelt appreciation for your unwavering efforts.

To our students, I applaud your resilience, creativity, and unwavering pursuit of excellence. Your accomplishments, both within our campus and beyond, stand as beacons of inspiration for all of us. As we delve into the enriching experiences of our industrial visits, I am reminded of the invaluable practical knowledge and insights gained, bridging the gap between theory and real-world application. I encourage every member of our community to not only peruse but deeply engage with the narratives within this newsletter. Let it be a source of inspiration, igniting your aspirations and fostering a passion for continual growth and contribution. Together, let us celebrate our collective achievements, draw wisdom from our experiences, and chart a path toward a future brimming with innovation, collaboration, and boundless possibilities.



**Prof. Dr. D. Shanmugasundaram M.E., Ph.D., F.I.E., C.Eng.,  
Principal**

### **Message from the Principal**

With great anticipation, we await the unveiling of our March 2024 Newsletter, a testament to our collective dedication to excellence and innovation. This edition encapsulates the multifaceted achievements and transformative endeavors that define our institution's journey. From pioneering student initiatives to groundbreaking faculty research and impactful industry collaborations, our community exemplifies a relentless pursuit of knowledge and progress. The newsletter showcases the exceptional achievements of our students, illuminating their talents, resilience, and contributions across diverse domains. It also heralds the profound impact of our distinguished faculty members, whose scholarly pursuits and mentorship continually elevate the academic landscape.

Moreover, our flourishing alumni network serves as an invaluable resource, fostering inspiration and guidance for current students. Insights into our strategic industry alliances underscore our commitment to practical learning and industry relevance. I extend profound gratitude to every individual within our community for their unwavering dedication and invaluable contributions to our collective success. Let us forge ahead, united in our pursuit of excellence and transformative growth.

## Table of Contents

<b>S.No.</b>	<b>Description</b>	<b>Page No.</b>
<b>1</b>	<b>Message from the Esteemed Chancellor</b>	<b>2</b>
<b>2</b>	<b>Message from the Principal</b>	<b>3</b>
<b>3</b>	<b>About the College</b>	<b>5</b>
<b>4</b>	<b>Vision and Mission</b>	<b>5</b>
<b>5</b>	<b>Institute Ventures</b>	<b>6</b>
<b>6</b>	<b>Student Enrichment Program</b>	<b>7</b>
<b>7</b>	<b>Faculty Enrichment Program</b>	<b>8</b>
<b>8</b>	<b>Alumini interaction program</b>	<b>8</b>
<b>9</b>	<b>Expert talks/Guest lecture</b>	<b>10</b>
<b>10</b>	<b>Students participation</b>	<b>10</b>
<b>11</b>	<b>Students achievements</b>	<b>11</b>
<b>12</b>	<b>Faculty participation</b>	<b>11</b>
<b>13</b>	<b>Faculty publications</b>	<b>11</b>
<b>14</b>	<b>NPTEL courses / Book Chapter</b>	<b>14</b>
<b>15</b>	<b>Industrial visit / Patents</b>	<b>15</b>
<b>16</b>	<b>Symposium winners and participants</b>	<b>20</b>
<b>17</b>	<b>Gian courses / Chess competition runners</b>	<b>24</b>

## About the College

Our Dhanalakshmi Srinivasan Engineering College (An Autonomous Institution) has 23 years of enchanting Education, as established in the year of 2001 at Perambalur, Tamil Nadu. Our Institution is accredited with 'A Grade' by NAAC in the year of 2015 and further it is Re-Accredited with the same Grade till 2025. Our Institute is conferred with Autonomous status from UGC and Anna University for a period of ten years. Our college is accredited by TCS. Departments Of BME, ECE and EEE Are accredited by NBA. Our Institution is run by the Silver Jubilee celebrated Group of Dhanalakshmi Srinivasan Charitable and Educational Trust, Perambalur, Tamil Nadu. Our endowed Educational trust started the college with motto of promoting Engineering / Technical Education to the Students in rural area of the backward Districts of Tamil Nadu. Our Institution offer 16 UG Programme and 6 PG Programme.

The aspirants of the Institution both the Faculty and Students are vibrant in congregating the cutting edge technologies in their respective fields. This motto is aided by the regular Professional Society and Club Activities. The College offers a good scope for Service – oriented Programme organized by NSS, Fine Arts Association and Student Care Centre. The Rain Water Harvesting units are also built with a societal impact in our College premises. The Human Resource Development Centre focuses on the full fledged placements for all department Students. As now with another great Milestone of receiving Autonomy we are working together with a hope of consequential development of the students in all aspects. We have introduced Skill based Module which helps our Students to mould themselves with variety of Skill based Learning. These Courses are designed to groom budding Engineers, become Employable and a responsible Citizen of the Nation. Regarding infrastructure, our campus is lush green campus and has well equipped laboratories and smart classrooms. Separate hostel facility is available for both boys and girls with multi cuisine food. 24 hours Wi Fi facility is available in our institution and also we have specialized central auditorium with fully air conditioned facility and having the seating capacity of 2500 with state of art facilities.

## Vision and Mission

### Vision

- An active and committed centre of advanced learning focused on research and training in the fields of Engineering, Technology and Management to serve the nation better.

### Mission

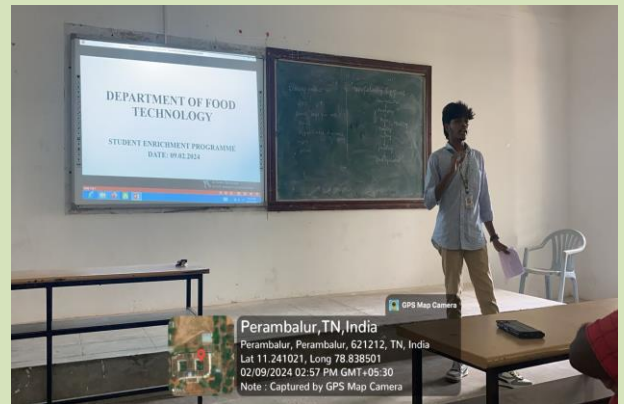
- To develop eminent scholar with a lifelong follow up of global standards by offering UG, PG and Doctoral Programmes.
- To pursue Professional and Career growth by collaborating mutually beneficial partnership with industries and higher institutes of research.
- To promote sustained research and training with emphasis on human values and leadership qualities.
- To contribute solutions for the need based issues of our society by proper ways and means as dutiful citizen.

## Institute Ventures

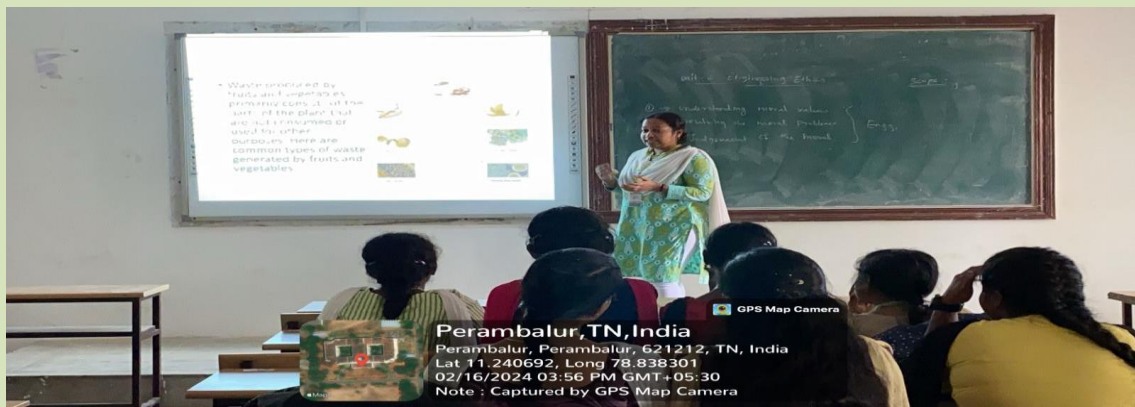


Nakshatra-2024 was held on February 29<sup>th</sup>, March 1<sup>st</sup>, and 2<sup>nd</sup>, presided over by Dhanalakshmi Srinivasan University **Hon'ble Chancellor A. Srinivasan Ayya**. The inaugural day saw Padma Shri Dr. Narthaki Nataraj, Bharatanatyam Artist and honorary member of Tamilnadu State Planning Commission., Achi Group Founder and Chairman Mr. A.D. Padmasingh Issac, and various other doctors honored at the ceremony. Actor Harish Kalyan and actress Priya Bhavanishankar also participated and interacted with the students. On the second day, a concert by popular singer Shweta Mohan and her group enchanted the audience. The third day featured captivating dance performances with the participation of actor Vijay Deverakonda and actress Pooja Hegde.

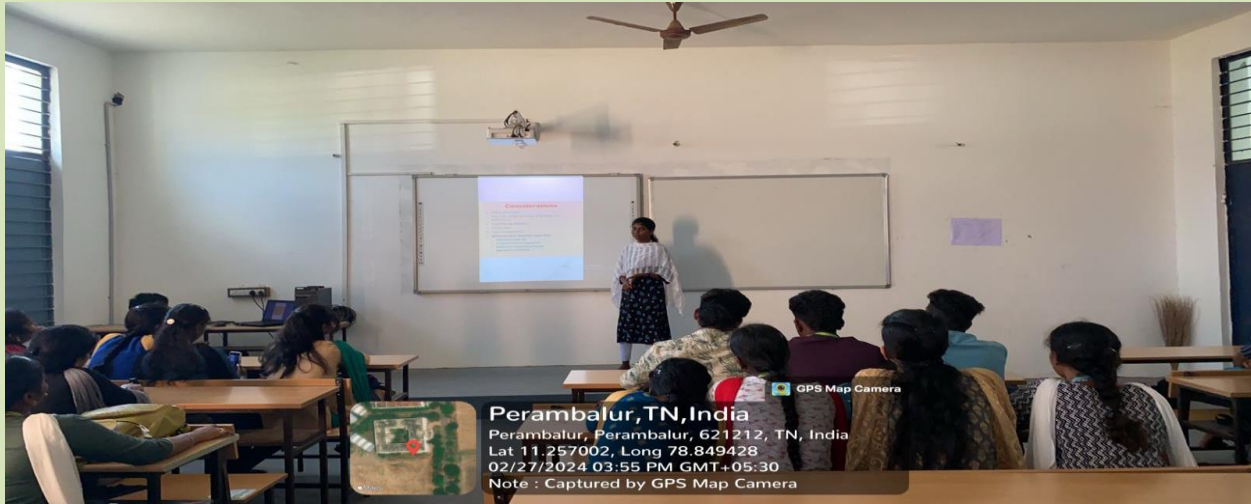
# Student Enrichment Program



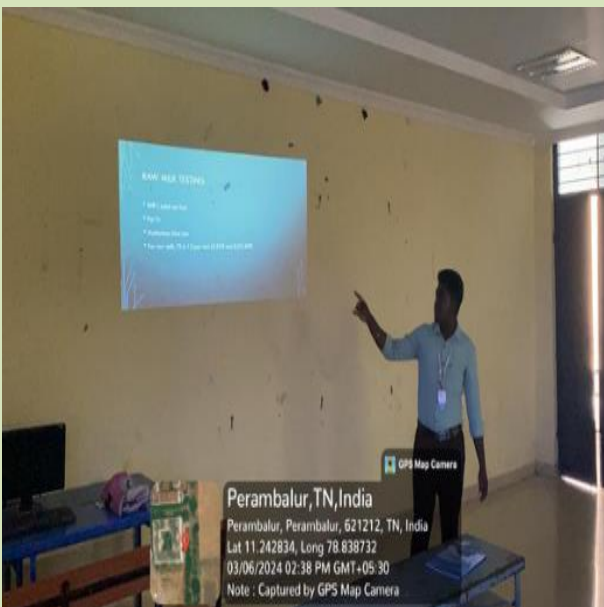
Students Ms. Srikaviya, Mr. Sowmithran Y and Mr.Mohamed Saleem S from the Department of Food Technology eloquently delivered presentations on 'Food Analysis' during the Student Enrichment Program held on 09.02.2024.

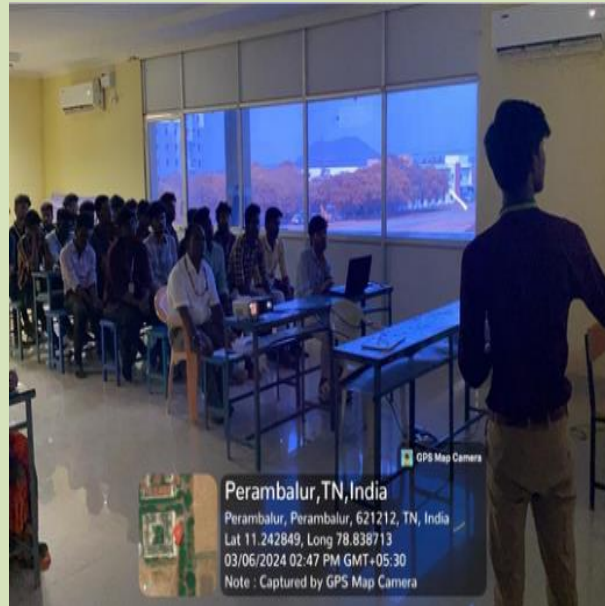


Students Ms. Abinaya A, Ms. Abinayanageshree B and MS. Anitha R V from the Department of Food Technology eloquently delivered presentations on 'Food Preservation' during the Student Enrichment Program held on 16.02.2024.

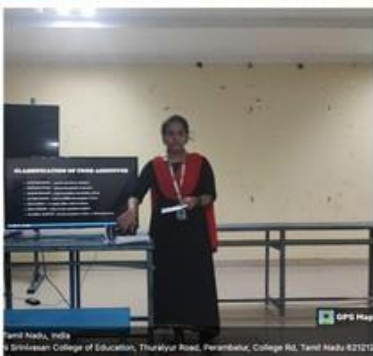


Students Ms. Dhanpriya D, Ms. Mahalakshmi P and Mr. Nishal Raaj S S from the Department of Food Technology eloquently delivered presentations on 'Food packaging and transportation' during the Student Enrichment Program held on 27.02.2024.





Students Mr. Bassam Abdul Rahuman, Mr. S. Akash and Mr. Aswanth bharani from the Department of Food Technology eloquently delivered presentations on ‘Milk Processing and Egg processing’ during the Student Enrichment Program held on 06.03.2024.



Students Ms.Bharathi, Ms.Charulatha and Ms. Darthi from the Department of Food Technology eloquently delivered presentations on ‘Genitically modified foods, Food additives and The Crucial Role of pectine in jam making’ during the Student Enrichment Program held on 14.03.2024.



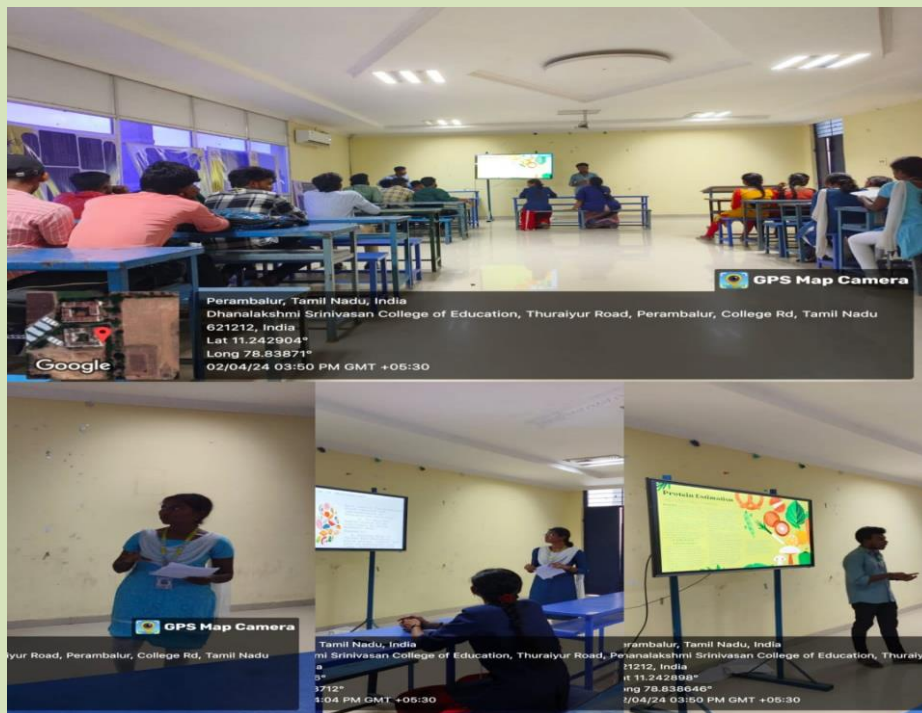
Student Enrichment Program on 15.03.2024, Ms.Keerthana V, Mr. NandhaKumar T and Mr. Yasik G from Department of Food Technology eloquently delivered presentations on ‘Food packaging technology and New product development’



Students Mr.Dias Marshal P M, Mr. Mohammed Ashif and Mr. Lijoy George from the Department of Food Technology eloquently delivered presentations on ‘Sea Foods’ during the Student Enrichment Program held on 21.03.2024



Students Mr.Chandru, Ms.Santhana Lourdes and Ms. Meena S from the Department of Food Technology made excellent presentations on ‘ Food Business Ideas, Value added food products and Marketing and management in food processing industries’ during the Student Enrichment Programme held on March 23, 2024.



Students Ms. Illakipriya A, Ms. Gowri K and Mr. Inbakarhtikeyan K from the Department of Food Technology eloquently delivered presentations on ‘Personalized nutrition, Food waste management and Protein estimation’ during the Student Enrichment Program held on 02.04.2024

# Faculty Enrichment Program



Ms. Maria J Mukkadan, AP from the Department of Food Technology, discussed the Advancement in food packaging during the Faculty Enrichment Programme held on March 15, 2024



Dr. Chandran Masi, Professor from the Department of Food Technology, discussed the Professional Etiquette during the Faculty Enrichment Programme held on March 19, 2024.



Ms. S. Krishnaveni, AP from the Department of Food Technology, discussed the Scope of Food Technology during the Faculty Enrichment Programme held on March 25, 2024

## Club Activities



Dsec Talk-Club activity. From Department of Food Technology, Third year students actively participated in the debate on 'Traditional Vs modern Foods' Mr. Chandru, Mr. Nishanth and Ms. Dhanapriya teamed for Traditional food and Ms. Nivetha, Mr. Kilbert and Mr. Sathya mohanakumar teamed for Modern food. (07.03.2024)

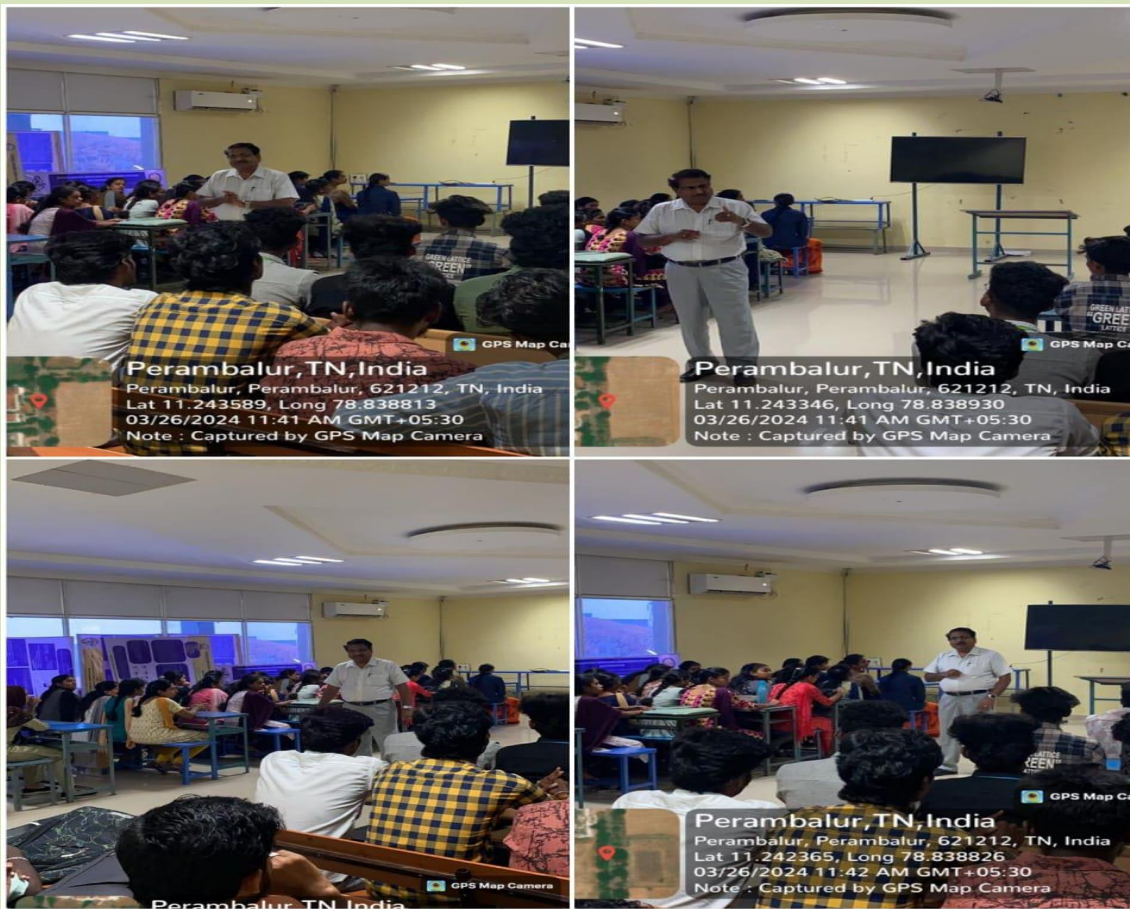


Dsec Talk-Club activity. From Department of Food Technology, Third year students actively participated in the debate on 'Natural Vs Preserved Foods' Ms Devine Santhiya, Mr.Reshikessan, Ms. Jayasree and Mr. Yasik teamed for Natural food and Ms. Fathima swaliha, Mr. Antony sunny, Ms. Mahalakshmi and Mr. Sivarathnam teamed for Preserved food food. (07.03.2024).



Eco club. From Department of Food Technology, Students volunteers have planted saplings in college premises on 13.03.2024.

## Expert talks/Guest lecture



At the presentation on 26.03.2024, Dr. T. Sivaraman, Dean / R&D Cell, give a detailed review about Sweet Protein.

## Alumini Interaction Program



Final year students had an interaction session with alumini student on 05.11.2024 in AV hall 311

### Students Participations

S.No	Name of the Student	Year /Dept.	Nature of Program	Organizer	Date
1	Elin Prathiksa P Keerthana V Gopika A	II / FT	Paper presentation	Paavai Engineering College	Nov 8 <sup>th</sup> and 9 <sup>th</sup> 2024
2	Inbakarthikeyan K	III / FT	Workshop	Excel Engineering College	18/03/2024
3	Vinoth kumar	III / FT	Workshop	Excel Engineering College	18/03/2024
4	Mohammed Saleem S	III / FT	Workshop	Excel Engineering College	18/03/2024
5	Senguttavan M	III / FT	Workshop	Excel Engineering College	18/03/2024
6	Santhosh Kumar R	III / FT	Workshop	Excel Engineering College	18/03/2024
7	Sivakumar M	III / FT	Workshop	Excel Engineering College	18/03/2024
8	Sugan R	III / FT	Workshop	Excel Engineering College	18/03/2024
9	Saran M	III / FT	Workshop	Excel Engineering College	18/03/2024
10	Akash S	III / FT	Workshop	Excel Engineering College	18/03/2024
11	Guru mandana gopal	III / FT	Workshop	Excel Engineering College	18/03/2024
12	Mithun J	III / FT	Workshop	Excel Engineering College	18/03/2024
13	Nithish M	III / FT	Workshop	Excel Engineering College	18/03/2024
14	Nishal Raj S.S	III / FT	Paper presentation	Vel Tech High Tech Engineering College	14/03/2024
15	Kilbert B	III / FT	Paper presentation	Vel Tech High Tech Engineering College	14/03/2024
16	Sathya Mohankumar	III / FT	Idea presentation	Kongu Engineering College, Perundhurai	15/03/2024
17	Nancy Mandeline K.V	III / FT	Idea presentation	Kongu Engineering College, Perundhurai	15/03/2024
18	Jayalakshmi Jayakumar	III / FT	Idea presentation	Kongu Engineering College, Perundhurai	15/03/2024

19	Ilakkiya Priya A	III / FT	Idea presentation	Kongu Engineering College, Perundhurai	15/03/2024
20	Jaansirani B	III / FT	Idea presentation	Kongu Engineering College, Perundhurai	15/03/2024
21	Sibi B	III / FT	Project expo	Vel Tech High Tech Engineering College	14/03/2024
22	Sowmithran Y	III / FT	Project expo	Vel Tech High Tech Engineering College	14/03/2024
23	Aswath Bharani B	III / FT	Project expo	Vel Tech High Tech Engineering College	14/03/2024

## Faculty Participations

S. No	Name /Dept	Type of Program	Title of the Program	Organizing Institute	Date
1	Ms. S. Krishnaveni	International conference	ICIRIST 2024	DSEC	FEB 2024
2	Ms. Maria J mukkadan	International conference	ICIRIST 2024	DSEC	FEB 2024
3	Ms. S. Krishnaveni	International conference	ICIRIST 2024	DSEC	FEB 2024
4	Ms.Thilagavathy Ramkumar	Oral Presentation	ICB – 2024	SRM Institute of Science and Technology	FEB 2024

## Faculty Publications

1. Phytoconstituents of a Traditional Herb, *Verbascum sinaiticum* Benth Mediated Zinc-Ferric Bimetallic Nanoparticle synthesis and bioactive properties for sustainable application, *Journal of Molecular Structure*, Chandran Masi Published on April – 2024  
<http://dx.doi.org/10.1016/j.molstruc.2024.138307>

## NPTEL Course

1. Mr. Shiva Rathnam S 3<sup>rd</sup> year Foodtechnology cleared in NPTEL Jul – Sept 2024 in **DAIRY AND FOOD PROCESS AND PRODUCTS TECHNOLOGY**
2. Mr. Tharneesh Jayapraksha 3<sup>rd</sup> year Foodtechnology cleared in NPTEL Jul – Sept 2024 in **DAIRY AND FOOD PROCESS AND PRODUCTS TECHNOLOGY**
3. Ms. Meena. S 3<sup>rd</sup> year Foodtechnology cleared in NPTEL Jul – Sept 2024 in **DAIRY AND FOOD PROCESS AND PRODUCTS TECHNOLOGY**
4. Ms. Nithyashree 3<sup>rd</sup> year Foodtechnology cleared in NPTEL Aug – Oct 2024 in **CANNING TECHNOLOGY, VALUE ADDITION OF SEAFOOD AND FISH PROCESSING.**
5. Ms. Rohini S, Srinidhi D, Abinaya A, Jaansi Rani B Jan -Apr 2024 cleared the NPTEL examination. Elite Students are Ms.Praveena S and Srikaviya Radhakrishnan under the course **MODERN FOOD PACKAGING TECHNOLOGIES REGULATORY ASPECTS AND GLOBAL TRENDS.**

# Industrial Visit



Students of 2<sup>nd</sup> year Food Technology Visited Kannan Devan Tea Estate in Munnar, Kerala for one day industrial visit on 26<sup>th</sup> October 2024.



Students of 3<sup>rd</sup> year visited CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala – 695019 for industrial visit for 2 days from 07/10/2024 to



08/10/2024.

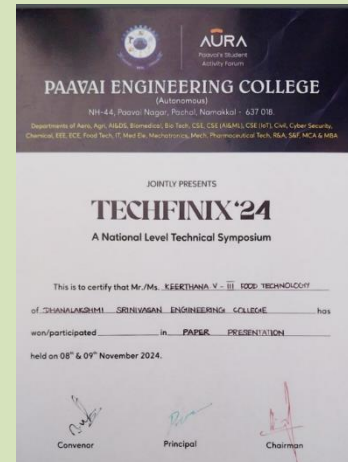
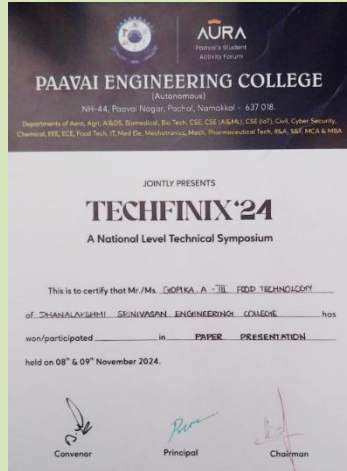
Final Year students Visited Defense Research and Development – Defense Food Research Laboratory (DRDO – DFRL), Mysuru, Karnataka – 570011 for Industrial Visit for 2 days from 20/09/2024 to 21/09/2024.

## Workshop participations



Students of 2<sup>nd</sup> year food technology **HARINIYASRI. SJ** and **HANSHIKAA. KA** has participated in the workshop on **FABRICATION AND APPLICATION OF ULTRAFILTRATION MEMBRANES** conducted by Centre for Waste Management Sathyabama Institute of Science and Technology on 22<sup>nd</sup> August 2024.

## Symposium participations



Students of 3<sup>rd</sup> year food technology **ELIN PRATHIKSA P, KEERTHANA V and GOPIKA A** has participated in national level technical symposium **TECHFINIX'24 (PAPER PRESENTATION)** conducted by Paavai Engineering College on November 8<sup>th</sup> & 9<sup>th</sup> 2024.

## Gian course



Students of third year **R.Chandru, Dias Marshal P M, Antony sunny, Lijoy george, T.Nandhakum, Shiva rathinam.S, Gokulnath.M, Aravinth D, Bharath raj S.** Gian course on “Innovative Approches for Sustainable Blue Circular Bioeconomy Of Food and Feed Chain”, National Institute of Technology, Rourkela.

## Chess competition runners



Final Year Food Technology (2021 – 2025) **SANTHOSH KUMAR** Won the Runner in Chess Competition Conducted by DSEC

## Patents

1. Dr. Chandran Masi / FT published patent with grant on INNOVATIVE WATER TREATMENT SYSTEM FOR EFFICIENT STORM WATER MANAGEMENT AND QUALITY IMPROVEMENT with patent no: 202441002081A

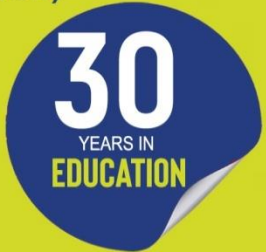
## Book Chapter

1. Ganachis korse, Chandran Masi, Digafe nalemu, Abera Beyene, Abate Ayele, 2024, **Bioenzymes from waste to Value added products**, Value added products from food waste. PP – 75 to 106.



# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Perambalur - 621212 | Web : [www.dsgrroups.org](http://www.dsgrroups.org)



Counselling Code

**3805**



## CREATING LEADERS AND CHANGE - MAKERS

At Dhanalakshmi Srinivasan you can enhance your 21<sup>st</sup> century problem solving skills through academics with global outlook and experience that streamline the career and prepare you to encounter the challenges of our time.

### UG PROGRAMMES

#### B.E.

- Aeronautical Engg
- Agriculture Engg
- Biomedical Engg
- Civil Engg
- Computer Science & Engg
- Computer Science (Cyber Security)

- Electrical & Electronics Engg
- Electronics & Communication Engg
- Mechanical Engg
- Robotics & Automation

#### B.Tech.

- Artificial Intelligence & Data Science
- Biotechnology
- Chemical Engg
- Food Technology
- Information Technology
- Pharmaceutical Technology

### PG PROGRAMMES

#### M.E.

- CAD / CAM
- Computer Science & Engg
- Communication Systems
- Power Electronics & Drives

#### M.B.A.

#### M.C.A.



- Autonomous Institution
- NAAC 'A' Grade
- NBA Accreditation
- 1350+ Placements
- 50+ Value Added Courses
- 250+ University Rank Holders
- Industry 4.0 Curriculum
- R&D Laboratories
- International Collaborations
- Institute Industry Collaborations
- Project Based Learning
- CNC Training Center
- Flipped Learning
- Integrated sports complex
- Merit Scholarships upto 2 Crores
- Extension Activities
- ED Cell
- Center of Excellence in Manufacturing
- Center of Excellence in Design (Powered by Autodesk)
- Center of Excellence for Youth Empowerment (Powered by Atos)
- Center for Foreign Languages