

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



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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.

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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 29th, March 1st, and 2nd, 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.

Faculty Enrichment Program



Mrs.S.Susidra, AP from the Department of Electronics and Communication discussed the importance of Semiconductor using Silvaco Software during the Faculty Enrichment Programme held on August 16th, 2024



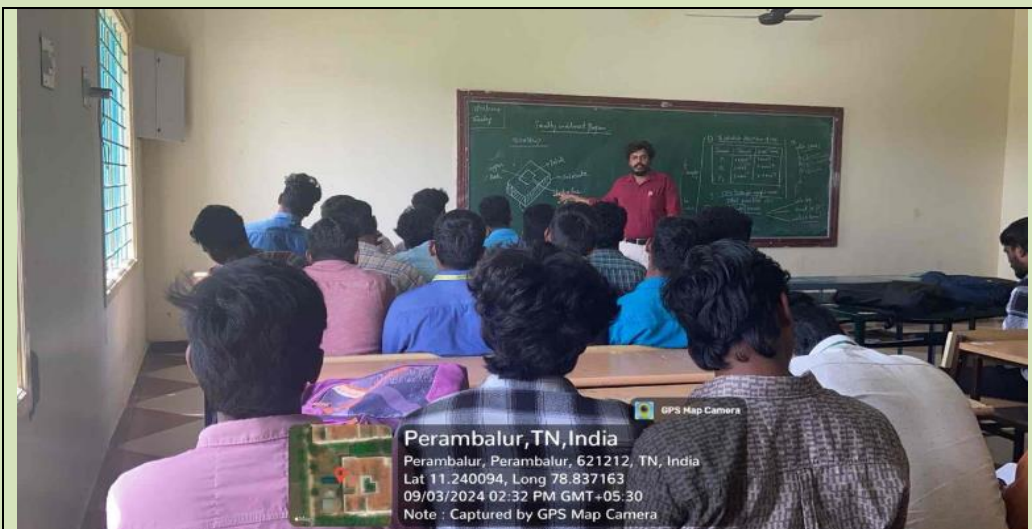
Mrs.R.Gayathri,AP from the Department of Electronics and Communication discussed the importance of “Virtual Lab” during the **Faculty Enrichment Programme** held on **September 2,2024**



Mrs.A.Parimala AP from the Department of Electronics and Communication discussed the importance of “Introduction to Networks and Security Attacks” during the **Faculty Enrichment Programme** held on **September 3, 2024.**



Mrs.R.Abinaya, AP from the Department of Electronics and Communication discussed the importance of **“Introduction to Embedded Systems”** during the **Faculty Enrichment Programme** held on **September 3, 2024**.



Mr.R Prakash, AP from the Department of Electronics and Communication discussed the importance of **“Microstrip”** during the **Faculty Enrichment Programme** held on **September 3, 2024**.



Mrs.S.Sasikala, AP from the Department of Electronics and Communication discussed the importance of “IOT” during the **Faculty Enrichment Programme** held on **September 29, 2024**.

Seminar



Department of Electronics and Communication organized one day seminar titled “VLSI-ASIC system design for next generation IoT and SoC Implementations” on 30th August, 2024 by the Resource person Dr.R Murali Krishna, NIT-Trichy

Webinar



Department of Electronics and Communication organized One day **Webinar** on **29 July 2024**, Driven session based on **Guiding framework for creating and Engaging Trained faculty and student IIC members innovation ambassadors(IA)** in IIC institutions and rewarding mechanisms for IAs.

Department Association Inauguration



Department Association Inaugural function(HERTZ-2024) has been held on 30th August, 2024 by the Resource person Dr.R Murali Krishna, NIT-Trichy

Students Participations

S.No	Name of the Student	Year /Dept.	Nature of Program	Organizer	Date
1	M. P. Harini A. Arun Bharathi M. Gayathri M. Lavanya	III-A	Workshop	Code Bind Technology	1/8/2024
2	M. P. Harini A. Arun Bharathi M. Gayathri M. Lavanya	III-A	Corporate Training	Code Bind Technology	1/8/2024
3	M. P. Harini A. Arun Bharathi M. Gayathri M. Lavanya	III-A	Inplant Training in Embedded System	Code Bind Technology	31/07/2024 to 04/08/2024
4	M. P. Harini A. Arun Bharathi M. Gayathri M. Lavanya	III-A	Internship	Code Bind Technology	31/07/2024 to 04/08/2024
5	Eswarraj A Elamurugu. S Senthil Murugan. V Srimathi.M Vijay Prasad.S	II-A & III-B	Workshop	Collectorate	15/10/2024 & 17/10/2024

Student Achievements



Vishwa.M of II ECE C from the Department of Electronics and Communication won **First Prize** in **TAEKWONDO (under 68kg)** held in **Cuddalore**.



Vignesh G - IV year, Praveen Kumar S - IV year, Sanjeev S- IV year, Kalaiarasan K - IV year, Sivabalan P- III year, Pradheshwaran - II year from the Department of Electronics and Communication won third place in Anna university Zonal 14 Handball tournament (men).



Naveen .V from the Department of Electronics and Communication won GOLD MEDAL in CHESS EVENT, Organized by Sports development authority of Tamil Nadu.



T.Surya Prakash (IV- B) from the Department of Electronics and Communication **won second place** in ANNA UNIVERSITY, zonal level **BASKETBALL** match.



G. Vignesh (IV-B), S. Praveen Kumar (IV-B), S.Sanjeev (IV-B), Kalaiarasan (IV-A), Sivabalan (III-B), Pratheswaran (III-B) from the Department of Electronics and Communication won the **RUNNERUP Position** in the **CM Trophy** in **HANDBALL** event.



Harish.B



Gangatharan.R

Harish.B & Gangatharan.R from Department of Electronics and Communication won **FIRST** place in **CIPHER ZONE**, a national level symposium organized by **Loyola college of Engineering and technology, Chennai**.



MS. Sofia III Year B from the **Department of Electronics and Communication** got **First prize in Drawing competition** (Topic: Importance of Voting).

Faculty Participations

S.No	Name /Dept	Type of Program	Title of the Program	Organizing Institute	Date
1	Mr. T. Boopathy	FDP	Neural Network & Deep Learning	Anna University, Chennai	29/07/2024 To 03/08/2024
2	Mrs. S. Susidra	FDP	Application of AI-ML in Engineering Fields	Guru Tech Bahadur 4 th Centenary Engineering College, Delhi	29/07/2024 To 02/08/2024
3	Mrs. R. Gayathri	FDP	Exploring New Frontiers in Teaching Tools, AI & Data Analytics	MEASI Institute of Information Technology	29/07/2024 To 02/08/2024
4	Dr. P. Rajeswari	FDP	Mango DB Academic Leader Connect	Academic Leader Connect Madurai	23/07/2024
5	Mrs. B. Sujitha	FDP	Data Analytics & Deep Learning	Sastra Deemed to be University, Kumbakonam	24/06/2024 To 25/06/2024
6	Dr A Yogeshwaran	FDP	Robotic Process Automation Associate(UI path)	ICT academy	22/10/2024 To 26/10/2024
7	Dr A Yogeshwaran	Guest Lecture	5G wireless technology	Roever college of Engineering	19/10/2024
8	Dr. P. Rajeswari	FDP	Leadership skills for teachers	ICT Academy	8/7/2024 To 10/07/2024
9	Dr. P. Rajeswari	Workshop	RF Devices modelling and optimization using HFSS Software	M.A.M College of Engineering	26/10/2024
10	Mrs A Parimala	Workshop	RF Devices modelling and optimization using HFSS Software	M.A.M College of Engineering	26/10/2024
11	Mrs. R. Gayathri	FDP	Team building and managing	ICT Academy	20/11/2024 To 22/11/2024
12	Mrs A Parimala	FDP	Next-Gen Educators: Harnessing the power of machine learning	Jeppiaar Institute of Technology	25/09/2024 To 01/10/2024

13	Dr A Yogeshwaran	FDP	Introduction to Internet of things	NPTEL	12 weeks (Jul-Oct 24)
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Faculty Publications

1. A.Yogeshwaran, Department of ECE (2024),published paper in Springer titled “A Multiple resonant microstrip patch heart shape antenna for satellite and Wi-Fi communication” in International Journal of Analog Integrated Circuits and Signal Processing on 27/8/2024,Vol 120,Issue 1 with DOI no- 10.1007/s10470-024-02281-0
2. Dr P Rajeswari, S Sasikala, R Gayathri and S Susidra, Department of ECE has published book chapter titled “ Next-Generation Transit: The smart bus Revolution” in Emerging Innovative Research in Science and Technology” on November 2024, with ISBN No: 978-93-91977-74-0.
3. S Sasikala, R Gayathri, S Susidra, A Parimala and R Abinaya Department of ECE has published book chapter titled “ E-Commerce website for electronic gadgets” in Emerging Innovative Research in Science and Technology” on November 2024, with ISBN No: 978-93-91977-74-0.
4. S Sasikala, R Gayathri and S Susidra Department of ECE has published book chapter titled “ Real time Abandoned person monitoring using Raspberry Pi” in Emerging Innovative Research in Science and Technology” on November 2024, with ISBN No: 978-93-91977-74-0.
5. B Sujitha, Department of ECE has published book chapter titled “Design and Implementation of low power Stochastic Computing for Atrial Fibrillation data Analysis” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.
6. Dr P Rajeswari, S Sasikala, A Yogeshwaran and R Abinaya, Department of ECE has published book chapter titled “IOT in Horticulture: Advanced garden management systems” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.
7. A Parimala. R Abinaya, S Susidra and R Gayathri. Department of ECE has published book chapter titled “Linear multimode fibres with high distributed optical amplification system based high efficient quadrature modulation system for high capacity LAN” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.
8. T Boopathy, N KhadarBasha, A Yogeshwaran, C Senthilkumar and M Saritha, Department of ECE has published book chapter titled “Exploring Convolutional Neural Networks for Image Recognition Tasks” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.
9. M Noorjahan, P Rajeswari, A Yogeshwaran, M Saritha, and B Sujitha, Department of ECE has published book chapter titled “Miniaturized slot antenna design for UWB applications” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.
10. N KhadarBasha, A Yogeshwaran, M Noorjahan, S Prakash and T Boopathy, Department of ECE has published book chapter titled “Enhancing performance by optimizing high gain in UEB BI-Planar

Yagi Antennas” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.

11. M Saritha, M Noorjahan, T Boopathy, N KhadarBasha and A Yogeshwaran, Department of ECE has published book chapter titled “Assessing ECG signal Quality in Real-Time from Wearables during everyday activities” in Emerging Innovative Research in Science and Technology on November 2024, with ISBN No: 978-93-91977-74-0.

Industrial Visit



Placement Details (2023-2024)



B.DINESH KUMAR



E.SANJEEVINI



R.MADESH



T.SURIYA PRAKASH



S.ABIRAMI

Department of Electronics and Communication students got placed in “KNACKTECH PRIVATE LIMITED”, Bangalore with CTC 6 lakhs.



E.SANJEEVINI



S.LOSHINI



V.KARTHICK



M.NAVEEN



S.SANJEEV



G.VIGNESH



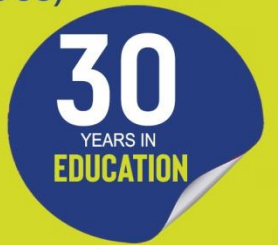
S.NISHANTH

Department of Electronics and Communication students got placed in “Academor”, Bangalore with CTC 6 lakhs.



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CREATING LEADERS AND CHANGE - MAKERS

At Dhanalakshmi Srinivasan you can enhance your 21st 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

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