NANDHA COLLEGE OF TECHNOLOGY, ERODE -52

DEPARTMENT OF SCIENCE AND HUMANITIES

VISION:

The vision is to uplift technical professionals by inculcating sound knowledge of prerequisites to the Engineering Science and basics to the technical approaches and conception nucleus for academic excellence in engineering field.

MISSION:

The mission is to disseminate high standard of Science & Technical education with outstanding infrastructure and well qualified faculty to enable the students' creativity to cater the demands of all stakeholders' requirement at society and provide creativity and applying knowledge about Science & Technology and communication skills through excellent instruction for students.

QUALITY POLICY:

We, at Nandha College of Technology, a Dedicated Team are committed to constantly, and consistently work for the students' continual Improvement in Terms of Quality in Education, Updated Technical Knowledge, Personality Development and Career Advancement to meet the Challenges in the World.

FLASH'26



Thiru.V.Shanmugan
Chairman
Sri Nandha Educational Trust

I am delighted to learn that many of our younger and future generations will attend Nandha Educational Institutions as their alma mater. When an idea is cherished with optimism and self-assurance, it germinates, grows, and becomes a knowledgeable action. Our goal is to help facilitate high-quality learning by introducing innovative approaches to education. A healthy personality is developed and independent thought is encouraged, enabling the student to make the greatest possible contributions to the nation and society. In order to tackle the demands of the current period and the technological transformation, Nandha Educational Institutions prides itself on maintaining up-to-date infrastructure that fosters intellectual thinking and academic interaction.

LIST OF EVENTS

S.NO	EVENT	DATE	CHIEF GUEST
1.	Inaugural Function	22.08.2025	Dr.P.Manivannan, Associate Professor Nandha Naturopathy and Yoga Medical College
2.	Induction Program - Understanding the Mind and Stress management: A clinical Psychology Perspective	25.08.2025	Babu Rangarajan, Clinical Psychologist & Motivational speaker
3.	Association Inaugural Function & Motivational Program	26.08.2025	Mr. Gowtham Krishnamoorthy, Founder & CEO, NutzTechnovation Pvt. Ltd
4.	Seminar on “Learning without limits: A day with open Educational Resources”	09.09.2024	Dr.S.Subha, Librarian, Seethalakshmi Ramaswami College, Tiruchirappalli
5.	A Five-Day Faculty Development Program on "Emerging Trends in Materials Science and Technology" (Online)	23.09.2025	Dr.S.Easwaramoorthi Principal Scientist, CSIR - Central Leather Research Institute (CLRI), Chennai
		24.09.2025	Dr. Raju Nandhakumar Professor Department of Chemistry, Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore.
		25.09.2025	Dr.T.Suresh, Assistant Professor, Department of Chemistry, Bharathiar University, Coimbatore.
		26.09.2025	Dr.C.Viswanathan Professor, Department of Nanoscience and Technology, Bharathiar University, Coimbatore.
		27.09.2025	Dr.P.Periasamy Associate Professor, Department of Physics, Nehru Institute of Engineering and Technology, Coimbatore.
6.	Workshop on "From concepts to solutions: learn Engineering Mathematics for GATE"	17.10.2025	Dr.K.V.Tamilselvi Assistant professor, Sl.G. Department of Mathematics Kongu Engg. College, Perundurai.

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7.	Academic Seminar on "Emerging Trends in battery Technologies"	30.10.2025	Dr.A.Geetha, Associate Professor/ Chemistry Kongu Engg. College, Perundurai
8.	National Level Technical Symposium	15.11.2025	Mr.N.Karuppannasamy, Testing Engineer at Electra EV, (Electrodrive powertrain solutions private limited) Coimbatore.
9.	Yoga Foundation Class	08.01.2026 & 09.01.2026	Mrs. Umamagesh, Arivuthirukoil Manavalakalai Mandram Erode
10.	Online English Workshop- Learning and Teaching in the Ddigital Age: Navigating the Shift	02.02.2026	Dr.Parveen Sulthana, Assistant Professor of English, Gobi Arts and Science College, Gobi.
11.	Workshop-Smart Math tools for the Digital classroom	12.02.2026 & 13.02.2026	Dr.P.Senthilkumar Assistant Professor(SLG) PG and Research Department of Mathematics Thanthai Periyar Government Arts and Science College(Autonomous) Tiruchirappalli.
12.	Academic Seminar-Advancement in Material Sciences	12.03.2026	Dr.K.Selvakumar Assistant Professor - Level III Department of Physics Bannari Amman Institute of Technology Sathyamangalam
13.	Academic Seminar-Future of Quantum Computing	12.03.2026	Dr.P.Periasamy, Associate Professor & Head /IQAC, Nehru Institute of Engineering and Technology, Coimbatore
14.	Valedictory Function	08.05.2026	Dr.S.Nandagopal, Principal, Nandha College of Technology.

Association Activities:

Inaugural Function:

The Freshers' Day 2025 was celebrated with great enthusiasm and vibrancy, marking a memorable beginning for the newly admitted students. The event was graced by Mr. Gopinath Chandran, a celebrated orator and motivational speaker, whose inspiring address captivated the audience. Through his engaging speech, he emphasized the importance of confidence, effective communication, and a positive mindset in shaping both academic and personal success. He encouraged students to make the most of their college journey by exploring opportunities, building meaningful connections, and striving for excellence. The programme created an energetic and welcoming atmosphere, leaving a lasting impression on the freshers as they embarked on their new academic path.



Induction Program:

The Induction Program on "Building Mental Well-being and Resilience," held on 22nd August 2025, witnessed an overwhelming participation of 425 students. The session was delivered by Dr. P. Manivannan, Associate Professor at Nandha Naturopathy and Yoga Medical College, who emphasized the importance of maintaining mental balance and developing resilience in today's fast-paced academic and professional environment. Through insightful discussions and practical strategies rooted in naturopathy and yoga, the resource person guided students on managing stress, enhancing emotional strength, and cultivating a positive mindset. The program served as an enriching platform for students to understand the significance of mental health and adopt simple yet effective techniques for overall well-being.



Induction Program:

The Induction Program on "Understanding the Mind and Stress Management: A Clinical Psychology Perspective," conducted on 25th August 2025, saw an active participation of 425 students. The session was led by Mr. Babu Rangarajan, Clinical Psychologist and Motivational Speaker, who provided valuable insights into the functioning of the human mind and the psychological aspects of stress. Through engaging explanations and real-life examples, he highlighted effective techniques to identify, manage, and cope with stress in academic and personal settings. The program enabled students to gain a deeper understanding of mental processes and equipped them with practical tools to maintain emotional well-being and resilience in their daily lives.



Association Inaugural & Motivational Program:

The Association Inaugural Function & Motivational Program, held on 26th August 2025, marked a vibrant beginning to the academic association's activities. The session was graced by Mr. Gowtham Krishnamoorthy, Founder and CEO of Nutz Technovation Pvt. Ltd., who delivered an inspiring address emphasizing innovation, entrepreneurship, and the importance of continuous learning. Drawing from his professional journey, he motivated students to develop a growth mindset, embrace challenges, and pursue their goals with determination. The program energized the participants and set a positive tone for the association's future initiatives, encouraging students to actively engage in skill development and career-oriented activities.



Seminar-OER:

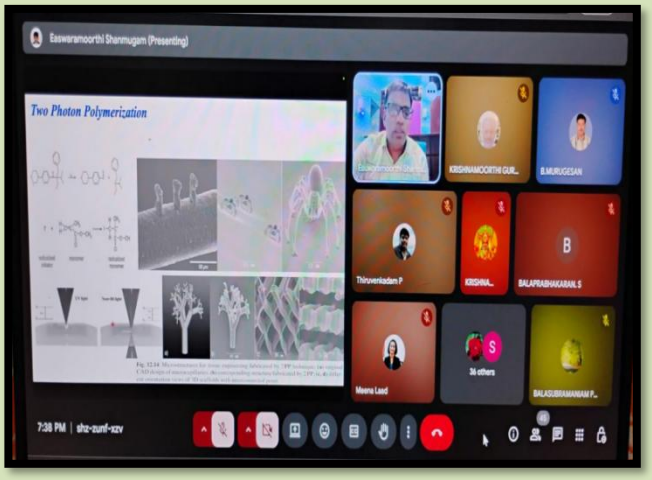
The Seminar on "Learning without Limits: A Day with Open Educational Resources," conducted on 20th September 2025, offered valuable insights into the vast potential of freely accessible learning materials. The session was delivered by Dr. S. Subha, Librarian of Seethalakshmi Ramaswami College, Tiruchirappalli, who highlighted the significance of Open Educational Resources (OER) in promoting inclusive and flexible learning. She introduced various digital platforms, tools, and repositories that

support self-directed learning and academic enrichment. The seminar encouraged students to explore and effectively utilize open resources to enhance their knowledge, research skills, and lifelong learning practices.



Faculty Development Program (5 Day):

The Five-Day Online Faculty Development Program on "Emerging Trends in Materials Science and Technology," conducted from 23rd to 27th September 2025, provided an enriching platform for academicians to explore recent advancements in the field. The program commenced on Day 1 with Dr. S. Easwaramoorthi, Principal Scientist at CSIR–Central Leather Research Institute (CLRI), Chennai, who delivered an insightful session on multiphoton adsorbing materials. Day 2 featured Dr. Raju Nandhakumar, Professor at Karunya Institute of Technology and Sciences, Coimbatore, who discussed the science of fluorescent organic materials and their applications. On Day 3, Dr. T. Suresh, Assistant Professor from Bharathiar University, Coimbatore, elaborated on recent developments in nutraceuticals. Day 4 witnessed an engaging session by Dr. C. Viswanathan, Professor of Nanoscience and Technology at Bharathiar University, highlighting current trends in nanoscience and technology. The program concluded on Day 5 with Dr. P. Periasamy, Associate Professor from Nehru Institute of Engineering and Technology, Coimbatore, who spoke on the futuristic applications of graphene in energy harvesting and environmental sustainability. The FDP offered valuable insights into interdisciplinary research and emerging innovations, benefiting all participants.



Workshop-Mathematics:

The Workshop on "From Concepts to Solutions: Learn Engineering Mathematics for GATE," conducted on 17th October 2025, provided students with a strong foundation in core mathematical concepts essential for competitive examinations. The session was handled by Dr. K. V. Tamilselvi, Assistant Professor (Sl.G.), Department of Mathematics, Kongu Engineering College, Perundurai, who offered clear explanations of key topics and effective problem-

solving techniques. Emphasizing conceptual understanding and application-oriented learning, she guided participants on strategic preparation for GATE, including time management and question-solving approaches. The workshop proved highly beneficial in enhancing students' confidence and competence in tackling engineering mathematics problems.



Academic Seminar-Chemistry:

The Academic Seminar on "Emerging Trends in Battery Technologies," held on 30th October 2025, provided valuable insights into the latest advancements in energy storage systems. The session was delivered by Dr. A. Geetha, Associate Professor of Chemistry at Kongu Engineering College, Perundurai, who discussed recent innovations in battery design, performance, and sustainability. She highlighted the growing importance of efficient and eco-friendly energy solutions in modern technology and emphasized the role of research in improving battery life, safety, and cost effectiveness. The seminar enhanced participants' understanding of cutting-edge developments and encouraged interest in this rapidly evolving field.



National Level Technical Symposium:

The National Level Technical Symposium, conducted on 15th November 2025, brought together enthusiastic participants from various institutions, with a total of 275 attendees. The event featured an engaging session by Mr. N. Karuppannasamy, Testing Engineer at Electra EV (Electrodrive Powertrain Solutions Private Limited), Coimbatore, who shared valuable industry insights on electric vehicle technologies and testing processes. His session highlighted current trends, practical challenges, and emerging opportunities in the EV sector, inspiring students to explore innovation and research in this rapidly growing field. The symposium served as an excellent platform for knowledge exchange, technical learning, and fostering a spirit of collaboration among participants.



Yoga Foundation Class:

The Yoga Foundation Class, conducted on 8th and 9th January 2026, offered participants a rejuvenating experience focused on physical and mental well-being. The sessions were led by Mrs. Umamagesh from Arivuthirukoil Manavalakalai Mandram, Erode, who guided participants through fundamental yoga practices and techniques. Emphasizing the importance of regular practice, she highlighted how yoga contributes to improved concentration, stress reduction, and overall health. The program encouraged participants to adopt a balanced lifestyle by integrating simple yogic practices into their daily routine, promoting holistic development and inner harmony.



English Workshop (Online):

The Online English Workshop on “Learning and Teaching in the Digital Age: Navigating the Shift,” held on 2nd February 2026, provided valuable perspectives on modern pedagogical practices in a technology-driven learning environment. The session was conducted by Dr. Parveen Sulthana, Assistant Professor of English at Gobi Arts and Science College, Gobi, who discussed the evolving role of educators and learners in digital spaces. She highlighted effective strategies for online teaching, the use of digital tools, and methods to enhance student engagement and interaction. The workshop enriched participants with practical insights and encouraged them to adapt confidently to the changing landscape of education.



Math Workshop:

The Workshop on “Smart Math Tools for the Digital Classroom,” conducted on 12th and 13th February 2026, provided participants with practical exposure to innovative technological tools for teaching mathematics. The sessions were led by Dr. P. Senthilkumar, Assistant Professor (SLG), PG and Research Department of Mathematics, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli, who demonstrated the effective use of digital platforms to simplify complex mathematical concepts. Emphasizing interactive and student-centered learning, he introduced various tools that enhance visualization,

engagement, and conceptual clarity. The workshop enabled educators and students to integrate smart technologies into the classroom, making mathematics learning more dynamic and accessible.



Academic Seminar-Physics:

The Academic Seminars on “Advancement in Material Sciences” and “Future of Quantum Computing,” conducted on 12th March 2026, offered participants a comprehensive insight into emerging scientific domains. The session on material sciences was delivered by Dr. K. Selvakumar, Assistant Professor (Level III), Department of Physics, Bannari Amman Institute of Technology, Sathyamangalam, who highlighted recent developments and innovations in advanced materials and their applications. The second seminar on quantum computing was handled by Dr. P. Periasamy, Associate Professor & Head (IQAC), Nehru Institute of Engineering and Technology, Coimbatore, who explored the transformative potential of quantum technologies and their future impact on computing systems. Both sessions enriched participants with current knowledge, fostering curiosity and encouraging research-oriented learning in cutting-edge fields.



Valedictory:

The successful conclusion of all the activities of the Association will be marked with the grand Valedictory function that is planned to take place amidst a spirit of achievement and camaraderie on 08.05.2026. The valedictory ceremony will serve as a fitting culmination to days filled with enriching discussions, engaging competitions, and valuable networking opportunities. Participants will be honored for their contributions, and the event will provide a platform to reflect on the insights gained and experiences shared throughout the entire concluded programs.

ODD SEM TOPPERS



JASMITHA T / I CSE-A
CGPA: 9.70



SANJEEVANI M/ I IT-B
CGPA: 8.83



DHANVARSHINI K/ I ECE
CGPA: 8.20



KARTHIKEYAA S/ I EEE
CGPA: 7.67



JYOTHI M/ I AI&DS CGPA: 7.64

HONORS & INVOLVEMENT- STUDENTS

Gowtham P of I-CSE A was awarded for 100% Attendance in ODD Semester 2025-2026.

Harivarshan R of I-CSE A was awarded for 100% Attendance in ODD Semester 2025-2026.

Janushiya M of I-CSE A was awarded for 100% Attendance in ODD Semester 2025-2026.

Kartheeswaran P of I-CSE A was awarded for 100% Attendance in ODD Semester 2025-2026.

Sandya K V of I-CSE B was awarded for 100% Attendance in ODD Semester 2025-2026.

Yash Sharma M of I-CSE B was awarded for 100% Attendance in ODD Semester 2025-2026.

Blessy Rathina Rose B of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Dhanushiya V of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Gowshika S of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Jeevitha V of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Kanishka P of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Kavipriya R of I-IT A was awarded for 100% Attendance in ODD Semester 2025-2026.

Priyadharshini G of I-IT B was awarded for 100% Attendance in ODD Semester 2025-2026.

Sabarika R V of I-IT B was awarded for 100% Attendance in ODD Semester 2025-2026.

Asvika S D of I-ECE was awarded for 100% Attendance in ODD Semester 2025-2026.

Nivetha M of I-ECE was awarded for 100% Attendance in ODD Semester 2025-2026.

Parnika M of I-ECE was awarded for 100% Attendance in ODD Semester 2025-2026.

Gobika E of I-EEE was awarded for 100% Attendance in ODD Semester 2025-2026.

Inthu M of I-EEE was awarded for 100% Attendance in ODD Semester 2025-2026.

Nishanth T of I-EEE was awarded for 100% Attendance in ODD Semester 2025-2026.

Fathima Fidha S of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Gowshiya S of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Karthick Raja M of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Mahaswetha M of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Mohanadevi R R of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Priyadharshini S of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Saravana S of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Sharmila G of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Suba Surya V of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Sumaiya Nazeem Aazam M of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Thulasinath G of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Vigneshwaran L of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Yaswanth D of I-AI&DS was awarded for 100% Attendance in ODD Semester 2025-2026.

Karthikeyaa S of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 2nd Prize in "PPT - Ultra Fast Charging and Battery Packs" organized by MPNMJ, Erode.

Amirthesh Roshan S M of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 2nd Prize in "PPT" organized by MPNMJ, Erode.

Amirthesh Roshan S M of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 1st Prize in "Cross Word" organized by MPNMJ, Erode.

Karthikeyan S of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 2nd Prize in "PPT" organized by MPNMJ, Erode.

Karthikeyan S of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 1st Prize in "Cross Word" organized by MPNMJ, Erode.

Albert Gideon C of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 2nd Prize in "PPT - Ultra Fast Charging and Battery Packs" organized by MPNMJ, Erode.

Viyas S of EEE has participated in a National Level Technical and Non-Technical Symposium and secured 1st Prize in "Circuit Debugging" organized by MPNMJ, Erode.

Jasmitha T of CSE A has participated in "Technovanza" and secured Winner position organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Dhanush P of EEE has participated in "Vyugam'26" and secured 1st Prize in "Paper Presentation" organized by AVS Engineering College, Salem.

Albert Gideon C of EEE has participated in "Vyugam'26" and secured 1st Prize in "Paper Presentation" organized by AVS Engineering College, Salem.

Karthikeyan S of EEE has participated in "Edison'26" and secured 1st Prize in "Paper Presentation" organized by Sona College of Technology, Salem.

Karthikeyaa S of EEE has participated in "Edison'26" and secured 1st Prize in "Paper Presentation" organized by Sona College of Technology, Salem.

Viyas S of EEE has participated in "Edison'26" and secured 1st Prize in "Paper Presentation" organized by Sona College of Technology, Salem.

Dhanush P of EEE has participated in "Sahaa'26" and secured 2nd Prize in "Project Presentation" organized by Erode Sengunthar Engineering College, Erode.

Albert Gideon C of EEE has participated in "Sahaa'26" and secured 2nd Prize in "Project Presentation" organized by Erode Sengunthar Engineering College, Erode.

Karthikeyaa S of EEE has participated in "Sahaa'26" and secured 2nd Prize in "Project Presentation" organized by Erode Sengunthar Engineering College, Erode.

Madhumathi K of EEE has participated in "Technovanza" and secured 2nd Prize in "Idea Pitching" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Gokul T of AI&DS has participated in "Technovanza" and secured 2nd Prize in "Quiz" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Guruprasath of AI&DS has participated in "Technovanza" and secured 2nd Prize in "Quiz" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Hari Haran R of IT A has participated in "Technovanza" and secured 2nd Prize in "Paper Presentation" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Asvin R of IT A has participated in "Technovanza" and secured 2nd Prize in "Paper Presentation" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Kanthan E D of IT A has participated in "Technovanza" and secured 2nd Prize in "Paper Presentation" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Dharshini P of IT A has participated in "Technovanza" and secured 2nd Prize in "Digital Twin Technology" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Dharshini P of IT A has participated in "Technovanza" and secured 2nd Prize in "Quiz" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Hamsika V of IT A has participated in "Technovanza" and secured 2nd Prize in "Quiz" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

Hamsika V of IT A has participated in "Technovanza" and secured 2nd Prize in "Digital Twin Technology" organized by Shree Venkateshwara Hi-Tech Engineering College, Gobi.

HONORS & INVOLVEMENT - FACULTY

Ms.S.Jannathulfirthouse, AP/ Chemistry, has published a SCIE Q1 journal titled "Nanoneedle-like MWCNT-incorporated MgCo2O4/MgO nanowire as electrode for high-energy-density asymmetric supercapacitor applications" in the Scopus journal titled Diamond and Related materials.

Dr.E.Dhanasekaran, ASP/ Chemistry, has published a SCIE Q1 journal titled "Efficient Photocatalytic Degradation of Zn and Gd-doped BiOBr 3D Microspheres Using Reactive Dyes Under Visible Light" in the Scopus journal titled Materials Science and Engineering.

Dr.E.Dhanasekaran, ASP/ Chemistry, has published a SCIE Q2 journal titled "Multicomponent Synthesis of Heteroaryl-Annulated Spiro carbazoles" in the Scopus journal titled Journal of Heterocyclic Chemistry.

Dr.S.Ananthi, Prof/ Physics, has published a SCIE journal titled "Green Synthesis of Zero-Valent Tellurium Nanoparticles via Acalypha indica Leaf Extracts and Its Application for Photocatalytic Degradation of Safranin O Dye in Aqueous System" in the Scopus journal titled Chemistry Select.

Dr.A.Kiruthiga, Prof/ Physics, has published a SCIE journal titled "Enhanced performance of asymmetric hybrid capacitors via hydrothermal synthesis of MWCNT-embedded CuMn2O4/MnO2 composite as a high-efciency positive electrode" in the Scopus journal titled Ionics.

Mr.A.Anandharaj, AP/Maths has Published a Scopus Q3 paper entitled "Advanced Soft topological Structures for Site Selection: Integrating Gril Topology and B#D-Axioms" in the Scopus Journal titled International Journal of Applied Mathematics.

Dr.R.Vijaya Chandra, Prof/Maths, has Published a Scopus Q3 SCIE paper entitled "Soft Topology for Cyber Threat Intelligence: A Knowledge Graph Perspective" in the Scopus Journal titled Interactions.

Dr.R.Vijaya Chandra, Prof/Maths, has Published a Scopus Q4 paper entitled "Enhanced Al3+ storage performance of NiSe2@N, S co-doped carbon sphere cathodes for aqueous aluminum-ion batteries" in the Scopus Journal titled International Journal of Applied Mathematics.

Ms.R.Poongodi, AP/Maths, has Published a Scopus Q4 paper entitled "Optimizing Fabrication Parameters for Carbon and Hemp Fiber Reinforced Bio-Composites in Automotive Applications: A Study using Response Surface Methodology" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Mr.N.Vijayakumar, Head/S&H has Published a Scopus Q2 SCIE paper entitled "Design and development of MWCNT–incorporated CoMoO4 composite for enhanced asymmetric supercapacitor performance" in the Scopus Journal titled Ionics.

Mr.N.Vijayakumar, Head/S&H has Published an Annexure 1 Scopus Q1 SCIE paper entitled "Development of MWCNT-integrated CoMoO4 nanocomposite positive electrodes for high-performance asymmetric capacitors" in the Scopus Journal titled Diamond and Related Materials.

Dr.Pon Mahesh Kumar, AP/Mech has Published an Scopus Q4 paper titled "Impact of Fiber Orientation on the Mechanical Characteristics of Hybrid Banana Palm Amino

Composites and AI-based Performance Prediction" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.Pon Mahesh Kumar, AP/Mech has Published a Scopus paper entitled "Optimization of Tensile Strength in Nano Silica and Calotropis Gigantea Reinforced Hybrid Polymer Nanocomposites using ANN-BBD Modelling" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Optimization of Diesel Engine Emissions using B25-CaO Fuel Mixtures and COPRAS Approach" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.Pon Mahesh Kumar, AP/Mech has Published a Scopus paper entitled "Optimization of Corrosion Resistance in AA7075 using Hybrid Si-Zr Sol-Gel Coatings Doped with Cerium Nitrate using Taguchi Method" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Annexure I, SCIE, Q1, SCOPUS paper entitled "Study of electrochemical characteristics of MnMoS4/CNT hybrid electrodes for energy storage applications" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Enhancement of Mechanical and Thermal Properties in Hybrid Jute/Basalt/Epoxy Composites with Carbon Nanotubes" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Eco-Friendly Flax Fiber Composites Reinforced with Nanofillers for Enhanced Mechanical and Acoustic Performance" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Enhanced Al3+ storage performance of NiSe2@N, S co-doped carbon sphere cathodes for aqueous aluminum-ion batteries" in the Scopus Journal titled International Journal of Vehicle Structures and Systems.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Development and performance evaluation of hybrid natural fiber sandwich composites for sustainable roofing applications using ann-based prediction" in the Scopus Journal titled Interactions.

Dr.R.Girimurugan, AP/Mech, has Published a Scopus Q4 paper entitled "Eco-efficient nettle stem fiber–reinforced polymer composites enhanced with nano-Al2O3: mechanical performance, water absorption, and ANN–PIV optimization" in the Scopus Journal titled Interactions.

Ms.T.Dhivya Bharathi, AP/English has published a patent on "AI-Driven Platform for Enhanced English Language Teaching and Learning".

Dr.V.Pushpalatha & Ms.R.Poongodi, ASP & AP/Maths has published a patent on "System and method for Automated Solution of Complex Algebraic Equations using Artificial Intelligence".

Ms.R.Priyanka, AP/Tamil has published a patent on "AI-Driven Natural Language

Processing Framework for Sentiment and Opinion Analysis".

Dr.A.Kiruthiga, Prof/Tamil has published a patent on "Smart Sensor-based framework for Detecting and Analyzing Electromagnetic fields".

Ms.T.Dhivya Bharathi, AP/ English, presented a paper in an National Conference entitled "Trauma and Healing in V.S.Naipaul's Miguel Street: Literart narratives of war and memory".

Dr.R.Vijaya Chandra, Prof/ Maths, presented a paper in IEEE International Conference entitled "Adaptive Credit Scoring with Explainable Deep Learning: A Fairness-Driven Approach for Fin Tech Lending Platforms".

Mr.A.Anandharaj, AP/ Maths, presented & published a paper in IEEE International Conference entitled "Mult objective Optimization of the Mechanical Characteristics of Hybrid Fibre-Reinforced Polymer Composites".

Ms.R.Poongodi, AP/ Maths, presented a paper in IEEE International Conference entitled "Blockchain-Integrated Smart Contracts for Real-Time Loan Disbursement and Fraud Prevention in Digital Lending Platforms".

Ms.R.Poongodi, AP/ Maths, presented a paper in IEEE International Conference entitled "Relative Evaluation of Kruskal's and

Dijkstra's Algorithms for Finest Road Mapping Between Erode and Coimbatore".

Ms.T.Dhivya Bharathi, AP/ English, presented & published a paper in International Conference entitled "Faculty perspectives on AI as a Business strategy catalyst".

Ms.T.Dhivya Bharathi, AP/ English, presented & published a IEEE Conference paper in International Conference entitled "Personalized Content Recommendation on Instagram: Leveraging AI to Enhance User Reach".

Ms.S.Jannathulfirthouse, AP/ Chemistry, successfully completed an NPTEL course titled "Environmental Nanotechnology and Applications".

Dr.E.Dhanasekaran, ASP/ Chemistry, successfully completed an NPTEL course titled "Environmental Nanotechnology and Applications".

Dr.P.Balasubramaniam, ASP/ Chemistry, successfully completed an NPTEL course titled "Environmental Nanotechnology and Applications".

Mr.N.Vijayakumar, Head/S&H, successfully completed an NPTEL course titled "Environmental Nanotechnology and Applications".

Dr.S.Ananthi, Prof/Physics, successfully completed an NPTEL course titled "Physics of Renewable Energy Systems".

Dr.A.Kiruthiga, Prof/Physics, successfully completed an NPTEL course titled "Physics of Renewable Energy Systems".

Ms.T.Dhivya Bharathi, AP/ English, successfully completed an NPTEL course titled "English Language for competitive exams".

Dr.R.Vijaya Chandra, Prof/Maths, successfully completed an NPTEL course titled "Numerical Methods".

Mr.A.Anandharaj, AP/Maths, successfully completed an NPTEL course titled "Numerical Methods".

Dr.V.Pushpalatha, ASP/Maths, successfully completed an NPTEL course titled "Numerical Methods".

Ms.R.Poongodi, AP/Maths, successfully completed an NPTEL course titled "Numerical Methods".

Ms.T.Dhivya Bharathi, AP/ English has attended 1-day workshop on "Integrating Indian Knowledge Systems into NEP 2020: A Blueprint for Holistic Education".

Ms.V.Yazhini, AP/ English has attended 1-day workshop on "Integrating Indian Knowledge Systems into NEP 2020: A Blueprint for Holistic Education".

Ms.R.Poongodi, AP/ Maths has attended 1-day workshop on "Break the Rejection Cycle: 3 Keys to Publishing Success".

Dr.A.Kiruthiga, Prof/ Physics has attended 1-day seminar on "International seminar on New trends in Advanced functional materials 2025".

Mr.N.Vijayakumar Head/S&H has attended 1-day workshop on "Green Synthesis of Nanoparticles".

Ms.T.Dhivya Bharathi, AP/ English has attended 2-day FDP on "Research Techniques and Quality Publication in English Literature".

Ms.R.Poongodi, AP/Maths, has attended 2-day FDP on "Integrated learning in Statistics, Computational methods with R and Octave based transforms and PDESS".

Dr.P.Balasubramaniam, ASP/ Chemistry has attended 1-day workshop on "The ethnical guidance artificial intelligence in research: Challenges and emerging guidance".

Dr.P.Balasubramaniam, ASP/ Chemistry has attended 1-day workshop on "NEP 2020 Alignment and implementation of national skills qualification frame work".

Dr.R.Vijaya Chandra, Prof/Maths has attended 1-day workshop on "Teaching and learning in the Digital age: Navigating the Shift".

Ms.T.Dhivya Bharathi, AP/ English has attended 1-day workshop on "Notebook LM for English Language Educators: Smarter Teaching, Research and Learning with AI".

Dr.S.Ananthi, Prof/Physics has attended 1-day workshop on "Navigating the world of Best Research Publications: Sources, Authentication & Ethics".

Ms.S.Jannathulfirthouse, AP/ Chemistry has attended 1-day International Seminar on "Navigating the world of Best Research Publications: Sources, Authentication & Ethics

Ms.T.Dhivya Bharathi, AP/ English has attended 7-day FDP on "Innovative pedagogies and Research Frontiers in English Language and Literature: Empowering educators for Holistic classroom Excellence".

Ms.T.Dhivya Bharathi, AP/ English has attended 5-day FDP on "Deep Dive into AI Functional Opportunities".

Dr.A.Kiruthiga, Prof/Physics, has attended 5-day FDP on "OBE in the AI era: Leveraging technology for NIRF excellence in Teaching Learning".

Dr.A.Kiruthiga, Prof/Physics, has attended 10-day FDP on "Advanced Computational and Experimental Research in Physics".

Dr.E.Dhanasekaran, ASP/ Chemistry, has attended 6-day FDP on "Smart and Sustainable materials Advances in Materia Chemistry for Global Challenges".

Dr.E.Dhanasekaran, ASP/ Chemistry, has attended 8-day FDP on "New Horizons in Chemistry".

Dr.R.Vijaya Chandra, Prof/Maths, has attended 5-day FDP on "Outcome-based Learning in HEI's for Quality Education".

Dr.S.Ananthi, Prof/Physics, has attended 5-day FDP on "OBE in the AI era: Leveraging technology for NIRF excellence in Teaching Learning".

Dr.S.Ananthi, Prof/Physics, has attended 10-day FDP on "Advanced Computational and Experimental Research in Physics".

Mr.A.Anandharaj, AP/Maths, has attended

5-day FDP on "Innovative Technologies for Data-to-Decision Transformation (INTECH-D2DT)".

Mr.A.Anandharaj, AP/Maths, has attended 7-day FDP on "Empowering Educators - 21 Century Teaching Practices".

Ms.V.Yazhini, AP/ English has attended 5-day FDP on "Deep Dive into AI Functional Opportunities".

Ms.R.Poongodi, AP/Maths, has attended 5-day FDP on "Outcome-based learning in HEI's for Quality Education".

Ms.S.Jannathulfirthouse, AP/ Chemistry, has attended 5-day FDP on "Effective Research Proposal Writing: Turning Research Ideas into Funded
Projects".

Dr.R.Vijaya Chandra, Prof/Maths has attended 5-day FDP on "Deep Dive into AI Functional Opportunities".

Dr.R.Vijaya Chandra, Prof/Maths, has attended 7-day FDP on "Empowering Educators - 21 Century Teaching Practices".

Dr.V.Pushpalatha, ASP/Maths, has attended 7-day FDP on "Empowering Educators - 21 Century Teaching Practices".

Ms.T.Dhivya Bharathi, AP/ English has attended 8-day FDP cum Short term course on "Relevant Research Methodologies in English Language and Literature: 21st Century perspectives with AI and Technological Integration".

Ms.T.Dhivya Bharathi, AP/ English has attended 6-day FDP cum Short term course on "Teaching English in the Digital Age: Strategies and Platforms for Engagement".

Dr.S.Ananthi, Prof/Physics, has attended 12-Week FDP on "A travel for Scientific Indian Minds towards Vikshit Bharat".

Ms.V.Yazhini, AP/ English, has attended 12-Week FDP on "A travel for Scientific Indian Minds towards Vikshit Bharat".

Ms.S.Jannathulfirthouse, AP/ Chemistry, has attended 12-Week FDP on "A travel for Scientific Indian Minds towards Vikshit Bharat".

Mr.N.Vijayakumar, Head/S&H, has attended 12-Week FDP on "A travel for Scientific Indian Minds towards Vikshit Bharat".

Dr.S.Ananthi, Prof/Physics, has attended 5-day FDP on "Emerging Trends in Materials Science and Technology".

Dr.V.Pushpalatha, ASP/Maths, has attended 6-day FDP on "Synergizing Mathematics with Artificial Intelligence for future frontiers".

Dr.Pon Mahesh Kumar, AP/Mech, has attended 5-day FDP on "Emerging Trends in Material Science and Technology".

Dr.S.Ananthi, Prof/Physics, has attended 5-day FDP on "Emerging Trends in Material Science and Technology".

Dr.Pon Mahesh Kumar, AP/Mech, has attended 5-day FDP on "Introduction to Composites".

Dr.R.Girimurugan, AP/Mech, has attended 5-day FDP on "Introduction to Composites".

Dr.Pon Mahesh Kumar, AP/Mech, has attended 6-day FDP on "Emerging Technologies in Mechanical Engineering Sustainability".

Dr.Pon Mahesh Kumar, AP/Mech, has attended 5-day FDP on "Future Directions in AI - Powered Electronics and Communication Technologies".

Dr.R.Girimurugan, AP/Mech, has attended 6-day FDP on "Additive Manufacturing".

Dr.R.Girimurugan, AP/Mech, has attended 5-day FDP on "Artificial Intelligence for Mechanical Industry".

Ms.R.Poongodi, AP/Maths, has attended 7-day FDP on "Inter Disciplinairy Research Collaborations and Innovative Teaching Methods for Mathematics".

Mr.N.Vijayakumar, Head/S&H, has attended 8-Week FDP on "Environmental Nanotechnology and Applications".

Mr.N.Vijayakumar, Head/S&H, has attended 8-Week FDP on "Environmental Nanotechnology and Applications".

Dr.P.Balasubramaniam, ASP/ Chemistry, has attended 8-Week FDP on "Environmental Nanotechnology and Applications".

Ms.S.Jannathulfirthouse, AP/ Chemistry, has attended 8-Week FDP on "Environmental Nanotechnology and Applications".

Dr.P.Balasubramaniam, ASP/ Chemistry, has attended 5-day FDP on "Recent Advanced Tools Used for Technical Writing and Journal Publication".

Dr.R.Vijaya Chandra, Prof/Maths, has attended 9-day FDP on "Emerging Trends in Mathematical Sciences and Applications".

Mr.N.Vijayakumar, Head/S&H has submitted 2 funding proposals for this academic year.

Dr.E.Dhanasekaran, ASP/ Chemistry has submitted 1 funding & 1 Research proposal for this academic year.

Ms.S.Jannathulfirthouse, ASP/ Chemistry has submitted 2 funding proposals for this academic year.

Dr.P.Balasubramaniam, ASP/ Chemistry has submitted 1 funding & 1 Research proposal for this academic year.

Ms.V.Yazhini, AP/ English has submitted 2 funding proposals for this academic year.

Ms.T.Dhivya Bharathi, AP/ English have submitted 2 funding proposals for this academic year.

Dr.R.Vijayachandra, Prof./ Mathematics have submitted 2 funding proposals & 1 Research proposal for this academic year.

Dr.V.Pushpalatha, ASP/ Mathematics have submitted 1 funding proposal & 1 Research proposal for this academic year.

Ms.R.Poongodi, AP/ Mathematics has submitted 2 funding proposals for this academic year.

Mr.A.Anandharaj, AP/ Mathematics has submitted 2 funding proposals for this academic year.

Dr.S.Ananthi, ASP/ Physics has submitted 1 funding & 1 Research proposals for this academic year.

Dr.A.Kiruthiga, ASP/ Physics has submitted 1 funding & 1 Research proposals for this academic year.

Ms.S.Priyanka, AP/ Tamil has submitted 1 funding proposal for this academic year.



Celebrating Faculty Excellence in Securing Centum Results



Ms.R.POONGODI-AP/MATHS



Ms.T.DHIVYA BHARATHI-AP/ENG



Dr.E.DHANASEKARAN-ASP/CHEM



Ms.S.JANNATHULFIRTHOUSE-AP/CHEM



Mr.N.VIJAYAKUMAR-HEAD/S&H

A glimpse of our dedicated faculty members, featured department-wise

DEPARTMENT OF CHEMISTRY



Mr.N.VIJAYAKUMAR- HEAD/S&H



Dr.E.DHANASEKARAN-ASP/CHEM



Ms.S.JANNATHULFIRTHOUSE-AP/CHEM



Dr.P.BALASUBRAMANIAM-ASP/CHEM

DEPARTMENT OF PHYSICS



Dr.S.ANANTHI-PROF/PHY



Dr.A.KIRUTHIGA-PROF/PHY



Ms.P.SATHYA-AP/PHY

FLASH

DEPARTMENT OF MATHEMATICS



Dr.R.VIJAYACHANDRA-PROF/MATHS



Ms.R.POONGODI-AP/MATHS



Dr.V.PUSHPALATHA-ASP/MATHS



Mr.A.ANANDHARAJ-AP/MATHS



Mr.A.M.MOHAN KUMARAVELU-AP/MATHS

DEPARTMENT OF TAMIL & ENGLISH



Ms.S.PRIYANKA-AP/TAMIL



Dr.R.GOMATHY-PROF/ENG



Ms.V.YAZHINI-AP/ENG



Ms.T.DHIVYA BHARATHI-AP/ENG



Ms.S.K.SATHYA-AP/ENG

FLASH

SUPPORTING STAFFS:



Ms.P.SOWDERYA



Ms.J.SRI RANJANI

FLASH



Dr.S.Nandagopal

Principal

Nandha College of Technology

II am delighted to share the latest edition of the Department of Science and Humanities newsletter. It reflects the academic vibrancy and holistic development of our department, capturing a range of activities and achievements of both students and faculty. The newsletter serves as a valuable platform to recognize accomplishments and promote excellence beyond the classroom. It also highlights our commitment to continuous learning and innovation in a dynamic academic environment. Such initiatives strengthen collaboration and inspire students to strive for higher goals. I appreciate the efforts of the editorial team and extend my best wishes for the continued success of this initiative. With warm regards.



Mr.N.Vijayakumar

Head of the Department

Department of Science and Humanities

I am pleased to present this edition of the department newsletter, which highlights the various academic and co-curricular activities of the Department of Science and Humanities. It reflects our continued commitment to excellence and holistic development. I extend my appreciation to the team behind this publication for their efforts and convey my sincere gratitude, on behalf of the faculty and students, to the management and the Principal for their constant support and encouragement.

CHIEF PATRON : **Dr.S.Nandagopal,**
Principal,
Nandha College of Technology.

EDITOR : **Mr.N.Vijayakumar,**
Head of the Department,
Department of Science and Humanities.

ASSOCIATION INCHARGE : **Dr.S.Ananthi,**
Prof./Physics/S&H

MAGAZINE COORDINATOR : **Ms.T.Dhivya Bharathi**
AP/English/S&H

