

Nandha Engineering College (Autonomous), Erode - 52

(Approved by AICTE, New Delhi, and affiliated to Anna University, Chennai)

Nurturing young minds to engineer the future



ANNUAL REPORT 2021-2022

04th June - 2022

Principal
Nandha Engineering College
Erode - 52
044-233-888



- NEC, established in 2001, with 3 branches, completing 21 years of service to the students' community
- Presently the college offers 10 B.E/B.Tech, 4 M.E/M.Tech, MBA, MCA & 3 (CSE, ECE & MECH) Research programmes

Academics: UG Courses:

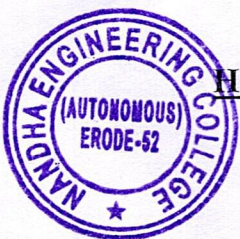
- ❖ B.E. Agricultural Engineering
- ❖ B.E. BioMedical Engineering
- ❖ B.Tech. Chemical Engineering
- ❖ B.E. Civil Engineering
- ❖ B.E. Computer Science & Engineering
- ❖ B.E. Electrical & Electronics Engineering
- ❖ B.E. Electronics & Communication Engineering
- ❖ B.E. Mechanical Engineering
- ❖ B.Tech. Information Technology
- ❖ B.Tech. Artificial Intelligence and Data Science

PG Courses:

- ❖ M.E. Computer Science & Engineering
- ❖ M.E. VLSI Design
- ❖ M.E. Structural Engineering
- ❖ M.E. Engineering Design
- ❖ MCA
- ❖ MBA
- Permanent Affiliation: MBA, ECE, EEE, Mech, CSE & IT
- New Courses – 02
 - B.E - Computer Science & Engineering (Cyber Security)
 - B.E - Computer Science & Engineering (IoT)
- CSE, ECE & IT accredited by NBA with high score of 675 and above.
- NAAC accreditation since 2015 and submitted SSR for 2nd Cycle.
- Accorded Autonomous in the year 2013 & Renewed in 2018
- UGC granted 12B status.

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Human Resources:



- ✓ Undergraduate: 2636
- ✓ Postgraduate: 267
- ✓ Total (UG & PG): 2903
- ✓ Faculty Strength: 202
- ✓ Supporting staff: 68
- ✓ Alumni: 10295

Achievements

College Ranking:

Competition Success Review

- ❖ Ranked 15th among Outstanding Engineering Colleges of Excellence and 11th among the Top Engineering Colleges in Tamil Nadu.

Data Quest

- ❖ Ranked 65th among Top 100 T-Schools in India

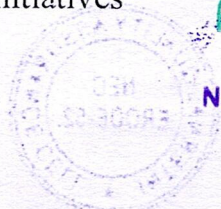
The Week

- ❖ Secured 112th position among best private Engineering colleges in India.

Highlights (Awards and Recognition of Department /Institution)

- Signed MoU with Virtusa and established Center of Excellence, company supports to offer elective courses to meet their industry needs and prefer those students for direct recruitments.
- Curriculum and syllabi are revised in R15 to accommodate choice-based credit system, in R17 to accommodate AICTE model curriculum, credit exemption for internship, online courses and preparing R22 with features of National Educational Policy.
- Civil Engineering department received Outstanding University Award from American Concrete Institute, consecutively two years, for Student Chapter Activities.
- PALS Program in collaboration with IITM Alumni.
 - ❖ No. of Events: 44 & No. of Benefited - Faculty: 25, Students: 413

- Academic Initiatives



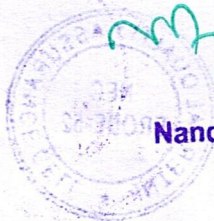

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- ❖ Add-On Course: 13
- ❖ One Credit Course: 15
- ❖ Internship: 275 students
- ❖ Industry Projects: 56 students
- ❖ Course Exemption: 201/604 (Odd) + 412/603 (Even) students &
- ❖ Open Elective: 403/604 (Odd) + 191/603 (Even) students.
- Conducted / Organized
 - ❖ National Unity Day on 09-November-2021
 - ❖ Vijay Diwas on 17-December-2021
 - ❖ National Youth Day on 12-January-2022
 - ❖ World Earth Day on 27-May-2022
 - ❖ Effective Public Speaking Workshop
 - ❖ TED Nandha - Talk Show
 - ❖ Speak English Movement
 - ❖ Legal Awareness Programme - Laws Against Sexual Harassment
 - ❖ Women's Day Celebration 2022

STUDENTS ACHIEVEMENTS

- 1438 Students have participated and won 151 prizes in various co-curricular events.
- 656 Students have participated and won 192 prizes in various extra-curricular events
- 117 Students have Successfully Completed various online courses
- M.Deva prasath, I BME Won prize in Circuit debugging in Bannari Amman Institute of Technology, Sathyamangalam
- M. Sneha from Final Year Agriculture Engineering student secured First Place in Paper Presentation at Bannari Amman Institute of Technology.
- Arunachalam II IT, got I prize in PORT 22 at Sona College of technology
- Arunachalam II IT, won II prize in paper presentation and III prize for singing competition in KPR National Level Meet Up 5.0



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- S. Preethi from I year Agriculture Engineering student secured second prize in Talent show at Sona College of Technology, Salem
- Sowdarshini from II year CSE got Second prize in Quiz event held at KPR Institute of Engineering and Technology, Coimbatore.
- S.Sindhu from Third year Agriculture Engineering student secured second place in Paper Presentation at Karpagam Engineering College, Coimbatore.
- Mukesh Kumar G, Third Year Mechanical won 2nd price in CAD Modeling competition held at Kongu Engineering College.
- N.Karthikeyan from First year CSE got first prize in Coding and Photography events held at Kongu Engineering College.
- Rahul.V , Preethishri from II CSE got Third prize in paper presentation held at Kongu Engineering College, Erode.
- A. Ruthish and S. Dharshan of Ist Year Mechaical Engineering has participated in Paper Presentation at KSR Institute for Engineering and Technology, Tiruchengode.
- Pradeep Kumar P and Mukesh Kumar G of Mechanical had secured 2nd place in the event DESIGNATHON at national level symposium Daksha T22 at KSR College of Technology on 27.05.2022
- Harish Babu.R of I AI&DS won 1st Price in Blind Coding at KSR
- Boopathi R, Dinesh B, Kathir R, Dharanidharan A, Rakesh S, Sakthivel T, Sanjay A of I AI&DS Won 2nd Price in Short film at KSRIET.
- Gokulan V of Civil won Second Prize in Project Presentation at Erode Sengunthar Engineering College
- S.L. Arulvignesh of III Year Mechaical Engineering won II Prize in 3D-Modeling at Erode Sengunthar Engineering College, Thudupathi
- A.Kanagasnega & B.Suganthi, III BME secured second prize in paper presentation at Erode Sengunthar Engineering College.
- A.Kanagasnega, III Year BME secured third prize in Photographic Contest Erode Sengunthar Engineering College.




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- Vikram, Jagadeeswaran, Kiruba Sankar, Shyam, Gowtham Raj, Kishor Rajan, Velavan of I AI&DS won first prize in short film at Erode Sengunthar Engineering College.
- Kiruba Sankar, Saravana Kumar, Mohamed Assam of I AI&DS won 1st prize in technical quiz at Erode Sengunthar Engineering college.
- S. Hariprakash of Civil won First Prize in CAD Design at Builders Engineering College
- Dharmaraj V & Dharanidharan S of Civil won Second Prize in Paper Presentation at Builders Engineering College
- P. Indhuja from First year Agriculture Engineering student secured First prize in Connection Event at Vellalar College of Engineering Technology.
- M.Mugil from Seond Year Agriculture Engineering student secured First Prize in Connection Event at Vellalar College of Engineering Technology.
- Lohit, Harish and Jeeva Prasath of II IT won II Prize in BIOZEPHYR at Vellalar College of Engineering Technology.
- Naveen Kumar & N Govindaraj of Civil won First Prize in Technical Quiz at MPNMJ Engineering College
- S. Hariprakash of Civil won First Prize in CAD Design at M. P. Nachimuthu M Jaganathan Engineering College
- Pragadeesh and Team of Chemical engineering Students Participated and won prizes in Kongu Engineering College
- Amitha, Thaneesh, Ramya & Kavinsankar of MBA won II prize in on-the-spot event at KSR college of Engineering
- R.Divyarani, S.Prwmnath and Premnath of EEE won prizes in National level project design, PDCON at Mahendra engineering college.

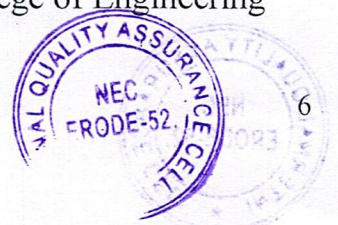
SPORTS ACHIEVEMENTS:

ZONAL LEVEL TOURNAMENT

- ❖ Silver Medal in Kabaddi Tournament held at Nandha Engineering College
- ❖ Silver Medal in Volleyball Tournament held at SSM Engineering College
- ❖ Silver Medal in Cricket Tournament held at KSR College of Engineering




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STATE LEVEL

- ❖ Varun.K.R. Second Year Mechanical won Gold Medal in State level wrestling competition conducted by Tamil Nadu Arm Wrestling Association.

INTER ZONE

- ❖ Selection trials attended in the following games.
 - ❖ Cricket - 3 students held at Nachimuthu Engineering College Pollachi.
 - ❖ Volleyball - 3 students held at Kongunadu Nadu Engineering College Trichy.
 - ❖ Kabaddi – 2 students held at Karpagam University.
 - ❖ Power lifting - 1 students held at Paavai Institutions.
 - ❖ Best physique - 1 students held at BIT campus Trichy.

Faculty Achievements:

- Mr.Krishnagandhi P, AP (Sr.G)/EEE received
 - ✓ “Guinness World Records Participation” organized by GUVI and AICTE
 - ✓ “Change Maker Award” in recognition for “Outstanding Contributions in the field of Innovation & Entrepreneurship”
 - ✓ “Exceptional Contribution” as a Evaluator in Toycathon 2021 organized by Ministry of Education Innovation Cell.
 - ✓ “Outstanding Judge” for event EUNOIA’21
 - ✓ “Certified Microsoft Innovative Educator” organized by Microsoft Education Center, USA
 - ✓ Top Ranking in IP Olympiad organized by IPTSE
- Dr.P.Thirumoorthy, Associate Professor, is an Elected Member in The Institution of Engineers(India), Erode Local Chapter from 2018 onwards.
- Dr.M.Easwaramoorthi, Mech acted as chairperson for SAE Collegiate Club activities.
- Department Logo e-Zealots has been accepted and advertised in Trade Marks Journal No: 2043 by Mr.T.Jayachandran of ECE
- **20 Faculty Members** have cleared NPTEL online course




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- Besides the above, our faculty members have served as elected members in professional chapters, Journal Reviewers and Juries.

Research & Development:

Publications:

The faculty members Published

- **60 papers** - Scopus / WoS and UGC journals
- **123 papers**- International and National journals

Grants Received:

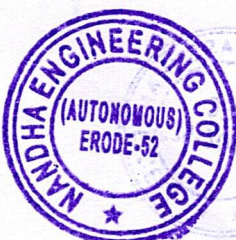
- Dr.C.N.Marimuthu of ECE received AICTE-RPS of Rs. 15,04,500/- on title” Designing a Fully Textile Fractal Monopole Wearable Antenna for Medical Imaging Applications”
- Dr C.Siva of IT received Rs. 1,50,000/- from TNSCST for Science and Technology for industrial needs
- Dr Jayakumar of EEE received Rs.30,000/- from CSIR on title “Emerging advancements in Battery technology for future Electric Vehicle Applications”
- TNSCST has sanctioned grant of Rs 7,500/- each for the student’s project
 - M.Rabi Ahamed of Agriculture department
 - Dr .E.K.Vellingiriraj of MCA department
 - Dr.S.Vanitha of Agriculture department
 - K.Rajasekaran of Chemical department
 - Dr.R.Murugasami of ECE department

Research guidance:

- **16** Recognized supervisors
 - Internal Research scholars: **14**
 - External Research scholars: **24**
- Research (Ph.D Completed) - **04**

Research (Patent / Copyrights Applied):

- ✓ Patent: **19**
- ✓ Copyright: **12**




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- ✓ Book Chapter: 02

Pursuing higher studies (Ph.D):

- 35 faculty members are pursuing higher studies in various fields

FDP/Seminar/Conference attended:

- The faculty members has undergone 387 programs in various industries and institutions

FDP/Seminar/Conference Organized:

- 85 programs were organized in our campus

Consultancy: Generated Rs. 3.75 lakhs through Testing and Consultancy activities.

Industrial interaction

- Signed MoU'S with 32 various industries
- Students undergone 07 Industrial Visit to various locations
- Faculty Industry Exchange (FINE) – 06 under this initiative

Scholarship

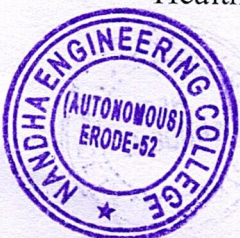
- Our management awarded Nandha Scholarship (NST) to the tunes of 1.44 Crores and 145 students benefited for their course durations.
- Rs. 46,54,155 was received from District Backward Welfare officer for 961 students.
- Rs. 1,31,17,000 was received from District Adi Dravida welfare officer and Department of Minorities welfare office for 249 students.

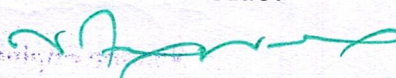
Professional chapters and Clubs

To promote co-curricular activities, the following clubs and professional societies are actively functioning. Around 2000 students have registered in various clubs.

Professional Chapters: IETE, IChE, ICACI, ISTE, CSI, ICTACT, ISI, EEDISSIA, MMA, ICI, IEEE & IEI

Technical Clubs : Multimedia Club; Education Career Guidance Club, Bootstrap Club, Automation Club, EPIC Club, Renewable Energy Club, Open Source Club, Health Club, HAM Club & Consumer Club.




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Extra-Curricular Clubs: Cultural Club, NSS, Road Safety, Tree plantation Club, Fine Arts, Photography Club, Sports Club, Music Club, Trekking Club, YRC Club & Social Club.

CiPD:

- ✓ 15 Lakhs fund received for product development from MSME for “Roll and Pull Type Uprooting Machine” by Subramanian D.
- ✓ Number of Activity conducted in IPR and Innovation through IIC is **29**.
- ✓ Our IIC is rated under 5 stars category for the activities.
- ✓ Number of Product Developed: 24

Social Activities

- Public Awareness Programme on E-Waste Management
- Passport Camp for Students and Staffs
- Plastic awareness and students welfare programme
- cleaning activity towards the Swach Bharat Mission.
- COVID-19 Vaccination camp on 07.09.2021.
- National Unity Day (Sardar Vallabhbhai Patel Jayanti) on 26.10.2021.
- Communal Harmony Week, Flag Day Collection on 29.11. 2021
- Election service during the Legislative Assembly Election of Tamil Nadu
- Road Safety Awareness Marathon 2022
- National Dengue Day

Entrepreneur Development Cell

- ❖ Entrepreneur Awareness camp held on 20, 21 and 22 December 2021, **86 Students Benefitted**
- ❖ Hands on training for Agriculture students - Coconut Tree Climbing Training & Mushroom Cultivation Training

Library Details

- Ultra modern library with **62,254 volumes and 19,593 titles**.
- **198 International and National print journals and 77 technical magazines**

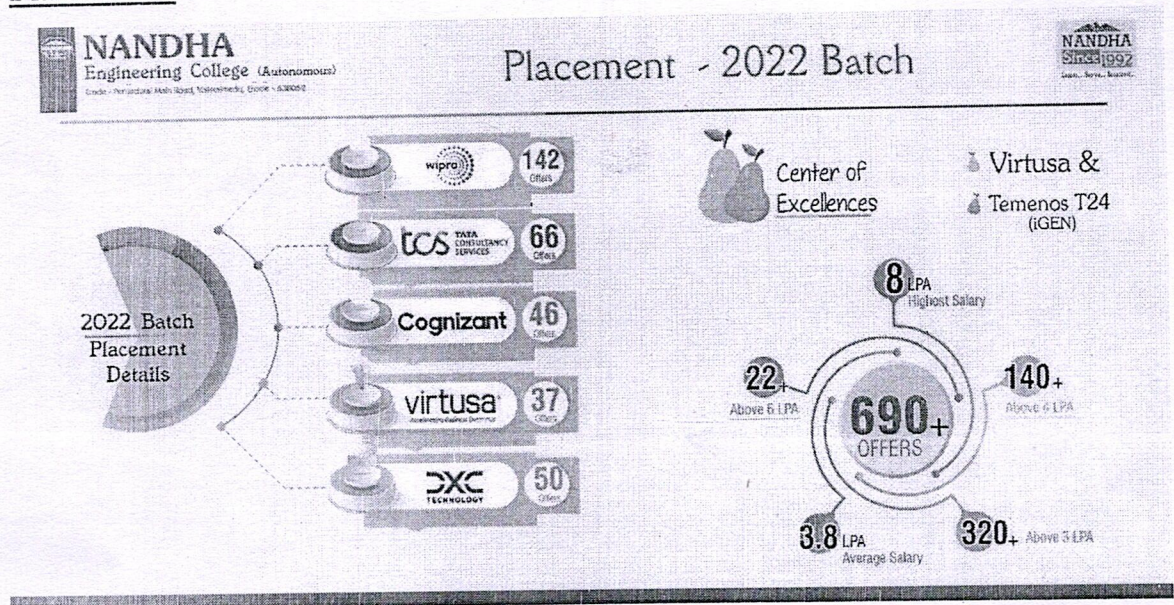


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- 200 IEEE, 2952 JGate, and 130 ProQuest online journals, 8820 e-books, 31,535 Audio Visual courses and 9202 Conference Proceedings with back volumes.
- A 50 inch TV is installed for supporting SWAYAM PRABHA - Massive Open Online Course (MOOC) facility.

Placement:



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