WORLD ENVIRONMENT DAY 2026

LAND RESTORATION, DESERTIFICATION & DROUGHT RESILIENCE

ASET NEWS

A Monthly Newsletter
of Ahalia School of Engineering and Technology,

Vol. 11, Issue 6, June 2026



OUR LAND, OUR FUTURE.
HEAL THE PLANET, RESTORE THE ECOSYSTEM.

ACT NOW FOR A SUSTAINABLE TOMORROW

PLANT TREES | SAVE WATER | REDUCE WASTE | SUPPORT BIODIVERSITY | EMBRACE RENEWABLE ENERGY

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University

ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. CSE & ECE programs (till 31-12-2028)

Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NBA NATIONAL BOARD OF ACCREDITATION

VISION

Grow as a center of learning and research, transforming students to professionals with knowledge, skill, competence, commitment, confidence through decisive learning and contribute to the sustainable development of the society.

MISSION

1. To instil technical expertise in order to address current and emerging challenges in the quest for creating sustainable and high-quality livelihoods.

2. To foster a culture of research, innovation, and entrepreneurship through determined learning.

3. To promote an environment that supports the welfare of society through ethical and professional conduct.

In This Issue...

Principal's Message 4

Achievements & Placement 5

Aset Activities 6

Staff write Up 15

Editorial Board

Editor-in-Chief

Dr. P.R.Suresh, Principal

Managing Editor

Dr. Krishna Kumar Kishor - Vice Principal

Editor

Dr. V. Balamurugan - Professor & HoD, ECE

Coordinating Editor

Mr. Lal S. - Librarian

Editorial Board Members

Dr. Pradip C - Professor & HoD, EEE

Dr. S. Gunasekaran - Professor & HoD, CSE

Dr. Bhavin K Bharath. - Professor & HoD, ME

Dr. B.V. Mathew - HoD, CE

Dr. Binoy Balan K. - Professor & HoD, S&H

Mr. Sunder V. HoD, AIML

Mr. Jishnoop Jayaprakash. - Asst. Prof, ME

Mr. Vinod Kumar P. - Asst. Prof, ECE

Mr. A. Manickavasagam- Asst. Prof, EEE

Mr. Jayakrishnan R - Asst. Prof, CE

Mrs. Anisree P. G. - Asst. Prof, CSE

Student Editors

Mr. Sachin K, S3, AIML

Mr. Abhinav AR . - S7, CSE.

Ms. Hrithika. R . - S7, CE.

Ms. Karthika G. - S7, EEE.

Ms. Pooja P Menon. - S7, ECE.

Mr. Naveen K. - S7, ME.

PRINCIPAL MESSAGE

Challenges of Rapid Urbanization in India



Dr. P.R. Suresh
Principal

India is witnessing one of the fastest urban transformations in the world. Cities are expanding rapidly as people migrate from rural areas in search of better education, employment, healthcare, and improved living standards. Urbanization has undoubtedly contributed to economic growth and technological advancement, but it has also created several critical challenges that demand immediate attention from policymakers, engineers, planners, and society as a whole.

One of the foremost challenges is the pressure on infrastructure. Roads, transportation systems, water supply networks, sewage treatment facilities, and electricity distribution systems in many Indian cities are struggling to meet the demands of the growing population. Traffic congestion, poor waste management, and inadequate public transport have become common issues affecting the quality of urban life.

Another major concern is environmental degradation. Rapid construction activities and industrial expansion have resulted in increased air and water pollution. Green spaces are shrinking, groundwater levels are declining, and urban flooding has become frequent in many metropolitan cities due to unplanned development and poor drainage systems. Sustainable urban planning is no longer an option but a necessity.
Urbanization has also widened socio-economic disparities. While cities offer opportunities, they also witness the growth of slums and informal settlements where basic amenities such as clean water, sanitation, healthcare, and education remain inadequate. Ensuring inclusive development is essential for maintaining social harmony and improving living conditions for all sections of society.

As an engineering institution, we believe that engineers have a vital role in addressing these challenges. Smart city technologies, sustainable construction practices, renewable energy systems, efficient waste management techniques, and innovative transportation solutions can significantly improve urban living. Young engineers must be encouraged to develop practical and sustainable solutions that balance development with environmental responsibility.

Educational institutions should actively promote research, innovation, and awareness regarding sustainable urban development. Collaboration between government agencies, industries, academic institutions, and citizens is essential for building resilient and future-ready cities.

Urbanization is an inevitable part of India's progress. However, the true measure of development lies not merely in the expansion of cities, but in creating urban spaces that are sustainable, inclusive, and capable of ensuring a better quality of life for future generations.

Let us work together towards building smarter, greener, and more sustainable cities for a stronger India.

ACHIEVEMENTS & PLACEMENT



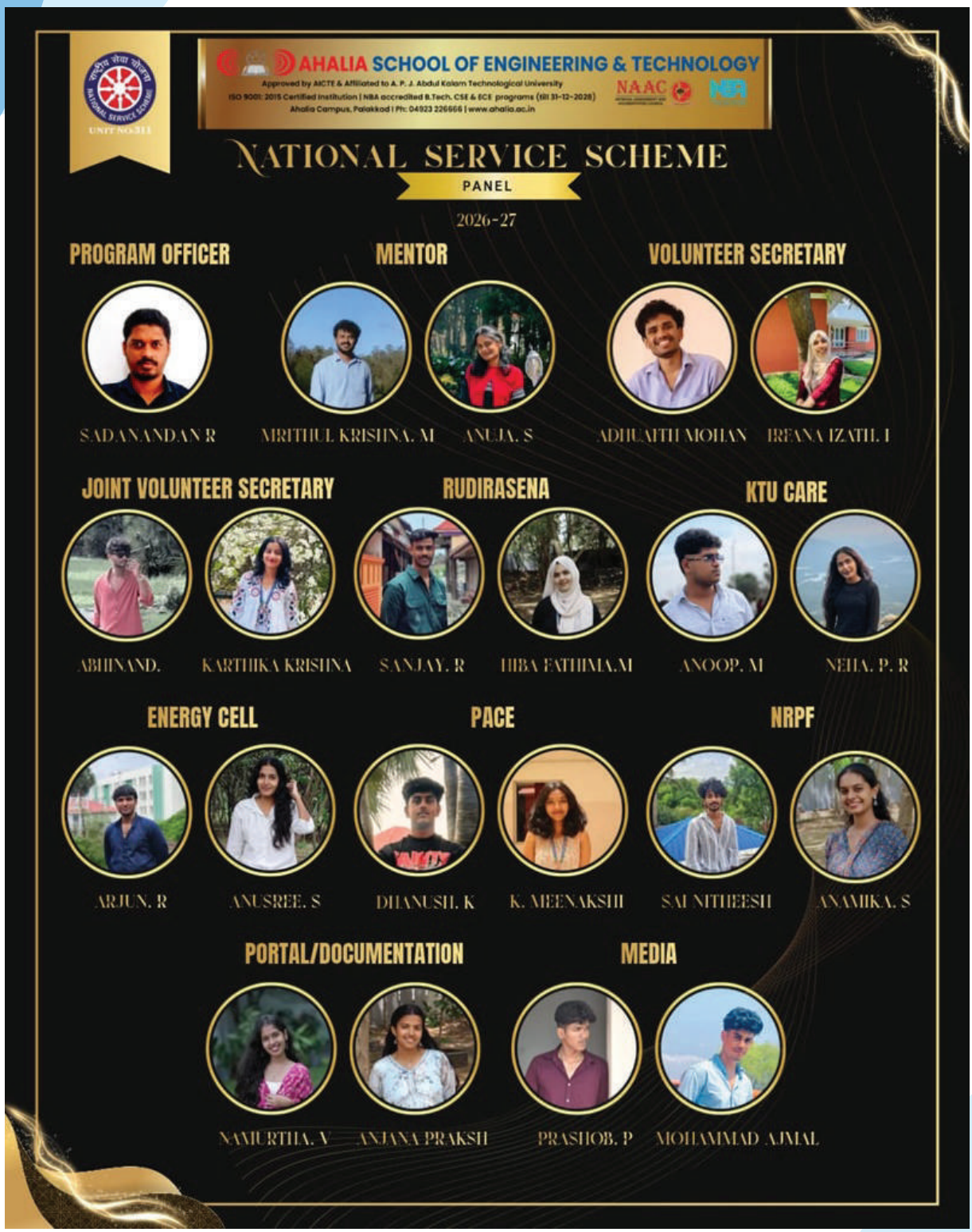






ASET ACTIVITIES




AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. CSE & ECE programs (till 31-12-2028)
Ahalia Campus, Palakkad | Ph: 04923 226666 | www.ahalia.ac.in
NAAC
NATIONAL SERVICE SCHEME
PANEL
2026-27
PROGRAM OFFICER
SADANANDAN R
MENTOR
MRITHUL KRISHNA. M
ANUJA. S
VOLUNTEER SECRETARY
ADHVAITH MOHAN
IRFANA IZATIL I
JOINT VOLUNTEER SECRETARY
ABHINAND.
KARTHIKA KRISHNA
RUDIRASENA
SANJAY. R
HIBA FATHIMA.M
KTU CARE
ANOOP. M
NEHA. P. R
ENERGY CELL
ARJUN. R
ANUSREE. S
PACE
DHANUSH. K
K. MEENAKSHI
NRPF
SAI NITHEESH
ANAMIKA. S
PORTAL/DOCUMENTATION
NAMURTHA. V
ANJANA PRAKSH
MEDIA
PRASHOB. P
MOHAMMAD AJMAL

National Technology Day

National technology day celebrated on May 11th 2026 at ASET. Principal Dr. Suresh. PR, and dean academics Dr Rajeev N stressed on the needs of using technology for sustainable development of Nation, faculty role in developing innovative ideas by students







Three-Day Teachers' Training Workshop

A Three-Day Teachers' Training Workshop was successfully organized from 07 May 2026 to 09 May 2026, with the objective of empowering teachers through professional development, personal growth, and interactive learning experiences. The workshop witnessed enthusiastic participation from teachers, who actively engaged in every session and activity conducted over the three days.

The programme commenced on 07 May 2026 with the inaugural session, setting a positive tone for the workshop. The sessions focused on key aspects such as Ground Rules, Emotional Intelligence, Self-Image, Self-Awareness, Growth Mindset, The Power of Manifestation, Alpha Meditation, Trust and Rapport Building, Flexibility & Adaptability, and Leadership. The activities were thoughtfully designed to encourage self-reflection, participation, and collaborative learning. Teachers found these sessions insightful and motivating, helping them identify areas for personal and professional enhancement.

On 08 May 2026, the workshop continued with engaging sessions on The Art of Effective Communication, Posture & Presentation Skills, Interpersonal Skills, Enhancing Personality & Influence Quotient, Empathetic Approach, VAK Analysis, 4E Combo for an Effective Teacher, Mentoring Skills, Energy Management Tools, and Team Dynamics. The sessions included interactive exercises and practical demonstrations that encouraged teachers to actively participate, communicate, and collaborate effectively. The day was marked by enthusiasm, energy, and positive interaction among participants.

The final day, 09 May 2026, focused on Bigger Picture Thinking, Proactive Attitude, Problem Solving & Creativity, Goal Pursuit, Effective Time Management, Prioritization, and Confidence Building Tools. These sessions were particularly impactful as they inspired teachers to rethink their approach towards teaching, classroom management, and personal growth. The activities conducted helped participants practically understand and internalize the concepts discussed.

The workshop concluded with the Valedictory Function, followed by certificate distribution to all participants. The concluding session reflected the success of the programme, with participants sharing their positive experiences and valuable feedback.

Throughout the three days, the workshop remained highly interactive and activity-oriented. Each day was filled with meaningful exercises, discussions, reflection activities, and collaborative tasks that ensured active involvement of all participants. The teachers thoroughly enjoyed the programme and appreciated the innovative and engaging methodology adopted by the resource persons.

The feedback received from participants was overwhelmingly positive. Teachers expressed that the sessions were highly relevant, inspiring, and practical, with several valuable takeaways that they could directly implement in their classrooms and professional practice. Many participants appreciated the workshop for not only strengthening their teaching competencies but also contributing to their personal growth and confidence.

The participants also expressed their willingness and enthusiasm to support and participate in future sessions organized by the institution. Their encouraging response reflects the effectiveness of the workshop and its positive impact on their professional development journey.

The successful completion of this workshop stands as a significant step towards fostering continuous learning, collaboration, and excellence in teaching practices. The programme was well-received and has laid a strong foundation for future faculty development initiatives.







Mathrubhum
മാതൃഭൂമി

മികവ് പരിശീലന പരിപാടി

പാലക്കാട്▸ അഹലിയ എൻജിനിയറിങ് കോളേജ് സ്റ്റാഫ് അധ്യാപകർക്കായി സൗജന്യമികവ് വികസന പരിശീലന പരിപാടി സംഘടിപ്പിച്ചു. ഏഴ്, എട്ട്, ഒൻപത് തീയതികളിൽ നടത്തിയ ത്രിദിന പരിപാടിയിൽ എൻജിനിയറിങ് കോളേജിലെ പ്രൊഫസറും അക്കാദമിക് ഡീനുമായ ഡോ. എൻ. രാജീവ് ഉദ്ഘാടനംനിർവഹിച്ചു. മെറ്റാ ലൈൻ ഡിസ് കോർപ്പറേറ്റ് പരിശീലകരായ അനൂപ് ജോൺ, കുവിള മാത്യു എന്നിവർ പരിശീലനത്തിന് നേതൃത്വം നൽകി. നൂറോളം അധ്യാപകർ പങ്കെടുത്തു.

10/05/2026 PALAKKAD Pg 02



ENGINEERING ODYSSEY – "From Concept to Creation: Unleash Your Creativity"

The Three-Day Summer Camp 2026 – Engineering Odyssey was successfully organized at Ahalia School of Engineering and Technology with the objective of introducing school students to the fascinating world of engineering, innovation, creativity, and technology through interactive sessions, practical demonstrations, laboratory visits, and hands-on learning experiences.

The camp witnessed enthusiastic participation from students from various schools, offering them a valuable platform to explore modern engineering concepts and develop curiosity toward technical education.

The camp commenced with a formal inauguration ceremony The dignitaries on stage included:

- Prayer: Mr. Rakesh, Assistant Professor, Department of Mechanical Engineering
- Welcome Address: Dr. Rajeev N, Professor & Dean Academics, Department of Mechanical Engineering
- Inauguration: Dr. Suresh PR, Principal, ASET
- Vote of Thanks: Dr. Pradip C, Professor & HOD, Department of Electrical & Electronics Engineering

The inaugural address emphasized the importance of innovation, creativity, and practical learning in shaping future engineers and encouraged students to actively participate in all camp activities.









The first day introduced students to Arduino technology and embedded systems applications.

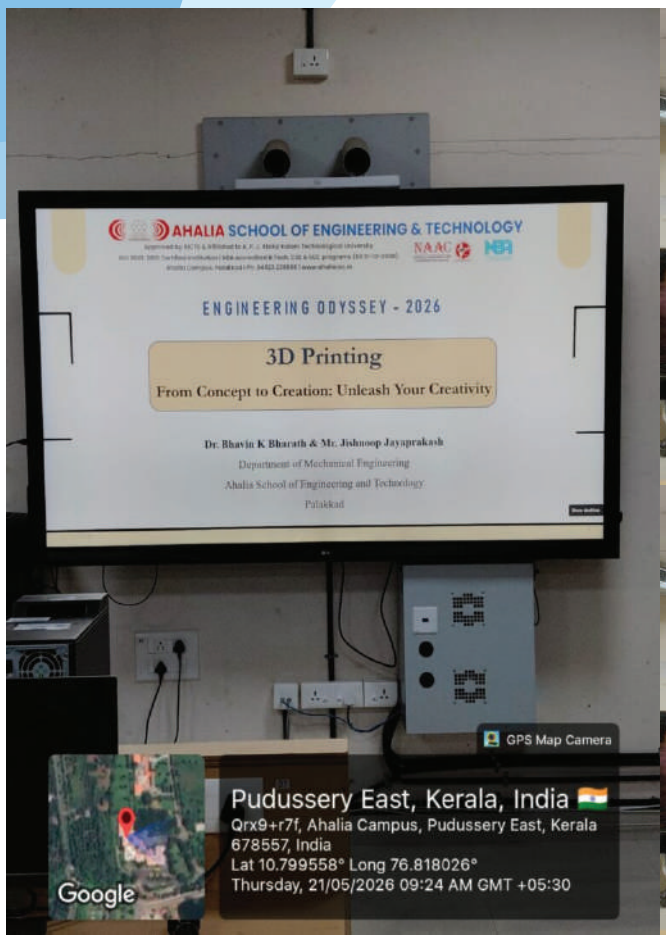
Sessions Conducted

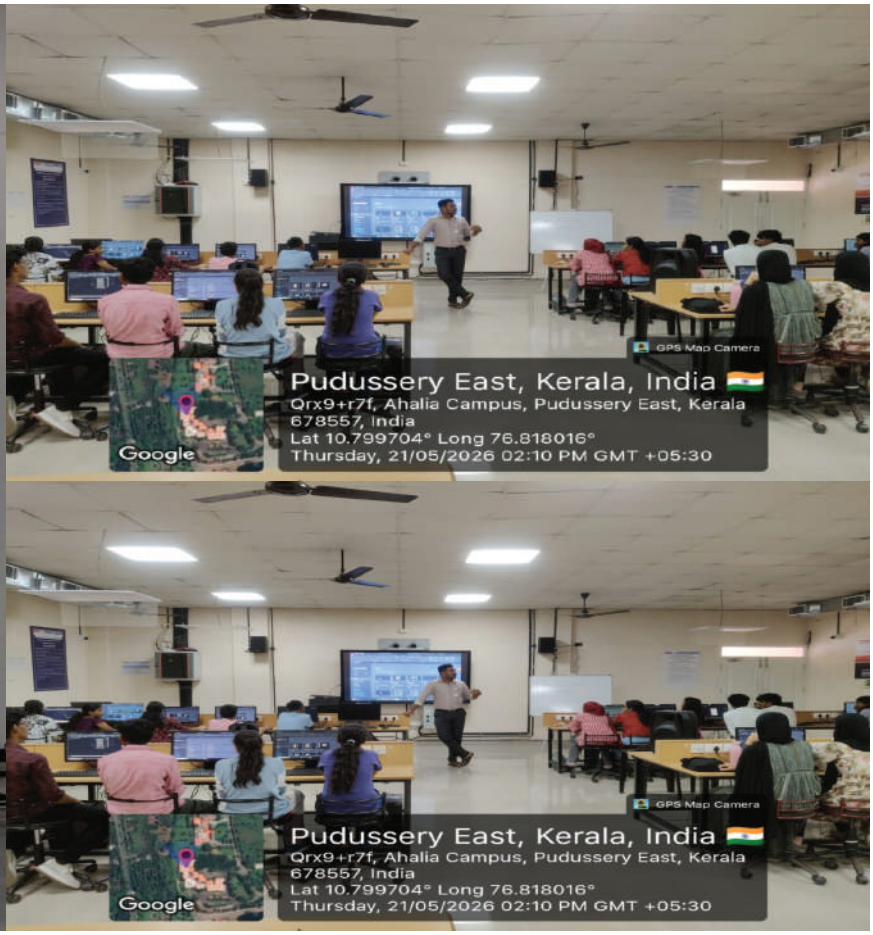
Introduction to Arduino and its real-world applications
Familiarization with Arduino board and components
Arduino programming basics
Sensor technologies and applications
Simple project development
Problem-solving and creativity-building activities
The hands-on practical sessions enabled students to understand basic coding, sensor interfacing, and project creation. Students actively participated with great curiosity and showed strong enthusiasm toward learning programming concepts.

The second day of Engineering Odyssey 2026– Ahalia Summer Camp organized by the Mechanical Engineering Department was held on schedule (21-05-2026), starting at 9:30 AM. The programme began with a prayer by one of the participants, followed by a welcome address from Dr. Bhavin K. Bharath. He also introduced the day's programme and its objectives. At 10:15 AM, the students were taken to the Mechanical Engineering laboratories. Dr. Vivek Gopi provided an introduction to Mechanical Engineering and explained its various applications. The lab
visit was supported by Mr. Surendran, Mr. Kishor, and Mr. Haridev. During the visit, students explored different laboratories and observed major equipment such as CNC machines, lathes, and other manufacturing facilities. The participants also visited the Genrobotics Facility, where technical staff demonstrated and explained various robotic cleaning systems and their applications. At 12:00 PM, Dr. Bhavin K. Bharath conducted a session on the Basics of 3D Printing. This was followed by a hands-on demonstration and practical session led by Mr. Jishnoop Jayaprakash, giving students an opportunity to learn about the 3D printing process. The day's activities concluded at 3:45 PM with a feedback session and interactive activities. Students shared positive feedback and expressed that they enjoyed all the sessions. The programme ended at
4:15 PM, and the students left the campus after an informative and enjoyable day of learning









Day 3: Civil Engineering, General Quiz & Campus ExplorationThe final day focused on practical engineering exposure and campus exploration.Sessions ConductedSeminar on Modern Trends in Civil EngineeringGeneral Engineering Quiz CompetitionInteractive exploration of real-world engineering applicationsCampus VisitStudents visited:Ahalia Heritage VillageThe visit provided valuable exposure to sustainable engineering practices and infrastructure technologies. Students actively participated in the quiz competition and displayed excellent analytical thinking and teamwork throughout the day.The session concluded with a Valedictory Function at 3:15 PM, where the Principal and Dean Academics addressed the students, appreciating their active participation and encouraging them to continue exploring innovative learning opportunities. Certificates were distributed to all participants in recognition of their successful completion of the camp. Vote of thanks was proposed by Dr. B V Mathew. The students expressed great happiness and satisfaction in being part of the programme. Many participants shared positive feedback and requested that future camps include Life Skills training sessions, reflecting their eagerness for holistic learning experiences. The programme ended at 4:30PM


ENGINEERING ODYSSEY
GPS Map Camera
Vadakarapathy, Kerala, India
Ahalia Building, Ahalia College Rd, Ahalia Campus, Vadakarapathy, Kerala 678557, India
Lat 10.798033° Long 76.820017°
Friday, 22/05/2026 12:19 PM GMT +05:30
Google
AHALIA GROUP OF INSTITUTIONS
Ahalia Campus, Palakkad - 678557 | Ph: 04923 225000

Top Skills Every Engineering Student Should Learn 2026



Jayakrishnan R
Assitant Professor
Dept.of Civil Engineering

Engineering education is evolving rapidly with the advancement of technology, automation, and global connectivity. Today's engineering students are expected not only to possess strong technical knowledge but also to develop practical, analytical, and interpersonal skills that prepare them for the challenges of the modern world. As industries move toward digital transformation and sustainable development, engineering graduates must continuously adapt and upgrade themselves. The following are some of the most important skills every engineering student should focus on developing in 2026.

First and foremost, technical proficiency remains the foundation of engineering. Students must have a clear understanding of the core concepts in their respective disciplines. However, learning should not remain confined to textbooks and classrooms.

Practical exposure through laboratories, mini projects, internships, and industrial visits helps students understand real-world applications of engineering principles. In addition, familiarity with modern software tools, simulation platforms, and digital technologies has become essential across all branches of engineering.

Another important skill is problem-solving and critical thinking. Engineers are expected to analyze complex situations and develop innovative solutions. In today's competitive world, industries seek graduates who can think creatively, make informed decisions, and solve practical challenges efficiently. Participating in technical competitions, hackathons, project exhibitions, and research activities can greatly improve these abilities.

The growing influence of Artificial Intelligence, Data Science, and Automation has made digital literacy highly important. Even students from non-computer science backgrounds are encouraged to learn basic programming, data analysis, and emerging technologies such as AI, IoT, robotics, and cloud computing. These technologies are transforming every sector, including healthcare, manufacturing, transportation, and energy management. Understanding these advancements will help engineering students remain relevant in the future job market.

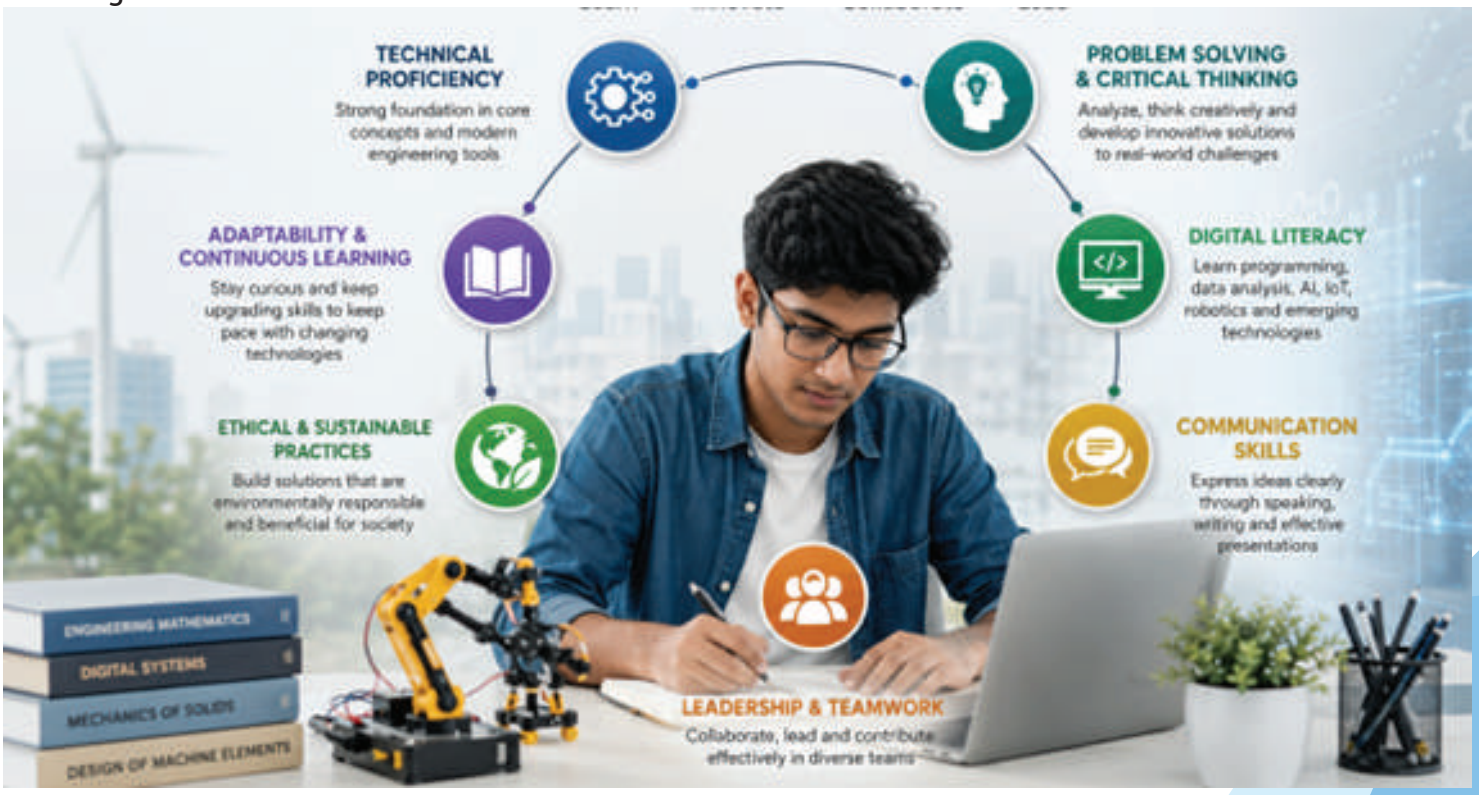
Along with technical expertise, communication skills play a vital role in professional success. Engineers often work in teams and interact with clients, managers, and professionals from different backgrounds. Therefore, the ability to communicate ideas clearly through speaking, writing, and presentations is essential. Good communication also improves leadership qualities and teamwork, both of which are highly valued in industries today.

In addition, students must cultivate adaptability and continuous learning. Technology changes rapidly, and the skills relevant today may become outdated tomorrow. Successful engineers are those who remain curious, open-minded, and willing to learn throughout their careers. Online certification courses, workshops, webinars, and self-learning platforms provide excellent opportunities for students to enhance their knowledge beyond the academic syllabus.

Another crucial aspect is ethical and sustainable engineering practices. Modern engineers have a responsibility toward society and the environment. Awareness about renewable energy, sustainable development, environmental protection, and ethical use of technology is increasingly important. Engineering solutions should aim not only for efficiency and profit but also for the welfare of humanity and the preservation of natural resources.

Finally, leadership and teamwork are indispensable qualities for future engineers. Engineering projects often require collaboration among individuals with diverse skills and perspectives. Students who actively participate in student organizations, technical clubs, community initiatives, and event management activities develop confidence, leadership ability, and organizational skills that greatly benefit their professional careers.

In conclusion, the engineering profession in 2026 demands much more than academic excellence alone. Technical competence combined with innovation, communication, adaptability, ethical awareness, and leadership will define successful engineers of the future. Engineering students who actively develop these skills during their academic journey will be better prepared to contribute meaningfully to industry, society, and technological advancement.



VIJAYOTSAV

WINNERS' RENDEZVOUS

★ 2026 ★



SSLC, PLUS TWO
പാസ്സായ
ഭിന്നശേഷിക്കാരെ
അഹല്യ ആദരിക്കുന്നു

വിജയയാത്ര
അഹല്യയോടൊഷം തുടരാം

7th June 2026,
10.00 am, Sunday

Ahalia Auditorium,
Ahalia Campus

For Registration

★ *Let's Celebrate* ★

ACHIEVEMENT, DEDICATION & SUCCESS!

For Registrations
9496000133

AHALIA GROUP OF INSTITUTIONS

Ahalia Campus, Palakkad - 678557 | Ph: 04923 225000

VIJAYOTSAV
WINNERS' RENDEZVOUS 2026

SSLC, +2 പരീക്ഷകളിൽ 90% വും അതിലധികവും മാർക്ക് നേടിയ വിദ്യാർത്ഥികളെയും, 100% വിജയം കൈവരിച്ച സ്കൂളുകളെയും

അഹല്യ ആദരിക്കുന്നു

Chief Guests



Smt. K. A. Thulasi
Minister for Welfare of SC/ST/BC



Sri. Adv. Sumesh Achuthan
MLA, Chittur



Sri. A. Prabhakaran
MLA, Malampuzha



7th June 2026 Sunday

10:00 AM

Ahalia Auditorium,
Ahalia Campus, Palakkad

Register @

For details:
9496000133

AHALIA GROUP OF INSTITUTIONS

Ahalia Campus, Palakkad | www.ahalia.in

94960 00133, 91889 09074, 04923-226666 academics.outreach@ahalia.ac.in

VIJAYOTSAV
WINNERS' RENDEZVOUS 2026

SSLC, +2 പരീക്ഷകളിൽ 90% വും അതിലധികവും മാർക്ക് നേടിയ വിദ്യാർത്ഥികളെയും, 100% വിജയം കൈവരിച്ച സ്കൂളുകളെയും

അഹല്യ ആദരിക്കുന്നു

INFLUENCERS

Welcome


Aneesh T.A


Soorya Menon


Kajal Rishad


Shivani Menon


Adhila Nasarin


Fathima Noora


Ancy Charles



7th June 2026 Sunday

10:00 AM

Ahalia Auditorium,
Ahalia Campus, Palakkad

Register @

For details:
9496000133

AHALIA GROUP OF INSTITUTIONS

Ahalia Campus, Palakkad | www.ahalia.in

94960 00133, 91889 09074, 04923-226666 academics.outreach@ahalia.ac.in

NAAC NBA

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. ECE & CSE programs (till 31-12-2028)
Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NBA NATIONAL BOARD OF ACCREDITATION

CIVIL EXCELLENCE STORIES



My journey at the Department of Civil Engineering, Ahalia has been inspiring and transformative. The support from faculty, hands-on learning, and real-world exposure have shaped me into a confident professional ready to take on new challenges.



V S RISHIKESH

Got Placed in
Sobha Developers Pvt Ltd
Arbee Structures Pvt Ltd

Currently joined for
HIGHER STUDIES

B.Tech Civil Engineering
(2021-2025 Batch)

ACADEMIC EXCELLENCE & LEARNING

- Strong foundation in core civil engineering concepts and modern technologies
- Skill focussed education supported by practical and industrial exposure
- Hands-on experience through labs, projects, site visits, and seminars

SKILLS & ACHIEVEMENTS

- Developed expertise in structural analysis, planning, and design
- Active participant in technical events, workshops, and model competitions
- Enhanced leadership, teamwork, and problem-solving abilities

EXPOSURE & GROWTH

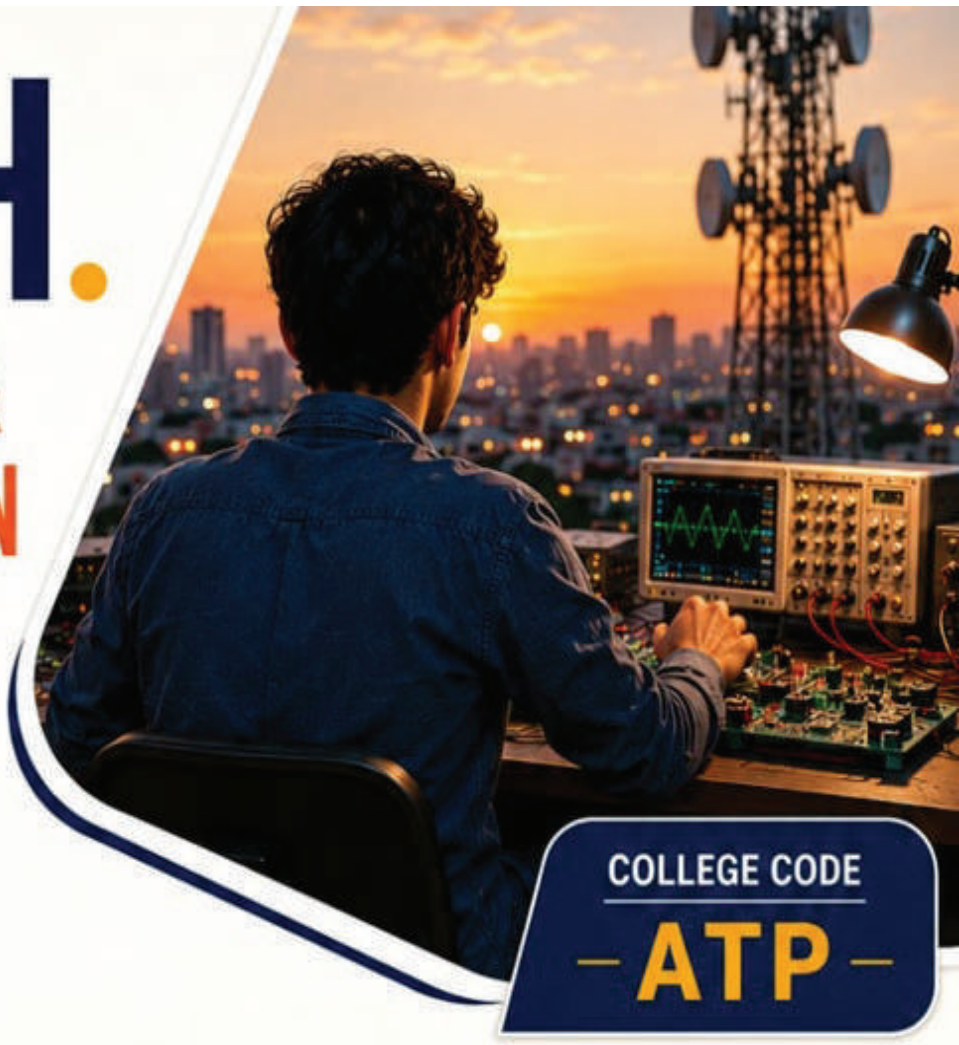
- Internship and industrial training with renowned organizations
- Guidance from experienced faculty and industry experts
- Holistic development for a successful professional career

ADMISSION OPEN 2026

COLLEGE CODE :- **ATP**

B.TECH.

ELECTRONICS & COMMUNICATION ENGINEERING



DESIGNING CONNECTIONS.
BUILDING TOMORROW.

COLLEGE CODE
ATP

SMART SYSTEMS.
STRONG SIGNALS.

LIMITLESS
POSSIBILITIES.

COMMUNICATION
CONNECTS
THE FUTURE.

ACCREDITED.
TRUSTED.
PROVEN.
(NBA & NAAC)

- Learn. Innovate. Communicate. Lead the Future.
- Industry-Ready Skills. Real-World Impact.
- Add-On Courses. Industry-Designed. Career-Driven
- MoUs That Open Doors to Top-Tier Internships

ADMISSIONS OPEN 2026-27

FOR MORE DETAILS

91 88 90 53 59
94 96 00 01 33

VISIT

www.ahalia.ac.in

BUS FACILITIES | HOSTEL FACILITIES | WIFI CAMPUS | GREEN CAMPUS

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. ECE & CSE programs (till 31-12-2028)
Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NBA NATIONAL BOARD OF ACCREDITATION

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. ECE & CSE programs (till 31-12-2028)
Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

B.TECH.
ELECTRICAL & ELECTRONICS ENGINEERING

WHY EEE IS CRUCIAL IN THE COMING YEARS

1 RENEWABLE ENERGY & SUSTAINABILITY

- Solar power
- Wind energy
- Smart grids
- Energy storage systems
- Sustainable solutions

EEE engineers design efficient and eco-friendly energy systems.



2 GROWTH OF ELECTRIC VEHICLES (EVs)

- Battery management systems
- Charging infrastructure
- Motor drives & controllers
- Power electronics
- Vehicle automation

Companies worldwide are investing heavily in EV technology.



3 AUTOMATION & INDUSTRY 4.0

- Robotics
- PLC & SCADA systems
- Industrial automation
- Sensors & control systems
- AI-integrated machinery

EEE engineers play a major role in intelligent and automated industries.



4 SMART HOMES & IoT

- Internet of Things (IoT)
- Smart appliances
- Intelligent lighting
- Security & surveillance
- Energy-efficient devices

Building smart homes and smart cities of tomorrow.



5 POWER SYSTEM MODERNIZATION

- Smart grids
- Reliable transmission
- Renewable integration
- Energy management
- Cyber-secure infrastructure

EEE engineers ensure stable and efficient power delivery.



6 ELECTRONICS IN EVERYDAY LIFE

- Communication systems
- Consumer electronics
- Biomedical devices
- Satellite systems
- Semiconductor technologies

Electronics engineers build faster, smarter and more efficient devices.



7 ARTIFICIAL INTELLIGENCE & EMBEDDED SYSTEMS

- Embedded controllers
- Signal processing
- Sensors
- Microprocessors
- Hardware-software integration

EEE provides the foundation for AI, robotics, drones and autonomous systems.



8 HIGH DEMAND ACROSS INDUSTRIES

EEE graduates can work in:

- Power & Energy
- Electronics Manufacturing
- IT & Software
- Automation
- Government Sectors
- Research Organizations
- Aerospace & Defense
- Telecom
- Transportation
- ...and many more!



EEE – POWERING INNOVATION. ENERGIZING THE FUTURE.

EEE – A BRIGHT FUTURE WITH ENDLESS POSSIBILITIES!

CORE ELECTRICAL CAREERS

- Power Systems Engineer
- Electrical Design Engineer
- Maintenance Engineer
- Substation Engineer
- Power Plant Engineer

ELECTRONICS & EMBEDDED SYSTEMS

- Embedded Systems Engineer
- Electronics Design Engineer
- PCB Design Engineer
- IoT Developer

AUTOMATION & CONTROL

- Automation Engineer
- Control Systems Engineer
- Robotics Engineer
- PLC/SCADA Engineer

RENEWABLE ENERGY & EV SECTOR

- Solar Energy Engineer
- Wind Energy Engineer
- EV Design Engineer
- Battery Systems Engineer

IT & SOFTWARE CAREERS

- Software Developer
- AI/ML Engineer
- Data Analyst
- Cloud Engineer
- Cybersecurity Analyst

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. ECE & CSE programs (till 31-12-2028)
Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NBA NATIONAL BOARD OF ACCREDITATION

LABORATORY FACILITIES

1 SYSTEM SIMULATION LAB



Simulation tools for analysis, design and performance evaluation of electrical systems.

2 ELECTRICAL MACHINES LAB



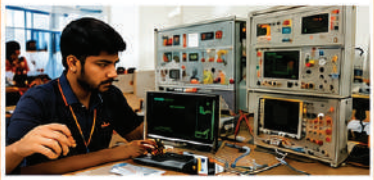
Study and testing of DC/AC machines, transformers and industrial drives.

3 POWER ELECTRONICS LAB



Hands-on experience in power electronic converters, inverters and control circuits.

4 EMBEDDED SYSTEMS LAB



Design and development of embedded systems and real-time applications.

5 MEASUREMENTS LAB



Precision measurements of electrical parameters using modern instruments.

6 ANALOG ELECTRONICS LAB



Study of analog circuits, amplifiers and signal conditioning techniques.

7 DIGITAL ELECTRONICS LAB



Hands-on learning in digital circuits, logic design and microprocessor applications.

8 POWER SYSTEMS LAB



Analysis of power systems, protection, stability and fault studies.

WHY CHOOSE AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY (ASET)?

QUALITY TECHNICAL EDUCATION

Strong theoretical foundation, practical training, industry-oriented learning and project-based education.

EXPERIENCED & SUPPORTIVE FACULTY

Guidance in academics, research, projects, internships, competitive exams and career development.

INDUSTRY EXPOSURE & SKILL DEVELOPMENT

Industrial visits, workshops, seminars, internships, technical competitions and skill enhancement programs.

FOCUS ON EMERGING TECHNOLOGIES

Renewable Energy, Electric Vehicles, Automation, Embedded Systems, AI, IoT, Robotics and Smart Technologies.

TRAINING & PLACEMENT SUPPORT

Aptitude training, soft skills, resume building, interview preparation and campus recruitment assistance.

INNOVATION & PROJECT CULTURE

Hackathons, technical fests, project exhibitions, paper presentations and innovation challenges.

PROFESSIONAL SOCIETIES & ITS ACTIVITIES

IEEE, IEI and other professional bodies for knowledge sharing and networking.

ENERGY CLUB

Promoting energy awareness, sustainability projects and green initiatives.

SOCIAL SERVICE ACTIVITIES

Encouraging students to contribute to society and build a better community.

WORKSHOPS & EXPERT LECTURES

Regular sessions by industry experts and academicians to keep students updated.

HACKATHONS

Platform to innovate, collaborate and solve real-world problems.

CULTURAL & SPORTS ACTIVITIES

A perfect blend of academics, culture and sports for holistic development.

HIGHER STUDIES & RESEARCH OPPORTUNITIES

M.Tech Specialisations

- Power Systems
- Power Electronics
- Control Systems
- Renewable Energy
- VLSI
- Electric Vehicle Technology (EVT)
- Smart Grid & Energy Management



MBA

Career Opportunities in

- Management
- Operations
- Business Analytics
- Technical Consulting

RESEARCH & PhD

Areas

- AI Hardware
- Smart Grids
- Robotics
- Semiconductor Research
- Sustainable Energy Systems



ENTREPRENEURSHIP OPPORTUNITIES

- Solar Installation
- EV Charging Solutions
- Automation Services
- Electronics Repair & Manufacturing
- IoT Product Development
- Start your own innovative venture!

College code:- ATP

Contact us: 9496000133,918905359

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. ECE & CSE programs (till 31-12-2028)
Ahalia Campus, Palakkad I Ph: 04923 226666 | www.ahalia.ac.in

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NBA NATIONAL BOARD OF ACCREDITATION

BUILD YOUR FUTURE WITH AHALIA

STUDY B.TECH. @ AHALIA

BUILD
INNOVATE
EXCEL

- MECHANICAL ENGINEERING
- CIVIL ENGINEERING
- COMPUTER SCIENCE ENGINEERING*
- ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
- ELECTRICAL & ELECTRONICS ENGINEERING
- ELECTRONICS & COMMUNICATION ENGINEERING*

- INDUSTRY ORIENTED CURRICULUM
- EXPERIENCED FACULTY
- EXCELLENT PLACEMENT SUPPORT
- MODERN LABS & ADVANCED INFRASTRUCTURE
- HOLISTIC DEVELOPMENT OPPORTUNITIES

- GREEN CAMPUS
- Wi-Fi CAMPUS
- SUSTAINABLE INITIATIVES
- SAFE & SECURE CAMPUS
- VIBRANT CAMPUS LIFE

BUS FACILITY available around Palakkad

HOSTEL FACILITY available

www.ahalia.ac.in

+91 94960 00133
+91 91889 05359

COLLEGE CODE **ATP**

APPLY NOW

* NBA ACCREDITED B.Tech PROGRAMMES IN CSE & ECE.

AHALIA GROUP OF INSTITUTIONS

Ahalia Campus, Palakkad-678557 I Ph: 04923 225000 I www.ahalia.in

THE LARGEST & GREENEST EDU-HEALTH CAMPUS IN KERALA

Study @Ahalia

COURSES OFFERED

Ahalia Public School

- Pre-KG to XII (CBSE)

Ahalia School of Engineering & Technology

- B.Tech. Artificial Intelligence & Machine Learning
- B.Tech. Civil Engineering
- B.Tech. Computer Science & Engineering*
- B.Tech. Electronics & Communication Engineering*
- B.Tech. Electrical & Electronics Engineering
- B.Tech. Mechanical Engineering

(*NBA accredited)

Ahalia School of Management

- MBA Marketing
- MBA Finance
- MBA Human Resource Management
- MBA Healthcare Management
- MBA Operations, Logistics and Supply Chain Management
- MBA Business Analytics

Ahalia School of Optometry & Research Centre

- Ph.D. Optometry
- Master of Optometry (M.Optom.)
- B.Sc. Optometry
- Diploma in Ophthalmic Assistance

Ahalia School of Pharmacy

- University Research Centre for Pharmacology & Pharm. Chemistry
- B. Pharm.

Ahalia College of Nursing

- B.Sc. Nursing

Ahalia Ayurveda Medical College

- Ph.D. Ayurveda
- BAMS

Ahalia Multi Skill Training Institute

Job-oriented IT, Hospitality and Health Care courses, affiliated to various Central Govt. / State Govt. bodies and agencies including

- LBS Skill Centre (LBS Centre for Science & Technology)
- NSDC (National Skill Development Corporation)
- NDA (National Development Agency)

Ahalia School of Commerce & Mathematics

- BBA Honours
- B. Com. Honours
- BA Journalism & Mass Communication Honours
- BBA Honours with CMA
- B. Com. Honours with CMA

Ahalia School of Paramedical Sciences

- B.Sc. MLT
- DDT (Diploma in Dialysis Technology)
- D.MLT (Diploma in Medical Laboratory Technology)

Ahalia Diabetes Hospital

- DNB in General Medicine
- Diploma in Anaesthesiology
- Diploma in Family Medicine

Ahalia Women & Children's Hospital

- DNB in Pediatrics
- Diploma in Pediatrics
- Diploma in Obstetrics & Gynecology (DGO)

Ahalia Foundation Eye Hospital

- FNB in Vitreo Retinal Surgery
- DNB in Ophthalmology
- Diploma in Ophthalmology

94960 00133, 91889 09074, 04923-226666

academics.outreach@ahalia.ac.in