

C. ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by, AICTE, New Delhi, Affiliated to Anna University) HAKEEM NAGAR, MELVISHARAM, RANIPET 632509



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DEPT. OF SCIENCE & HUMAN





CONTENTS

About The College		
About The Department of Science and Humanities	5	
Induction Programme for First Year Students	6	
Ramanujan Math Club with Logo Launch	17	
The English Club Inauguration Program	18	
Faculty Corner	19	
Student Achievements	20	
Staff Achievements	22	

S&H NEWSLETTER



JUNE 2025-SEPTEMPER 2025

VOL. 1: NO.1

Hello readers,

We are delighted to welcome you to the latest issue of the S&H Newsletter! This edition comes with a refreshed look, crafted to be more engaging and insightful. Alongside our articles, we've introduced a dedicated photo gallery that hights our vibrant activities and everyday moments, reflecting the dynamic spirit of our publication.

VISION

> Providing quality technical education on par with global standards.

MISSION

- ➤ To nurture world class intellectual growth of our students by imparting high quality, futuristic technical education in a cost effective manner.
- ➤ To inculcate love for integrity and moral values among students and enable them to contribute to the development of humanity through application and dissemination of technical knowledge.
- ➤ To strive for advancement in engineering research and develop the college into a centre par excellence in engineering and technology.

QUALITY POLICY

C. Abdul Hakeem college of engineering and Technology strives to establish a system of quality assurance to continuously address, monitor and evaluate the quality of education offered to students, thus promoting effective teaching learning process for students' benefits and making our institution a centre of excellence in engineering and technology studies.

ABOUT THE COLLEGE

Our college, established in 1998 and situated in a 44 acres site on the eastern outskirts of Melvisharam Town, on the Chennai - Bangalore National Highway, about 110 kms. from Chennai Airport (Anna International Airport / Kamaraj Domestic Terminal), 4 kms from Arcot and 20 kms ahead of Vellore. Walajah Road and Katpadi are the nearby Railway Stations to our College and it is well connected with various bus routes. It is a few minutes drive from Ranipet Industrial town. Thus, our college is easily accessible.

- ➤ C. Abdul hakeem college of engineering is having **28 years** of successful academic reputation offering 8 UG programs and 3 Pg programs with a current intake of more than 650 students per year.
- ➤ One department have been recognized as research centre by Anna university to pursue Ph.D.
- ➤ Our institution has received the NIDHI PRAYAS Grant of ₹5,00,000. The funding is provided under the NIDHI PRAYAS scheme, which is supported by the Department of Science & Technology (DST), Government of India, to promote innovation and prototype development.



ABOUT THE DEPARTMENT OF SCIENCE AND HUMANITIES

The Department of Science and Humanities serves as the foundation of engineering education. It aims at providing competitive quality education and support the students to set basic intense foundation in all the branches of engineering. It is a multidisciplinary department and started functioning in the year 1998 with a team of dedicated faculty members who have been actively engaged in imparting quality teaching of the courses in basic science and humanities for graduating engineering students. It plays a vital role in shaping students' academic and professional growth by imparting fundamental knowledge in Mathematics, Physics, Chemistry, and English. The department aims to strengthen the analytical, scientific, and communication skills of first-year engineering students, preparing them to meet the challenges of advanced engineering courses.

The department is committed to nurturing intellectual curiosity, creativity, and a scientific temper among students. It focuses on holistic development through effective teaching methodologies, laboratory-based learning, and interactive sessions. With a team of experienced and dedicated faculty members, the department ensures academic excellence, discipline, and ethical values. The department also promotes research, innovation, and interdisciplinary learning by encouraging students to participate in seminars, workshops, and project-based activities. Through continuous mentoring and guidance, the Department of Science and Humanities lays a strong educational foundation that supports students throughout their engineering careers.



INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS 2025-26

The Freshers' Induction Programme – 2025 for UG and PG students of the Academic Year 2025–26 was inaugurated on **24th July 2025 at 9:30 a.m.** in the CAHCET Auditorium. The programme was organized jointly by the Departments of MBA, MCA, and Science & Humanities to welcome and orient the new students into the academic and cultural environment of the institution. The chief guest of the event was **Dr. K. Karthik Velu**, CEO – One Life, One Chance, Life Skill Academy. In his keynote address, Dr. Velu emphasized the importance of life skills, positive mindset, and self-belief in shaping students' academic and professional success. His motivational talk inspired the students to cultivate confidence, discipline, and a vision for their future endeavors. The programme marked the beginning of the induction activities designed to provide students with academic exposure, personal development opportunities, and institutional orientation. The enthusiastic participation of freshers reflected their eagerness to embark on their new academic journey.

Outcome:

The induction programme successfully set a positive tone for the academic year, motivating students to pursue excellence with determination and confidence.





Day-1: Introductory Class, Campus Tour, Creative Activity – Painting on 25.07.25



Day-2: Guest Lecture on Padippom! Jeyippom!! by Dr.L. Rajasekaran, AP/Physics, Govt. Arts College, Cheyyar on 28.07.25





Day-3: Visit to District Science Centre and Vellore Fort and Museum on 29.07.25





Day-4: Guest Lecture on "Role of Chemistry in Engineering and Technology" by Dr. Md. Safiullah, AP/Chemistry, CAHC on 30.07.25





Day-4: Seminar on "Balanced Diet and Healthy Living" by Mrs. Srimadhi Dharshini on 30.07.25





Day-4: Tamil Pattimandram by first year students on 30.07.25





Day-5: Talk on "Interview Tips" by Mr. Suhail Ahmed on 31.07.25

Day-6: Guest Lecture on "Rewiring Belief Systems: NLP in Early Cognitive Development" by Dr. Majella Jenvi Ignatia, Associate Professor/Head, Department of Mathematics,







Day-6: NSS Awareness Programme by Dr. Suranjan and Mr. Arul Bakiyaraj on 01.08.25









Day-7: Guest Lecture on "Marks and Mannerism" by Dr. Anabalagan, Professor, VIT University on 04.08.25



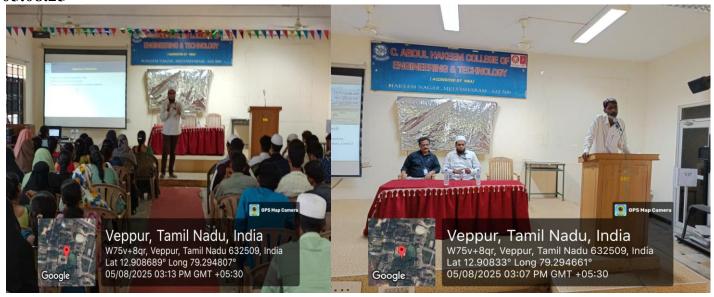
Day-7: workshop on "Yoga Awareness Programme" on 04.08.25







Day-8: Guest Lecture on "IIC activity" by Dr.B.A. Md. Hashim, "Dean/Refine Proney 05.08.25



Day-8: Speech by Tamil Mandram students on 05.08.25



Day-9: Guest Lecture on "Engineering your path to success" by Dr. Irshad Ahmed, Professor/MBA, CAHCET on 06.08.25





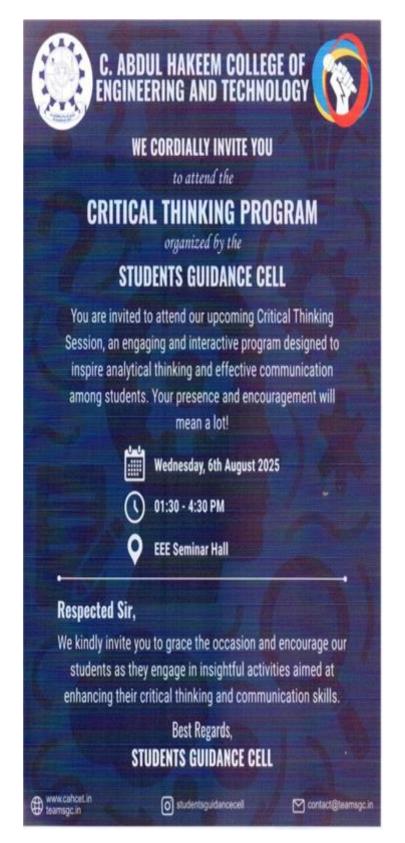


Day-9: Invited Talk on "Future by igniting their passion for technology and computing" by Mr. J. Harun and Mr. Mohammed Sufiyan on 05.08.25





Day-9: Activities by CAHCET SGC students on 05.08.25





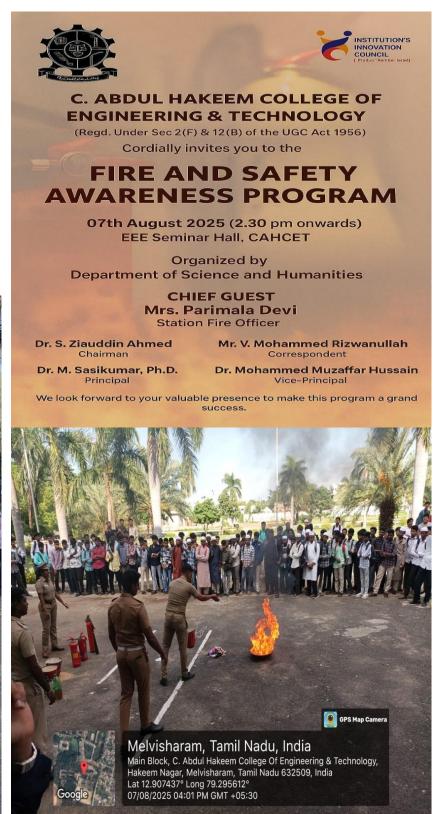




Day-10: Fire and Safety awareness program on 07.08.25







Day-10: Communication Skills by Mr. K.A. Hathi Basha, AP/English on 07.08.25



Day-10: English Poster presentation on 07.08.25





Day-11: Guest Lecture on "College Life Hacks: How to get the most out of your four years" by Mr. Y. Irshad Ahmed, AP/MBA, CAHCET on 08.08.25



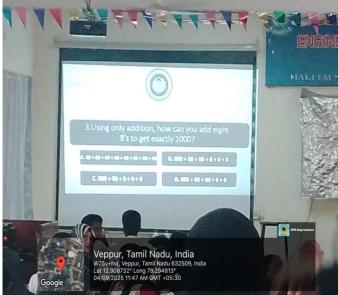
RAMANUJAN MATH CLUB WITH LOGO LAUNCH



The Department of Mathematics, has organised the inauguration of Ramanujan Club on 04/09/2025 along with a workshop for the first-year students. The highlight of the event was a special talk by Dr. B. V. Senthil Kumar, Head of Department on the topic " Ramanujan Contributions in Mathematics". Our esteemed Principal, Dr. M. Sasikumar, delivered the Inaugural Address, emphasizing the importance of mathematical thinking and encouraging students to engage in innovative learning. Following this, T. Mohammed Tanveer presented an inspiring biography of Ramanujan, and Kiruthika (CSE) outlined the Vision and Mission of the Ramanujan Club. Who Prizes were distributed to winners of Mathematics Quiz- Rapid Fire. Logical Puzzles. and Problem-Solving Challenges. Fun Games- Math Riddles, Sudoku Challenges, and a Treasure Hunt. The event provided an excellent platform for students to learn, compete, and have fun while strengthening their mathematical knowledge.







THE ENGLISH CLUB INAUGURATION PROGRAM



The Department of English, has organised the inauguration of The English Club (ProComm) on 18/09/2025 along with a workshop for the first-year students. The event graced by the presence of the Talks & Presentations included Ms. Tamilselvi's speech on the importance of English, a video on its history, and Mr. Anwar's talk on its benefits. Mr. Vasantha Kumar introduced the club members, delivered an insightful workshop session. Who Prizes were distributed to winners of Creative Writing, Poem Writing, and Singing competitions. Cultural events included songs, a skit, and fun language-based games. The event blended knowledge, creativity, and entertainment, marking a successful beginning for the club and inspiring student participation in future activities.







FACULTY CORNER

Dr. K. Sankar, Dr. S. Vadivel, Mr. L. Elangovan, Dr. R. Thangaraj, Dr. E. Parthiban, Dr. A. Ubaithulla Baig, Department of Science and Humanities, received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet -632509 on 02 Aug 2025



Dr. S. Vadivel, and Dr. E. Parthiban, Associate Professor, Department of Science & Humanities, received a certificate of Appreciation for acting as a Faculty Peer Evaluator at TECH STAR SUMMIT 2025 SIMATS Engineering dated on 16.06.2025 and 17.06.2025.







STUDENT ACHIEVEMENTS

The First-year students (B.E/B.Tech), C. Abdul Hakeem College of Engineering and Technology, actively participated in the National Level Technical Symposium - INFOGRAM'25, Organised on 9th September 2025 by the Department of Information Technology. The Symposium featured events such as Paper Presentation, Technical Quiz, Short film, Games, and Connections, attracting vibrant participation from various institutions. Our first year's students showcased their talents and secured top prizes in key events

Short Film – Prize Winners

First Prize

R. Naeemullah (AI&ML), F. Mohammed Abrar, A. Aathif Basha (IT-A), S. Manoj (AI&DS), N. Naveed (EEE)



ANNA UNIVERSITY ZONE-VI TOURNAMENTS-ACHIEVEMENTS

We are proud to announce the outstanding achievements of our students who brought laurels to our college by winning prizes in the Zonal Sports Meet organized by Anna university. Our talented athletes showcased exceptional skill, dedication, and team spirit across various events. Their hard work and commitment have made our institution proud.

Prize Winners:

S. No	Name of the Student	Department	Event	Prize	Level
1.	K. Vishal,	IT-B	Cricket	Winner	Zonal
	B. Mohamed Salman	CSE-B			
2.	L. Santhosh Kumar,	AI&DS	Foot ball	Winner	Zonal
	Zubair Sherif,	IT-B			
	S. Ashiq Ahamed	CSE-A			
	A. Shahul Hameed	CSE-B			
3.	P. MD Taha	AI&DS	Badminton	Win ner	Zonal
	A. Arif Ali	ECE			
4.	R. Dharshini	AI&DS	Basket ball	4th Place	Zonal
	Z. Sherin Taj	AI&DS			
	P. Gopika	EEE			
5.	J. Sreena	MECH	Badminton	2 nd Place	Zonal
6.	V. Deeplakshmi	CSE-A	Chess	3 rd Place	Zonal
	K. Sridevi	IT-B			
7.	S. Lingesh	IT-A	Volleyball	Winner	CM Trophy

Congratulations to all the winners and Participants!

Your dedication and performance continue to inspire your peers and reflect the true spirit of sportsmanship. We extend our heartfelt appreciation to the Physical Education Department and the staff coordinators for their continuous support and encouragement.

"Success is not just about winning medals, but about the effort, discipline, and teamwork that lead to victory."

C. Abdul Hakeem College of Engineering and Technology









STAFF ACHIEVEMENTS

PUBLICATIONS

- 1. S. Sudharsan, Associate Professor, Department of Mathematics (S&H), along with authors published a paper titled "Hyers-Ulam Stability Of N-Dimensional Additive Functional Equation In Modular Spaces Using Fixed Point Method" in the International Journal of Analysis and Application, (Impact factor- 0.268) Vol. 23, No. 48, 2025, The article online with the DOI: https://doi.org/10.28924/2291-8639-23-2025-148 (Scopus Indexed)
- 2. A. Ubaithulla Baig, Assistant Professor, Department of Physics (S&H), along with authors published a paper titled "Mesoporous Carbon From Murraya Koenigi: A Promising

- Anticancer, Anti-Inflammatory, And Antidiabetic Agent" in the Next Materials, (Impact factor- 1.9) Vol. 8, pp. 100708, 2025, The article online with the DOI: https://doi.org/10.1016/j.nxmate.2025.100708 (Scopus Indexed)
- 3. B. V. Senthil Kumar, Professor, Head of the Department of S&H (Mathematics), along with authors published a paper titled "On T-Inequalities and Equations Emerging from Square Root Mappings" in the Proceedings of the Institute of Mathematics and Mechanics, (Impact factor-0.9) Vol. 51, No. 1, pp. 66–73, 2025, The article online with the DOI: https://doi.org/10.30546/2409-4994.2025.51.1.1016 (Scopus Indexed).
- 4. B. V. Senthil Kumar, Professor, Head of the Department of Mathematics (S&H), along with authors published a paper titled "Reciprocal Squared Functional Inequalities and Equations" in the Asian- European Journal of Mathematics, (Impact factor-0.5) Vol. 18, No. 11, pp. 255054, 2025, The article online with the DOI: https://doi.org/10.1142/S1793557125500548 (Scopus Indexed).
- 5. E. Parthiban, Department of Chemistry (S&H), along with authors published a paper titled "Functional Modification of Photoluminescent Behaviour of 6-O-Triphenylmethylchitosan Embedded Zinc Sulphide based Nanocomposites: Synthesis" in the Asian Journal of Chemistry, (Impact factor-0.156) Vol 37, No. 9, pp. 227-2231, 2025, https://doi.org/10.14233/ajchem.2025.34238 (Scopus Indexed)
- 6. S. Sudharsan, Associate Professor, Department of Mathematics (S&H), along with authors published a paper titled "E-Learning Revolution: Exploring the Impact of Flipped Classrooms and Digital Learning" in the Indian Journal of Natural Sciences, Vol. 16, No. 91, 2025, The article online with the DOI: ISSN:0976-0997 (Scopus/SCI not Indexed)
- 7. E. Parthiban, Associate Professor, Department of Chemistry (S&H), along with authors published a paper titled "Investigation on Synthesis and Etymology of Antifungal Action of Triazole Compounds by Coupling of Pyrimidine with Hydrazine Carbothioamide" in the Journal of Chemical Health risk, (Impact factor-0.268) Vol. 15, No. 5, pp. 1334-1341, The article online with the DOI: ISSN:2251-6727 (Scopus Indexed)
- 8. E. Parthiban, Associate Professor, Department of Chemistry (S&H), along with authors Rajendran Chandran, Mahshab Sheraz, Amornchai Arpornwichanop, Anh N Phan, Parthiban Elumalai, Phuet Prasertcharoensuk published a paper titled "Toward Efficient Carbon Utilization and Renewable Energy Storage: A Review of Zeolite Catalysts for CO₂ Methanation" *Energy Fuels* 2025, (Impact factor-5.3) XXXX, XXX, XXX-XXXX, The article online with the DOI: https://doi.org/10.1021/acs.energyfuels.5c03613

PATENTS

9. Dr. S. Vadivel, Associate Professor, Department of Physics (S&H) has published a patent titled Smart computing device for predictive risk management in investments in the patent Application number 6448518 was published on 09.06.2025.

WORKSHOP

- 10. Dr. K. Sankar, Assistant Professor, Department of Mathematics (S&H), received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research-based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet -632509 on 02 Aug 2025
- 11. Dr. S. Vadivel, Associate Professor, Department of Physics (S&H), received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research-based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet 632509 on 02 Aug 2025
- 12. Dr. A. Ubaithulla Baig, Assistant Professor, Department of Physics (S&H), received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research-based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet -632509 on 02 Aug 2025
- 13. Dr. R. Thangaraj, Associate Professor, Department of Chemistry (S&H), received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research-based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet -632509 on 02 Aug 2025
- 14. Dr. E. Parthiban, Associate Professor, Department of Chemistry (S&H), received a certificate of Workshop for science teachers of schools and lectures of arts and science college and engineering college on How to guide students to do research-based science and engineering projects conducted in C. Abdul Hakeem College (Autonomous), Melvisharam, Ranipet -632509 on 02 Aug 2025
- 15. Mr. A. Mohamed Anwerullah, Assistant Professor, Department of English (S&H), received a certificate of National level research e-Workshop From idea to impact: Navigating the research lifecycle & journal selection strategies organised by Aurl Anandar College (Autonomous), Karumathur, Madurai on 13.09.2025 to 14.09.2025

FACULTY DEVELOPMENT PROGRAMME

- 16. Dr. B. V. Senthil Kumar, Professor, Head of the Department of S&H (Mathematics), participated in the One-day online FDP programme on AI Tools in Teaching organised by Arunai Engineering College, Thiruvannamalai held on 17th July 2025.
- 17. Dr. B. V. Senthil Kumar, Professor, Head of the Department of S&H (Mathematics), participated in the five days FDP programme on Cloud Computing organised by J B institute of Engineering and Technology, Hyderabad, held on 14th July 2025 to 18th July 2025.
- 18. Dr. B. V. Senthil Kumar, Professor, Head of the Department of S&H (Mathematics), participated in the five days FDP programme on Fundamentals and Applications of EDGE Computing using JETSON ORIN NANO as EDGE DEVICE organised by Sri Sairam College of Engineering, Bangaluru, held on 21th July 2025 to 25th July 2025.
- 19. Dr. M. Mohammed Abubakkar, Assistant Professor, Department of Physics (S&H), participated in the six days online International FDP programme on next-Gen Tech Synergy: Nano Engineering and Quantum Computing for Global Impact on 18/08/2025 to organised by Vel Tech Engineering College, Chennai.
- 20. Dr. M. Mohammed Abubakkar, Assistant Professor, Department of Physics (S&H), participated in the Five days online International FDP programme on Frontiers in advanced materials characterization Techniques and Applications on 30/08/2025 to organised by The New College, Chennai.
- 21. Dr. B. Sathikbasha, Assistant Professor, Department of Tamil (S&H), participated in the Five days online International FDP programme on Literary Thoughts from a Multifaceted Perspective on 11/08/2025-15/08/2025 to organised by The New Prince Shri Bhavani College of Engineering and Technology, Chennai.
- 22. Dr. B. Sathikbasha, Assistant Professor, Department of Tamil (S&H), participated in the Five days online International FDP programme on Valaithalam 2.0 conducted by Vaagai Tamil Sangam.
- 23. Dr. N. Kavitha, Assistant Professor, Department of Chemistry (S&H), has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Cutting Edge Advances in Artificial Intelligence and Data science at C. Abdul Hakeem College of Engineering & Technology from 15/09/2025 to 20/09/2025.

CONFERENCE

24. Mr. A. Vasanth Kumar, Assistant Professor, Department of English (S&H), has presented a paper titled Human trafficking as modern day slavery: A critical study of Amitav Ghosh's the Hungry tide and Anita Nair's chain of custody in the tree-day international conference on contemporary trends of English language, Literature, and Legal Language organised by Dr. Ambedkar Law university on 21 & 22.08.2025.

CERTIFICATE OF APPRECIATION

- 25. Dr. S. Vadivel, Associate Professor, Department of Physics (S&H), received a certificate of Appreciation for acting as a Faculty Peer Evaluator at TECH STAR SUMMIT 2025 SIMATS Engineering dated on 16.06.2025
- 26. Dr. E. Parthiban, Associate Professor, Department of Chemistry (S&H), received a certificate of Appreciation for acting as a Faculty Peer Evaluator at TECH STAR SUMMIT 2025 SIMATS Engineering dated on 17.06.2025
- 27. Dr. M. Mohammed Abubakkar, Assistant Professor, Department of Physics (S&H), participated in the National Space Week Celebration online quiz contest on 18 Aug 2025 at Nehru Science Centre, Mumbai.

EDITORS

Dr. E. PARTHIBAN, Associate Professor/ Chemistry