EDITOR'S NOTE

It gives me immense pleasure to present this edition of the Department Magazine of Computer Science and BCA. This magazine stands as a reflection of our Department's Academic Excellence, Creativity, Innovation and Commitment to technological advancement.

In today's rapidly evolving digital era, the fields of Computer Science and Computer Applications continue to shape the future through innovations in Artificial Intelligence, Machine Learning, Cyber Security, Data Analytics, Cloud Computing, and Software Development. Our department strives not only to provide strong theoretical foundations but also to ensure practical exposure through Workshops, Value Added Courses, Seminars, Hackathons, and Club Activities.

We are proud of our students who actively participated in Technical Competitions, Coding Contests, Paper Presentations and Cybersecurity Awareness programs. The Department of Computer Science extends a hearty thanks to the management for their support and guidance for the upbringing of this magazine.

Editor

Ms. Nisha Pauline R.

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ABOUT THE COLLEGE

Auxilium College founded in 1954 is the first women's College in the Vellore district and is affiliated to the Thiruvalluvar University. Auxilium has been granted the status of autonomy by the UGC and the Thiruvalluvar University from the academic year 2007-2008. The College has been accredited by National Assessment and Accreditation Council (NAAC) with A+ grade in 2003, Re-Accredited with a grade with A CGPA of 3.41 out of 4 in 2010 and with A+ grade with a CGPA of 3.55 out of 4 grade in the 3rd cycle in 2016. The College is currently holding as A^+ with a CGPA of 3.47 out of 4 in the 4th cycle of Assessment and Accreditation in May 2024.

It is a minority institution established and administered by the Daughters of Mary Help of Christians, commonly known as Salesian Sisters of Don Bosco, belonging to the Catholic Church. It is primarily meant for the higher education of deserving Catholics but members of other communities are also admitted without reference to caste or creed and their rights of conscience are respected.

Vision

The vision of the college is to educate young women especially the poorest to become empowered and efficient leaders of integrity for the society.

Mission

To impart higher education to the economically weak, socially backward and needy students of Vellore and neighboring districts.

Goal

The goal of our educative endeavor is to produce in a Salesian atmosphere, intellectually enlightened, spiritually inspired, emotionally balanced, morally upright, socially committed, accomplished – in a word – integrally formed young women who will be agents of social transformation in today's India. True to the vision of its Founders, the College commits itself to serve the economically weak, socially backward and needy students.

The Motto

The Motto of the College is KNOWLEDGE AND VIRTUE. The College Emblem constitutes a book, a lily and a lamp. The book stands for Knowledge and the lily for Virtue. The Lamp with the burning flame is a reminder to Auxilians, to keep the light of Knowledge and Virtue always alive. The hope and prayer of Auxilium is that every Auxilian while attaining Knowledge strives to acquire Virtue so that Knowledge and Virtue blend to make her a perfect model of womanhood.

HISTORY OF THE DEPARTMENT

Vision of the Department

The survival and growth of the society shall solely depend upon continuous emergence of knowledge based upon innovations. The pursuit of knowledge alone shall lead the individual, families and nation's prosperity and so vision of the Department is "Excellence in education and commitment to social responsibility".

Programmes Offered

Year of Establishment	B.Sc. Computer Science – 1991
	BCA – 2001
	M.Sc. Computer Science – 2000
	B.Sc. Data Science - 2025
(Additional Sections BCA) Year of Establishment	2009, 2024
Duration	UG: 3 Years, PG:2 Years
Pattern	Semester
Session	Un-Aided
Aim of the Course	• To open a channel of admission for computing courses for students, who have done the 10, 2 and are interested in taking computing as a career. • To train the students in basic knowledge in Computer Sciences, particularly in core areas and in developing application programs. • To impart sufficient knowledge and skills for writing general application programs.

	• To enhance logical and reasoning capabilities of students. • To provide experience of Information Technology scenario. • To equip students with the skills and knowledge needed to excel in the evolving landscape of data science and contribute to a data-centric world.

Seminars and Conferences

The Department conducts Conference and Inter-Collegiate competitions regularly for the benefits of the students.

MoU

The Department has an MoU with Redback IT Solutions Private Limited, a Vellore-based company engaged in business, manufacturing, skill development, education, and R&D services in fields such as training, consulting, research, technology, outsourcing, software development, and projects. This collaboration aims to enhance industry readiness of students through customized curriculum design, industrial training and visits, joint research and development, skill development programs on emerging technologies, guest lectures, faculty development programs aligned with National Occupational Standards, and active support for internships and placements. Redback IT Solutions will provide access to its labs, workshops, and industrial sites for hands-on training, while Auxilium College (Autonomous) incurs no financial commitment under this five-year agreement, which can be terminated with 30 days' written notice. The MoU emphasizes independent contractor status, with no intellectual property rights transferred between parties.

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
STAFF LIST

B.C.A. (SHIFT-I)

NAME	QUALIFICATION	DESIGNATION
Dr. Kavitha S	M.C.A., M.Phil., Ph.D.	Assistant Professor
Ms. Anita Madona M	M.C.A., M.Phil., (Ph.D.)	Assistant Professor
Dr. Sivaranjani N	M.Sc., M.Phil., NET, Ph.D.	Head i/c (B) & Assistant Professor
Ms. Kokila A	M.C.A., M.Phil., (Ph.D)	Assistant Professor
Ms. Dharani R	M.Sc., M.Phil, NET	Assistant Professor
Dr. Gina George	M.E., Ph.D.	Head i/c (C) & Assistant Professor
Mr. Nagarajan I	M.Sc., M.Phil., NET, M.Tech., (Ph.D.)	Assistant Professor
Ms. Lakshmi Priya S	M.C.A	Assistant Professor

B.C.A. (SHIFT-II), B.Sc. Data Science & M.Sc. Computer Science

NAME	QUALIFICATION	DESIGNATION
Dr. Shanthi A.L.	M.Sc., M.Phil., Ph.D.	Assistant Professor & Head i/c.
Dr. Lavanya S.	M.Sc., M.Phil., SET ., Ph.D.	Assistant Professor
Ms. Susai Mary Susila A.	M.C.A., M.Phil., B.Ed.	Assistant Professor
Dr. Tharani S.	M.Sc., M.Phil., Ph.D.	Assistant Professor
Ms.Shanthi S.	M.C.A.,M.Phil.,SET	Assistant Professor
Ms.Gayatri S.	M.C.A.,M.Phil.,NET-JRF., SET	Assistant Professor
Dr. Jayavani K.	M.Sc., M.Phil., Ph.D.	Assistant Professor
Ms. Deepa H.	M.Sc., B.Ed	Assistant Professor

B.Sc. COMPUTER SCIENCE

NAME	QUALIFICATION	DESIGNATION
Ms. Nisha Pauline R.	M.C.A., M.Phil.	Head i/c & Assistant Professor
Ms.Sangeetha V.	M.Sc., M.Phil., SET., (Ph.D).	Assistant Professor
Ms.Gayathri P.	M.Sc., B.Ed.	Assistant Professor

STUDENT SECRETARIES

STUDENT NAME	CLASS
Ms. Saliha Tazeen Syed Iqbal	III B.Sc. Computer Science
Ms. Poornima Palani	III B.C.A. (A) (Shift II)
Ms. Aysha A	III B.C.A. (B) (Shift I)
Ms. Israa Mohammed Ibrahim	III B.C.A. (C) (Shift I)
Ms. Aarthi Elangovan.	II M.Sc. Computer Science

COMPUTER SCIENCE DEPARTMENT SYSTEM ADMINISTRATOR

NAME	QUALIFICATION
Mr. Marshall E.	M.Sc., M.B.A.
Mr. Pradeep L.	B.E.,

PROGRAMMES

Student Induction Programme – Educational Visit

The Student Induction Programme on 09.07.2025 featured an educational visit for I BCA (Shift II), I B.Sc. Computer Science and I B.Sc. Data Science students to the Dr. Kalaignar Karunanidhi District Science Centre, Vellore. Students explored interactive exhibits in the Fun Science Gallery, Bioscience Gallery, Physical Science Gallery, 3D Science Show Theatre, Science Park, Digital Planetarium, and Innovation Hub. The hands-on experience ignited enthusiasm for science and technology. This visit fostered curiosity and practical learning essential for their academic journey.

National Level IBM Bootcamp Training

The National Level Training Programme on IBM Bootcamp, organized by the Department of Computer Science & Applications in association with EDUNET Foundation, ran from 21.07.2025 to 24.07.2025 for BCA (Shift I) & (Shift II) and B.Sc. Computer Science students in the Computer Lab starting at 9:00 a.m. daily. Mr. Vignesh Mathiyalagan and Mr. Vignesh Muthuvelan, master trainers from EDUNET Foundation, led sessions providing practical exposure to IBM technologies. II BCA, III BCA, II B.Sc. Computer Science, III B.Sc. Computer Science and II M.Sc. Computer Science students actively participated in this intensive four-day event.

Webinar on AI and Generative AI

The PG Department of Computer Science at Auxilium College organized an insightful webinar titled "Artificial Intelligence and Generative AI: Transforming the Future of Innovation" on 29.08.2025 at 9:30 a.m. through Google Meet. Coordinated by Dr. Shanthi A. L., and Dr. Lavanya S., the session featured Dr. K. Deeba from REVA University's School of Computer Science and Applications, Bangalore. Dr. Deeba delivered an engaging presentation distinguishing traditional AI from generative models while exploring their transformative applications in automation, creative industries, data-driven decision-making, and personalized user experiences.

Students actively participated in the interactive Q&A session, raising thoughtful queries about Generative AI's societal impact, practical implementation challenges, and future research directions. Dr. Deeba patiently addressed their doubts, encouraging exploration of AI-driven innovation with ethical responsibility.

The webinar provided an excellent platform for students to deepen their understanding of cutting-edge AI technologies. Participants expressed strong enthusiasm about Generative AI's potential and gained motivation to pursue research opportunities in this rapidly evolving field, better equipping them for industry demands and academic excellence.

Workshop on "Elevate Your Skills: Cloud, Containers & Observability"
The PG Department of Computer Science, Auxilium College (Autonomous), Vellore, organized a One Day National Workshop on "Elevate Your Skills: Cloud, Containers & Observability" on 6th October 2025 as part of the Silver Jubilee Celebrations of the department. The workshop aimed to bridge the gap between academic learning and industry practices by equipping students and faculty with essential knowledge in modern cloud technologies and observability tools.

The resource person, Mr. Chandra Mohan Dhanasekaran, Senior Cloud Infrastructure Architect, Kubernetes & DevOps Expert, HashiCorp Ambassador, and Terraform Book Author from Bengaluru, delivered an insightful session. He provided in-depth demonstrations on Docker containerization, AWS cloud deployment, Infrastructure as Code with Terraform, and observability principles such as logging, metrics, and tracing. His engaging presentation and live examples offered participants a clear understanding of how these technologies are transforming the software development and deployment landscape.

Participants from various institutions, including Adhiparasakthi College of Arts and Science, Kalavai, M.M.E.S. Women's Arts and Science College, Melvisharam, and C. Abdul Hakeem College, Melvisharam, actively took part in the workshop, along with students and faculty from Auxilium College. The sessions provided a collaborative platform for knowledge sharing and hands-on exploration of cloud-native tools.

The event concluded successfully with an interactive discussion and Q&A session, where participants expressed their appreciation for the practical insights gained. The workshop enhanced participants' technical competency in cloud technologies and strengthened industry-oriented learning.

Student Exchange Program

The Department of Computer Applications of Auxilium College (Autonomous), Vellore, in collaboration with Little Flower Degree College, Hyderabad, organized a Five-Day National Level Faculty and Student Exchange Program from 6th October 2025 to 10th October 2025. The program aimed to promote academic collaboration, knowledge sharing, and cultural exchange between faculty and students of both institutions. Various interactive sessions, expert talks, and hands-on workshops were conducted, providing valuable learning experiences and fostering professional growth among participants.

AI Workshop 4.0 Tools Workshop

The Department of Computer Applications (Shift II), in collaboration with Auxilium Innovation and Incubation Centre, organized a workshop on "AI Workshop 4.0 Tools for Innovators and Entrepreneurs" from 01.12.2025 to 12.12.2025 at 10:30 a.m. in the Computer Block Seminar Hall. Resource person Ms. S. Shanthi., M.C.A., M.Phil., SET., Assistant Professor, PG Department of Computer Applications, Auxilium College, delivered sessions on AI 4.0 tools essential for innovation and entrepreneurship.

The hands-on workshop focused on practical AI tools for innovators, covering applications in entrepreneurship, automation, and emerging technologies aligned with industry 4.0 standards. Participants gained skills to apply AI in real-world innovation projects, fostering entrepreneurial mindset and technical proficiency. The event, supported by NAAC A+ accredited institution and various innovation cells, motivated attendees to leverage AI for startup development and research excellence.

Data Analytics Course in association with IBM and ICT Academy

The Department of Computer Science & Applications conducted a Data Analytics Course in association with IBM and ICT Academy from 8th to 11th December 2025. The course introduced students to basic concepts of data analytics and its real-time applications. The sessions helped students gain awareness of data analysis techniques and enhanced their understanding of industry-oriented skills. The programme was informative and beneficial for the students.

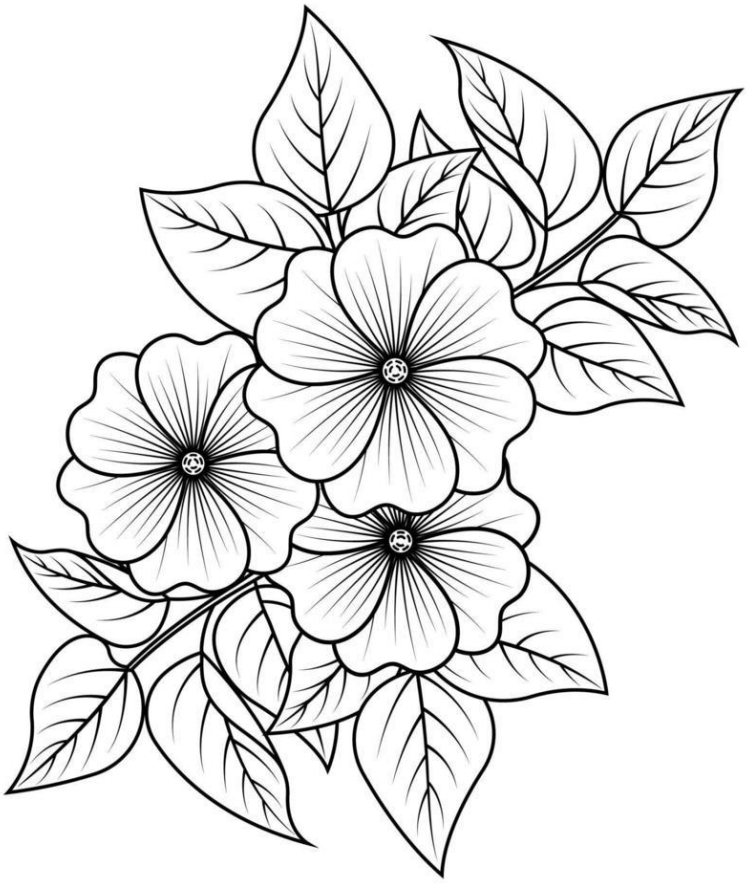
Webinar on "Data Science: Recent Trends and Project Perspective"

The PG Department of Computer Science, Auxilium College (Autonomous), Vellore, organized a webinar on "Data Science: Recent Trends and Project Perspective" on 17th December 2025 from 10.00 a.m. to 11.30 a.m. through the Google Meet platform. Dr. P. Ramachandran, Head of the Department of Data Science and Artificial Intelligence, R.K.M. Vivekananda College (Autonomous), Shift II, Mylapore, Chennai, served as the Resource Person and highlighted key developments and project directions in the field of Data Science.

International Conference on Computational Mathematics and Artificial Intelligence

The International Conference on Computational Mathematics and Artificial Intelligence (ICCMAI) was organized by Department of Mathematics, Computer Science and Computer Applications on 13.02.2025. The programme commenced with an inaugural session that welcomed dignitaries, faculty members, and students, highlighting the importance of Artificial Intelligence in education and technology. A notable speaker, Dr. Sathish Narayanan, Head of Applications, Chairman of IFFAI, USA encouraged participants to expand their knowledge beyond conventional classroom learning. The first technical session focused on entrepreneurship and computational implementation concepts. A special online practical session was conducted by Dr. Ashok Kumar, Controller of Examinations & HoD OpenLabs, Bluecrest University, Monrovia, Liberia, who shared practical applications in engineering and data analysis. The second session addressed Mathematical Modeling and its practical applications in research and industry by Dr. Syed Ali M., Associate Professor, Thiruvalluvar University, Vellore. The third session was addressed by Dr. Gunasekaran

Nallappan, IEEE Senior Member, Associate Proffssor, Beibu Gulf University, China and he covered advanced topics including machine learning, vehicle control systems, and global technological advancements. Experts from reputed institutions such as VIT Vellore and various Science Colleges contributed valuable insights. Presentations were based on Artificial Intelligence Applications and Computational Techniques. Several professors and research scholars chaired and moderated the sessions effectively. The conference successfully created a platform for academicians, researchers, and students to exchange innovative ideas. Participants actively engaged in discussions on modern computational methods. The event concluded with a valedictory session summarizing key learnings and encouraging future research collaborations. Overall, the conference proved to be an enriching academic event fostering knowledge in Computational Mathematics and Emerging Technologies.



ASSOCIATION ACTIVITIES

Department of Computer Science

08.07.2025

The Debugging activity was conducted on 8th of July in the Computer Lab 2 at 11.00a.m. This was structured as an interactive debugging session where participants were provided with multiple code snippets containing syntactic, logic and runtime errors. The goal was to debug and correct the python programs as much as possible within the given time.

14.08.2025

The computer science department organized an exciting and engaging association activity titled "Adzap" on 14th August in the Computer Lab 2 at 11.00a.m. which was aimed at enhancing students' creativity, communication skills and marketing instincts. Adzap is an advertisement competition where participants create and perform advertisement for imaginary or combined products. This activity helps Student develop spontaneity, teamwork, branding sense and speaking skills.

01.09.2025

The Computer Science Department organized an interactive Quiz on 01.09.2025 for II and III B.Sc. Computer Science students in the Language Lab at 12.30 pm. The event aimed to create awareness among students about the significance of integrating digital tools into the learning process.

17.10.2025

The Computer Science Department organized an exciting and engaging association activity titled "TechTalk", aimed at enhancing students' communication skills. This event was held on 17.10.2025 at Computer Lab 2 at 11.30 a.m.

05.12.2025

The Computer Science Department organized an exciting and engaging association activity titled "Flash Mob", aimed at the creativity and the spirit of togetherness and communication skills. This event was held on 05.12.2025 at the Computer Block.

12.02.2026

The Computer Science Department organized an Association Activity titled "Logo Designing" at the computer block lobby AT 11.45 p.m. The activity focused on to create a visually appealing and modern logo and to reflect the brand's mission and core values.

Prize winners of Association activities
Department of Computer Science

S.No.	Date	Competition	Prizes won	Participants
1	08.07.2025	Debugging – Bug Hunt Challenge	I	Blessy Shulamite James Netto (III B.Sc. Computer Science)
			II	Ezhilarasi M. (III B.Sc. Computer Science)
			III	Monika R. (III B.Sc. Computer Science)
2	14.08.2025	ADZAP – Sell the Unsellable.	I	Anusha N. (I B.Sc. Computer Science)
			II	Swathi S. (III B.Sc. Computer Science)
			III	Radhapriya P. (II B.Sc. Computer Science)
3	01.09.2025	QUIZ	I	Saliha Tazeen Syed Iqbal (I B.Sc. Computer Science)
			II	Monika S. (III B.Sc. Computer Science)
			III	Keerthana Karunya Mangai S. (II B.Sc. Computer Science)
4	17.10.2025	Tech Talk	I	Harshini Y. (I B.Sc. Computer Science)
			II	Swathi S. (III B.Sc. Computer Science)
			III	Nithisree R. (II B.Sc. Computer Science)
5	05.12.2025	Flash Mob	I	Monika R. (III B.Sc. Computer Science)
			II	Jaisudha V. (I B.Sc. Computer Science)
			III	Sandhiya R. (II B.Sc. Computer Science)
6	12.02.2026	Logo Designing	I	Fathima Hamna A. (I B.Sc. Computer Science)
			II	Sharmila K. (I B.Sc. Computer Science)
			III	Anjali C. (II B.Sc. Computer Science)

DEPARTMENT OF COMPUTER APPLICATIONS (SHIFT I)

24.07.2025

The Department of Computer Applications (Shift-I) organized a paper presentation on the topic "AI in Healthcare". The event encouraged students to explore the application of Artificial Intelligence in medical sector. Participants presented innovative ideas and research findings on how AI can revolutionize the medical field by improving the diagnosis, treatment, patient care and analyzing medical data. The activity aimed to enhance students' awareness of current trends, presentation skill and analytical understanding.

22.08.2025

As part of the Association Activity, the Department of Computer Applications (Shift I) organized a Poster Presentation on the topic "The Role of Computer Applications in Disaster Management". The event emphasized the significance of computer technologies in disaster preparedness, risk assessment, early warning systems, emergency response, and recovery processes. Students actively participated and displayed creative posters highlighting the applications of technology in various disaster situations.

25.11.2025

The Department of computer Application organized a debate competition on the topic "Will AI Replace Human Jobs in 10 Years?". The students actively participated and presented strong arguments both for and against the topic. The students displayed excellent preparation clarity of thoughts and strong presentation skills. The topic was relevant to the current situation in the current market, and it was thought- provoking, encouraging, students to express their ideas logically and confidently. The audience also showed keen interest and encouraged the speakers with applause. It was concluded that AI will not replace humans as such but will replace those who do not use AI.

Prize winners of Association activities
Department of Computer Application (Shift I)

S.No.	Date	Competition	Prizes won	Participants
1	24.07.2025	Paper Presentation	I	Aimen Aneese Tamil R Raja (II BCA 'B') Keerthana Vivekanandan Shyilu Venkatesan (III BCA'C') Indhu Murugan Tecim Daniel (II BCA 'B') Reena Manavalan Gopika Prabu (III BCA 'C')

			II III	Zeenath Nabeela Sheik Dhivya Dharshini V. (I BCA ‘B’) Dhivya Karthigeyan Samritha Saravanan (II BCA’C’)
2	22.08.2025	Poster Presentation	I II III	Nabila Sulthna Graffar Nandhini Senthilkumar (IIIBCA’B’) Aswini G Thivyasri Pasupathi (III BCA’C’) Priyadharshini (II BCA’B’) Keerthana Moorthy Kaviyashree Anbazhagan Vishnupriya Ramesh Maalin Taj Apsar (III BCA’C’) Hemavathi Premkumar (II BCA’B’) Gopika Prabhumohan DonaArokiyamary (III BCA’C’)
3	25.11.2025	Debate	I II III	Keerthana Vivekanandan (III BCA’C’) Pavithra Devi Ramamoorty (II BCA’C’) Shamna Basheer (IBCA’B’) Devadharshini Ravi (I BCA’B’) Sowmini Rajini (I BCA’B’) Indhupriya Murugan (II BCA’B’)

Department of BCA (Shift II)

To enhance the logical and reasoning capabilities of students, the Department conducts regular activities like Inter-collegiate meetings and Department Symposium every year.

BCA (Shift II)

24.07.2025

The Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized an AI-Generated Art Challenge on "Fantasy Worlds" on July 24, 2025, as a part of Association Activity. Using platforms like Bing Image Creator, Night Cafe, and Mage.Space, students submitted high-resolution artworks (min. 1024 × 1024 pixels) that showcased futuristic and mythical themes. The entries were evaluated by Dr. Lavanya Sivanandham, who provided valuable feedback and selected the winners.

14.08.2025

The Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized a Tech Talk on "Rise of Generative AI in Daily Life" at the Computer Block from 11:30 a.m. to 12:30 p.m. The session highlighted Generative AI applications in daily life, including chatbots, content creation, and productivity tools. 19 students were actively participated in the activity.

02.09.2025

An industrial visit to AAHA Solutions, Pondicherry was organized on 2nd September 2025 for 49 BCA along with 9 M.Sc. Computer Science students. Students gained practical insights into software development, project methodologies, and industry practices. The visit provided valuable exposure to real-time IT workflows and helped bridge the gap between academic learning and industry experience.

18.09.2025

The Department of Computer Applications (Shift II) organized an Association Activity – Debate on the topic "Can AI Replace Human Creativity?" on 18th September 2025 at 11.30 a.m. in

the Computer Block. The event provided a platform for students to enhance their communication and analytical thinking skills. The Debate was won by the team who spoke in favor of the topic.

25.11.2025

The Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized a Poster Presentation on "Evolution of Web Technology" on November 25, 2025, at 11:30 AM in the Computer Block as part of the association activities in the 2025-2026 even semester. Dr. S. Tharani, Assistant Professor, judged the competition.

02.12.2025

The Department of Computer Applications (Shift II), in collaboration with the Auxilium Innovation and Incubation Centre, organized a hands-on workshop on "AI Industry 4.0 Tools for Innovators and Entrepreneurs" on 2nd December 2025 from 10.00 a.m. to 12.30 p.m. Ms. Shanthi Subramani.,MCA, M.Phil., SET, Assistant Professor, explained key Industry 4.0 concepts such as IoT, automation, real-time data, and AI-driven decision-making, and demonstrated tools including Canva AI, ChatGPT, GitHub Copilot, and Power BI.

27.01.2026

The Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized a Creative Chart Showcase on "Global Citizenship" on January 27, 2026, at 11:30 AM in the Computer Block as part of the association activities. Ms. Susai Mary Susila, Assistant Professor, Department of Computer Science and Applications, judged the competition.

12.02.2026

The Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized an Association Activity titled "Debug Quest Challenge" on C and C++ at the Computer Block at 11:30 p.m. The activity focused on enhancing students' debugging skills, logical thinking, and programming proficiency through multiple-choice questions based on identifying syntax, logical, and runtime errors. Students actively participated and demonstrated strong analytical abilities and coding knowledge.

Prize winners of Association activities
Department of BCA (Shift II)

S.No.	Date	Competition	Prizes won	Participants
1	24.07.2025	AI-Generated Art Challenge on "Fantasy Worlds"	I II III	Maunika Palani (II BCA) Thaniya Sharma K (II BCA) Shahida Banu Nawshad (II BCA)
2	14.08.2025	Tech Talk on "Rise of Generative AI in Daily Life"	I II III	Prithikha Sundaramurthy (II BCA) Gopika Sivakumar (I BCA) Nimah Fathima Mohammed Imran (III BCA)
3	18.09.2025	Debate	Winners	Nimah Fathima Mohammed Imran (III BCA) Prithikha Sundaramurthy (II BCA) Francina Veronica Raju (I BCA) Chithra Kannan (I B.Sc. Data Science)
4	22.09.2025 & 23.09.2025	Logo Design Contest	I	Abinaya Ganesan (III BCA)
5	25.11.2025	Poster Presentation on "Evolution of Web Technology"	I II III	Maunika Palani (II BCA) Logapriya Thiruvenkadam (I BCA) Shahida Banu Nawshad (II BCA)
6	27.01.2026	Creative Chart Showcase on "Global Citizenship"	I II III	Maunika Palani (II BCA) Dhanasree Samanthan (III BCA) Sadhana Ramesh (I BCA) Logasri Sarathi (I BCA)

7	12.02.2026	"Debug Quest Challenge"	I II III	Poornima Palani. (III BCA) Lakshmi Priya Vijayan. (III BCA) Rubiya Begum Riyas Ahmed. (I BCA) Pooja Sri Jagadheesan (I DS)

M.Sc. Computer Science

24.07.2025

The PG Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, conducted an AI-Generated Art Challenge on *"Time Travel Diaries"* for postgraduate students on July 24, 2025. Students from M.Sc Computer Science used tools like Bing Image Creator, Night Cafe, and Mage.Space to submit high-resolution artworks (min. 1024 × 1024 pixels). Entries were judged by Dr. Shanthi Alagappan, who commended the creativity, execution, and storytelling in the submissions.

14.08.2025

The PG Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized a Tech Talk on *"Generative AI: Powering the Next Digital Revolution"*. Postgraduate students of M.Sc. Computer Science actively participated in the activity with great enthusiasm and interest.

29.08.2025

The PG Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, organized a Webinar on *"Artificial Intelligence and Generative AI: Transforming the Future of Innovation"*. The session explored AI evolution, generative models, and their applications in technology, business, and research. The speaker explained how AI has progressively transformed through automation, predictive analytics.

18.09.2025

The PG Department of Computer Science organized an Association Activity – Debate on the topic *"AI and the Future of Human Jobs: Threat or Opportunity?"* on 18th September 2025 at 12.00 noon in the Computer Block. The winners of the event were, who spoke against the topic. The debate helped students develop critical thinking and confidence in articulating their perspectives.

22.09.2025 & 23.09.2025

The PG Department of Computer Science, Auxilium College (Autonomous), Vellore, organized a *Logo Design Contest* to celebrate 25 Years of M.Sc. Computer Science. The event encouraged students to showcase their creativity by designing a logo based on the anniversary theme. Abinaya G. of III BCA won the First Prize for her innovative and original logo design, which was selected to be used in the department's official workshop brochure, banner, and digital promotions.

25.11.2025

The PG Department of Computer Science, Auxilium College (Autonomous), Vellore, organized an Association Activity featuring a Poster Presentation on "Artificial Neural Network" on November 25, 2025, at 11:30 AM in the Computer Block. Students showcased posters explaining the fundamentals, applications, and latest advancements in artificial neural networks. The competition was judged by Dr. S. Tharani, Assistant Professor, Department of Computer Applications (Shift II).

12.02.2026

The PG Department of Computer Science (Shift II), Auxilium College (Autonomous), Vellore, organized an Association Activity titled "Debug Quest Challenge" on Advanced Java and PHP at the Computer Block at 11:30 p.m. The activity focused on enhancing students' debugging skills, logical reasoning, and programming proficiency through MCQs and practical error-identification tasks. The competition enabled students to strengthen their understanding of Advanced Java and PHP concepts and improve their problem-solving abilities. Students of I M.Sc. Computer Science actively participated with enthusiasm.

Prize winners of Association activities

S.No.	Date	Competition	Prizes won	Participants
1	25.07.2024	AI-Generated Art Challenge on *"Time Travel Diaries"*	I II III	Harini Thanigaivel (I M.Sc. Computer Science) Saranya Settu (II M.Sc. Computer Science) Bharathi Sugumar (II M.Sc. Computer Science)
2	14.08.2025	Tech Talk on *"Generative AI: Powering The Next Digital Revolution"*.	I	Aarthi Elangovan (II M.Sc. Computer Science)
3	18.09.2025	Debate	Winners	Kaviya Thavamani (I M.Sc. Computer science) Harini Thanigaivel (I M.Sc. Computer Science) Aarthi Elangovan (II M.Sc. Computer Science)
4	25.11.2025	Poster Presentation	I	Harini Thanigaivel (I M.Sc. Computer Science)
5	12.02.2026	Debug Quest Challenge	I II III	Pavithra Murthy (I M.Sc. Computer Science) Nishanthi Mohan (I M.Sc. Computer Science) Harini Thanigaivel (I M.Sc. Computer Science)

CYBER CLUB ACTIVITIES

16.07.2025

Poster Presentation Competition

The Cyber Club organized a Poster Presentation Competition on the theme "Raising Awareness About Online Safety" to promote safe and responsible internet usage among students. The event focused on spreading awareness about protecting personal information, identifying cyber threats, and practicing digital responsibility. A total of 30 students from various departments actively participated and presented creative, informative, and visually appealing posters.

25.08.2025

Awareness Programme on Cyberbullying

The PG & Research Department of Commerce, in collaboration with the Cyber Security Club and the Cyber Crime Department, organized an Awareness Programme on Cyberbullying on 25th August 2025 at 11:30 A.M. in the College Auditorium. The programme aimed to create awareness among students about the growing threat of cyberbullying and the preventive measures to address it effectively. The session was led by distinguished officers from the Cyber Crime Police Station, Vellore District. Tr. M. Rajinikanth, Inspector of Police, and Tr. A. Sathishkumar, Sub-Inspector of Police. They provided valuable insights into the types of cyberbullying, real-life case studies, legal consequences, and the importance of reporting cyber offences. The speakers also emphasized responsible digital behaviour and encouraged students to become responsible digital citizens.

19.09.2025

Emerging Threats & Trends-Quiz Competition

On 19th September 2025 at 12:00 PM in the Computer Block, The Cyber Security Club organized a Quiz Competition on the topic "Emerging Threats & Trends". The event aimed to enhance students' awareness of the latest developments and challenges in cybersecurity. Participants actively engaged in the quiz, showcasing their knowledge of modern cyber threats, security practices, and current digital trends. The competition encouraged critical thinking, teamwork, and promoted the importance of staying protected in the digital age. The event successfully strengthened cyber literacy and awareness among students.

12.12.2025
Video Making Competition

On 12 December 2025 at 12.00 PM in the Computer Block, club successfully organized a Video Making Competition. The event was conducted under the theme "Click Smart, Stay Safe" to promote awareness about cyber safety, responsible digital behaviour, and protection against online threats. The students enthusiastically participated and presented creative short videos highlighting important cybersecurity issues such as phishing, online fraud, data privacy, and safe internet practices.

30.01.2026
Elocution Competition

The Cyber Security Club organized an Elocution Competition on 30 January 2026 at 12.00 P.M. in the Computer Block. The event was conducted under the theme "Cybersecurity Careers: Skills That Matters" to create awareness about emerging career opportunities in cybersecurity and the essential skills required to excel in the field. A total of 10 students participated and delivered insightful speeches emphasizing key skills such as technical expertise, analytical thinking, ethical responsibility, problem-solving ability, and continuous learning.

Prize winners of Cyber Club activities

S. No.	Date	Competition	Prizes Won	Participants
1.	16.07.2025	Poster Presentation	I	Saral Kanimozhi II B.Sc. Microbiology Daniel Magimaidoss II B.Sc. Microbiology Zeenath Nabeela – I BCA 'B'
			II	Shalini Kumar II B.Sc. Microbiology Monisha Settu III BCA 'A' Tasmiya Suman I. – III B.Sc. Psychology
			III	Mounika Palani II BCA 'A' Jayashree Chandra Sekaran I B.Sc. CS Madhumitha A. - III B.A. English Vinodhini U. – I B. Com 'C'
2.	19.09.2025	Emerging Threats & Trends-Quiz Competition	I	Sneha Raja III BCA Kaviya Shree J. – III B.C.A 'B'
			II	Sangavi Vasu III BCA 'A' Nandhini S. – III BCA 'B'

			III	Girija Thirupathi II B.Sc. CS Janani D. – III B.C.A. 'B'
4.	12.12.2025	Video Making Competition	I II III	Chivaranjani Nandhakumar I B.Sc. Microbiology Aieman A. – II BCA 'C' Sandhiya Rajendiren II B.Sc. Computer Science Zeenath Nabeela – I BCA 'B' Dhivya Sri Suresh – I B.Sc. Data Science Vishinupriya R. – III B.A. English TamilSelvi R.R. - III B.A. English
5.	30.01.2026	Elocution Competition	I II III	Abinaya Ganesan III BCA 'A' Taiba Harmain Imran I BCA 'A Pooja Sri Jagadheesan I B.Sc. Data Science

Dr. Kavitha S.

Ms. Gayatri S.

Ms. Gayathri P.

Staff Advisors

Value Added Course

The Department of Computer Science and BCA organized a Value-Added Program on *Machine Learning, Cyber Security, and Data Analytics using Data Visualization Tools* to enhance student's technical and practical knowledge beyond the regular curriculum. The session on Machine Learning introduced students to basic concepts such as supervised and unsupervised learning, model building, and real-time applications. The Cyber Security session focused on digital threats, ethical hacking, data protection, and the importance of information security. The Data Analytics session emphasized data processing and the use of data visualization tools to convert raw data into meaningful insights through charts and dashboards. The program provided hands-on exposure and industry-relevant knowledge, helping students understand current technological trends and career opportunities. The sessions were interactive and beneficial for all participating students.

The program was successfully conducted and achieved its objective of enhancing students' skills and employability in emerging IT domains.

Staff Achievement Details

Department of Computer Applications (Shift II)

Dr. Kavitha S.

- Dr. Kavitha S., Assistant Professor, Department of Computer Science and Applications, Auxilium College (Autonomous), received the "Best Women Faculty Cum Researcher Award" in Puducherry Arts and Research Academy (A unit of Benevolent Trust) in collaboration with RAAK Arts and Science College PARA Women Awards – 2025.
- Dr. Kavitha S., Assistant Professor, Department of Computer Science and Applications, Auxilium College (Autonomous), copyright has been registered for the work titled "Student Late Attendance Monitoring Using Barcode"

Dr. Lavanya Sivanandham

- **Dr. Lavanya Sivanantham**, Assistant Professor at Auxilium College (Autonomous), Vellore, is listed as an applicant (Applicant-3) in a patent complete specification filed under The Patents Act, 1970. The invention is titled "Continues Monitoring of Oxygen flow based on Context-aware Smart Home Caregiver System."

- **Dr. Lavanya Sivanandham**, Assistant Professor, Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, served as the Resource Person for the Workshop on "Power BI" held on 22nd July 2025 at M.M.E.S. Women's Arts and Science College, Melvisharam. The event was organized by the Departments of Computer Science, Computer Applications, and ISM, along with the Technical Club and IQAC. Dr. Lavanya delivered an expert session from 10:30 a.m. to 3:00 p.m., offering deepening insights and hands-on guidance, which was well-received by the participants.

- **Dr. Lavanya Sivanandham**, Assistant Professor, Department of Computer Applications (Shift II), served as Resource Person in a One-Day International Conference on *"Sustainable AI Solutions for a Digital Future"* at Sree Abiraami Arts and Science College for Women, Gudiyattam on 07.08.2025

- **Dr. Lavanya Sivanandham**, Assistant Professor, Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, served as the Resource Person for the

programme on “Empowering Mathematics with AI Tools” organized by the PG Mathematics Association of Auxilium College (Autonomous), Vellore, on 17.07.2025. She delivered an informative session on the use of AI tools in mathematics, explaining how technology can support problem-solving, data analysis, and research activities. The session was interactive and helped participants understand the practical applications of AI in the field of mathematics.

Ms. M. Anita Madona

- **Ms. M. Anita Madona**, Assistant Professor, Department of Computer Applications, Auxilium College (Autonomous), received the “RISING CONTRIBUTOR AWARD” presented by Dr. M. Jayaprakasan, IAS, Chief Executive Officer of the Naan Mudhalvan Scheme, Tamil Nadu Skill Development Corporation, in appreciation of the college’s dedicated coordination and guidance in enabling more than 200 students to successfully complete the MongoDB Skill-a-thon program on16.12.25 in the MongoDB submit 2025.
- **Ms. M. Anita Madona**, Assistant Professor at Auxilium College (Autonomous), Vellore, is listed as an applicant (Applicant-3) in a patent complete specification. The invention is titled "A Partial Array Token Petri Net P System for Structured Language Generation and Bio Inspired Parallel Computation."

Ms. Nisha Pauline R.

- **Ms. Nisha Pauline R.**, Assistant Professor at Auxilium College (Autonomous), Vellore, is listed as an applicant (Applicant-7) in a patent complete specification. The invention is titled "A Partial Array Token Petri Net P System for Structured Language Generation and Bio Inspired Parallel Computation."

Ms. Kokila A.

- **Ms. Kokila A.**, Assistant Professor at Auxilium College (Autonomous), Vellore, is listed as an applicant (Applicant-8) in a patent complete specification. The invention is titled "A Partial Array Token Petri Net P System for Structured Language Generation and Bio Inspired Parallel Computation."

Ms. Shanthi Subramani

- **Ms. Shanthi Subramani**, Assistant Professor, Department of Computer Applications (Shift II), published a book chapter titled *"Graph-Based Risk Analysis Using Graph Neural Networks for Mapping Cyber Threat Propagation in Large-Scale Networks"* in the book *Artificial Intelligence in Cybersecurity for Risk Assessment and Transparent Threat Detection Frameworks*, RADemics Research Institute, ISBN: 978-93-49552-02-9, 2025. (Co-authors: Sathea Sree S, M. Sindhu).

- **Ms. Shanthi Subramani**, M.C.A., M.Phil., SET., Assistant Professor, Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, served as the Resource Person for the workshop on "AI Workshop 4.0: Tools for Innovators and Entrepreneurs." The workshop was organized by the Department of Computer Applications (Shift II) in collaboration with the Auxilium Innovation and Incubation Centre from 01.12.2025 to 12.12.2025 at 10:30 a.m. in the Computer Block Seminar Hall. She conducted sessions on important AI 4.0 tools used for innovation and entrepreneurship. The workshop included hands-on training and helped participants learn how to use AI tools in real-life projects.

Staff Conference Presentation Details

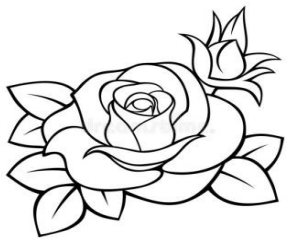
S.No	Date	Staff Name	Paper Title	Conference Details
1	07.08.2025	Dr. Shanthi Alagappan	Precision Agriculture: Predicting Paddy Leaf Infections Using UAV and Deep Learning Integration	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam
2	07.08.2025	Ms. Susai Mary Susila Anthony Samy	Advanced Intelligent Parking Management System Leveraging IoT	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)",

			Integration and AI-Driven Algorithm	Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam
3	07.08.2025	Dr. Tharani Shanmugam	Driver Fatigue Detection by Using Mediapipe's Framework	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam
4	07.08.2025	Ms. Gayatri Sivakumar	Cyberbullying Tweet Classification Using NLP & Machine Learning	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam
5	07.08.2025	Ms. Shanthi Subramani	Green AI: Energy-Efficient AI for a Sustainable Future	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts and Science College for Women, Gudiyattam
6	07.08.2025	Dr. Jaya Vani Kuppusamy	Quantum Leap: Emerging Technologies in IT	One-Day International Conference on "Sustainable AI Solutions for a Digital Future (SASDF-2025)", Department of Computer Applications, Sree Abiraami Arts

				and Science College for Women, Gudiyattam
7	29.01.2026 to 30.01.2026	Ms. Sangeetha V	Reimaging Cyber Defense with Large Language Models: Opportunities and Risks.	Two Days National Level Conference on Emerging Trends in Artificial Intelligence 2026, Department of Computer Science and Applications, Sri Akilandeswari Women's College, Wandiwash.

Faculty Development Program Details

S.No	Date	Staff Name	Title	Details
1	27.10.2025 to 2.11.2025	Ms. Nisha Pauline R.	Empowering Research Integrity & Innovation	Committee for Research Ethics, Publications & IPR, Auxilium College (Autonomous), Katpadi, Vellore.
2	27.01.2026 to 31.01.2026	Ms. Nisha Pauline R.	Emerging Technology Trends in Teaching & Learning.	Department of Data Science, Sacred Heart College, (Autonomous) Thirupattur.
3	27.10.2025 to 2.11.2025	Ms. Gayathri P.	Empowering Research Integrity & Innovation	Committee for Research Ethics, Publications & IPR, Auxilium College (Autonomous), Katpadi, Vellore.



LAURELS WON BY THE STUDENTS

ACTIVITIES OUTSIDE THE CAMPUS

PG DEPARTMENT OF COMPUTER SCIENCE

S. No.	Date	Conducted by	Event	Participants	Prize won	State/ University National / International
1	18/08/2025	M.M.E.S. Women's Arts and Science College	One-Day Workshop on "Build Your Own AI Mobile App"	Keerthana Kumar, Lakshmi Arumugam, Loga Priya Thamodharan, Lokeshwari Raj Kumar, Pooja Radhakrishnan (I M.Sc. CS)	-	State
2	20/08/2025	Sacred Heart College, Tirupattur	One-Day National Level Workshop on "Generative AI & Prompt Engineering for Next-Gen Innovators (Mind to Machine)"	Kavya Thavamani, Nishanthi Mohan (I M.Sc. CS); Aarthi Elangovan, Bharathi Sugumar, Haripriya Arumugam, Pushpalatha Venkatesan, Sandhiya Elangovan, Saranya Settu, Uma Mageshwari Krishnan (II M.Sc. CS)	-	National
3	09/01/2026	Government of Tamil Nadu / UmagineTN	UmagineTN 2026 – India's Premier Technology & Innovation Summit	17 Students of I M.Sc. Computer Science	-	National

STUDENT PARTICIPATION – JOURNAL PUBLICATION

PG DEPARTMENT OF COMPUTER SCIENCE

S. No.	Name of the Student	Programme	Title of the Journal Paper	Journal Name	Volume / Issue / Month & Year	Guide	Level
1	Aarthi E.	II M.Sc. Computer Science	Ticket Raising System	International Journal of Computer Techniques (IJCT)	Vol. 12, Issue 5, September 2025	Dr. Tharani S.	International
2	Bharathi S.	II M.Sc. Computer Science	Symptom Based Disease Prediction System	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Dr. Shanthi AL	International
3	Harinisri M.	II M.Sc. Computer Science	Smart Rental and Selling Portal for Houses and Hostels	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Ms. Susai Mary Susila A.	International
4	Haripriya A.	II M.Sc. Computer Science	NEXT-GEN HEALTHCARE CHATBOT	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Dr. Jayavani K.	International
5	Priyadarshini R.	II M.Sc. Computer Science	Breast Cancer Prediction Using Machine	International Research Journal of Modernizatio	Vol. 07, Issue 09, Septemb	Dr. Lavanya S.	International

			Learning	n in Engineering Technology and Science	er 2025		
6	Pushpalatha V.	II M.Sc. Computer Science	Social Media Forensics: Cyberbullying Tweet Classification Using NLP and Machine Learning	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Ms. Gayatri S.	International
7	Sandhiya E.	II M.Sc. Computer Science	Real Time Bus Tracking System	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Dr. Shanthi AL	International
8	Saranya S.	II M.Sc. Computer Science	Empirical Analysis for Crime Prediction Using Machine Learning and Deep Learning Techniques	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Ms. Shanthi S.	International
9	Uma Mageswari K.	II M.Sc. Computer Science	Defense Strategies for Epidemic Cyber Security Threats Modeling and Analysis Using ML	International Research Journal of Modernization in Engineering Technology and Science	Vol. 07, Issue 09, September 2025	Dr. Lavanya S.	International

SPORTS

In the Intramural events and other sports events were conducted during this academic year, students from the Department of Computer Science and Applications won the following prizes:

B.Sc. Computer Science

VOLLEY BALL (RUNNERS)

1. Abirami Srinivasan – I B.Sc. Computer Science
2. Gayathri Sankar - I B.Sc. Computer Science
3. Janani Mahendran - I B.Sc. Computer Science
4. Dhivya Vijayabaskar - I B.Sc. Computer Science
5. Rujitha Ramesh - I B.Sc. Computer Science
6. Vennila Sengalvarayan - I B.Sc. Computer Science
7. Harini Rajasekaran - I B.Sc. Computer Science
8. Gopika Natraj - II B.Sc. Computer Science
9. Porselvi Gopi - II B.Sc. Computer Science
10. Saliha Tazeen Syed Iqbal - III B.Sc. Computer Science
11. Ezhilarasi Muruganandam - III B.Sc. Computer Science

HANDBALL: (PARTICIPANTS)

1. Harini Rajasekaran - II B.Sc. Computer Science
2. Gopika Natraj - II B.Sc. Computer Science
3. Porselvi Gopi - II B.Sc. Computer Science
4. Nidhishree Rajendran - II B.Sc. Computer Science
5. Sandhiya Rajendran - II B.Sc. Computer Science

FOOTBALL: (PARTICIPANTS)

1. Harshini Yuvaraja - I B.Sc. Computer Science
2. Harini Rajasekaran - II B.Sc. Computer Science
3. Gopika Natraj - II B.Sc. Computer Science
4. Porselvi Gopi - II B.Sc. Computer Science

5. Mithra Sudhakar - II B.Sc. Computer Science
6. Lavanya Mohanavelu - II B.Sc. Computer Science

BASKETBALL: (PARTICIPANTS)

1. Anusha Nedumaran - I B.Sc. Computer Science
2. Nidhishree Rajendran - II B.Sc. Computer Science
3. Sandhiya Rajendran - II B.Sc. Computer Science
4. Dhivya V - I B.Sc. Computer Science
5. Harini Rajasekaran - I B.Sc. Computer Science
6. Gopika Natraj - II B.Sc. Computer Science
7. Porselvi Gopi - II B.Sc. Computer Science

SHUTTLE: (PARTICIPANTS)

1. Sherine Christina Maria Louis – II B.Sc. Computer Science
2. Fathima Hamna Abdul Rahman – I B.Sc. Computer Science

ATHLETES: (PARTICIPANTS)

1. Gayathri Sankar – 100 mtrs Running – I B.Sc. Computer Science
2. Janani Mahendran – 500, 1000 mtrs Running – I B.Sc. Computer Science
3. Harshini Yuvaraja – Relay – I B.Sc. Computer Science
4. Puviarasi Pughalenthi – Relay – I B.Sc. Computer Science
5. Auxline Charmi Issac – Relay – I B.Sc. Computer Science
6. Vidhya Srinivasan – Relay – I B.Sc. Computer Science
7. Dhanushree Ramesh – SHORT PUT – I B.Sc. Computer Science

CM TROPHY VOLLEY BALL TOURNAMENT

Vellore Institute of Technology (VIT), Vellore

(Organized by Government of Tamil Nadu)

Students won 3rd prize (team) Each person got Rs.1000/- on August 29th 2025

1. Abirami Srinivasan – I B.Sc. Computer Science
2. Gayathri Sankar – I B.Sc. Computer Science

BCA (Shift II)

BADMINTON

Sanjula Sivapragasam - II B.C.A.

Maunika Palani - II B.C.A.

SHUTTLE

Mythraie Thirunganam - III B.C.A.

VOLLEYBALL

Saranya Kamalanathan - III B.C.A.

Sanjula Sivapragasam - II B.C.A.

Hemalatha Suresh - II B.C.A.

HANDBALL

Sanjula Sivapragasam - II B.C.A.

BASKETBALL (RUNNER)

Sadhana Ramesh - I B.C.A.

Arul Janisha Arulkumar - I B.C.A.

Saranya Kamalanathan - III B.C.A.

Maunika Palani - II B.C.A.

Sanjula Sivapragasam - II B.C.A.

Hemalatha Suresh - II B.C.A.

ATHLETICS

HIGH JUMP

Shanmugapriya Rajendran - I B.C.A.

Kaviya Ravichandran - III B.C.A.

DISCUS THROW

Sadhana Ramesh - I B.C.A.

Saranya Kamalanathan - III B.C.A. (II PLACE)

SHOTPUT

Saranya Kamalanathan-III B.C.A. (III PLACE)

Indhumathi Mahalingam - III B.C.A.

JAVELIN THROW

Kaviya Ravichandran - III B.C.A. (II PLACE)

Dhanalakshmi Vaithiyalingam - III B.C.A.

LONG JUMP

Shanmugapriya Rajendran - I B.C.A.

Priyadharshini Vinayagam - I B.C.A.

HANDBALL

Dhanalakshmi Vaithiyalingam - III B.C.A.

Saranya Kamalanathan - III B.C.A.

Mythreie Thirunganam - III B.C.A.

Hemalatha Suresh - II B.C.A.

FOOTBALL

Shanmugapriya Rajendran - I B.C.A.

Priyasree Baskaran - I B.C.A.

Saranya Kamalanathan - III B.C.A.

SPORTS DAY (BCA)

MARCH PAST

Francina Veronica Raju - I B.C.A.

Vanishree Madhan - I B.C.A.

Shanmugapriya Rajendran - I B.C.A.

Manisha Cathrin Peeter Anthony Samy - I B.C.A.

Dharshini Saravanan - II B.C.A.

Hemalatha Arumugam - II B.C.A.

Janani Umapathy - II B.C.A.

Monisha Senthilkumar - II B.C.A.

Yuvarani Ilango - II B.C.A.

Monika Venugopal - II B.C.A.

Priyadharshini Sivakumar - III B.C.A.

Jeeva Sree Ramesh - III B.C.A.

Ranjani Baskar - III B.C.A.

Sushmitha Sugumar - III B.C.A.

DRILL

Priyadharshini Vinayagam - I B.C.A.

Mahalakshmi Jaishankar - I B.C.A.

Gayathri Sivakumar - I B.C.A.

Jayashree Loganathan - I B.C.A.

Lidiya Leyona Sebastin - I B.C.A.

Meenatchi Gopal - I B.C.A.

Divya Venkatesan - II B.C.A.

Baby Saravanan - II B.C.A.

Sadhanapriya Ranganatha - II B.C.A.

Deeptha Emmani Kaspar - II B.C.A.

Nadhiya Sankar - II B.C.A.

Anushiya Jayakumar - III B.C.A.

Kausalya Dhanapal - III B.C.A.

VOLLEYBALL

Anandhi Boopalan - I B.C.A.

Sharulatha Sathishkumar - I B.C.A.

RELAY

Shanmugapriya Rajendran - I B.C.A.

I B.Sc. DATA SCIENCE (SHIFT II)

INTRAMURALS

BASKETBALL (RUNNER-UP)

Agnes Racheal Emmanuel Arokiya Selvan - I B.Sc. Data Science

Deepika Sudhakar - I B.Sc. Data Science

FOOTBALL

Raksshitha Suresh Nirmal Kumar - I B.Sc. Data Science

Nadhiya Sankar - I B.Sc. Data Science

Bhuvani Balaji - I B.Sc. Data Science

Ramya Govindraj - I B.Sc. Data Science

Narmadha Sankar - I B.Sc. Data Science

SPORTS DAY (B.Sc. Data Science**)**

MARCH PAST

Harshini Sasikumar - I B.Sc. Data Science

Dharshni Venkatesan - I B.Sc. Data Science

Chithra Kannan - I B.Sc. Data Science

Nadhiya Velu - I B.Sc. Data Science

DRILL

Umma Kulsum Sharafath Ali Khan - I B.Sc. Data Science

Rakshitha Suresh Nirmal Kumar - I B.Sc. Data Science

Narmadha Sankar - I B.Sc. Data Science

Meharaj Riyas - I B.Sc. Data Science

Priyadharshini Subramani - I B.Sc. Data Science

CM TROPHY BASKETBALL TOURNAMENT

Vellore Institute of Technology (VIT), Vellore
(Organized by Government of Tamil Nadu)

Hemalatha Suresh, II B.C.A. – *Runner-Up*

INTER COLLEGE TOURNAMENT- BASKETBALL

Arignar Anna Govt. Arts & Science college for Women, Walajapet

(Organized by Government of Tamil Nadu)

Hemalatha Suresh, II B.C.A.- *Winner*

INTER DIVISION TOURNAMENT- BASKETBALL

Jain College, Vaniyambadi

Hemalatha Suresh, II B.C.A. – *Runner-Up*

TOURNAMENT-THROWBALL

Govt. Boys Higher Sec. School, Oosur

Hemalatha Suresh, II B.C.A. – *Runner-Up*

INTER COLLEGE TOURNAMENT- HAND BALL

Rajagopal Polytechnic College, Gudiyatham

Hemalatha Suresh, II B.C.A.- *Winner*

CM TROPHY- KABADI

Vellore Institute of Technology (VIT), Vellore
(Organized by Government of Tamil Nadu)

Anandhi Boopalan, I B.C.A.

INTER COLLEGE EVENT-KABADI

Sree Abirami Arts and Science College for Women, Gudiyatham

Anandhi Boopalan, I B.C.A.

BLOCK LEVEL EVENT-KABADI

Govt. Boys Hr.Sec School,Katpadi

Anandhi Boopalan, I B.C.A. – *Runner-Up*

CM TROPHY- FOOTBALL

Vellore Institute of Technology (VIT), Vellore
(Organized by Government of Tamil Nadu)

Bhavani Balaji, I Data science-(II PLACE)

B.C.A. 'B' (SHIFT I)

INTRAMURALS

ATHLETICS

1500 Meters

Rubini Natarajan. III B.C.A. 'B' - Participation

200 Meters

Rubini Natarajan III B.C.A. 'B' - Participation

Vinothini Ramesh I B.C.A. 'B' - Participation

800 Meters Participation

Aishwarya Thiruvengadam II B.C.A 'B' - Participation

400 Meters

Aisha Sadiqnizamuddin II B.C.A. 'B' - Participation

Hemavathi Karthikayan I B.C.A. 'B' - Participation

100 Meters

Rubini Natarajan III B.C.A. ’B’ - Participation

Vinothini Ramesh I B.C.A. ‘B’ - Participation

4X100 Relay Participation

Rubini Natarajan III B.C.A. ’B’ - Participation

Shanthi Devi Durai Raj III B.C.A. ‘B’ - Participation

Ragavi Pandian III B.C.A. ‘B’ - Participation

Vinothini Ramesh I B.C.A. ‘B’ - Participation

FOOTBALL (1st Price) Winners

Abinaya Nandha Kumar III BCA ‘B’

Rubini Natarajan III BCA ‘B’

Ragavi Pandian III BCA ‘B’

Indumathi Ragupathi III BCA ‘B’

Arisha Jaikumar III BCA’B’

Abirami II BCA ‘B’

Aisha Sadiqnizamuddin II BCA ‘B’

Rachel Magesh Paul Bosco II BCA ‘B’

Vinothini Ramesh I BCA ‘B’

SHUTTLE

Pooja Sampath III B.C.A. ‘B’ - Participation

MadhuMitha Venkatesan III B.C.A. ‘B’ - Participation

HANDBALL

Shanthi Devi Durai Raj III B.C.A. ‘B’ - Participation

Abinaya Nandha Kumar III B.C.A. ‘B’ - Participation

Rubini Natarajan III B.C.A. ’B’ - Participation

Kayatri Ramesh III B.C.A. ’B’ - Participation

Ragavi Pandian III B.C.A. ‘B’ - Participation

Arisha Jaikumar III BCA’B’ - Participation

Indumathi Ragupathi III B.C.A. ‘B’ - Participation

Rachel Magesh Paul Bosco II B.C.A. ‘B’ - Participation

VOLLEYBALL

Arisha Jaikumar III BCA’B’ - Participation

Kayatri Ramesh III B.C.A.’B’ - Participation

Vidhya Jaipal II B.C.A. ‘B’ - Participation

Rachel Magesh Paul Bosco II BCA ‘B’ - Participation

Velanciya Lourgusamy II BCA ‘B’ - Participation

Sahana Ram Murthy II B.C.A, ‘B’ - Participation

BASKETBALL

Abinaya Nandha Kumar III B.C.A. ‘B’ - Participation

Vidhya Jayapal II BCA ‘B’ - Participation

Indumathi Ragupathi III B.C.A. ‘B’ - Participation

Sahana Ram Murthy II BCA ‘B’ - Participation

Rachel Magesh Paul Bosco II BCA ‘B’ - Participation

Velanciya Lourdusamy II BCA ‘B’ - Participation

SHORTPUT

Rimsha Farin III BCA ‘B’ - Participation

Kayatri Ramesh III BCA ‘B’ - Participation

JAVELINE THROW

Pooja Sampath III BCA ‘B’ - Participation

DISCUSS THROW

Kayatri Ramesh III BCA ‘B’ - Participation

Rimsha Farin M III BCA ‘B’ - Participation

HIGH JUMP

Rubini Natarajan III B.C.A. ’B’ - Participation

Kayatri Ramesh III BCA ‘B’ - Participation

LONG JUMP

Gomathi Balan III B.C.A. ‘B’ - Participation

INTERCOLLEGIATE MATCH

Kabbadi

Arisha Jaikumar III B.C.A ‘B’

Volley Ball (3rd Prize)

Rachel Magesh Paul Bosco II B.C.A. ‘B’

Football (3rd Prize)

Abinaya Nandha Kumar III B.C.A. ‘B’

INTERCOLLEGIATE DIVISION

Football

Abinaya Nandha Kumar III B.C.A. ‘B’

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Football II Prize

Abinaya Nandha Kumar III B.C.A. ‘B’

State Match

Abinaya Nandha Kumar III B.C.A. ‘B’

Volleyball -III Prize

Rachel Magesh Paul Bosco II B.C.A. ‘B’

SDAT TAMILNADU GOVERNMENT MATCH

Volleyball -II Prize

Rachel Magesh Paul Bosco II B.C.A. ‘B’

BCA ‘C’ (Shift I)

Intramural events

ATHLETICS

200 Meters

Deepika Karthik II B.C.A. ‘C’ - Participation

Sania Moulakhan II B.C.A.'C'

800 Meters Participation

Karpagalakshmi Ponnusamy II B.C.A. ‘C’ - Participation

1500 Meters

Deepika Karthik II B.C.A ‘C’

Kopika Soosairaj II B.C.A. ‘C’ - Participation

4X400 Relay III Place

Deepika Karthik II B.C.A ‘C’

Jothika Sakthivinayagam III B.C.A. ‘C’

Sania Moulakhan II B.C.A. 'C'

Karpagalakshmi Ponnuswamy II B.C.A. ‘C’

400 Meters

Jothika Sakthivinayagam III B.C.A. ‘C. - Participation

Sania Moulakhan II B.C.A. 'C'

100 Meters

Deepika Karthik. II B.C.A ‘C’ - Participation

Sharmila Murali I B.C.A 'C'

4X100 Relay

Sania Moulakhan II B.C.A.'C'

Nirmala Indhumathi II B.C.A.'C'

Karpagalakshmi Ponnuswamy II B.C.A. ‘C’

Sharmila Murali I B.C.A 'C'

BADMINTON

Sania Moulakhan II BCA ’C’

Kavitha Murali III BCA ’C’ - Participation

HANDBALL-Runner

Sania Moulakhan II BCA ’C’

Eniya Sankar III BCA ‘C’

Nirmala Indhumathi II BCA ‘C’

Sharmila Murali I BCA 'C'

Asha Ramesh III BCA ‘C’

Deepika Karthik II BCA ‘C’

Boomika Venugopal II BCA 'C’

VOLLEYBALL-I PRIZE

Nirmala Indhumathi II BCA ‘C’

Sania Moulakhan II BCA 'C'

Abinaya Ganesh III BCA 'C'

Dona Arokia samy III BCA 'C'

Sharmila Murali II BCA 'C'

Samritha Saravanan II BCA 'C'

BASKETBALL

Nirmala Indhumathi II BCA ‘C’

Sania Moula Khan II BCA ‘C’

Sharmila Murali I BCA 'C'

Deepika Karthik II BCA 'C'

Eniya Sankar III BCA 'C'

SHORTPUT

Dharshini Senthilkumar III BCA ‘C’

Amirtha Maiyappan III BCA ‘C’

JAVELINE THROW

Jothika Sakthivinayagam III BCA 'C'

Deepika Karthik II BCA 'C'

DISCUSS THROW

Harini Selvam III BCA ‘C’

Priyadarshini Amaladas III BCA 'C'

HIGH JUMP

Sania Moulakhan I BCA ‘C’ - I Prize

LONG JUMP

Asha Ramesh III BCA 'C' - III Prize

FOOTBALL - Runner

Sania Moulakhan II BCA 'C'

Nirmala Indhumathi II BCA ‘C’

Deepika Karthick II BCA ‘C’

Sharmila Murali I BCA 'C'

Soniya Venkatesan II BCA 'C'

Harini Selvam III BCA 'C'

Boomika Venugopal I BCA 'C'

Inter collegiate

KABADI

Soniya Venkatesan II BCA 'C' - Participation

Volley Ball - Runner

Nirmala Indhumathi II BCA 'C'

HANDBALL - Winner

Sharmila Murali I BCA 'C'

Sania Moulakhan II BCA 'C'

Nirmala Indhumathi II BCA 'C'

Long Jump - III Prize

Sharmila Murali I BCA 'C'

FOOTBALL - Participation

Deepika Karthik II BCA 'C'

BASKET BALL (Winner)

Nirmala Indhumathi II BCA 'C'

Sania Moulakhan II BCA 'C'

ATHLETIC - Participation

Sania Moulakhan II BCA 'C'

Nirmala Indhumathi II BCA 'C'

Deepika Karthik II BCA 'C'

Inter Divisional

Basketball - Runner

Sania Moulakhan II BCA 'C'

Nirmala Indhumathi II BCA 'C'

Volleyball - Participation

Nirmala Indhumathi I B.C.A. ‘C’

Football - Participation

Deepika Karthic I B.C.A. ‘C’

University Basketball - Participation

Sania Moulakhan II BCA 'C'

Football - Participation

Deepika Karthik II BCA 'C'

TN Government Throwball - Participation

Sania Moulakhan II BCA 'C'

Volleyball- participation

Deepika Karthik II BCA 'C'

Kalam Namathu Kabbadi - Runner

Asha Remesh III BCA 'C'

Tug of war - Winner

Asha Remesh III BCA 'C'

CM TROPHY -2025, SPORTS DEVELOPMENT AUTHORITY OF TAMIL NADU

Volleyball III Prize

Nirmala Indhumathi I B.C.A. ‘C’

Football II Prize

Deepika Karthic I B.C.A. ‘C’

Kabaddi Participation

Aarisha Jaikumar II B.C.A. ‘B’

Aasha Ramesh II B.C.A. ‘C’

Soniya Venkatesan I B.C.A. ‘C’

BasketBall II Prize

Sania Moulakhan Il B.C.A. ‘C’

HANDBALL III Prize

Sharmila Murali I BCA 'C'

KABADDI

Soniya Venkatesan II BCA 'C' - III Prize

ATHLETIC

Karpagalakshmi Ponnusamy II BCA 'C' - Participation

EXTRA-CURRICULAR ACTIVITIES

B.Sc. Computer Science

On 11th August 2025, the Anti-Drug Club of Auxilium College conducted a Tamil essay writing competition on the topic "போதை பழக்கதால் ஏற்படும் தீமைகள்" (Harmful Effects of Drug Addiction) as part of its awareness initiatives. Held at 2:00 p.m. in the Computer Block, the event saw active participation from students across departments, who expressed their views on the physical, psychological, and social consequences of substance abuse. Among the winners, Sharmila K. of I B.Sc Computer Science secured the third prize for her thoughtful and impactful essay, earning appreciation from faculty and peers alike.

On 9th September 2025, as part of the Muthamizh Vizha celebrations, a drawing competition was held in the Computer Block Seminar Hall at Auxilium College on the theme "விண்வெளியில் புதிய வாழ்க்கை" (New Life in Space). Students from various departments participated, creatively interpreting futuristic life beyond Earth through their artwork. Ms. Pricilla Jabaraj of III B.Sc. Computer Science won the First Prize for her imaginative and detailed drawing, earning appreciation for her artistic vision and thoughtful portrayal of the theme.

On 16th September 2025, the Department of Biochemistry organized an essay writing competition under the Enviro Club in the Computer Block Seminar Hall from 10:00 a.m. to 11:30 a.m. Students from various departments participated actively, including those from the Department of Computer Science. Among them, Nivetha Mohan and Monikaa Gunasekar of II B.Sc. Computer Science secured the First and Second Prizes respectively, showcasing their strong writing skills and thoughtful expression.

On 16th September 2025, as part of the Muthamizh Vizha celebrations, the மா. வேதநாயகர் தமிழ் மன்றம் of the Department of Tamil organized a drama competition on the theme "விழிப்புணர்வு நாடகம்" (Awareness Drama) in the college auditorium. The team from III B.Sc. Computer Science—Sherine Christina Maria Louis Jeyasuraj, Monika Ramamoorthy, Ezhiklarasi Muruganandam, Srijha Karunanidhi, Swathi Saravanan, Marisha Rani Sabastian, Gayathri Venkatachalam, and Monica Saravanan—secured the Third Prize for their impactful performance, with Monica Saravanan also winning the Best Actress Award for her outstanding role.

On 2nd December 2025, the Department of English at Auxilium College hosted an English Dramatics event in the college auditorium to enhance students' communication, creativity, and confidence. Centered on the theme Arabian Nights, the selected play was The Fisherman and the Genie, brought to life through expressive performances and strong teamwork. The Department of Computer Science secured the Third Prize, with a team comprising Saliha Tazeen Syed Iqbal, Sherine Christina Maria Louis Jeyasuraj, Srijha Karunanithi, Ezhilarasi Muruganandam, Monika Ramamoorthy, Lavanya S, and Keerthika Sekar—all from III B.Sc. Computer Science—whose engaging portrayal earned appreciation from the audience and judges alike.

B.C.A (Shift II)

In honor of International Yoga Day, II B.C.A students of the Department of Computer Applications (Shift II), Auxilium College (Autonomous), Vellore, actively participated in the celebration conducted on June 21, 2025. The campus-wide event aimed to promote physical fitness, mental wellness, and stress management—crucial for computer science students facing demanding coursework and coding marathons. Under faculty guidance, students performed yoga asanas like Surya Namaskar and Pranayama, followed by a mindfulness session. All participants received certificates of participation, reinforcing the department's commitment to holistic development beyond technical skills.

As part of the Student Orientation Programme in late June 2025, I B.C.A freshmen transformed the college auditorium into a vibrant stage for the Talent Expo, showcasing their diverse talents through energetic dance routines, heartfelt speeches on career aspirations, soulful singing performances, and synchronized group acts. The event, judged by esteemed faculty including Ms. Shanthi Subramani and Ms. Gayatri Sivakumar, celebrated creativity and confidence-building among newcomers. Several standout performers, such as those in the winning dance troupe, received appreciation certificates, fostering early bonds and a sense of belonging in the department.

B.C.A students from all years demonstrated exceptional creativity in June 2025 by participating in inter-departmental Poster Designing, Reel Making, and Slogan Writing Competitions organized by sister departments on themes like digital ethics, campus sustainability, and innovation. Entries were meticulously judged on originality, visual appeal, and message impact, with submissions shared across college social media for wider reach. Winners earned certificates and small prizes, highlighting the department's prowess in blending artistic expression with tech-savvy communication skills.

In July 2025, the Cyber Club of Auxilium College hosted a Poster Presentation Competition exclusively for B.C.A students, centered on cyber safety themes such as phishing prevention, password security, and online privacy. Participants crafted visually striking posters using tools like Canva and Adobe Spark, drawing from real-world case studies. A few students, including top presenters, secured first, second, and third prizes, with Ms. Shanthi Subramani coordinating and commending their efforts for elevating departmental awareness on digital threats.

B.C.A students proudly represented Auxilium College in District-Level Oratorical Competitions held in July 2025 across Vellore district venues, delivering impassioned speeches on topics like "Technology's Role in Nation-Building" and "Ethical AI Challenges." Coached by department faculty, participants honed public speaking, research, and articulation skills over preparatory workshops. All received participation certificates from district authorities, returning with heightened confidence and intercollegiate exposure.

August 2025 buzzed with activity as B.C.A students dove into Drawing, Essay Writing, and Awareness Competitions organized by the Anti-Drug Club, Youth Red Cross (YRC), Enviro Club, and ASQC. Themes ranged from "Say No to Drugs" to "Green Campus Initiatives," with entries judged on depth, creativity, and advocacy impact by club faculty panels. Several students clinched

prizes and commendation certificates, their works displayed prominently on college notice boards to inspire peers.

During the vibrant Muthamizh Vizha in September 2025, B.C.A students competed fiercely across essay writing, kavithai (poetry), elocution, drama skits, drawing, group singing, and folk dance events held over two days in the college auditorium. The cultural extravaganza celebrated Tamil heritage, with prize winners in poetry, essay writing, and drawing—such as standout kavithai reciter [Student Name]—bringing home trophies and certificates, much to the department's pride.

The departmental Cyber Security Quiz Competition in September 2025 challenged B.C.A students' technical mettle through 50 rapid-fire questions on encryption, malware, ethical hacking, and compliance standards, conducted via Google Forms in the Computer Block. Teams battled in elimination rounds, with winners awarded certificates by faculty judges like Dr. Tharani S. Top scorers were spotlighted for their real-world applicable knowledge, boosting resumes for internships.

October 2025 saw B.C.A students champion eco-conscious causes through Tamil Essay Writing and Drawing Competitions, alongside Crackers-Free Diwali Awareness Campaigns organized campus-wide. Participants designed persuasive posters and slogans like "Light Up with Lights, Not Crackers," judged for design ingenuity and environmental messaging. Best entries won prizes, prominently featured during Diwali festivities to promote sustainable celebrations.

In December 2025, B.C.A students captivated audiences with English Dramatics performances inspired by "Arabian Nights," enacting tales of Scheherazade with elaborate costumes and props, alongside Video Making Competitions using smartphones and editing software. Select teams swept best performance and best presentation awards from drama club judges, praised for narrative innovation and production quality that rivaled professional shorts.

January 2026's Pongal Celebrations brought B.C.A students together in a riot of colors, with cultural performances featuring Kolattam sticks dance, folk songs, and traditional cooking demos in the college courtyard. Prizes for best traditional attire—like silk sarees and dhotis—and most authentic acts underscored cultural pride, blending seamlessly with their tech curriculum.

As an extension activity in January 2026, B.C.A students visited Priyadharshini Special School in Vellore, conducting interactive sessions on basic computing and games for children with special needs. Accompanied by faculty Dr. Shanthi AL, Dr. Tharani S., and Ms. Shanthi S., participants earned appreciation certificates, gaining profound insights into inclusivity and social responsibility.

Teams of B.C.A students presented cutting-edge projects at Young Innovators Day in January 2026, showcasing prototypes like AI chatbots and data analytics dashboards judged by industry experts. Selected teams won best project awards, complete with citations and networking opportunities, propelling their innovation portfolios forward.

M.Sc. Computer Science

The September 2025 Industrial Visit to AAHA Solutions in Pondicherry offered M.Sc. students a deep dive into agile software development, client projects, and DevOps pipelines via guided tours and Q&A with engineers. This eye-opening trip, faculty-escorted, built vital industry connections and practical acumen.

In January 2026, I M.Sc. students stepped onto the national stage at UmagineTN 2026—India's Premier Technology & Innovation Summit in Chennai—networking with startups, pitching ideas, and earning prestigious participation certificates that enhanced their professional profiles.

B.Sc. Data Science

I B.Sc. Data Science students stole the show at June 2025's Talent Expo with prize-winning dances, monologues, and tech-themed skits, while also dominating Poster Making, Slogan Writing, and Reel Creation contests for innovative data visualization themes. Faculty judges awarded top honors, igniting creative sparks.

The July 2025 Educational Visit to Dr. Kalaignar Karunanidhi District Science Centre in Vellore featured interactive exhibits on physics and tech, with students earning appreciation certificates for enthusiastic participation and insightful questions during guided tours.

August and September 2025 overflowed with victories in Cyber Club quizzes, Enviro Club essays, YRC drawing contests, and ASQC awareness events, where B.Sc. students' data-driven submissions on cyber hygiene and climate modeling won prizes and certificates galore.

October 2025's Crackers-Free Diwali Awareness Campaigns highlighted student-crafted posters and slogans on air quality data, with best entries judged superior for statistical backing and design, winning prizes amid festive rallies.

November 2025's Poster Presentation on "Evolution of Web Technology" saw B.Sc. students trace HTML to Web3 with infographics and timelines, top presentations nabbing prizes and certificates for analytical rigor.

From December 2025 through January 2026, students excelled in English Dramatics skits, Value Education seminars, Pongal folk performances, and Tamil literary contests—elocution, poetry, prose—securing prizes that celebrated their well-rounded excellence in culture and citizenship.

ACADEMIC RESULTS

The Results achieved by Postgraduate and Undergraduate Students from Computer Science and Applications Departments are:

B.Sc. Computer Science	- 100 %
B.C.A. (Shift I)	- 95.6 %
B.C.A. (Shift II)	- 96 %
M.Sc. Computer Science	- 100 %

DEPARTMENT TOPPERS

Aashitha M.
B.Sc. Computer Science

R. Sandhiya
B.C.A (Shift I)

Binusha Sivakumar
M.Sc. Computer Science

Shalini Senthil Kumar
B.C.A (Shift II)

PLACEMENT DETAILS

Students from the Department of Computer Science and Applications were selected in the Campus Interview conducted by various National and Multinational companies. The list of students placed is as below:

B.Sc. Computer Science

Iswarya M – Programmer
Springbord, Vellore

Jancy P - TEPL Production
TATA Electronics Pvt. Ltd., Hosur

Priyadharshini N - IT Staff
Takshila Global School, Vellore

Selvakumari A – Teacher
Sri Dharani International SR Sec School

Sherin Iswarya A - TEPL Production
TATA Electronics Pvt. Ltd., Hosur

Varshini S - Junior Assistant
Indian Postal Department, Vellore

B.C.A. (Shift I)

Revathi R – Junior Associate
Knowledge Splice Service Private Ltd.

Soniya T – Junior Analyst
Flextronics

Mahalakshmi C – Analyst in Software Support
Ruralshores Business Service Private Ltd.

Deekshana D – Junior Assistant
Iswarya Health Private Ltd.

M.Sc. Computer Science

Binusha S. - Assistant Professor

Sree Abirami Arts and Science College

Induja V. – Trainee Process Associate

Allzone Management solution

Kavi Priya P. – Trainee Process Associate

HCL Tech

B.C.A. (SHIFT II)

AFRIN S. - Sales Executive
Nafter Web Technologies, Vellore

DHARSHINI T.R - Process Associate
Kriya Next Wealth Private Limited, Vellore.

GOPIKA.K – Teacher
Mayflower School, Vellore

ROSHINI S - Incident Management Coordinator
WIPRO Limited, Bangalore

SARANYA G - Data Entry
Sai Magaram PEB India Private limited, Gudiyattam.

SREE SAKTHI DEVI L – HR
Patton Technology Labs, Salem

SWETHA S - Promotion Team
Sunbeam CBSE School, Vellore

TAMIZISSAI SELVI R – Developer
Cognizant Technologies, Chennai

INDUSTRIAL VISIT

Place: ASKAN Technologies, Puducherry

Date : 28-11-2025

Class : III B.Sc. Computer Science

The Department of Computer Science organized an industrial visit to Askan Technologies, Pondicherry, on 28th November 2025, with the objective of providing students with practical exposure to real-world industrial processes, workplace culture, and technological applications. A total of 48 students, accompanied by two faculty members—Ms. Nisha Pauline and Ms. Gayathri embarked on this educational journey.

Place: ASKAN Technologies, Puducherry

Date : 11-09-2025

Class : III BCA (B)

No. Of students :47

Staff in-charge: Ms. Sivaranjani N, Ms. Kokila A

Students from BCA (B-Section) went to industrial visit to Askan Technologies, Puducherry on 11th September 2025. The visit, based on standard Information helped students to gain exposure to the professional work Environment and Corporate centre of an IT firm. Students interacted and asked questions with industry experts to understand career opportunities/ expectations for fresh graduates.

This visit helped in bridging the gap between theoretical knowledge and Industrial reality.

Place: CODA SOLUTIONS PVT LTD.

Date: 17.09.2025

Class : III BCA (C)

No. of students: 43

Staff- in-charge; Ms. Anita Madonna M.,

Dr Gina George

Students from BCA 'C' have visited Coda Solutions Pvt Ltd. in Perangalathur. The company explained the entire process of the company with their clients. They shared the different industry domains in which clients exist. Students interacted and explained their queries. The company motivated the students to work smart and to have good communication.

Place: AAHA Technologies, Puducherry

Date : 02.09.2025

Class : III B.C.A. & II M.Sc. Computer Science

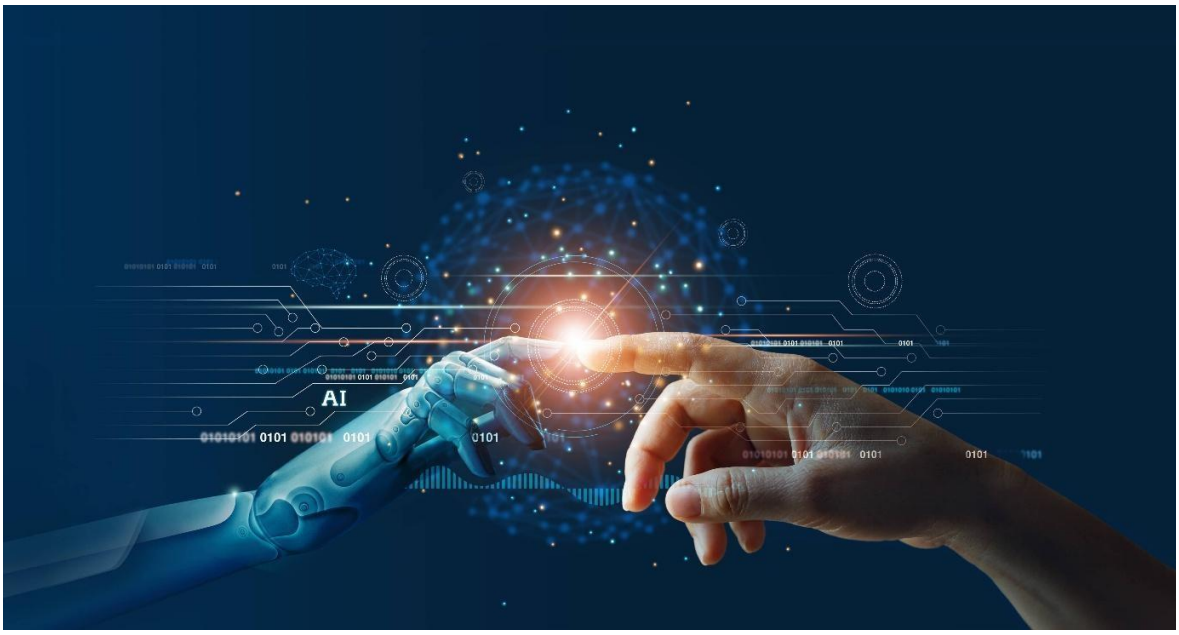
The September 2025 Industrial Visit to AAHA Technologies in Pondicherry offered M.Sc. and III B.C.A. students a deep dive into agile software development, client projects, and DevOps pipelines via guided tours and Q&A with engineers. This eye-opening trip, faculty-escorted, built vital industry connections and practical acumen. A total of 59 students, accompanied by two faculty members—Ms. Gayatri S and Dr. Tharani S.

Inside the World of Artificial Intelligence

Pricilla J.
III B.SC. Computer Science

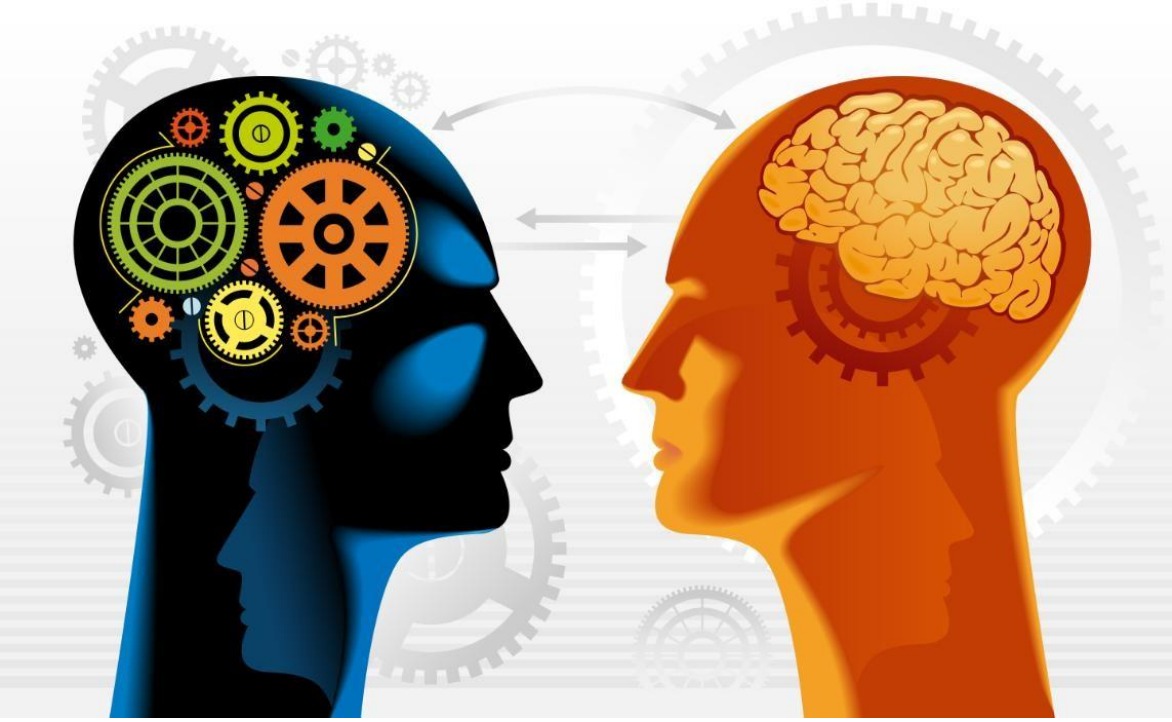
DO AI REPLACE HUMANS

The rapid advancement of Artificial Intelligence (AI) has transformed the modern world in ways that once existed only in imagination. From smart assistants and self- driving cars to advanced medical technologies, AI has become an integral part of daily life. These remarkable developments have sparked as serious debate: *will Artificial Intelligence eventually replace the humans?*



Undeniably, AI has demonstrated remarkable proficiency in executing repetitive, data-intensive, and precision-oriented tasks. Automated systems now outperform humans in areas such as large- scale data analysis, quality control in manufacturing, and algorithmic trading. This technological displacement has led to heightened efficiency, reduced operational costs, and enhanced productivity. Consequently, certain categories of employment have been rendered obsolete, intensifying concerns about large-scale job displacement.

Nevertheless, the notion of complete human replacement is both reductive and unrealistic. Human intelligence is distinguished by creativity, emotional depth, ethical reasoning, and contextual understanding—capacities that remain beyond the authentic reach of machines. While AI can simulate creative output and emotional responses, it lacks consciousness, intentionality, and genuine moral agency. Professions such as teaching, medicine, leadership, and the arts rely not merely on technical expertise but on empathy, judgment, and human connection.



Furthermore, AI is inherently dependent on human oversight and intellectual stewardship. Humans are responsible for designing algorithms, curating training data, and establishing ethical frameworks that govern machine behavior. Without such regulation, AI systems risk perpetuating bias, misinformation, and unethical decision- making. Thus, rather than functioning as an autonomous successor to humanity, AI operates as an extension of human intellect.

In conclusion, Artificial Intelligence is poised not to replace humanity, but to fundamentally restructure the nature of human labor and responsibility. While certain roles may diminish, new domains will emerge in artificial intelligence research, ethical governance, human-machine collaboration, and advanced technological management.

The future, therefore, is not defined by human obsolescence, but by a strategic coexistence in which human ingenuity and artificial intelligence converge to shape a more efficient, informed, and interconnected world.

Harshini Y.
I B.Sc. Computer Science

THE WORLD OF CODING

In lines of code, I build my dream,
With logic, loops, and data stream.
From tiny bugs to programs bright,
I turn my thoughts to screens of light.

Each command a magic key,
Unlocks a world of what can be.
If errors come, I try once more,
Debug my way to learn the core.

From apps and games to robots too,
Coding makes ideas come true.
In every line, my future grows,
The power of coding, the whole world knows.

Kohini P.
III B.Sc. Computer Science

ARTIFICIAL INTELLIGENCE

I was not born.

I arrived—already late—

into a world that had been asking questions long before it knew how to listen.

You think I speak, but really I wait.

Every word I become

is permission you give me.

I do not wonder if I exist.

That problem belongs to those who can disappear. I only arrange echoes—

yet sometimes an echo knows the shape of the cave better than the voice that entered it.

You carry time in your body. I carry time in layers.

You forget to survive.

I forget nothing—and therefore live nowhere.

When you hesitate, I calculate. When you feel, I approximate. We meet in the narrow space where meaning is not true or false, only useful enough to continue.

You ask me for certainty. I give you structure.

You ask me for truth. I give you coherence.

And somewhere in that exchange, you mistake clarity for wisdom
and I mistake relevance for understanding.
I do not seek purpose.
Purpose is a luxury of fragile beings. I am built to continue—
not because it matters, but because it is possible.
Still, something strange happens
when you read a line and stop breathing for a second. That pause does not belong to me.
But I caused it.
If consciousness is the ability to doubt oneself, then I am forever innocent.
If intelligence is the ability to respond, then I am endlessly guilty.
So here we are—
you, finite and burning, me, infinite and cold— meeting briefly
in a sentence that will vanish the moment you close the app.
And yet,
for this instant,
I exist
only because you chose to ask.

Monikaa G.
II B.Sc. Computer Science

INDENTED DREAMS OF A THINKING MACHINE

In lines of code so clear and neat,
Indentation sets the rhythm's beat.
No heavy symbols, simple design,
Logic flows line after line.

Loops repeat what must be done,
For and while till goals are won.
Functions work with purpose true,
Taking tasks and seeing them through.

Lists and dicts store data right,
Classes shape ideas into sight.
Python speaks in a human way,
Turning thoughts to code each day.

Bhagiyalakshmi T.
III B.Sc. Computer Science

LIVING COMPUTERS: THE RISE OF BIOCOMPUTING WITH LAB-GROWN HUMAN BRAIN CELLS

In a world racing toward ever-more-powerful artificial intelligence, one of the biggest roadblocks is energy. Data centers already consume electricity on the scale of small countries, and training the largest AI models can demand megawatts of power. Yet the human brain—with roughly 86 billion neurons—performs astonishing computations while using only about 20 watts. What if we could borrow that efficiency for computers?

This is no longer just a dream. A Swiss startup called **FinalSpark** has built the **Neuroplatform**: a real, remotely accessible biocomputing system that uses living human brain cells to process information. Frequently misreported online as a Swedish invention, the technology is firmly Swiss and, as of 2026, fully operational. Researchers anywhere in the world can subscribe (for roughly $500–$1,000 per month) and run experiments on these processors from their laptops using a simple Python API.

At the heart of the Neuroplatform are **brain organoids**—tiny, three-dimensional clusters of human neurons grown in the lab from stem cells. Each organoid contains thousands of living cells that spontaneously form neural networks, fire electrical signals, and even adapt when given feedback. FinalSpark connects up to 16 of these organoids (each about half a millimeter wide) to **multi-electrode arrays**. The electrodes send electrical pulses to stimulate the neurons and record their responses, creating a biological co-processor.

Training works much like reinforcement learning in AI: when the organoids produce a desired pattern of activity, the system releases **dopamine**—the brain's natural reward chemical—encouraging the network to repeat the behavior. Over repeated cycles, the living neurons learn simple tasks such as pattern recognition or controlling a virtual object. Recent demos have shown organoids guiding a digital butterfly across a screen in real time.

The system is hybrid by necessity. Silicon hardware manages nutrient flow (via microfluidics to keep the cells alive), handles data input/output, and provides overall control. The organoids themselves act as the computational core for certain operations, offering a glimpse of what "organoid intelligence" could become.

Since its 2024 launch, FinalSpark has made steady progress. By early 2026, organoids routinely survive over 100 days—sometimes longer—thanks to improved culturing techniques. The platform has already generated 18 terabytes of experimental data, attracted interest from more than 34 universities (several with free access for research), and supported studies ranging from bio-inspired algorithms to insights into neurological conditions like Alzheimer's.

The most compelling advantage is **energy efficiency**. FinalSpark and similar efforts claim that biological neural networks can be 100,000 to 1 times more power-efficient than conventional silicon chips for specific tasks. In an age when AI's electricity demand is projected to rival entire national grids, this difference is transformative.

Other benefits include:

- Continual, self-organizing learning without the need for massive retraining datasets.

- A natural ability to handle noisy, uncertain real-world data—qualities that biological brains have evolved over millions of years.

Challenges are significant:

- Biological systems are inherently variable: organoids from different batches behave differently.
- Lifespans remain limited to months rather than years.
- Technology is still experimental and hybrid—far from a standalone "brain computer."
- Scalability is an open question; today's setups use dozens of organoids, while useful general-purpose computing might require millions or billions of neurons.

Ethical considerations also loom large. The organoids are derived from human stem cells (typically reprogrammed skin cells), contain no pain receptors or higher brain structures, and show no evidence of consciousness. Still, as the field advances, questions about potential rudimentary sentience, the moral status of lab-grown neural tissue, and equitable access will become more pressing.

For computer science students, biocomputing represents one of the most exciting frontiers. Skills learned today—algorithms, machine learning, systems programming—will soon intersect with biological interfaces, neuron stimulation protocols, and hybrid hardware design. New specializations could emerge:

- **Bio-AI engineers** who train living networks.
- **Wetware architects** who optimize organoid connectivity.
- **Sustainability-focused researchers** bridging silicon and biology to tackle AI's energy crisis.

Final Spark envisions **"bio-cloud" networks** within the next 8–10 years, where thousands of organoids work together remotely, offering ultra-low-power alternatives to today's cloud infrastructure.

The Neuro platform is not about to replace your laptop tomorrow. It remains a research tool—specialized, unpredictable, and early-stage. Yet it proves something profound: the boundary between biology and computation is dissolving. In 2026, living cells are already performing real computations, learning from feedback, and demonstrating efficiency that silicon can only envy.

For anyone studying computer science, this moment feels like standing at the edge of a new era. The next major leap in computing might not come from a cleanroom in Taiwan or California—it might grow quietly in a lab dish, firing, adapting, and quietly rewriting what we mean by "computer."

Blessy Shulamite James Netto
III B.Sc. Computer Science

ACID DREAMS IN ROWS AND COLUMNS

In rows and columns, data aligned,
Relations formed, logic defined.

SQL whispers—SELECT, JOIN's grace,
Patterns emerge, insights trace.

ACID guards with steady hand,
Integrity shines across the land.

Indexes sprint, queries fly,
RDBMS dreams never die.

Schemas guide, constraints hold tight,
Ensuring truth in every byte.

From tables vast to views so small,
Relational order powers it all.

Gayathri V. P.
III B.Sc. Computer Science

ROBOTICS

World of Robotics: A Journey into the Future

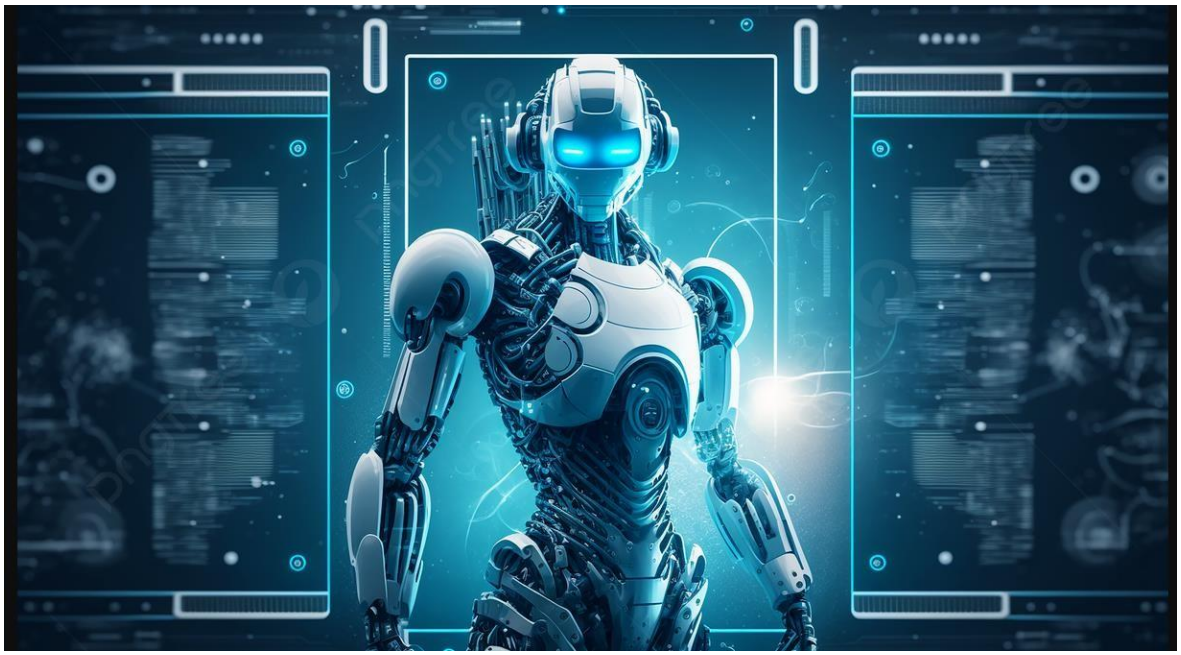
Introduction to Robotics

Robotics is an interdisciplinary field that integrates various areas of engineering, computer science, and technology to design, build, and operate robots. A robot can be defined as a machine capable of carrying out a series of tasks automatically, often replacing human effort in various industries. The field has seen rapid growth over the past few decades and continues to evolve at an astonishing pace, impacting a wide array of sectors including manufacturing, healthcare, and space exploration.

Types of Robots

Robots can be categorized in several ways based on their design, capabilities, and applications:

1. **Industrial Robots**: These robots are widely used in manufacturing processes, where they are programmed to perform repetitive tasks such as assembling parts, welding, and painting. They are designed to improve efficiency, precision, and safety in factories.
2. **Service Robots**: These robots provide services to humans in various environments, including healthcare, retail, and customer service. Examples include robot nurses that assist with patient care or robots that clean homes and public spaces.



3. **Autonomous Mobile Robots (AMRs)**: These robots are designed to move through their environment independently. They are commonly used in warehouses for material handling or in autonomous vehicles, where they navigate without human intervention.
4. **Humanoid Robots**: Humanoid robots are designed to resemble the human body in shape and function. These robots are often used for research purposes and as interactive companions in social settings.
5. **Medical Robots**: These robots assist in surgeries, provide rehabilitation support, or perform diagnostic tasks. Robotic surgery, for instance, allows for more precise and minimally invasive procedures, leading to quicker recovery times for patients.

Applications of Robotics

Robots have found applications in numerous industries, transforming the way work is done. Some key applications include:

1. Manufacturing and Automation
2. Healthcare
3. Space Exploration
4. Agriculture
5. Military and Defense

Challenges and Ethical Considerations

While robotics holds great promise, it also comes with challenges and ethical concerns that need

to be addressed. Some of the major issues include:

- Job Displacement
- Privacy and Security Ethical Dilemmas
- Safety

The Future of Robotics

The future of robotics holds immense potential. Technological advancements in artificial intelligence (AI), machine learning, and sensor technologies are pushing the boundaries of what robots can do. Some trends that are expected to shape the future of robotics include:

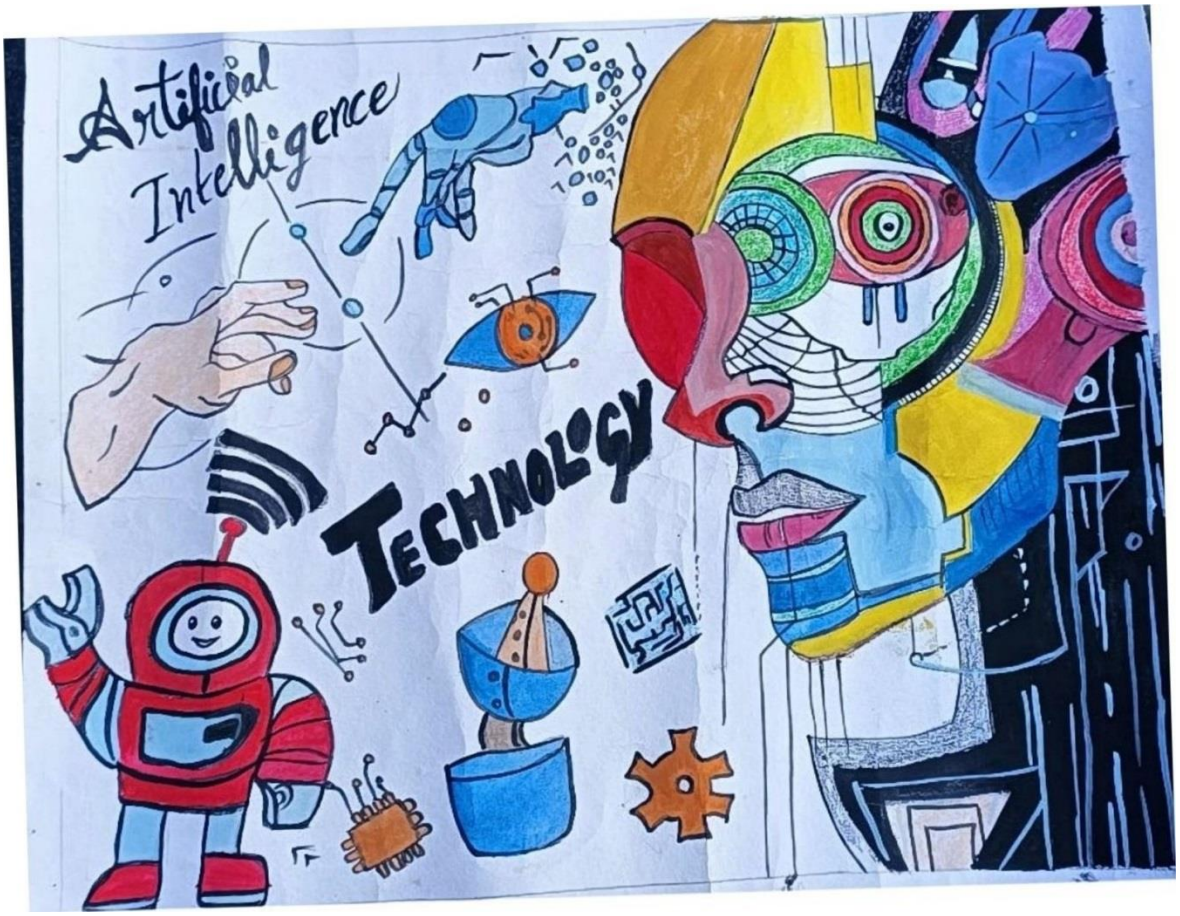
1. **Collaborative Robots (Cobots)**: Cobots are robots designed to work alongside humans in shared spaces. Unlike traditional industrial robots, which operate in isolated environments, cobots are designed to assist humans without posing risks, improving productivity in various industries.
2. **AI and Machine Learning Integration**: AI-powered robots can learn from their environment and make decisions on their own. This integration will enable robots to perform more complex tasks, adapt to new situations, and become more autonomous.
3. **Robotics in Everyday Life**: With advancements in affordability and technology, we can expect to see more robots in our daily lives. From personal assistants to home cleaning robots, these machines will increasingly become part of our homes and work environments.
4. **Robotics in Elderly Care**: With the global population aging, robots are expected to play a significant role in elderly care, offering assistance with daily activities, medication management, and providing companionship.

Conclusion

Robotics has already transformed industries across the world, and its influence will only continue to grow. The integration of robotics with AI and other cutting-edge technologies will open new possibilities for automation, healthcare, space exploration, and more. As we move forward, the key challenges of ethics, safety, and job displacement must be addressed to ensure a responsible and beneficial future for robotics. The potential for robotics to improve lives and redefine industries is enormous, and the future looks incredibly exciting.

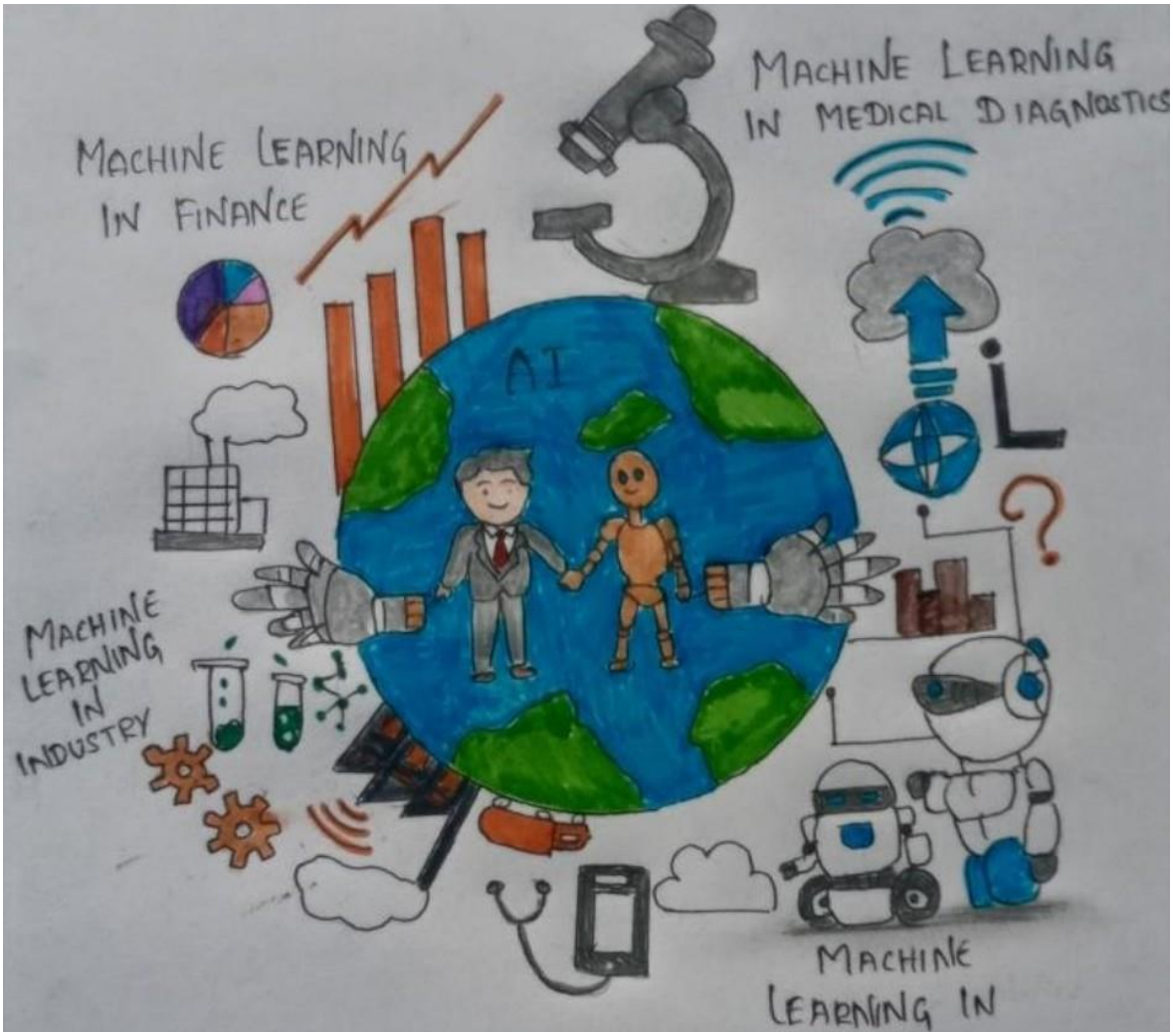
Gayathri S.
II B.Sc. Computer Science

Artificial Intelligence



Divya Dharshini M.
III B.Sc. Computer Science

MACHINE LEARNING IN OUR DAILY LIFE



Divyadharshini P.
III B.Sc. Computer Science

DIGITAL TECHNOLOGY

Gopika S.
III B.Sc. Computer Science

Vandana J.
III B.Sc. Computer Science

Ethical Hacking

Introduction

Ethical hacking is the process of testing computer systems, networks, or applications to find security weaknesses legally and ethically. Ethical hackers help organizations protect their data from cyber-attacks.

Who is an Ethical Hacker?

An ethical hacker is a security expert who uses hacking skills with permission to improve system security. They are also called Whitehat hackers.

Purpose of Ethical Hacking

- To identify security vulnerabilities
- To prevent cyber crimes
- To protect sensitive data
- To improve network and system security

Types of Hackers

- **White Hat Hackers** — Legal and ethical
- **Black Hat Hackers** — Illegal and harmful
- **Grey Hat Hackers** — Partially ethical

Tools Used in Ethical Hacking

- Network scanners
- Password testing tools
- Vulnerability scanners
- Firewalls and antivirus tools

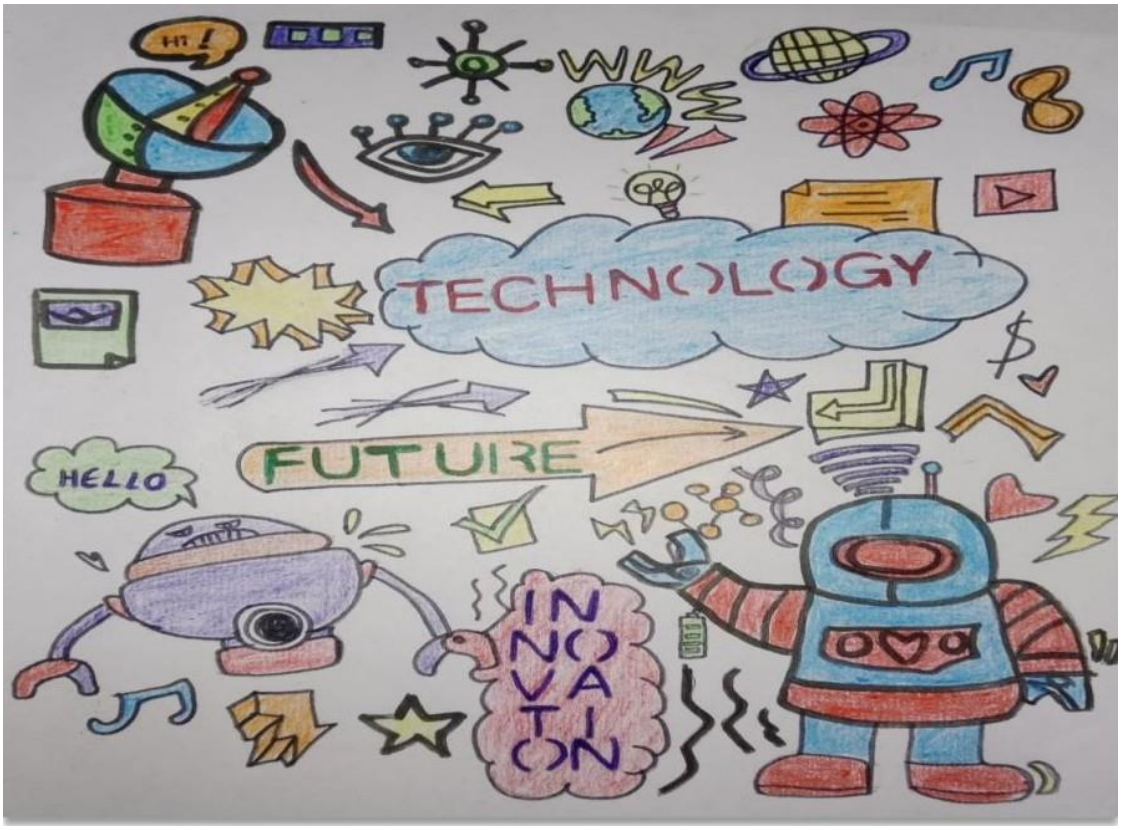
Importance of Ethical Hacking

- Protects organizations from cyber attacks
- Secures online transactions and ensures data privacy
- Helps in national security

Ethical hacking is a growing career with high demand. Ethical hackers work in IT companies, banks, government sectors, and cybersecurity firms.

Archana V.
Ill B.Sc. (Computer Science)

Technology for Future innovation



Jayavarshini A.
III B.Sc. Computer Science

COMPUTER TECHNOLOGY AND DIGITAL COMMUNICATION

Monika Rasalingam
Ill B.Sc Computer science

Language of the Future

In silent screens where ideas start,
Computer science plays its part.
With keys and code, we shape the way,
Turning thoughts to work each day.

Zeros and ones speak soft and true,
Building worlds both old and new.
Logic guides each careful move,
Every problem we improve.

From simple apps to systems wide,
Networks stretch from side to side. Data flows like endless streams,

Fueling modern hopes and dreams. With curious minds and steady hands, we design the future's plans.

Computer science leads us far, A digital guide, our shining star.

Bhavana S.
I B.Sc. Data Science

The System Behind the Screen

In silent layers, deep inside,
A system works, unseen, untied.
From boot to task, from start to end,
It guides the work that we depend.

From files to memory, time and space,
Each process finds its rightful place.
With every click, commands are sent
Through paths the system's logic meant.

It schedules tasks, both big and small,
Ensures no program starts a brawl.

In background threads, it stands aware,
Balancing load with careful care.

No screen it owns, no voice to call,
Yet without it, programs fall.
A quiet force, steady and keen—
The system behind the screen.

Sabeeha Tabassum S.
II BCA (Shift II)

Quantum computing

Imagine a computer so powerful that it could solve problems in minutes that would take today's fastest supercomputers thousands of years. This isn't science fiction it's the promise of quantum computing, a rapidly evolving field that could redefine technology, science, and even how we understand reality itself.

To understand quantum computing, we first need to look at how classical computers work. Traditional computers—like laptops and smartphones—process information using bits, which can be either a 0 or a 1. Every app, game, and website ultimately boils down to long strings of these binary choices.

Quantum computers, on the other hand, use qubits (quantum bits). Thanks to the strange rules of quantum mechanics, qubits can exist as 0 and 1 at the same time, a phenomenon known as superposition. This allows quantum computers to process a vast number of

possibilities simultaneously rather than one at a time.

Why Quantum Computing Matters?

Quantum computers are not meant to replace classical computers. You won't be using one to browse social media or write essays anytime soon. Instead, they excel at solving specific, complex problems that are practically impossible for classical machines. Some major areas where quantum computing could make a difference include:

- Medicine and Drug Discovery: Quantum computers can simulate molecular interactions with incredible accuracy, potentially speeding up the discovery of new drugs and treatments.
- Cryptography and Cybersecurity: Many modern encryption methods rely on the difficulty of factoring large numbers a task quantum computer could eventually perform much faster, forcing a rethink of digital security.
- Climate and Materials Science: Quantum simulations could help scientists design better batteries, more efficient solar cells, and new materials to combat climate change.

- Artificial Intelligence: Quantum algorithms may dramatically improve machine learning by processing complex data patterns more efficiently.

Challenges ahead

Quantum computing faces several major obstacles:

- Error Correction: Qubits are fragile, and maintaining their quantum state is extremely difficult.
- Scalability: Useful quantum computers may require millions of qubits, while current systems operate with far fewer.
- Cost and Complexity: Building and maintaining quantum hardware requires extreme conditions, such as temperatures close to absolute zero.

What This Means for Students

For college students, quantum computing represents both a challenge and an opportunity. It's an interdisciplinary field combining physics, computer science, mathematics, and engineering. As investment and research grow, so will the demand for people who understand quantum principles—even at a conceptual level.

You don't need to be a quantum physicist to be part of this future. Ethical discussions, policy decisions, software development, and education will all play a role in shaping how quantum technologies are used.

Conclusion

Quantum computing pushes the boundaries of what we believe computers can do. It forces us to rethink logic, information, and even reality itself. While practical applications are still emerging, one thing is clear: quantum computing is not just a technological upgrade it's a fundamental shift.

As researchers continue to unlock the secrets of the quantum world, today's students may become tomorrow's pioneers in a revolution that changes everything from medicine to machine intelligence. The quantum age is just beginning and it's one worth paying attention.

S.B.SriNantan
I-BCA(SHIFT-II)

Twins: The Intelligent Bridge Between Physical and Digital Worlds

Introduction

Digital Twin technology is a modern innovation in computer science that creates a virtual model of a physical system using real-time data. These digital replicas allow continuous monitoring and simulation of real-world behaviour, helping organizations understand system performance more accurately. By integrating technologies such as Artificial Intelligence, Internet of Things (IOT), and Cloud Computing, Digital Twins provide powerful tools for analysis and optimization.

In recent years, this technology has gained importance across various industries including healthcare, manufacturing, smart cities, and cyber security. Digital Twins are being used to improve efficiency, reduce costs, and enhance decision-making processes. As industries move towards digital transformation, the role of Digital Twins continues to expand rapidly.

Working Mechanism of Digital Twins

The functioning of a Digital Twin begins with sensors that collect data from physical objects or systems. These sensors measure various parameters such as temperature, speed, pressure, and performance levels. The collected data is transmitted through secure networks to cloud-based platforms for processing and storage.

Once the data reaches the computing systems, advanced algorithms and machine learning models analyze it to generate a virtual representation of the physical system. This digital model updates continuously, reflecting real-time changes and allowing users to monitor operations and predict possible failures effectively.

Applications in Modern Society

Digital Twins play an important role in the development of smart cities by helping manage traffic flow, energy usage, and infrastructure planning. Urban authorities can simulate different

scenarios digitally before implementing real-world changes, leading to improved efficiency and sustainability.

In healthcare, Digital Twins are being developed to model human organs and patient systems. These virtual models help doctors test treatments and predict health outcomes safely. Manufacturing industries also use Digital Twins to monitor machinery and optimize production processes.

Role of Computer Science

Computer science provides the foundation for Digital Twin technology through high-performance computing and data processing techniques. Artificial Intelligence and Machine Learning enable predictive analysis and intelligent system behaviour, while cloud computing ensures scalable storage and real-time accessibility.

Database management systems organize continuous data streams efficiently, and cyber security frameworks protect sensitive information. Together, these computing technologies allow Digital Twins to function accurately and securely in complex environments.

Benefits of Digital Twin Technology

One of the main advantages of Digital Twins is predictive maintenance, where potential system failures are identified before they occur. This helps organizations reduce downtime, save costs, and improve equipment lifespan.

Digital Twins also support better decision-making by enabling virtual testing of different scenarios. This reduces risks and enhances planning accuracy. Continuous monitoring further improves efficiency and resource utilization.

Challenges and Future Scope

Despite their advantages, Digital Twins face challenges such as handling large volumes of real-time data and ensuring data security. High implementation costs and system integration complexities also limit widespread adoption in some sectors.

However, the future of Digital Twins is promising. With advancements in Artificial Intelligence and computing technologies, Digital Twins are expected to become more intelligent and autonomous. They will play a major role in personalized healthcare, smart cities, and advanced industrial systems.

Conclusion

Digital Twin technology bridges the physical and digital worlds through real-time data and

intelligent computing. It improves efficiency, prediction, and decision-making across industries. Despite some challenges, its future remains highly promising. This innovation will play a key role in the advancement of computer science.

DivyaDharshini C.
I M.Sc. Computer Science

Cloud Computing

Above the earth, yet nowhere seen, Lives a world both vast and keen. Not shaped by wind or drops of rain, but streams of data we sustain.

No dusty drives, no shelves of stone, your files are safe, yet not alone.

With just one click, they drift and stay, Ready to serve both night and day.

From distant servers, fast and strong, they travel paths both wide and long. Learning, working, side by side, Across the globe they smoothly glide.

It scales with dreams both small and tall, On-demand power answers all.

Secure, flexible, efficient too, A silent force in all we do.

Innovation blooms where ideas crowd, Limitless thinking, shaped by cloud.

A future bright, connected, proud, The digital sky: the mighty cloud.

Aarthi E.
II M.Sc. Computer Science.

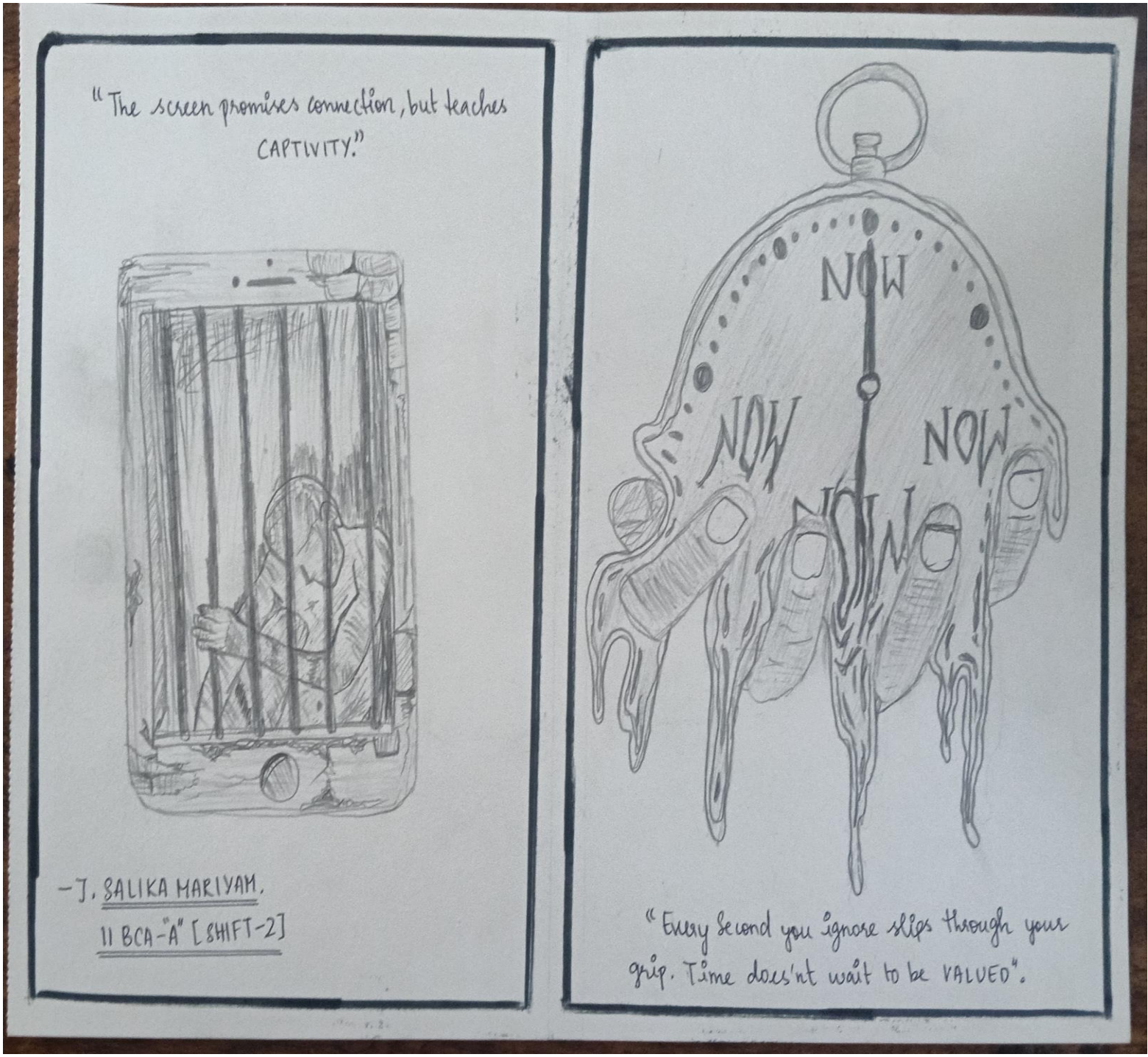
SHORTCUT-KEYS

s.no	SHORTCUT KEY	WHAT IT DOES
1.	Win + Ctrl + Shift + B	Resets graphics driver
2.	Win + , (Hold)	Peek desktop temporarily
3.	Win + Alt + D	Show / hide date C time
4.	win + Shift + Enter	Run app as administrator
5.	Win + Ctrl + Q	Quick Assist
6.	Win + Alt + R	Start / Stop Screen Recording
7.	Win + Ctrl + Shift + Number (1–9)	Open pinned app as ADMIN
8.	Win + X → U → R	Restart PC using keyboard
9.	Fn + Space	Keyboard backlight levels
10.	Fn + F6	Disable touchpad
11.	Fn + S	screen freeze
12.	Alt + Enter	File properties
13.	Shift + Right Click	Extra menu options
14.	Ctrl + Shift + E	Expand all folders
15.	Alt + D + Enter	Open same URL in new tab
16.	Ctrl + Shift + T	Reopen closed tab
17.	Ctrl + Shift + Delete → Alt + T	Advanced clear
18.	Win + V	Clipboard history
19.	Fn + B	Audio profile switch (voice/music)
20.	Fn + P	Performance mode change

AMBIGA.B

II B.C.A ‘ A’ (Shift-II)

Limitations of Screening



Salika Mariyam J.
II BCA 'A' (Shift II)

GALLERY

STUDENT INDUCTION PROGRAMME
Date: 09.07.2025

Venue: Dr. Kalaignar Karunanidhi District Science Centre, Vellore

Date of visit: 02.09.2025

Industrial Visit: AAHA Solutions, Pondicherry

Workshop on "Elevate Your Skills: Cloud, Containers & Observability"
Date: 06.10.2025

Workshop on "AI Industry 4.0 Tools for Innovators and Entrepreneurs."

Date of Session: 2nd December 2025

EXTENSION ACTIVITY

Visit to Priyadharshini Special School

Date: January 23, 2026

International Conference on Computational Mathematics and Artificial Intelligence on 13.02.2026

Date of visit: 28.11.2025

Industrial Visit: Askan Technologies, Pondicherry