New Prince Shri Bhavani Arts and Science College

Affiliated to the University of Madras | Accredited by NAAC with 'A' grade | ISO 9001:2015 Certified

Patel Road, Medavakkam, Chennai - 600 100.

DEPARTMENT OF COMPUTER SCIENCE & COMPUTER APPLICATIONS
NEWSLETTER ISSUE XII

INSIDE THIS ISSUE

Know Our Department

The Department aims at providing quality education in Computer Science through graduate programme. Highly qualified professors with recent teaching techniques define our department. The students ought to do a project on or off-campus in the final year with an option to choose their platform and thus they are exposed to the real time computer problems which will mould them to conquer the challenging IT world.

Every year this department aims in overall development of the students to meet industry needs. Teachers are constantly devising interesting methods such as expert lectures, presentations, workshops, certificate courses and seminars. Students are encouraged to do projects in latest technology and as per industry standards under the guidance of teachers.

Our department has ICT facilities like LCD projectors, computers, Internet which is used in the teaching learning processes. Exploration of talent through teaching learning process, projects, seminars, presentation of students are regular features of class room teaching by which advanced learners are identified. Internal assessment test are conducted through which student's performance is evaluated. The college has, good infrastructure facilities, well equipped laboratories, computer labs, library and extra circular facilities.

MESSAGE FROM HOD DESK

"The goal of education is the advancement of knowledge and the dissemination of truth"
-John F.Kennedy

Dr. V. Umadevi

It's immense pleasure to present this newsletter. Computer Science department is the dynamic and vibrant department with the blend of young and experienced Faculty.

Today we find that information technology has become overwhelmingly pervasive. There are several ways to present the canonical core of computer science. Over the years we have developed a distinct style and method that bridges the theory-practice divide while remaining grounded in the core. Technology changes rapidly, especially in the field of computing, whereas the science, if it changes at all, does so much more gradually. Our understanding is that persons who are clear and through about the fundamentals can adapt to rapid changes in technology relatively easily. We want the education imparted to our students to be the basis of a life time of learning. Learning is a continuous process and does not end with the acquisition of a degree, especially because steady and rapid advances in computing technologies shorten the life of tools and techniques prevalent today. Therefore we do not aim to make our students walking manuals of any language or package. Instead, they are given a strong foundation in computer science and problem-solving techniques, and are made adaptable to changes.

We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial training in reputed organizations, equips our students to handle the challenges pose by the software industry. I am confident that you will find our students worthy of your organization.

Department of
Computer Science & Applications

VISION

To be in the frontier of Computer Science and Applications to produce globally competent graduates and professionals with innovative ideas, skills and moral values to build a vibrant nation

MISSION

- *To provide quality education to meet the need of Profession and society.*

- *Provide a learning ambience to enhance innovation, problem solving skills, leadership qualities, team-sprit and ethical responsibilities.*

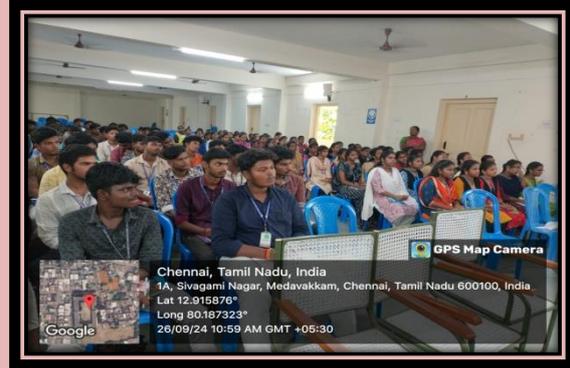- *Provide exposure of latest tools and technologies in the area of information and technology.*

The Department of Computer Science was established in the year of 1999 with UG program, B.Sc. Computer Science to nurture fresh talent in the field of Information Technology. To accomplish the need of IT sector, we started BCA in 2000. The Department was upgraded into a post graduate stream in the year of 2003. Recently we also started computer science with AI in 2022.Every aspect of event from its inception to the execution had been the outcome of the culminated efforts of the faculty and students of the departments. It aimed to inculcate and enhance the critical thinking, creativity, interpersonal skills. It is committed to provide a supportive, friendly, and challenging learning environment and to impart quality education in the sub fields of IT, a field growing leaps and bounds. Our department provides a range of undergraduate and graduate programs designed to prepare students for success in various technology-related careers. Our state-of-the-art facilities, including labs and collaborative spaces, support hands-on learning and research. Our faculty members are experienced educators and researchers who are passionate about teaching and advancing the field of computer science. The department regularly organizes various seminars, conferences, workshop and development programs etc., for the benefit of faculties and students in the area of Information Technology. The overall academic performance of the department is outstanding.

WORKSHOP, SEMINAR & CONFERENCE

➢ A one day workshop on "ANIMATION WITH VFX" has been organized by Mr.Ram Shreyes, Technical Expert, Image Creative Education, Alwarpet, held on 22nd Aug. 2024.
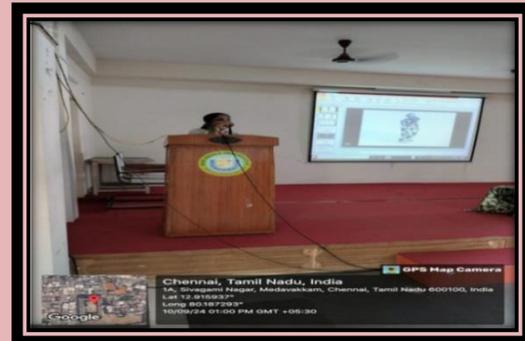

➢ A one day seminar on "THE CONVERGENCE OF EMERGING TECHNOLOGIES : IN SHAPING THE FUTURE OF INDUSTRY" presented by Mr.A.Nallathambi, President & Mr.S.Nagarajan, GM, IAT Technologies, Guindy, Chennai , held on 16th Aug, 2024.

➢ A one day seminar on "HOW TO CRACK INTERVIEW" presented by Mr.P Vignesh, Mr.S.Kamalesh, Mr.L.Bharathram, Association of Intellectual Managers, held on 2nd Sep,2024.

➢ A one day seminar on "INTRODUCTION TO ARTIFICIAL INTELLIGENCE" presented by Mrs. A.Santhoshi Assistant Professor,Department of Computer Applications,at Prince Shri Venkateswara arts and science college,Gowrivakkam,held on 10th Sep, 2024.

➢ A one day seminar on "CAMPUS QUALIFICATION TO CORPORATE EXPECTATION BRIDGE THE GAP" presented by Mr.M.S.John Wesley,Robotic Process Automation,Cognizant Technology Solutions,Placement Trainer and Assistant Professor,Dhanalakshmi Srinivasan College of arts and science college,held on 26th Sep, 2024.

➢ A one day seminar on "BUILDING INTELLIGENT SYSTEMS: EXPLORING AI & ML TECHNIQUES WITH CODING AND NO-CODE SOLUTIONS" presented by Mr.Arun Kumar,Vice President,Retech Solutions & Retech Lasers Solutions, held on 27th Dec 2024,for all IIIrd year and I M.Sc students.

- A one day seminar on "NEXT – GEN AI: MACHINE LEARNING STRATEGIES FOR SMARTER SYSTEMS" presented by Dr.A.Josephine Isabella, Assistant Professor, Department of Computer Science, A.M.Jain College,Meenabakkam, held on 13th Feb 2025,for all IInd year and I M.Sc students.

- A one day seminar on "OPENING DOORS TO SUCCESS & JUMPSTARTING YOUR CAREER!" presented by Mr.S.Vishal,Backend Developer,Tata Constancy Services, held on 25th Feb 2025,for all Ist year students.

- A one day workshop on "CODE TO CAREER: A GUIDE TO IT PLACEMENT SUCCESS" has been organized by Mr.Jeyaprakash NagathaPandian, CO Founder,ATC Technologies, held on 26th Feb 2025, for all IInd year and I M.Sc students.

The **International Conference** on Contemporary Trends in Advanced Computing Technologies (ICCTACT 2025) has been organized by our department on 15th March2025 in hybrid mode.

The following Resource persons from various institution has shared their sessions in this conference:
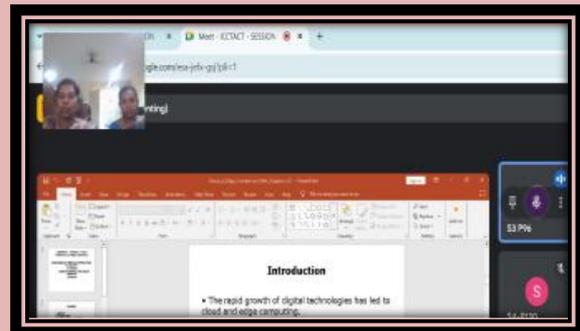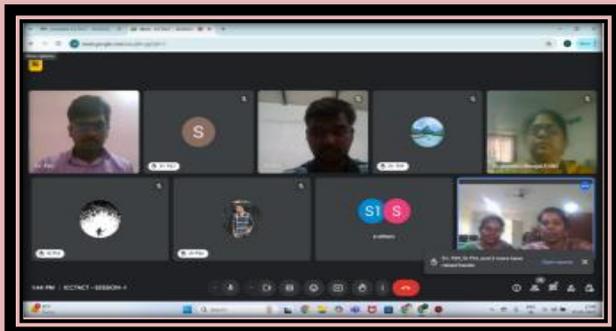
Dr .D .Akila ,Professor , Department of computer Applications, SIMATS, Chennai.

Dr.A.Ambeth Raja ,Associate Professor &Head,Thiruthangal Nadar College, Chennai.

Dr. R.Sabin Begam, Assistant Professor,Department Of Computer Applications, B.S.Abdur Rahman Crescent Institute Of Science And Technology,Vandalur

Dr.R.Alarmelu Mangai,Assistant Professor,Department Of Computer Applications,

Dr .SNS Rajalakshmi College Of Arts And Science, Coimbatore.

STAFF ACHIEVEMENT

- ❖ Dr.P.Calista Bebe ,MCA.,M.Phil.,Ph.D. ,Assitant professor has published a book "WEB TECHNOLOGY AND ADVANCED JAVA" for PG course.
- ❖ Mrs.Chitra,MCA., M.Phil., Ph.D has completed her Docorate in VISTAS
- ❖ Mrs.R.Kala &Mrs.B.Bhuvaneshwari was honored with the "Kalvichudar-2024" award by Aruntamil Sangam.
- ❖ Dr.S.Sivakamasundari has givenspecial lecture on "Cloud Computing with Microsoft Azure" on 5th oct '2024 at Rabiammal Ahamed Maideen College for Women, Thiruvarur.
- ❖ Mrs.R.Kala served as the Guest Lecture for an "Building Progressive web Apps(PWAs) with Angular JS" held on 22nd August 2024 at Bharathiar University PG Extension and Research Centre, Perundurai.
- ❖ Mrs.R.Kala has given special lecture on "Machine Learning for cyber security" hel on 10th feb 2025 at Bharathiar University PG Extension and Research Centre, Perundurai.

INTRA - DEPARTMENTAL COMPETITIONS

- The Department of Computer Science and Department of Computer Applications has conducted an Intra Departmental Coding Contest Competition **"CODE CRACKERS '24"** on **12th September 2024**, on the occasion of the **INTERNATIONAL LITERACY DAY**. A total of 24 teams (2 per team) representing B.Sc Computer science, B.Sc Computer science with AI and BCA came forward to participate in the competition.
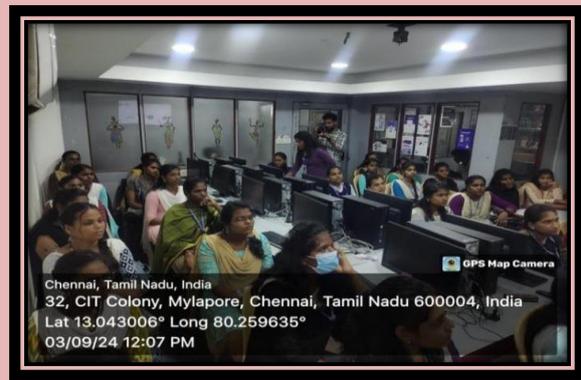

- The Department of Computer Science and Applications organized an Intra Departmental Poster Making Competition "TECHNO SHARE 25"on the **21st January 2025**, on the occasion of the **DATA SECURITY DAY.** A total of 19 teams of students representing B.Sc. Computer science, B.Sc. Computer science with AI and BCA participated in the competition.

INDUSTRIAL VISIT

The Department of Computer Science and the Department of Computer Applications had organized an industrial visit for BCA, B.Sc. CS, B.Sc. CS (AI) and the M.Sc. CS students. The visit was to the **Image Creative Education Private Limited**, situated in Alwarpet, Chennai held on 3rd and 4th September 2024.

As part of the **Naan Muthalvan Scheme**, a course titled **"Front-End Development and MongoDB Administration"** was conducted for the students of **III BCA A & B, III CS, and III CS AI**.

Under the **Naan Mudhalvan Scheme**, a course titled **"Fundamentals of Web Development"** was conducted for the students of **II BCA, II B.Sc. CS, and II CS AI**.

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As part of the **Naan Mudhalvan Scheme**, a course on **"Overview of English Language Communication"** was conducted for students of **I BCA, B.Sc. CS, and I CS AI**.

Department of Computer Science and Computer Applications had organized a Technical Symposium **'TECHNIX 2K'25'** on **22th February 2025.**

"PAPER PRESENTATION" competition was conducted in the Seminar Hall. This event is all about how to manage the chosen topic with their presentation skills in front of the audience. Students presented on various topics from areas of Robotics, Internet of Things, Cloud Computing, Quantum Computing.

"QUIZ" competition was conducted in the Class Room. The primary goal of this event is to educate them on current general knowledge in Science and Technology.

"POSTER MAKING" competition was conducted in the Lecturer hall. Each participant was encouraged to use a mix of traditional and digital art techniques to create their posters.

"DEBUGGING" Competition was conducted in the Class room. This would essentially be a test of the programming logic, conceptual and implementation skills of the participants in Python and Java.

"FACE PAINTING" competition was conducted in the Class room. The Theme of Face painting is "Designs Resembling futuristic coding" or "digital glitch inspired patterns".

ALUMNI TALK

An Alumni Interaction activity with final year students about "Learning from Experience: Senior Students" was held on 12/07/24. Alumnus **Mr.V.Hariharan, Social media-You Tuber** from Chennai, conducted the session.

Academic achievements mostly result from great ambition to strive for bigger and better things. Students of our college have been actively participated in various intercollegiate competitions, bagged prizes during 2024-2025.

❖ A.Nanish and S.EzhilVenthan, from III CS has won II Prize in BUG HUNTER ARENA at LOYOLA COLLEGE, Nungambakkam, held on 13-12-2024.

❖ S.Jay Prakash and A.Bernice, from III BCA has won II Prize in VIDEO EDITING at DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE, held on 25-02-2025.

❖ S.Santhosh and J.Amith, from III CS(AI) and III CS has won II Prize in MIND MASH (QUIZ) at SINDHI COLLEGE, held on 25-02-2025.

❖ Dandu Manu, from II BCA has own II Prize in THEME DANCE at SINDHI COLLEGE, held on 25-02-2025.

❖ A.Nanish, from III CS has own II Prize in ON SPOT CODING at VELS UNIVERSITY, held on 12-03-2025.

❖ A.Nanish, from III CS has own I Prize in HACK THE LADDER at AGURCHAND MANMULL JAIN COLLEGE, held on 13-03-2025.

❖ K.Pooja and M.Janani, from III BCA has won II Prize in ENDEAVOR EXPO at NEW PRINCE SHRI BHAVANI COLLEGE OF ENGINEERING AND TECHNOLOGY, held on 15-03-2025.

PLACEMENT TRAINING

- **PLACEMENT CELL** and **INNOVATIVE ACADEMY SERVICES** provide **FIVE** days Aptitude Training I for B.Sc(CS), BCA and M.Sc(CS) was scheduled on 24/6/24 and 28/6/24.

- PLACEMENT CELL provide TWO days APTITUDE Training II for B.Sc(CS), BCA and M.Sc(CS) was scheduled on 20/7/23 and 21/7/23.

- **PLACEMENT CELL** also provide THREE days Technical Training for B.Sc(CS), BCA and M.Sc(CS) was scheduled on 01/7/24, 03/7/24, 23/01/25 AND 24/01/25.

- The important companies that visited the campus this year include TCS – IT, EOS GLOBE, ELITE, QUINTESSENCE, SUTHERLAND, AUTOGURUKUL,POPULAR VECHILE SERVICE LTD,RINEX TECH,THINKSYNQ, DAPHNE INFOTECH, MUTHOOT FINANCE, ICICI Prudential Life Insurance and so on. So far, 152 students from Computer Science Department have been placed this academic year.

WORKSHOP AND CONFERENCES ATTENDED BY FACULTY MEMBERS

From	To	Faculty Name	Title	Venue
22/6/24	-	Mrs.A.Sivarani Dr.P.Calista Bebe Dr.S.Sivakamasundari Mrs.R.kala Dr.M.Kalapana Mrs.J.Ramya	AI Tools For Teaching.	Star International Foundation For Research & Education, Namakkal.
25/6/24	-	A.Sivarani Dr.S.Sivakamasundari R.Kala	Teacher as facilitator.	Dr.M.G.R Educational and Research Institute,Chennai.
26/6/24	-	Mrs.A.Sivarani Dr.P.Calista Bebe Mrs.I.Poonkody Dr.S.Elavarasi Mrs.S.Janet Grace Susila Mrs.R.kala Dr.K.Chitra Dr.M.kalapana Mrs.V.Sivagamasundari Mrs.J.Ramya Dr.A.Thilaka Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram Mrs.R.GulshanFarzana	Navigating the art of teaching.	Dr.M.G.R Educational and Research Institute, Chennai.
27/6/24	-	Mrs.A.Sivarani Dr.P.Calista Bebe I.Poonkody Mrs.R.GulshanFarzana	Student's Engagement through effective teaching and learning	Dr.M.G.R Educational and Research Institute, Chennai.
29/6/24	-	Mrs.A.Sivarani Dr.P.Calista Bebe Dr.S.Sivakamasundari Mrs.I.Poonkody Dr.S.Elavarasi Mrs.S.Janet Grace Susila Mrs.B.Bhuvaneshwari Dr.A.Thilaka Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram	Empowering Educators for tomorrow.	Dr.M.G.R Educational and Research Institute, Chennai.
8/7/24	12/7/24	Mrs.R.kala Dr.K.Chitra Mrs.V.Sivagamasundari	Practicing Analytics with Data Science.	CMR university,Delhi

30/9/24	4/10/24	Mrs.A.Sivarani Dr.P.Calista Bebe Mrs.I.Poonkody Dr.S.Elavarasi Dr.M.kalapana Mrs.V.Sivagamasundari Mrs.B.Bhuvaneshwari Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram Mrs.R.GulshanFarzana	Tech Synergy:Cloud-Driven AI & IOT solutions.	Sathyabama Institute of science and technology,Chennai
18/11/24	22/11/24	Dr.P.Calista Bebe	Machine Learning and Deep Learning.	Fist Neuron and value Laden.
2/12/24	22/12/24	Dr.S.Sivakamasundari Dr.S.Elavarasi Mrs.R.kala Dr.K.Chitra Mrs.V.Sivagamasundari Mrs.B.Bhuvaneshwari Mrs. J.Ramya Mrs.R.GulshanFarzana	Java Full Stack With React JS and AI.	SRM university, Kattankulathur.
27/01/25	-	Mrs.A.Sivarani Dr.P.Calista Bebe Dr.S.Sivakamasundari Mrs.I.Poonkody Dr.S.Elavarasi Mrs.S.Janet Grace Susila Dr.M.kalapana Mrs.R.kala Dr.K.Chitra Mrs.V.Sivagamasundari Mrs.B.Bhuvaneshwari Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram Mrs.R.GulshanFarzana Mrs. J.Ramya Dr.A.Thilaka	Block chain Technology.	Micheal Job college of arts and science for women, Comibatore.
17/02/25	21/02/25	Mrs.A.Sivarani Dr.S.Sivakamasundari Dr.M.kalapana Mrs.V.Sivagamasundari Mrs.B.Bhuvaneshwari Mrs. J.Ramya Dr.A.Thilaka Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram Mrs.R.GulshanFarzana	AI Tools.	Brain O solutions India pvt,Ltd, Hydrabad & AICTE.

21/04/25	25/04/25	Mrs.A.Sivarani Dr.P.Calista Bebe Mrs.I.Poonkody Dr.S.Elavarasi Mrs.S.Janet Grace Susila Mrs.R.kala Dr.K.Chitra Dr.M.kalapana Dr.A.Thilaka Dr.G.Simimargarat Dr.A.P.ShanmugaSundaram	Innovation-Driven Tech Frontiers:Empowering computer science through IPR,Start up and emerging technologies.	Bon Secours college for Women Thanjavur.
30/04/25	-	Dr.P.Calista Bebe	Decducting AI Generated Synthetic media:Emerging techinques,Application and challenges.	Arasu Engineering college kumbakonam.
20/01/25	25/01/25	Mrs.A.Sivarani Dr.P.Calista Bebe	Fundamentals of web development.	University of Madras.
23/05/25	-	Mrs.A.Sivarani Dr.P.Calista Bebe Dr.S.Sivakamasundari	Introduction to AI and Data Science.	Nehru college of management, Comibatore.
26/05/25	30/05/25	Mrs.A.Sivarani Dr.P.Calista Bebe	Applied AI &ML from concepts to real world application in teaching.	Dr.M.G.R Educational and Research Institute, Chennai.