

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**



**2023-2024 (ODD SEMESTER)**



With the immense gratitude and admiration for the Department of Computer Science's outstanding contributions over the past year. As a college advisor, I have had the privilege of witnessing firsthand the department's unwavering dedication to fostering academic excellence and professional growth among our students.

Throughout the year, the Department of Computer Science has organized numerous technical events, each meticulously designed to provide students with practical insights and hands-on experience in their field of study. From coding competitions to “Hackathons” and workshops, these events have not only enriched our students' academic journey but have also nurtured their passion for computer science and technology.

Moreover, I am deeply impressed by the department's relentless efforts towards placements. Through career fairs, networking events, and industry partnerships, the department has played a pivotal role in connecting students with promising career opportunities in the tech industry. Your commitment to ensuring the employability of our students is truly commendable and reflects the department's unwavering dedication to their success.

As a college advisor, I am keenly aware of the impact that the Department of Computer Science has had on our students' lives. Your dedication, passion, and tireless efforts have not gone unnoticed, and I am immensely grateful for all that you do. Your commitment to academic excellence and student success is an inspiration to us all.

In closing, I would like to extend my heartfelt appreciation to the entire Department of Computer Science for their outstanding contributions and dedication to our students' academic and professional growth. Your hard work and commitment have made a significant difference in the lives of our students, and for that, we are truly grateful.

Mr. K. Razak  
Advisor

## Preface



With profound appreciation and admiration for the Department of Computer Science's outstanding contributions to our academic community. As a college advisor, I have had the privilege of witnessing the department's unwavering dedication to nurturing student growth and success.

Throughout the academic year, the Department of Computer Science has orchestrated a myriad of technical events, each carefully crafted to provide students with invaluable hands-on experience and practical insights into the dynamic field of computer science. From coding competitions to “Hackathons” and workshops, these events have not only enriched our students' academic journey but have also fueled their passion for innovation and technology.

Furthermore, I am deeply impressed by the department's steadfast commitment towards placements. Through career fairs, networking events, and industry collaborations, the department has gone above and beyond to connect students with promising career opportunities in the ever-evolving tech industry. Your dedication to ensuring the employability and professional success of our students is truly commendable and serves as a beacon of inspiration for us all.

As a college advisor, I am acutely aware of the profound impact that the Department of Computer Science has on our students' lives. Your tireless efforts, unwavering dedication, and boundless enthusiasm have not only shaped the academic landscape of our institution but have also transformed the lives of countless students.

In closing, I wish to extend my heartfelt appreciation to the entire Department of Computer Science for their exemplary contributions and unwavering commitment to our students' academic and professional development. Your dedication and passion are truly unparalleled, and I am immensely grateful for the invaluable role you play in shaping the future leaders of tomorrow.

*Mr. M. Vaasu*  
Advisor



I am delighted to take this opportunity to express my sincere appreciation to the Department of Computer Science for their outstanding contributions and tireless efforts in enriching our academic environment. As we reflect on the past academic year, it is evident that the Department of Computer Science has consistently demonstrated excellence in various facets of education, research, and professional development.

One of the highlights of the department's initiatives is the Kani Tamil Peravai, a platform that celebrates the richness of our cultural heritage while fostering linguistic proficiency among our students. The efforts put forth by the department in organizing this event have not only promoted cultural awareness but also provided a unique learning experience for our students.

Moreover, the department's dedication to enhancing the employability of our students is truly commendable. Through initiatives such as Mock Interviews and Technical Discussions, tailored specifically for our IV Year Value Added Course, students have been equipped with the necessary skills and confidence to excel in their professional endeavors. Covering a wide range of topics including C, C++, Java, Python, SQL, Data Structures, and more, these events have been instrumental in bridging the gap between academia and industry.

Additionally, the department's commitment to fostering a culture of research and innovation is evident through the Research Talks organized for our students. By providing a platform for scholarly discussions and knowledge sharing, the department has inspired our students to explore new horizons and pursue excellence in their chosen fields.

I am particularly impressed by the collaborative spirit and dedication exhibited by the faculty and staff of the Department of Computer Science. Their unwavering commitment to student success, coupled with their passion for teaching and research, has been a driving force behind the department's achievements.

As we look ahead to the future, I have no doubt that the Department of Computer Science will continue to uphold its tradition of excellence and innovation. On behalf of the entire college community, I extend my heartfelt gratitude to the department for their invaluable contributions and dedication to academic excellence.

*Dr. N. Balaji*  
Principal

## Preface



As we reflect on the past year, I am filled with immense pride and gratitude for the remarkable accomplishments of the Department of Computer Science. It has been a year marked by innovation, collaboration, and unwavering dedication to excellence, and I am honored to celebrate the myriad achievements of our departmental community.

Throughout the year, the Department of Computer Science has been at the forefront of fostering academic excellence and professional growth among our students. Our commitment to providing a holistic learning experience is evident in the multitude of events and initiatives organized by the department.

One of the cornerstones of our department's initiatives is the relentless focus on industry relevance and employability. We have conducted numerous Mock Interviews and Technical Discussions tailored specifically for our IV Year students, focusing on essential topics such as SQL, Data Structures, and more. These initiatives have not only equipped our students with the practical skills and knowledge required to excel in their careers but have also provided them with invaluable insights into the industry landscape.

Furthermore, the department's dedication to fostering a culture of research and innovation has been truly inspiring. Our Research Talks have provided a platform for students to showcase their scholarly work, exchange ideas, and collaborate on cutting-edge research projects. This emphasis on research not only enriches the academic experience of our students but also contributes to the advancement of knowledge in the field of computer science.

As we look ahead to the future, I am confident that the Department of Computer Science will continue to uphold its tradition of excellence and innovation. Together, we will strive to push the boundaries of knowledge, inspire creativity, and empower our students to make a meaningful impact on society.

On behalf of the entire college community, I extend my heartfelt appreciation to the Department of Computer Science for their outstanding contributions and dedication to academic excellence. Your hard work and dedication have truly made a difference in the lives of our students, and for that, we are immensely grateful.

*Dr. S. Soundararajan*  
Vice-Principal

## From the HOD's Desk



To express my heartfelt appreciation to the Department of Computer Science for their outstanding contributions and unwavering dedication to our academic community. As the Head of the Department, and a proud member of this esteemed group, I am privileged to witness the remarkable efforts put forth by each member of our department.

Over the past year, our department has organized numerous technical events that have not only enriched the academic experience of our students but have also provided them with invaluable practical knowledge and skills. From coding competitions to hackathons, workshops, and seminars, these events have served as platforms for our students to explore their passions, expand their horizons, and develop essential competencies in the ever-evolving field of computer science.

In addition to these technical events, I am deeply appreciative of the department's dedication towards placements. Through career fairs, networking events, and industry collaborations, we have worked tirelessly to connect our students with promising career opportunities in the tech industry.

I am particularly proud of the recent Technical Discussions organized for our IV Year Value Added Course, covering essential subjects such as C, C++, Java, Python, SQL, Data Structures, and more. These discussions, along with insightful Research Talks, exemplify our department's commitment to providing a comprehensive and well-rounded education to our students. Your dedication to their academic and professional development is inspiring and serves as a testament to the excellence that defines our department.

In closing, I wish to extend my sincere gratitude to the entire Department of Computer Science for their outstanding contributions and commitment to excellence. Together, we will continue to strive for academic excellence, innovation, and student success.

*Dr. V.P Gladis Pushparathi*  
HOD-CSE

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## Other Activities

### Parton

Dr. N. Balaji

Dr. S. Soundararajan

Dr. V. P. Gladis Pushparathi

### Staff Editorial Committee

Mr. Prabhu Arockiyaraj

Mr. Joice ruby J

Mrs. Pratheeba

Mrs. Pavithra. B

Mrs. Muthulakshmi

Mrs. Gayathri A.K

Mrs. Renuga. R



## **INDUSTRIAL VISITS**

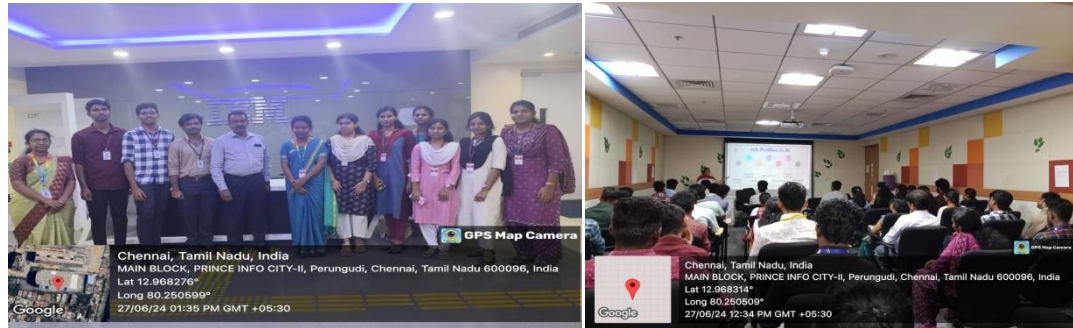
**Name of the Company:** IBM India Pvt. Ltd , Chennai.

About IBM

As one of the world's oldest and largest technology companies, IBM has been responsible for several technological innovations, including the automated teller machine (ATM), dynamic random-access memory (DRAM), the floppy disk, the hard disk drive, the magnetic stripe card, the relational database, the SQL programming language, and the UPC barcode. The company has made inroads in advanced computer chips, quantum computing, artificial intelligence, and data infrastructure. IBM employees and alumni have won various recognitions for their scientific research and inventions, including six Nobel Prizes and six Turing Awards.

### **Description:**

Industrial visit to “IBM India Private Limited “, at Chennai was organized by the Department of CSE at Velammal Institute of Technology on Thursday i.e., 27-06-2024. Students got real time exposure about the corporate world and its functioning with 2 faculty members, 9 students visited the place.



Session -1: Students were briefed on

- a) Software culture
- b) How to build Resumes, prepare for Interviews
- d) How to up-skill, re-skill and multi-skill themselves accordingly

Session -2: Students were briefed in “How to build career in testing”

Session -3:

- a) Success Stories
- b) Lab Tour
  - IBM developed IBMAIX OS

- Storage Servers
- Various Networking and Internetworking devices

**Organized by:** Department of CSE-AIML

**Date of Visit:** 18/03/2023

**Government / Private:** Private

**No. of participants Visited:** 56 Students + 4 Faculties

**Nine students from CSE department shortlisted to attend the IBM industrial visit on 27/06/24**

## WORKSHOP



### **One-Day Workshop on Internet of Things (IoT)**

The Department of Computer Science and Engineering organized a one-day workshop on IoT for final-year Computer Science students on January 30, 2024. The event began at 9:00 am with a prayer and a welcome address by Dr. V.P. Gladis Pushparathi, Professor and Head of CSE.

#### **Forenoon Session:** Introduction to IoT

In the FN session, Assistant Professor Mrs. Ponsangeetha introduced the Chief Guest, Mr. Logeshwaran, Senior Software Engineer at Global Tech Solutions. He covered IoT fundamentals, including:

- IoT Architecture
- Sensors and Actuators
- Communication Protocols like MQTT and HTTP

- Applications of IoT in smart cities, homes, and healthcare

*The session concluded with a live demo of an IoT application.*

**Afternoon Session:** Advanced IoT Applications

The AN session, introduced by Assistant Professor Mrs. Deepika, featured Mr. Kumar, Senior Software Engineer at Global Tech Solutions. Topics covered included:

- AI in IoT: Enhancing smart automation
- IoT Security: Addressing privacy and cybersecurity concerns
- Cloud Integration: Managing IoT data with cloud services
- Future Trends: Discussion on edge computing and 5G

A Q&A session followed, with insights into career opportunities in IoT



**One-Day Workshop on "Promising Scope of Cloud Computing"**

The Department of Computer Science organized a one-day workshop on "Promising Scope of Cloud Computing" for third-year Computer Science Engineering students on March 27, 2024. The workshop began with a formal introduction of the guest speaker, Mr. Anand, Director and Consultant at Vabtech Solutions Private Limited

## **Key Highlights of the Workshop**

Mr. Anand shared valuable insights into the field of Cloud Computing, focusing on its promising future prospects and the career opportunities it presents.

### **Topics covered during the session included:**

- Cloud Computing Models: Overview of Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) .
- Benefits of Cloud Computing: Highlighting key benefits like cost efficiency, scalability, and remote accessibility.
- Career Paths: Discussion on career opportunities within cloud computing, such as Cloud Architect, Cloud Developer, and Cloud Security Specialist.
- Real-World Applications: Examples of how cloud technology is used across various industries, including healthcare, finance, and entertainment.

The workshop concluded with an interactive Q&A session, where students were encouraged to ask questions, leading to engaging discussions about the future of cloud technologies and related career paths. Overall, the session provided the students with a foundational understanding of cloud computing, its applications, and the skills required to excel in this dynamic field.

## **SEMINAR**

### Seminar on "Visual Effects (VFX) Design"

On March 27, 2024, the Department of Computer Science organized a seminar on "Visual Effects (VFX) Design" for second-year Computer Science Engineering students. The seminar featured Mr. A.R. Vigneshwarar, Founder, Director, and CEO of Moving Frames Animation Institute, who provided valuable insights into the world of VFX Design.



## Seminar Highlights:

Mr. Vigneshwarar discussed various aspects of Visual Effects Design, including:

- Introduction to VFX: Overview of VFX technology, its evolution, and its role in modern filmmaking and media production.
- VFX Workflow: Detailed discussion on the VFX production process, including storyboarding, compositing, and rendering.
- Techniques and Tools: Explanation of key VFX techniques, such as CGI (Computer-Generated Imagery), motion tracking, and the tools used in the industry, such as Maya, Nuke, and After Effects.
- Career Opportunities: Information on different career roles in the VFX industry, such as VFX Artist, Compositor, and 3D Animator

The seminar concluded with a Q&A session, allowing students to ask questions and learn more about pursuing a career in the VFX industry. Overall, the seminar offered an enriching introduction to the exciting and creative field of Visual Effects Design, encouraging students to explore their interest in the domain further.

**DETAILS OF CONFERENCES , FDTP ,AND FDP FDT**



Conference on "**Five Days FDP on EBPL-Design Thinking**"

Attendees: Mrs. Joica Ruby J. and Mrs. Pavithra, CSE Department

## Overview:

Mrs. Joica Ruby J. and Mrs. Pavithra from the Computer Science Engineering (CSE) Department attended a five-day Faculty Development Programme (FDP) on EBPL-Design Thinking, organized by HCL Technologies from March 16 to March 20, 2024. The program was designed to enhance participants' understanding and application of design thinking principles in educational settings.

## Program Highlights:

Led by Mr. Vijayaraghavan and Mrs. Hema Nair, Trainers and Managers at HCL Technologies, the FDP provided valuable insights into the design thinking framework. Key topics covered during the sessions included:

- Introduction to Design Thinking: Understanding the fundamentals and importance of design thinking in problem-solving.
- *\*Empathy and User-Centric Design\**: Techniques for understanding user needs and integrating them into the design process.
- *\*Ideation and Prototyping\**: Methods for brainstorming ideas and developing prototypes to test solutions.
- *\*Implementation and Feedback\**: Strategies for implementing solutions and gathering feedback to improve designs.

The FDP equipped participants with essential skills and knowledge to foster a design thinking mindset in their teaching methodologies. The insights gained from this program are expected to enhance the educational experience for students in the CSE Department, promoting innovative problem-solving approaches in the curriculum.

## PLACEMENT DETAILS

S.No	University Roll Number	Student Name	Company Name	Package
1	113320104002	ADHAVAN T S B	HFFC	5.25 LPA
2	113320104007	ARAVIND RAJ N	HFFC	5.25 LPA
3	113320104008	ARAVINTHAN R	Triyam Information Technology Pvt. Ltd.	3 LPA
4	113320104009	ARBUTHA A V	Avasoft	5.5 LPA
5	113320104019	BHUVANESH U	Karomi Technology	4.5 LPA
6	113320104033	GAYATHRI DEVI R	Fusion Practices	4.5 LPA
7	113320104035	HALIL MUHFAIDHU J	Fusion Practices	4.5 LPA
8	113320104047	KIRANJITH V	Triyam Information Technology Pvt. Ltd.	3 LPA
9	113320104051	LIKITHA A	Tiger Analytics	7.5 LPA
10	113320104056	LOHITH SHYAM SRI.S	ProwessIQ	2.4 LPA
11	113320104062	MUHAMMED AFLAH T A	Movate	3 LPA
12	113320104064	MUTHU RUBAN T	Fusion Practices	4.5 LPA
13	113320104084	SANTOSH C S	Avasoft	5.5 LPA
14	113320104088	SHRUTHIKA V	Accenture	4.5 LPA
15	113320104092	SUGANESHWARAN V	Triyam Information Technology Pvt. Ltd.	3 LPA
16	113320104093	SURYA P	Tech Mahindra	3.5 LPA
17	113320104094	SWARNESHWAR V S	Fusion Practices	4.5 LPA
18	113320104101	VENATI YASWANTH	CADS Software	3.4 LPA
19	113320104104	VIGNESH T	Fusion Practices	4.5 LPA



## **STUDENT ACHIEVEMENTS**



Student Achievement: Alaganeni Sumi

Batch: CSE 2025

We are proud to announce that Alaganeni Sumi from the CSE 2025 batch has secured an All India Rank of 142 in the NOAT Contest organized by Naukri. This remarkable achievement reflects Sumi's hard work, dedication, and proficiency in the competitive landscape of job recruitment.

The NOAT Contest, which tests various skills and knowledge essential for professional success, has recognized Sumi's exceptional talent among a vast pool of participants from across the country. This accomplishment not only highlights Sumi's individual capabilities but also enhances the reputation of our department.

Congratulations to Alaganeni Sumi on this outstanding achievement! We look forward to seeing continued success in her future endeavors.

## **EXTRA CURRICULAR ACTIVITIES**



### Extracurricular Activities Achievement: CSE Students Excel in Sports

The Computer Science Engineering (CSE) students have demonstrated exceptional talent and teamwork by clinching the overall trophy from the Department of Physical Education. This achievement is a testament to their dedication and prowess in various sports and games.

Throughout the event, the CSE students participated enthusiastically, showcasing their skills in multiple disciplines and securing top positions in various competitions. Their outstanding performance not only earned them individual accolades but also contributed to the overall success of the department.

This victory reflects the spirit of camaraderie and competitive excellence among our students, encouraging participation in extracurricular activities alongside their academic pursuits. Congratulations to the CSE students for this remarkable achievement, and we look forward to their continued success in future competitions!