



Approved by AICTE, Affiliated to Anna University

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECH PULSE

Newsletter

ACADEMIC YEAR
2023-2024

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE INSTITUTE



To be a pioneer in engineering and management education by providing amicable ambience and being a centre for learning thereby perpetuating versatile professionals in engineering and management suitable for industry, higher education and research.

MISSION OF THE INSTITUTE



Building infrastructure that earmarks the institution to be the most preferred educational destination and provides the right ambience for creative and innovative teaching - learning process. Enabling learners to broaden their horizon and helping to meet global challenges.

VISION OF THE DEPARTMENT



To build competent industry ready professionals to largely contribute the society, by imparting the knowledge in the domain of Computer Science and Business Systems with managerial skills, human and social values.

MISSION OF THE DEPARTMENT



1. Educating students with the background of fundamentals, stretching their imagination to meet the challenges in the field of computer science and Engineering.
2. Transforming the Emerging technology to the young minds by effective teaching learning process.
3. Imparting the self-learning ability, leadership and managerial quality to the students

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Graduates of Computer Science and Engineering Program will

1. Achieve a successful profession with good knowledge in Computer Science and Engineering to meet the demands of industry.
2. Become morally responsible engineers and contribute to the betterment of society.
3. Possess required skills and leadership qualities which will make them to be a continuous learner.

PROGRAM OUTCOMES (POs)

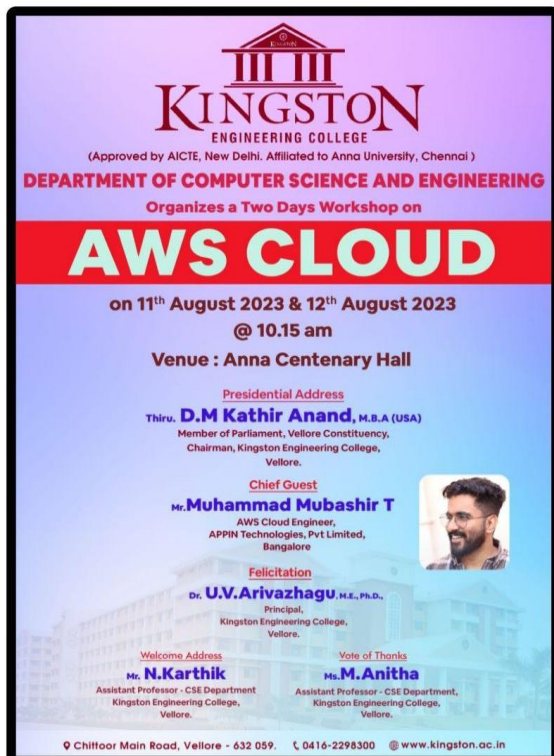
Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage independent and life-long learning in the broadest context of technological change

WORKSHOP

The two-day workshop on AWS Cloud, which took place on the 11th and 12th of August 2023, proved to be a comprehensive and engaging learning experience. The workshop was expertly led by Mr. Muhammad Mubashir T, an experienced AWS Cloud Engineer from APPIN Technologies Pvt. Limited, Bangalore. Participants gained in-depth knowledge of AWS services, best practices, and hands-on experience in cloud computing.



KINGSTON
ENGINEERING COLLEGE
(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai.)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes a Two Days Workshop on
AWS CLOUD
on 11th August 2023 & 12th August 2023
@ 10.15 am
Venue : Anna Centenary Hall

Presidential Address
Thiru. **D.M Kathir Anand, M.B.A (USA)**
Member of Parliament, Vellore Constituency,
Chairman, Kingston Engineering College,
Vellore.

Chief Guest
Mr. **Muhammad Mubashir T**
AWS Cloud Engineer,
APPIN Technologies, Pvt Limited,
Bangalore

Felicitation
Dr. **U.V.Arivazhagu, M.E., Ph.D.,**
Principal,
Kingston Engineering College,
Vellore.

Welcome Address
Mr. **N.Karthik**
Assistant Professor - CSE Department
Kingston Engineering College,
Vellore.

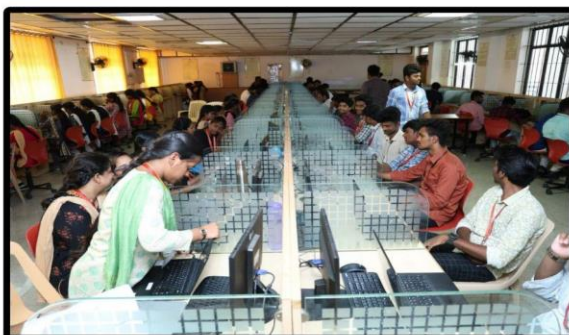
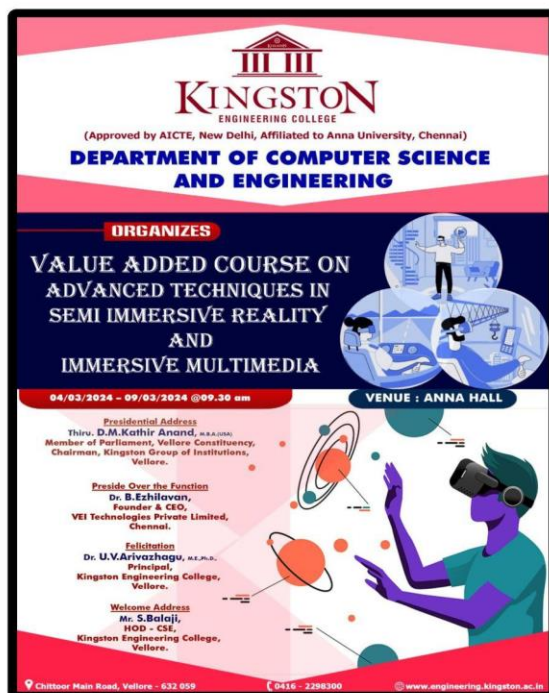
Vote of Thanks
Mr. **M.Anitha**
Assistant Professor - CSE Department,
Kingston Engineering College,
Vellore.

Chittoor Main Road, Vellore - 632 059. ☎ 0416-2298300 @ www.kingston.ac.in



Value-added course

The value-added course on advanced techniques in semi-immersive reality and immersive multimedia, held from March 4th to March 9th, 2024, was led by **Dr. B. Ezhilavan**, the esteemed Founder and CEO of VEI Technologies Private Limited, Chennai. Dr. Ezhilavan brought a wealth of experience to the course, combining deep academic knowledge with hands-on industry expertise. Participants had the unique opportunity to learn cutting-edge techniques directly from a leading figure in the industry, exploring both the theoretical foundations and practical applications of immersive technologies. This intensive course was designed to equip attendees with the skills necessary to innovate and excel in the rapidly evolving domains of semi-immersive reality and immersive multimedia.



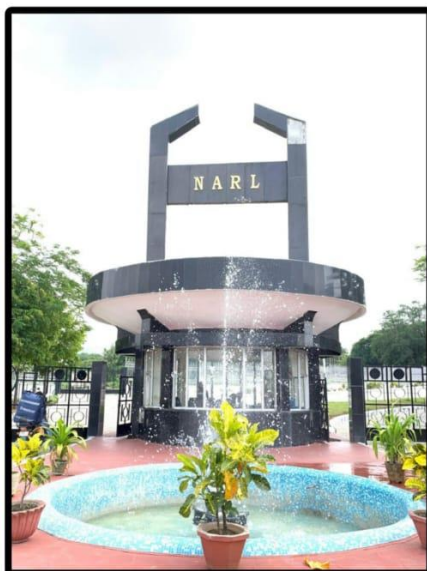
COMPETITION

Dr. M.G.R. Educational and Research Institute was proud to present this Certificate of Appreciation to Mr. Pulluru Bhavith from the Department of Computer Science Engineering. His outstanding performance in the Project-Expo event at KALAM'22 - DIGITRA, held on the 19th and 20th of September 2022, earned him the prestigious First Place award. This achievement reflected his innovative thinking, technical expertise, and dedication to excellence. His success brought great honor to the Department of Computer Science Engineering and served as an inspiration to his peers. The Department of Electronics and Communication Engineering congratulated Mr. Bhavith on this remarkable accomplishment and wished him continued success in his future endeavors.

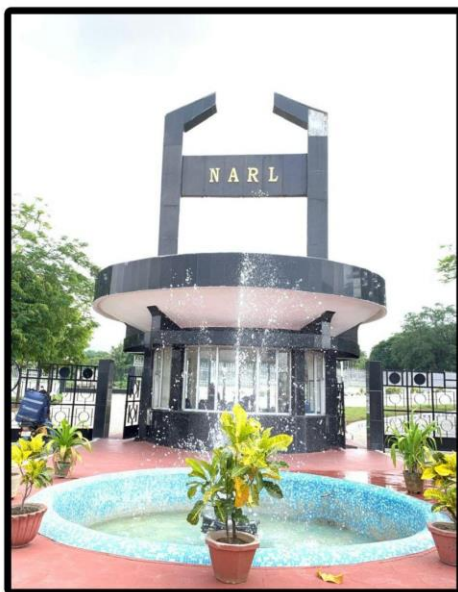


INDUSTRIAL VISIT

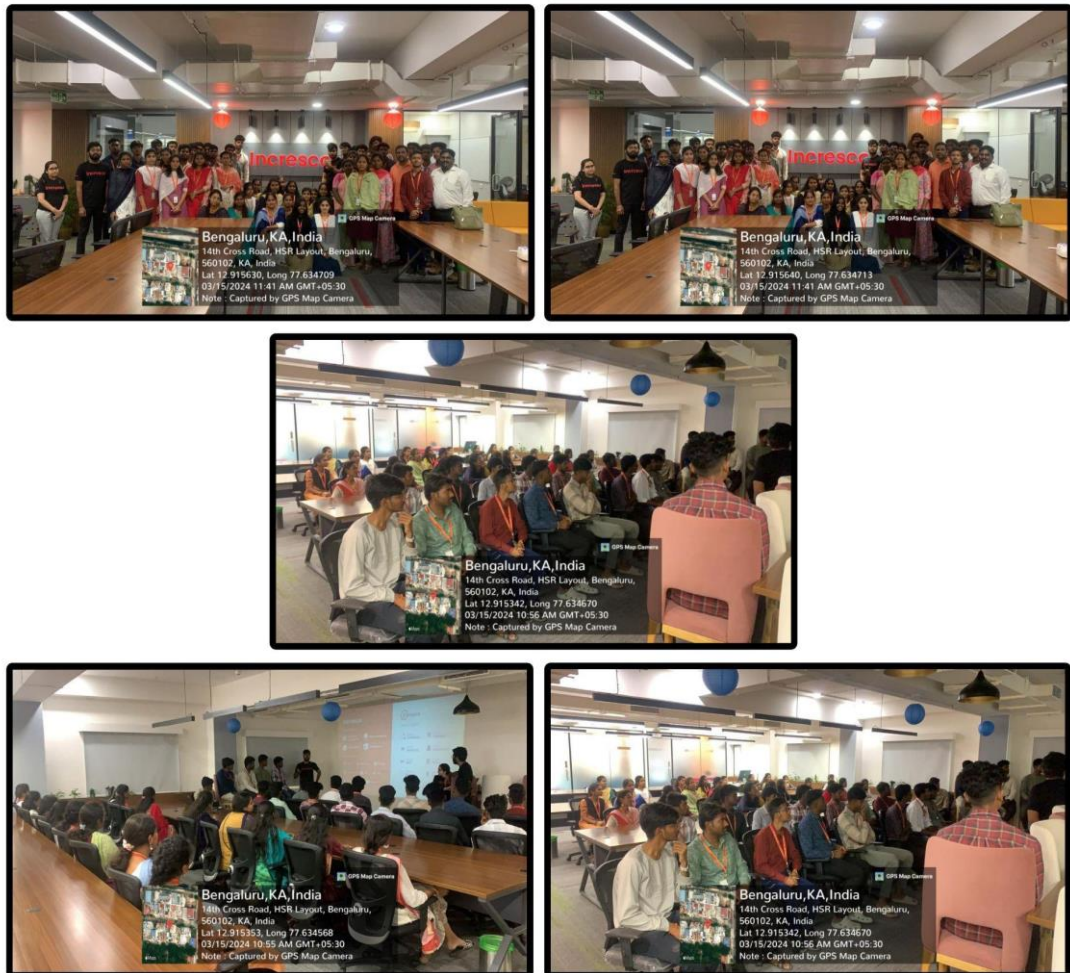
An industrial visit for the II-year CSE (B Sec) students to the National Atmospheric Research Laboratory (NARL) at the SVU Campus in Panapakkam, Tirupati, Andhra Pradesh, took place on 06-10-2023. The visit provided a hands-on learning experience, allowing the students to explore advanced technologies used in atmospheric data collection and analysis. They also had the opportunity to interact with researchers, gaining a deeper understanding of the real-world applications of their classroom knowledge, particularly in areas such as climate monitoring, weather prediction, and environmental science.



Industrial visit for II year CSE (A Sec) students at National Atmospheric Research Laboratory (NARL),SVU Campus , Panapakkam,Tirupati, Andhra Pradesh Visited on 02-10-2023.The visit offered a hands-on learning experience, allowing the students to explore advanced technologies used in atmospheric data collection and analysis. They also had the chance to interact with researchers, gaining a deeper understanding of the real-world applications of their classroom knowledge, especially in areas like climate monitoring, weather prediction, and environmental science.

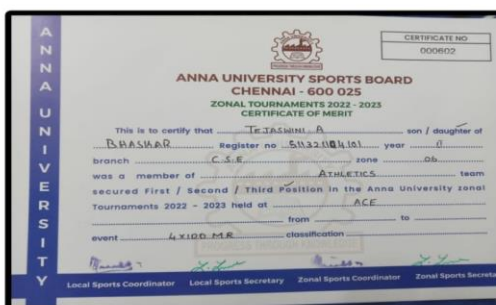


Industrial visit for III year CSE (B Sec) students at Incesco Technology Solutions Private Limited Bengaluru Visited on 15-03-2024. The visit offered us a comprehensive overview of their diverse operations, from software development and IT consulting to advanced solutions in artificial intelligence and machine learning. The experienced professionals at Incesco provided detailed explanations of their processes, showcasing real-world applications of the technologies and also inspired us to pursue excellence in our future careers.



STUDENTS -EXTRA CURRICULAR ACTIVITIES

- Certificate of Merit - Anna University Sports Board.
 1. First Place Awarded to Mr. Pugazhvendhan. M from the CSE branch of Kingston Engineering College. Recognized as a team member of Athletics event 4x100 for the Zonal Tournaments.
 2. First Place Awarded to Mr. Pugazhvendhan. M from the CSE branch of Kingston Engineering College in the Athletics event 200mts.
 3. Third Place Awarded to Tejaswini. A from the CSE branch of Kingston Engineering College in the Athletics event 400mts...etc,
- Certificate of Appericiation - Mrs. Pavithra. K from the CSE branch of Kingston Engineering College has secured 2nd Place with CGPA of 9.0 and for the successful completion of Network Essential course under Naan Mudhalavan Scheme.



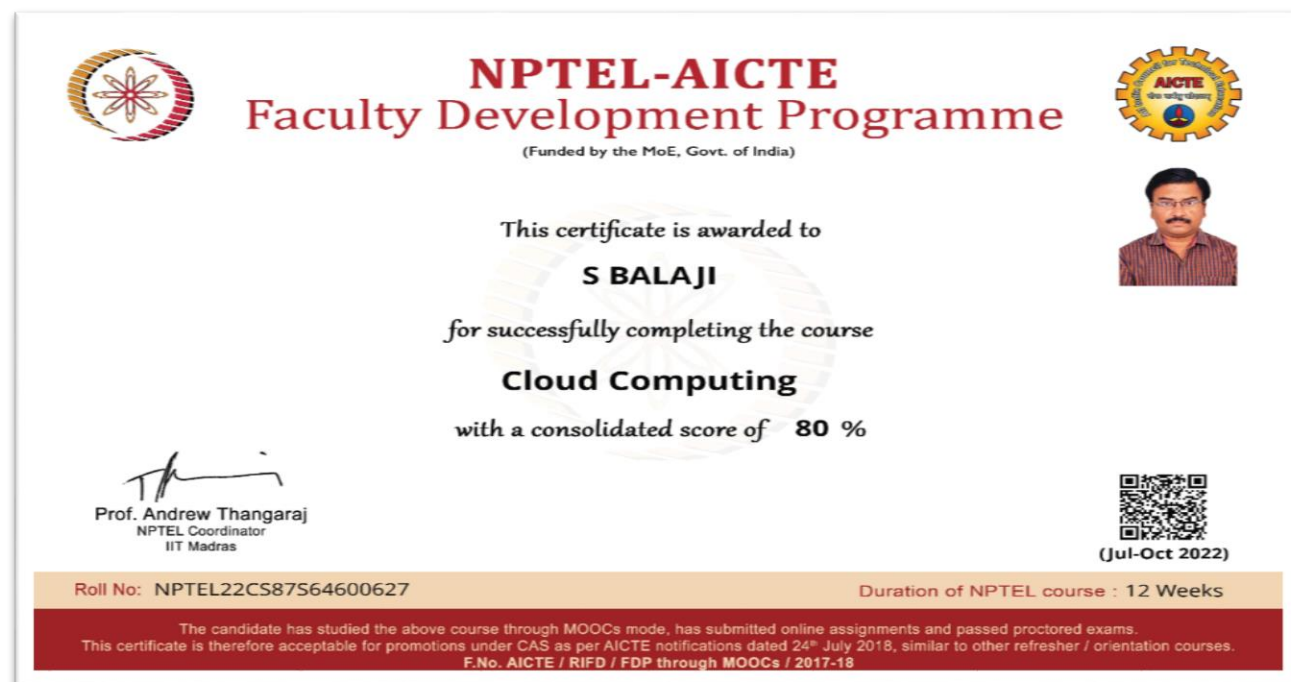
STUDENTS JOURNAL

S.No	Name of the Author	Title of the Paper	Name of the journal	Vol No/ Issue No	Page No	Month	Year of publication
2023-2024							
1	B. Sujai Mathew	A Holistic Approach on Airfare Price Prediction using Machine Learning Techniques	IRJAET	9/6	1-14	Dec	2023
2	M Sugavanam	Joint Communication and Sensing toward 6G Models and potential of using MIMO	IRJAET	9/6	15-24	Dec	2023
3	V Vishal	A Novel Machine Learning Approach for Android Malware Detection based on the Coexistence of Features	IRJAET	9/6	25-34	Dec	2023
4	V Vishal	Feature Engineering Techniques for effective Heart Disease Prediction using Block Chain	IJIRMET	9/3	286-289	Apr	2024

5	M Sugavanm	SDN Enabled Employee's Novel security survival with quantum key distribution	IJIRMET	9/3	280- 285	Apr	2024
6	B Sujai Mathew	Machine Learning based Learning Effect Prediction for improving student information Literacy	IJIRMET	9/3	290- 294	Apr	2024

FACULTY FDP ATTENDED









Wipro Certified Faculty Program

CERTIFICATE

AWARDED TO

K.H.Gayathri

For participating in the training program on .NET Full Stack conducted by
TalentNext from 24-June-2024 to 12-July-2024

A handwritten signature in black ink, appearing to read "Bibhuti Patnaik".

Bibhuti Patnaik
General Manager
Global Head - Talent Skilling
Wipro Limited

12-July-2024

NPTEL COURSES COMPLETED

Sl.No	Academic Year	Name of the Student	Curricular/Extra Curricular Activity	Participation/Winning Details
1	2023-24	YUVAN PRAKASH P	NPTEL-PROGRAMMING IN JAVA	Successfully completed
2	2023-24	PRAVEEN KUMAR S	NPTEL-PROGRAMMING IN JAVA	Successfully completed
3	2023-24	SNEHA B	NPTEL-PROGRAMMING IN JAVA	Successfully completed
4	2023-24	RANJITHA S	NPTEL-PROGRAMMING IN JAVA	Successfully completed
5	2023-24	YUVARANJANI R	NPTEL-PROGRAMMING IN JAVA	Successfully completed
6	2023-24	JANANI A	NPTEL-PROGRAMMING IN JAVA	Successfully completed
7	2023-24	LEKHA PRIYADARSHINI KP	NPTEL-DISTRIBUTED SYSTEMS	Successfully completed
8	2023-24	DAYANA S	NPTEL-DISTRIBUTED SYSTEMS	Successfully completed
9	2023-24	SANJAY P	NPTEL-MACHINE LEARNING	Successfully completed
10	2023-24	SOWMIYA H	NPTEL-MACHINE LEARNING	Successfully completed
11	2023-24	MONIKA R	NPTEL-CLOUD COMPUTING	Successfully completed