

COMPUTER SCIENCE AND ENGINEERING

JULY- DECEMBER-2023-VOL. I ; ISSUE 1



KARPAGAM COLLEGE OF ENGINEERING

VISION

To become one of the best institutions at the National and International level by incorporating innovative teaching - learning methods to enable the students to secure a high-value career, motivate to pursue higher education and research to serve the society

MISSION

To bring out knowledgeable engineers and professionals in their field of specialization by having qualified and trained faculty members and staff besides necessary infrastructure and to create highly conducive teaching and learning environment .

To work in close association with stakeholders by way of enhanced industry – institute interaction, to take up need based research and industry specific programmes.

To organize co-curricular and extracurricular activities for character and personality development to produce highly competent and motivated engineers and professionals to serve and lead the society.

Editorial Committee

- **College Level**

Chief Editor:

Dr. M. Jaiganesh, HoD / CSD

- **Department Level**

Chief Editor:

Dr. Ravichandran T HoD / CSE

Editor:

Ms. Mariyammal C, AP/CSE

Co-Editor:

Mr. Prathive K C, IV year/CSE

Mr. Saivishwa R II year/CSE

VISION & MISSION OF THE DEPARTMENT

VISION

To create computer professionals with a strong academic and technical background to achieve special distinction at the national and international arena and also to serve and lead the society.

MISSION

- Providing excellent learning opportunities for students in Computer Science and Engineering to meet the wholesome needs of the Nation.
- Establishing centers for research in areas of immediate needs to the society.
- Develop ICT based solutions for the growth of the nation.

MoU signed with Industries-Department Level



ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE), was established in the year 2000 and it offers four year undergraduate program in Computer Science and Engineering with an intake of 180. The BE CSE programme is permanently affiliated to Anna University, Chennai.

The department has well-qualified and Experienced Faculty members to keep the students fine-tuned and for the requirements of the ever-changing world of IT industry. The department is bagged with State of the art and Spacious Laboratories. The programme aims to impart high quality education through a well-designed curriculum paves the way for experiential learning in tune with the changing dynamics of the industry. Additionally, the department educate the students on the general principles of all the disciplines of computer engineering with the implementation of Outcome Based Education.

The department has generated fund from various government organizations like DST TNSCST and etc for promoting research activities and modernization. We regularly conduct Value Added Courses, Hands-on workshops and Technical Talks throughout the academic year in order to bridge the gap between the industry and the institute. The event helps the learners to enhance their skill set in the cutting edge technologies. Our students regularly participate in Design Contests and Conferences and bring laurels to the departments.

Students are encouraged and motivated to do Mini Projects, Online Courses such as NPTEL, Infosys Spring Board, Coursera, Udemy and Internships which are very much helpful during campus recruitment season. The alumni of our department are working with various reputed organizations across the globe, supporting their juniors in shaping their careers. It is a great strength to the department.

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2023 - July to December AWARDS

Speech

Mr.Chandramohan.K , Participated speech competition won First Prize conducted on PSG Tech speech competition ,Coimbatore,2023,Perlis , From 17th October 2023 .



Anna university Zone Match-2023-2024

Ms.Harini.R,Ms.Nivetha M R,Ms.Sowndharya S won Rs.5000 in Volleyball Women conducted by Bannari Amman Institute of Technology, Sathayamangalam, From 9th October 2023 to 13th October 2023



2023 - July to December

AWARDS

11th EDITION OF INTERNATIONAL REASERCH AWARD

Dr.V.Vignesh Best Reseacher award on Science Health and Engineering SHEN 2023



FACULTY ACHIEVEMENTS

2023 - July to December

PUBLICATIONS

A New Application of WG-CNN Neural Network Approach Based on Early Flood Detection using Satellite Images, 2023.

AUTHOR: Dr. T. Ravichandran, Professor & Head/CSE

Enhanced Honey Badger Algorithm for Resource Allocation and Task Scheduling in Cloud Environment, 2023.

AUTHOR: Dr. T. Ravichandran, Professor & Head/CSE

Deep Learning-Based Feature Selection and Prediction System for Autism Spectrum Disorder using a Hybrid Meta-Heuristics Approach, 2023.

AUTHOR : Dr. S. Kannimuthu, Professor /CSE

An Adaptive Intelligent Polar Bear (AIPB) Optimization – Quantized Contempo Neural Network (QCNN) model for Parkinson's Disease Diagnosis using Speech Dataset, 2023.

AUTHOR: Dr. S. Kannimuthu, Professor /CSE

An In-Depth Analysis of Automated Health Monitoring System for Elderly Care, 2023

AUTHOR : Dr. S. Kannimuthu, Professor /CSE

Deep Learning Based Brain Tumor Detection via Fuzzy Hexagonal Membership Function, 2023.

AUTHOR : Dr. R. Kala, Associate Professor /CSE

FACULTY ACHIEVEMENTS

2023 - July to December

PUBLICATIONS

Hybrid Artificial Neural Network with Advanced Noctiluca Optimization for Activity Monitoring and Prognostic Study of Signals using EEG Signals, 2023.

AUTHOR :Dr. R.Kala, ASP /CSE

Cloud Load Balancing for Storing the Internet of Things using Deep Load Balancer with Enhanced Security, 2023

AUTHOR :Dr. Vignesh V, ASP/CSE

Fuzzified Swarm Intelligence Framework using FPSOR Algorithm for High Speed MANET-Internet of Things(IoT), 2023.

AUTHOR :Dr. Vignesh V, ASP/CSE

The realm of metaverse: A Survey, 2023.

AUTHOR :Dr.Arul Antron Vijay, Associate Professor /CSE

Cross-lingual Sentiment Analysis of Tamil Language Using a Multi-stage Deep Learning Architecture, 2023.

AUTHOR :Dr.Arul Antron Vijay, ASP /CSE

A Comprehensive Analysis of Autism Spectrum Disorder Using Machine Learning Algorithms :Survey, 2023

AUTHOR :Ms.Arthi D, AP/CSE

FACULTY ACHIEVEMENTS

2023 - July to December

PUBLICATIONS

**Cross-lingual Sentiment Analysis of Tamil Language Using a Multi-stage Deep Learning Architecture, 2023.
AUTHOR :Dr.Arul Antron Vijay, ASP /CSE**

The realm of metaverse: A Survey, 2023. AUTHOR :Dr.Arul Antron Vijay, Associate Professor /CSE

**Investigation of LSSVM and RBFNN-based Techniques for Intrusion Detection Systems for IoT Networks, IEEE PUBLISHER 2023
AUTHOR :Dr. K.Subhashree, AP /CSE**

**A Comprehensive Analysis of Autism Spectrum Disorder Using Machine Learning Algorithms :Survey, 2023
AUTHOR :Ms.Arthi D, AP/CSE**

NPTEL STARS

Dr.S.Kannimuthu

2023 - July to December

Data Structures and Algorithms with Java

ELITE+GOLD & TOPPER 1%



Ms.D.Arthi

Introduction to Algorithms and Analysis

ELITE+GOLD & TOPPER 1%



Ms.G.Sharmila

Big Data Computing

ELITE+GOLD



Mr.Antony Vijay

Programming in Java

ELITE+SILVER & TOPPER 5%



NPTEL STARS

Dr.S.Sangeetha

2023 - July to December

Introduction to Internet of Things

ELITE+SILVER



Dr.D.PRABAKAR

Introduction to Internet of Things

ELITE+SILVER



Ms.M.UMADEVI

Introduction to Internet of Things

ELITE+SILVER



Dr.R.Kala

Accreditation and OBE Based Learning

ELITE



NPTEL STARS

Dr.P.SENTHIL

2023 - July to December

**Cloud Computing
ELITE**



Dr.S.ZULAIKHA BEEVI

**Cloud Computing
Elite**



Dr.S.ARUL ANTRAN VIJAY

**Operating System Fundamentals C
Elite**



Ms.C.V.VIDYA PRABHA

**CLOUD COMPUTING C
Elite**



NPTEL STARS

Mr.S.RAMARAJ

2023 - July to December

**Problem solving through programming in c
Elite**



Ms.C.Mariyammal

**Introduction to Operating Systems
Successfully Completed**



Mr.S.VASANTHAKUMAR

STUDENTS

**Data Structures and Algorithms Using Java
ELITE + GOLD**



Mr.S.DINAKAR

**Data Structure And Algorithms Using Java
ELITE + GOLD**



Ms.T.DARSHINI

2023 - July to December

Data Structure And Algorithms Using Java
Elite + Silver



Ms.A.R.HASANA

Data Structure And Algorithms Using Java
Elite + Silver



Ms.S.PARVEEN BANU

Data Structure And Algorithms Using Java
Elite+Silver



Mr.J.SAMUEL STEWARD

Data Structure And Algorithms Using Java
Elite+Silver



NPTEL STARS

Ms.S.SARANYA

2023 - July to December

Data Structure And Algorithms Using Java

Elite + Silver



Ms.N.VARSHENI

Data Structure And Algorithms Using Java

Elite + Silver



Mr.R.VISHNU VIJAYAN

Data Structure And Algorithms Using Java

Elite+Silver



Mr.R.B.YOGESHWARAN

Data Structure And Algorithms Using Java

Elite+Silver



Ms.G.SWATHIKA

2023 - July to December

Data Structure And Algorithms Using Java

Elite + Silver



Ms.A.PAVITRA

Data Structure And Algorithms Using Java

Elite + Silver



Mr.M.GOKULKANNAN

Data Structure And Algorithms Using Java

Elite+Silver



Mr.S.MANOJKUMAR

Data Structure And Algorithms Using Java

Elite+Silver



NPTEL STARS

Mr.R.SATHIS

2023 - July to December

Data Structure And Algorithms Using Java
Elite + Silver



Ms.M.R.NIVETHA

Data Structure And Algorithms Using Java
Elite + Silver



Ms.S.VARSHINI

Data Structure And Algorithms Using Java
Elite+Silver



Mr.M.AJMAL KHAN

Technology Transfer Through Joint Venture
Elite+Silver



NPTEL STARS

Mr.M.NAVEEN KUMAR

2023 - July to December

Problem Solving Through Programming In C
ELITE + SILVER



Ms.S.Santhiya

Problem Solving Through Programming In C
ELITE + SILVER



Mr.M.SITHAARTH

Introduction to Machine learning
ELITE + SILVER



Mr.S.DEEPAKKUMAR

Introduction to Internet of Things
ELITE + SILVER



Ms.S.INDU

2023 - July to December

Problem Solving Through Programming In C

ELITE + SILVER



Mr.T.PATHMANABAN

Introduction to Internet of Things

ELITE + SILVER



Ms.R.SHAKTHI

Introduction to Internet of Things

ELITE + SILVER



Ms.S.SUBATHRA

Problem Solving Through Programming In C

ELITE + SILVER



NPTEL STARS

2023 - July to December

Mr.S.GOWTHAMAN

**Programming In Java
Elite**



Mr.P.KOUSIKKUMAR

**Programming In Java
Elite**



Mr.V.ABINATH

**Programming In Java
Elite**



Mr.G.RABISHEK

**Programming In Java
Elite**



Mr.T.MAHADHEVAN

2023 - July to December

**Programming in Java
Elite**



Mr.K.SANJAY

**Programming in Java
Elite**



Ms.R.PRITHIGA

**Data Structure And Algorithms Using Java
Elite**



Ms.J.ARTHIKA

**Data Structure And Algorithms Using Java
Elite**

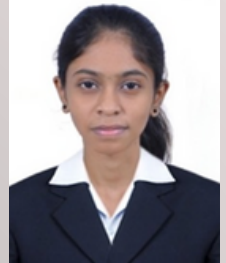


Ms.J.K PADMAPRIYA

2023 - July to December

Data Structure And Algorithms Using Java

Elite



Mr.K.THARANITHARAN

Data Structure And Algorithms Using Java

Elite



Mr.S.DHANUSKODI

Data Structures and Algorithms using Java

Elite



Ms.S.ABINAYA

Problem Solving Through Programming In C

Elite



Ms.K.BAVATHAARINI

2023 - July to December

Problem Solving Through Programming In C

Elite



Mr.S.MALLIPRASATH

Problem Solving Through Programming In C

Elite



Ms.R.SOWMYA

Problem Solving Through Programming In C

Elite



Mr.R.VISHAL

Problem Solving Through Programming in C

Elite



Ms.VISHNU PRIYA

2023 - July to December

**Problem Solving Through Programming In C
Elite**



Ms.M.KAARUNYA

**Problem Solving Through Programming In C
Elite**



Mr.S.NARESH KUMAR

**Problem Solving Through Programming In C
Elite**



Ms.M.YASHICA

**Problem Solving Through Programming In C
Elite**



Ms.S.SHALINI

2023 - July to December

**Problem Solving Through Programming In C
Elite**



Mr.R.PKEERTHI VASAN

**Design Thinking -A Primer
Elite**



Mr.V.P.BARANE KUMAR

**Introduction to Machine Learning
Elite**



Ms.A.HARINISRI

**Introduction to Machine Learning –IITKGP
Elite**



NPTEL STARS

Mr.B.MOHAMMED SUBEER

2023 - July to December

**Enhancing Soft Skills and Personality
Elite**



Mr.P.SAKTHISIVABALAJI

**Introduction to Machine Learning
Elite**



Ms.V.VANITHA

**Soft Skill Development
Elite**



Mr.B.ARUN PRASATH

**Soft Skill Development
Elite**



Mr.M.HARSHAVARDHAN

2023 - July to December

Python For Data Science

Elite



Mr.S.MANOJ KUMAR

Internet of Things

Elite



Mr.P.RAJKUMAR

Introduction to Internet of Things

Elite



Mr.T.SANTHOSH

Introduction to Internet Of Things

Elite



Mr.D.YASWANTH

2023 - July to December

Python for Data Science
Elite



Ms.S.VIDHARSHANA

Soft Skill Development
Elite



Ms.J.BENITTA ROSE

Soft Skill Development
Elite



Mr.R.M.DARSHAN

Problem Solving Through Programing In C
Successfully Completed



Ms.S.DHARSHINI

2023 - July to December

Problem Solving Through Programing In C
Successfully Completed



Mr.C.GOWSHIKKUMAR

Problem Solving Through Programing In C
Successfully Completed



Mr.R.P.HARIHARASUDEN

Problem Solving Through Programing In C
Successfully Completed



Mr.R.J.HARSHAK RAJ

Problem Solving Through Programing In C
Successfully Completed



Mr.S.KISHORE KUMAR

2023 - July to December

Problem Solving Through Programing In C
Successfully Completed



Ms.C.S.KRISHA

Problem Solving Through Programing In C
Successfully Completed



Mr.LOGAPRASATH

Problem Solving Through Programing In C
Successfully Completed



Mr.S.MONISHA

Problem Solving Through Programing In C
Successfully Completed



NPTEL STARS

Mr.S.PRANEET

2023 - July to December

**Problem Solving Through Programing In C
Successfully Completed**



Ms.K.PRIYA

**Problem Solving Through Programing In C
Successfully Completed**



Mr.K.SANTHOSH

**Problem Solving Through Programing In C
Successfully Completed**



Ms.T.VIDHYA

**Problem Solving Through Programing In C
Successfully Completed**



Ms.K.ABIRAMI

2023 - July to December

Problem Solving Through Programing In C

Successfully Completed



Mr.V.ARAVINTH

Problem Solving Through Programing In C

Successfully Completed



Ms.K.CHITHRA

Problem Solving Through Programing In C

Successfully Completed



Ms.S.NITHYA

Problem Solving Through Programing In C

Successfully Completed



Ms.M.SNEHA

2023 - July to December

Problem Solving Through Programing In C
Successfully Completed



Mr.M.KALAIYARASAN

Problem Solving Through Programing In C
Successfully Completed



Ms.R.T.NANDINI

Problem Solving Through Programing In C
Successfully Completed



Ms.K.SAKTHIPRIYA

Problem Solving Through Programing In C
Successfully Completed



Ms.P.SOWMYA

2023 - July to December

**Problem Solving Through Programing In C
Successfully Completed**



Ms.K.PRISHA

**Problem Solving Through Programing In C
Successfully Completed**



Mr.S.MATHAN KUMAR

**Programming in Java
Successfully Completed**



Mr.MIDHUN MURALI

**Programming in Java
Successfully Completed**



Mr.K.SURYA VISHNU

2023 - July to December

Programming in Java

Successfully Completed



Mr.S.GUNASEELAN

Programming in Java

Successfully Completed



Mr.S.BHUVANESH

Programming in Java

Successfully Completed



Mr.K.KANISH KIRTHIK

Introduction to Algorithms And Analysis

Successfully Completed



Mr.V.M.ARTHEESH

2023 - July to December

**Introduction to Machine Learning
Successfully Completed**



Ms.S.MONISHA

**Technology Transfer Through Joint Venture
Successfully Completed**



Mr.A.SAKTHI KUMAR

**Cloud Computing
Successfully Completed**



Mr.S.SHANTHOSH

**Introduction to Machine Learning
Successfully Completed**



NPTEL STARS

Ms.V.L.SWETHA

2023 - July to December

Soft Skill Development

Successfully Completed



PATENTS

2023- July to December

Faculty Name: Dr.T.Ravichandran



Dr.T.Ravichandran has published a patent titled **“A Novel Statistical Hypothesis Technique for Quality Control and Quality Assurance in Applied Soil Microbiology and Biochemistry”** on 18th August, 2023

Dr.T.Ravichandran has published a patent titled **“A Systematic Statistical Measurement of the Effect of Stocktaking on Business Performance in Small and Medium Enterprises”** Application number: 2202311033210 on 28th July, 2023

Dr.T.Ravichandran has published a patent titled **“IoT Driven Parking Availability Prediction in Smart Cities using Machine Learning”** Application number: 202341055687 on 01st September, 2023

PATENTS

2023- July to December

Faculty Name: Dr.S.Kannimuthu



Dr.S.Kannimuthu has published a patent titled **“Robot Based On Artificial Intelligence for Guiding and Providing Real Time Conversation with User”** Application number: 202341079921 on 17th August, 2023

Faculty Name: Dr.D.Prabakar



Dr.D.Prabakar has published a patent titled **“An Analytics Interface for Providing Cyber Threat Detection and Security System”** Application number: **202341049516** on 01st September, 2023

Dr.D.Prabakar has published a patent in journal titled **“IoT based AI System for Analysing the Impact of Reduced Speed Limits on Urban Highway”** Application number: 202341054747 on 1st September, 2023

Dr.D.Prabakar has received grant certificate of patent titled “**IOT and AI Based Driver Drowsiness Detecting Device**” Application number: 394632-001 on 08th December, 2023

Faculty Name:Dr.S.Sangeetha



Dr.S.Sangeetha has published a patent titled “**Multi-Sensor Vehicle Positioning System Employing Shared Data Protocol**” Application number: 202321055491 on 01st September, 2023

Dr.S.Sangeetha has published a patent titled “**Image Based Automated Measurement Model to Predict PEL VIC Organ Prolapse**” Application number: 202311072507 on 24th November, 2023

PATENTS

2023- July to December

Faculty Name: Dr.S.Zulaikha Beevi



Dr.S.Zulaikha Beevi has published a patent titled “**Traffic Sign and Motion Recognition using Deep Learning for Unmanned Vehicles**” Application number: 202321055531 on 06th October, 2023

Faculty Name: Dr.PM.ArunKumar



Dr.PM.ArunKumar has published a patent titled “**Artificial Intelligent Based Smart Conversational Robot to Assist Blind People of all Ages using Cloud and Machine Learning Algorithms**” Application number: 202321048693 on 29th September, 2023

Faculty Name: Ms.D.Arthi



Ms..D.Arthi has published a patent titled “**Design System of Speed Behavior of Heterogeneous Traffic on Two Lane Rural Roads using IoT**” Application number: 202341054443 on 01st September, 2023

PATENTS

2023- July to December



Faculty Name:Dr.V.Vignesh



Dr.V.Vignesh has published a patent titled “**Driving Assistance System using Machine Learning**” Application number: 202341056377 on 01st December, 2023

Dr.V.Vignesh has published a patent titled “**A New Adaptive Routing Protocol for Internet of Things in Mobile Adhoc Networks**” Application number: 202341083003 on 29th December, 2023

Faculty Name:Ms.G.Sharmila



Ms.G.Sharmila has published a patent titled “**Image Processing and MCDM-Based Unsupervised Sentiment Analysis of Restaurant Reviews**” Application number: 202341061753 on 06th October, 2023

PATENTS

2023- July to December

Faculty Name:Ms.C.Mariyammal



Ms.C.Mariyammal has published a patent titled “**Driving Assistance System using Machine Learning**” Application number: 202341056377 on 01st December, 2023

Faculty Name:Mr.Antony Vijay



Mr.Antony Vijay has published a patent titled “**Smart Agriculture Robot with AI to identify Disease and Plant Health**” Application number: 202341054306 on 01st September, 2023

SEMINAR / WORKSHOP / FDPS / STTPS - PRESENTED / ATTENDED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FACULTY

WORKSHOP

TWO WEEK NATIONAL LEVEL VIRTUAL WORKSHOP ON “ADVANCED RESEARCH METHODOLOGY”

Dr.Ravichandran T,Dr.Bhuaneshwari KS,Dr.G Kalaimani,Dr.Arul Antran Vijay S,Dr.Arun Kumar PM,Ms.Subhashree K,Dr.Senthil P,Mr.Venkatesh R Participated in 15 days online workshop on “**Advanced Research Methodology**” held at **SRM Institute of science and technology**,from 03rd July 2023 to 18th July 2023.

5-DAYS AI & CLOUD WORKSHOP ON RESPONSIVE AI IN CLOUD

Dr.S.Sangeetha ,Gowthami.D Participated in 5 days online workshop on “**AI & CLOUD Workshop on responsive AI in cloud**” held at **Tech Saksham** ,from 21st August 2023 to 25th August 2023.

5 -DAYS INTERNATIONALWORKSHOP ON “COMPUTATIONAL INELLIGENCE “

Dr. S.Zulaikha Beevi Participated in 5 days online workshop on “**ComputationalInelligence** ” held at **AMRITA VISHWA VIDYA PEETHAM School of Intelligence** ,from 07th August 2023 to 11th August 2023.

SEMINAR / WORKSHOP / FDPS / STTPS - PRESENTED / ATTENDED 2023 - July to December



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING WORKSHOP

11-DAY INTERNATIONAL WORKSHOP ON “CYBER SECURITY”

Ms.Udaya Nirmala ,Ms.Subhashree K,Ms.PonHiniya D SlyviaMary R, Ms.Kanimozhi M,Mr.Venkatesh R,Ms.Uma Devi M,Mr.Kanagasabapathi K Participated in 11-days online workshop on “**Cyber Security**” held at Dwaraka Doss Goverdhan Doss Vaishnav College,**from 07th August 2023 to 22nd August 2023.**

1-DAY INTERNATIONAL WORKSHOP ON “AMRITA VIRTUAL LABS”

Ms.Mariamammal .C.Ms.Sharmila G,Ms.Vidya Prabha CV Participated in 1-day workshop on “**AMRITA VIRTUAL LABS** ” held at **Amrita Vishwa Vidya Peetham, 17th July 2023.**

FDP

ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON CLOUD INFRASTRUCTURE”

Dr.Prabakar D, Dr.Arun Kumar PM,Dr. Vignesh G ,Ms.Aarthi D,Sharmila G,Rajapriya D ,Ms.Vidya Prabha CV,Ms.Uma Devi M,Ms.Mariamammal .CParticipated in 6 days online FDP on “**Cloud Infrastructure**” held at **Brainovision Solutions India Pvt Ltd,from 21st August 2023 to 25th August 2023.**

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP

6-DAYS FACULTY DEVELOPMENT PROGRAMME ON “MACHINE LEARNING AND ITS APPLICATIONS”

Dr.Prabakar D,Ramamani .S,Ms.Nandhini.R ,Mr.Ramaraj.S Participated in 6-days online FDP on “**Machine Learning and its Applications**” held at **KIT – Kalaigarkarunidhi Institute of technology**,from 24th July 2023 to 29th July 2023.

10-DAYS MACHINE LEARNING IN THE AI: ALGORITHMS, MODEL AND BEYOND“

Dr.Arun Kumar PM, Participated in 10-days online FDP on “**Machine Learning in the AI: Algorithms, Model and Beyond**” held at **KPR Institute Of Engineering and Technology** ,from 21st August 2023 to 01st September 2023.

ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON “ARTIFICIAL INTELLIGENCE AND ITS APPLICATIONS”

Dr.Chitra Devi N,Dr.Sangeetha S ,Ms.Aarthi D,Ms. Kalamani P,Sasikala R,Ms.PonHiniya D Slyvia ,Mr.S.Ramaraj Participated in 6 days online FDP on “**Artificial Intelligence and its Applications**” held at **Chalapathi Institute of Technology**,from 03rd July 2023 to 8th July 2023.

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP

5-DAYS FDP ON ANDROID BASICS WITH COMPOSE

Mr.Antony Vijay J,Ms.Aarthi D ,Participated in 5-days online FDP on “**Android Basics with Compose**” held at **ICT ACADEMY** ,from 28th August 2023 to 02st September 2023.

1-DAY FDP ON “ A HIGH IMPACT INDUSTRY INTERACTION EVENT OF INDIA“

Ms.Aarthi D ,Participated in 1-days online FDP on “**A High Impact Industry Interaction Event of India**” held at **ICT ACADEMY** ,7th September 2023.

5-DAYS FDP ON ANDROID BASICS WITH COMPOSE

Mr.Antony Vijay J ,Participated in 5-days online FDP on “**Recent research Trends in smart technologies**” held at **Amity School of Engineering and technology** ,from 31st July 2023 to 04th August 2023.

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FDP

5-DAYS FDP ON MODERN RESEARCH CONVERGENCE IN NEXT GENERATION COMPUTING

Mr.S.Ramaraj, Ms.C.Mariyammal Participated in 5-days online FDP on “Modern Research Convergence in Next Generation Computing” held at **Sri Krishna college of Engineering and Technology** ,from **18th December 2023 to 2nd December 2023**.

STTP

5-DAYS STTP ON “MACHINE LEARNING AND DEEP LEARNING“ON “MACHINE LEARNING AND DEEP LEARNING“

Dr.G Kalaimani ,Dr. Zulaikha Beevi S Participated in 5-days online STTP on “**Machine Learning and Deep Learning**” held at **IEEE Madras Section –Care College of Engineering**,from **17th July 2023 to 21st August 2023**.

SEMINAR/ WORKSHOP / FDPS / STTPS - PRESENTED / ATTENDED 2023 - July to December



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NPTEL FDP

DATA STRUCTURES AND ALGORITHMS WITH JAVA

Dr.S.Kannimuthu participated in (FDP NPTEL) **Data Structures and Algorithms with Java** held In NPTEL-FDP , July to October 2023.

PROGRAMMING IN JAVA

Mr.Anonty Vijay participated in (FDP NPTEL) **Programming in Java** held In NPTEL-FDP , July to October 2023.

INTRODUCTION TO ALGORITHMS AND ANALYSIS

Ms.D.Arthi participated in (FDP NPTEL) **Introduction to Algorithms and Analysis** held In NPTEL-FDP , July to October 2023.

BIG DATA COMPUTING

Ms.G.Sharmila participated in (FDP NPTEL) **Big Data Computing** held In NPTEL-FDP , July to October 2023.

INTRODUCTION TO INTERNET OF THINGS

Dr.S.Sangeetha participated in (FDP NPTEL) **Introduction to Internet of Things** held In NPTEL-FDP , July to October 2023.

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NPTEL FDP

INTRODUCTION TO INTERNET OF THINGS

Dr.D.Prabakar participated in (FDP NPTEL) **Introduction to Internet of Things** held In NPTEL-FDP , July to October 2023.

INTRODUCTION TO INTERNET OF THINGS

Ms.M.Umadevi participated in (FDP NPTEL) **Introduction to Internet of Things** held In NPTEL-FDP , July to October 2023.

ACCREDITATION AND OBE BASED LEARNING

Dr.R.Kala participated in (FDP NPTEL) **Accreditation and OBE Based Learning** held In NPTEL-FDP , July to October 2023.

CLOUD COMPUTING

Dr. P.Senthil participated in (FDP NPTEL) **Cloud Computing** held In NPTEL-FDP , July to October 2023.

CLOUD COMPUTING

Dr ZULAIKHA BEEVI S participated in (FDP NPTEL) **Cloud Computing** held In NPTEL-FDP , July to October 2023.

SEMINAR/ WORKSHOP / FDPS / STTPS - PRESENTED / ATTENDED 2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NPTEL FDP

OPERATING SYSTEM FUNDAMENTALS C

Dr.S.ARUL ANTRAN VIJAY participated in (FDP NPTEL) **Operating System Fundamentals C** held In NPTEL-FDP , July to October 2023.

CLOUD COMPUTING C

Ms.VIDYA PRABHA CV participated in (FDP NPTEL) **CLOUD COMPUTING C** held In NPTEL-FDP , July to October 2023.

PROBLEM SOLVING THROUGH PROGRAMMING IN C

Mr.RAMARAJ. S participated in (FDP NPTEL) **Problem solving through programming in c** held In NPTEL-FDP , July to October 2023.

SEMINAR/WORKSHOP / FDPS / STTPS - PRESENTED / ATTENDED

2023 - July to December



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT PARTICIPATION

HACKATHON

ALGOFEST SEASON 1 – CODING HACKATHON

Ms. Subathra S, Kishore B, Meganathan S, Godwin V, Denishree L, Mangalarajeswari R, Srinidhi A, Naresh Kumar S, Vidhya N Participated in Algofest Season 1 – Coding Hackathon conducted by **KIT-Kalaignarkarunanidhi Institute of Technology, Coimbatore, 2023**

TECHNICAL QUIZ

Mr. Kavin Prasath S, Muhil Kumaran N Won first prize in Technical Quiz **held In SNS College of Technology, Coimbatore, 2023.**

ELOCUTION COMPETITION

Mr. Chandramohan K participated in Elocution Competition **held In PSG College of Technology, Coimbatore, 2023.**

THE BUG BATTLE

Mr. Artheesh V M Won First Prize in The Bug Battle **held In Anna University Regional Campus, Coimbatore, 2023.**

MOU SIGNED

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sprout Knowledge solution

Department of Computer Science and Engineering conducted a Guest Lecture on “Are you ready to change the World ” and signed MOU with Sprout Knowledge solution on 02nd August 2023.

COORDINATORS:

Dr.V.Vignesh ASP/CSE

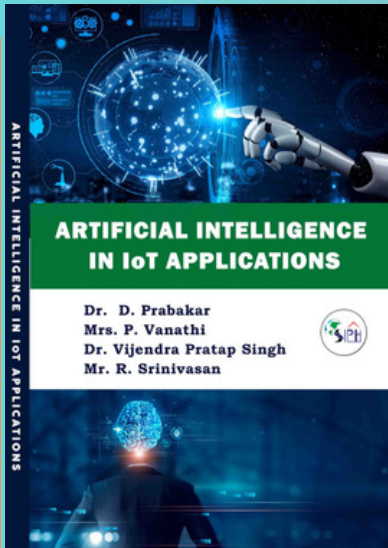
Nandha infotech

Department of Information Technology conducted a Workshop on “Insights on React & NodeJs for Web Application Development” and signed MOU with Nandha infotech on 22nd September 2023.

COORDINATORS:

Dr.V.Vignesh ASP/CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Artificial Intelligence in IoT Applications by Dr D PRABAKAR

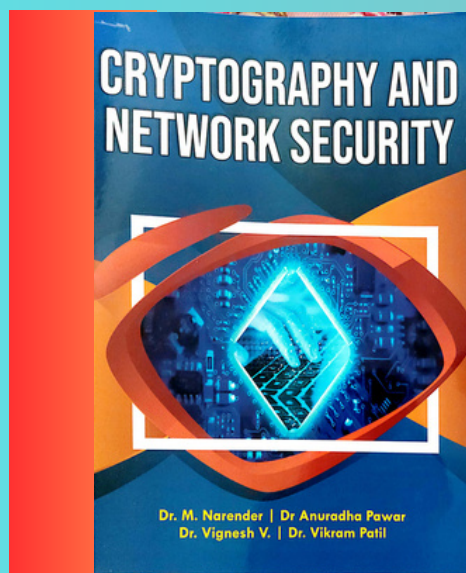
Technology such as the Internet of Things (IoT), big data, cloud computing, fog computing, edge computing, and blockchain can be a perilous factor when it comes to encouraging the integration of new technologies. Artificial Intelligence (AI) is an integral part of agricultural and industrial development.

This chapter describes the extensive evolution of AI and IoT. Researchers and practitioners will find this chapter essential for understanding AI and IoT, along with models, current status, future trends, and industrial development. There are a number of issues with AI, but overall, it is considered to be an advanced and revolutionary assistant in a wide range of fields. The purpose of this chapter is to present a comprehensive study on AIoT that explains the convergence of AI and IoT. Herein, we summarize some innovative AIoT applications that are likely too intense for our world.

BOOK PUBLICATIONS

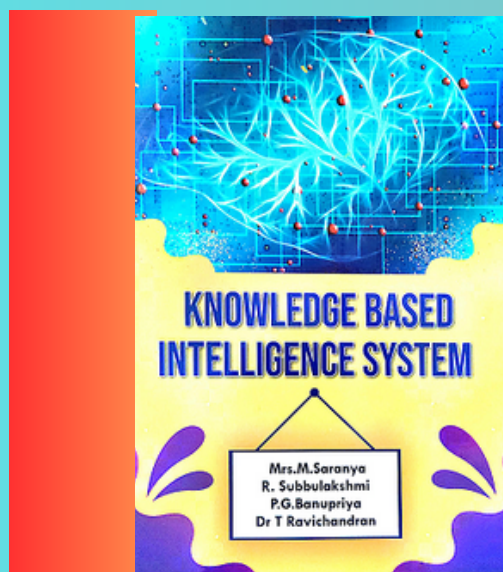
2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CRYPTOGRAPHY AND NETWORK SECURITY by Dr.V.Vignesh

In this book is an endeavor to demystify the complex and often enigmatic world of cryptographic algorithms, protocols, and network defence mechanisms. Through its pages, readers will embark on a journey that transcends the theoretical foundations to practical applications, providing a roadmap for securing information in an era where data breaches and cyber-attacks have become pervasive. The chapters within this volume traverse the historical roots of cryptography, from ancient ciphers to modern encryption techniques.



KNOWLEDGE BASED INTELLIGENCE SYSTEM by Dr.T.Ravichandran

This book delves into the realm of knowledge-based Intelligence Systems, exploring the intricate web of technologies, methodologies, and theories that underpin the development and deployment of intelligent systems. These systems, often referred to as Knowledge-Based Systems (KBS), represent a paradigm shift in how we approach problem-solving, decision-making, and learning in diverse domains. The journey through these pages begins with a comprehensive understanding of the fundamental concepts, principles, and architectures that form the backbone of Knowledge-based Intelligence Systems.

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2020-2024(batch) Final Students of Computer Science and Engineering have been Placed
Various Reputed Companies Upto 2023 July-December.

<i>S.NO</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
1	20P101	ABINANDHAN S	INFINITE SOFTWARE SOLUTIONS
2	20P102	ADITHYA J B	DUCEN PVT LTD, CHENNAI, TAMILNADU
3	20P103	AJAYRAM PANDIAN M	KGISL
4	20P108	AZATH A	NETCORE CLOUD
5	20P109	BHARANIDHARAN S	DUCEN PVT LTD, CHENNAI, TAMILNADU
6	20P112	DHARANI K	INNO VALLEY WORKS
7	20P113	GIRINATH	DONYATI INDIA PVT LTD ,BENGALURU
8	20P119	ILAMATHI D	KAAR TECHNOLOGIES
9	20P122	JISHNU B	MINDGRAPH TECHNOLOGIES
10	20P123	KALAIARASI S	EVOLV WITH MOONRAFT
11	20P126	KIRUBAKARAN K	ABRIGHT LABS
12	20P129	MITHUN V	ABRIGHT LABS
13	20P134	NIRANJANAA A	ACCENTURE

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.NO</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
14	20P135	NITHISHKUMAR C	INFINITE SOFTWARE SOLUTIONS
15	20P136	PAVITHRAN K	DONYATI INDIA PVT LTD ,BENGALURU
16	20P139	RAJASARAVANAN M	ZERP LABS
17	20P142	SAAKET DOBHALL P	EVOLV WITH MOONRAFT
18	20P148	SOWMIYA M	ACCENTURE,CHENNAI
19	20P149	SREE RAGAVARTHINI M	ACCENTURE,CHENNAI
20	20P150	SRI VIGNESH B	UNILOGIC TECHNOLOGIES
21	20P151	SRIHARI V B	ABRIGHT LABS
22	20P155	SUNDAR M	TATA ELXSI PVT LTD, BENGALURU
23	20P158	UDHAYARAJAN M	AFFORD MEDICAL TECHNOLOGIES PRIVATE LIMITED
24	20P160	VIGNESH G	AZENTIO SOFTWARE PRIVATE LIMITED
25	20P161	VIJAY P	HEXAWARE
26	20P163	VITHIYA SRI B	ACCENTURE,CHENNAI

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
27	21P505	SATHISKUMAR	TATA ELXSI PVT LTD, BENGALURU
28	20P202	AKASH E V	KONE ELEVATOR
29	20P203	ANISHA J	TATA ELXSI
30	20P204	ARUN L	Accenture
31	20P205	ARUNESAN V	EDVEDHA
32	20P206	ASHOKKUMAR M	KGISL
33	20P207	ATCHAYA K	KONE ELEVATOR
34	20P208	BALAJI J	ZOHO
35	20P209	BOOPATHI G	DIVUM
36	20P217	JAGADEESHWARAN S	PRAMATA KNOWLEDGE SOLUTIONS
37	20P218	JAYAPRIYA C	TATA ELXSI
38	20P220	KALAIMARAN M	KAPTURE
39	20P221	KARANEESHWARAN K	DONYATI

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.No	Roll no	Name	Company Name
40	20P223	KAVIYA K	AZENTIO
41	20P224	KRISHNA PRASADHAA M	AZENTIO
42	20P225	LAKSHANA.B	HEXAWARE
43	20P226	MAHESWARAN K	Hexaware
44	20P227	MANIKANDAN P	TATA ELXSI
45	20P230	NARESHKUMAR S	UST GLOBAL SOLUTIONS
46	20P231	NAVIN E	MOONRAFT
47	20P236	PRIYANKA C	ACCENTURE
48	20P237	PUSHPA R	ACCENTURE
49	20P238	RAJAVIGNESH M	AZENTIO
50	20P242	SARAN KUMAR C	ACCENTURE
51	20P244	SHIDDESHWARAN S	RENTLY
52	20P245	SHOBANA A	DONYATI

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.No	Roll no	Name	Company Name
53	20P250	RAMAKRISHNAN S	HEXAWARE
54	20P251	SRIRAM A	MOONRAFT
55	20P253	SWATHI L	ACCENTURE
56	20P254	TAMIZHAN	Max Linear
57	20P257	TRIJESH G	ACCENTURE
58	20P259	VIDYASRE V S	ACCENTURE
59	20P262	YOKESH G	CODING MART
60	21P505	SATHISKUMAR	TATA ELXSI PVT LTD, BENGALURU
61	20P301	AKASH R	IGNITARIUM TECHNOLOGY SOLUTIONS PRIVATE LIMITED, BENGALURU, KARNATAKA
62	20P302	ARUL GNANI K	INFORMATICA, BENGALURU, KARNATAKA.
63	20P303	ARUN P	ACCENTURE,CHENNAI
64	20P306	BASKAR B	DUCEN PVT LTD, CHENNAI.
65	20P307	BOOPATHI RAJA V	ROOTQUOTIENT TECHNOLOGIES PVT LTD,CHENNAI.

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
66	20P308	BUVANESH P	DIVUM CORPORATE SERVICES PVT LTD, BENGALURU
67	20P309	DANUSH L P	DONYATI INDIA PVT LTD ,BENGALURU
68	20P311	ELAMURUGAN S	IGNITARIUM TECHNOLOGY SOLUTIONS PRIVATE LIMITED, BENGALURU,KARNATAKA
69	20P314	GRACE.S	TRUSTRACE, COIMBATORE, TAMILNADU
70	20P316	Harish S	NUMETRY TECHNOLOGIES,PUNE
71	20P317	HARISMITA R	DIVUM CORPORATE SERVICES PVT LTD, BENGALURU
72	20P319	JAYAVARSHINI K	DIVUM CORPORATE SERVICES PVT LTD, BENGALURU
73	20P323	KAVINRAJU K	UST GLOBAL PRIVATE LIMITED
74	20P324	Logaraj P	ABRIGHT LABS
75	20P326	MANOJ KUMAR G	MOONRAFT INNOVATION LABS, BENGALURU
76	20P329	MOHANARAJAN D	ACCENTURE,CHENNAI
77	20P331	NAGESHWAR N	MINDGRAPH TECHNOLOGIES PVT LTD, COIMBATORE, TAMIL NADU
78	20P333	NITHEESH S	DUCEN PVT LTD, CHENNAI , TAMILNADU

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.NO</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
79	20P334	PAVITHRA A	DIVUM CORPORATE SERVICES PVT LTD, BENGALURU
80	20P335	PONVEL K	ZOHO CORPORATION, CHENNAI
81	20P336	PUSHPARAJ G	MINDGRAPH TECHNOLOGIES PVT LTD,COIMBATORE, TAMIL NADU
82	20P337	RAGAVI K C	LUCID IMAGING PVT LTD,COIMBATORE
83	20P342	SANJULA K	LUCID IMAGING PVT LTD,COIMBATORE,
84	20P344	SARVESH M	TATA ELXSI PVT LTD, BENGALURU
85	20P345	SHINAS	ACCENTURE,CHENNAI
86	20P346	SHREEPRIYA V	DONYATI INDIA PVT LTD ,BENGALURU
87	20P348	SNEHAN D	ACCENTURE,CHENNAI
88	20P349	SOWMYA K	KONE ELEVATOR INDIA PVT LTD, CHENNAI
89	20P355	THIRUMOORTHY A M	AZENTIO PVT LTD, CHENNAI
90	20P360	VINUSHIYA S	UST GLOBAL PRIVATE LIMITED

PLACEMENT DETAILS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Roll no</i>	<i>Name</i>	<i>Company Name</i>
91	20P361	VISHNU SHANKAR K S	TATA ELXSI PVT LTD, BENGALURU
92	21P704	JEYAVISHNU S	CODINGMART TECHNOLOGIES PVT LTD, COIMBATORE.

EVENTS ORGANIZED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Date</i>	<i>Event Type</i>	<i>Name of the Event</i>	<i>Resource Person Details</i>
1	14.07.2023	WORKSHOP	WORKSHOP ARCHITECTING ENTERPRISE BLOCK CHAIN SOLUTIONS USING HYPER LEDGER FABRIC.	MR.MAHARAJ M, FOUNDER & CEO,BCBUZZ TECHNOLOGIES PVT LTD., COIMBATORE.
2	22.07.2023	WORKSHOP	WORKSHOP ON MASTERING FULL STACK DEVELOPMENT: UNLEASHING THE POWER OF END-TO-END WEB SOLUTIONS.	MR. LEVALE XAVIER, CEO, LITZ TECH SOLUTIONS, COIMBATORE.
3	26.07.2023	WORKSHOP	WORKSHOP ON CLOUD SECURITY IN 2023	MR.DHINESH ANGAMUTHU, CEO & FOUNDER, HACKOVER SECURITY, COIMBATORE.
4	31.07.2023	WORKSHOP	WORKSHOP ON BUILDING SCALABLE WEB APPLICATIONS WITH PYTHON AND FLASK.	MR.E. BHAWINJASPER, FULL STACK DEVELOPER, NXTLOGIC SOFTWARE SOLUTIONS, COIMBATORE.

EVENTS ORGANIZED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Date</i>	<i>Event Type</i>	<i>Name of the Event</i>	<i>Resource Person Details</i>
5	02.08.2023	SEMINAR	SEMINAR ON AN INSIGHT ON CONTENT DELIVERY NETWORK (CDN)	MR.M. NAVEENKUMAR, ASSOCIATE SOFTWARE ENGINEER, KATOMARAN
6	02.08.2023	SEMINAR	SEMINAR ON CAREER OPPORTUNITIES CURRENT TRENDS IN NETWORKING	MR. R. RAJARAM, NETWORK ENGINEER, LIVEVOX SOLUTIONS PVT.LTD, BANGALORE.
7	17.08.2023	SEMINAR	SEMINAR ON ENGINEERING PROBLEM SOLVING TECHNOLOGIES FOR THE NEXT GENERATION OF SUCCESSFUL PRODUCTS.	MR. RICHARD PHILIP, PRODUCT OWNER, RENTLY SOFTWARE DEVELOPMENT PVT LTD., COIMBATORE.
8	23.08.2023	WORKSHOP	WORKSHOP ON ROADMAP TO CRACK PRODUCT-BASED COMPANIES THROUGH ON CAMPUS/OFF CAMPUS DRIVE.	MR. MYDEENBATHUS HA, SENIOR ANDROID DEVELOPER, JAMBOO CORPORATION, TI RUNELVELI.

EVENTS ORGANIZED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<i>S.No</i>	<i>Date</i>	<i>Event Type</i>	<i>Name of the Event</i>	<i>Resource Person Details</i>
5	24.08.2023	WORKSHOP	ONE DAY NATIONAL WORKSHOP ON MACHINE LEARNING MODELS – PRELUDE TO PRODUCTION.	DR. S. KANNIMUTHU, PROFESSOR/CSE, KCE DR. P. M. ARUNKUMAR, ASP/CSE, KCE
6	26.08.2023	SEMINAR	SEMINAR ON INSIGHTS INTO THE ANGULAR.	MR. JEEVAN M, FULL STACK DEVELOPER, TRUS TRACE, COIMBATORE.
7	20.09.2023	WORKSHOP	WORKSHOP ON DATA SCIENCE WITH PYTHON PROGRAMMING.	MS.CHANDANA M DATA ANALYST, TECHVOLT SOFTWARE PRIVATE LIMITED, COIMBATORE.
8	22.09.2023	WORKSHOP	WORKSHOP ON INSIGHTS ON REACT NODEJS FOR WEB APPLICATION DEVELOPMENT	MR.T.VIGHNESWAR, FOUNDER & CEO, NANDHA INFOTECH COIMBATORE. DR.S.ARUL ANTRAN VIJAY, ASSOCIATE PROFESSOR, KCE.

EVENTS ORGANIZED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

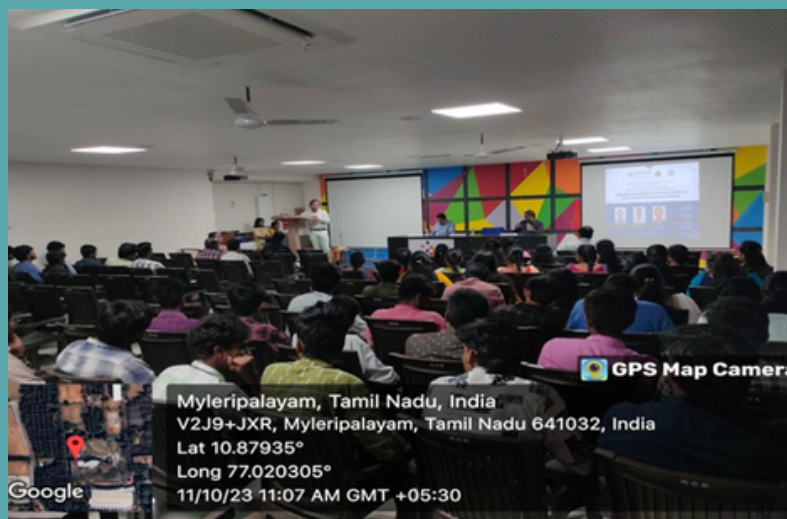
<i>S.No</i>	<i>Date</i>	<i>Event Type</i>	<i>Name of the Event</i>	<i>Resource Person Details</i>
9	11.10.2023 to 12.10.2023	SEMINAR	DRDO SPONSORED TWO DAY NATIONAL SEMINAR ON RESEARCH CHALLENGES AND APPLICATION OF DEEP LEARNING IN NUCLEAR MEDICINE.	DR. MALAYA KUMAR NATH,NATIONAL INSTITUTE OF TECHNOLOGY-PUDUCHERRY (NITPY), KARAICAL DR.PRABU P, CHRIST UNIVERSITY, BENGALURU
10	26.08.2023	SEMINAR	SEMINAR ON INTELLIGENCE SYSTEM ACTIVATION THROUGH WEB BASED SENSOR APPLICATIONS.	MR.S.VIGNESHWAR AN DEVELOPER CUM SENIOR CODING INSTRUCTOR DOTWINGS SOFTWARE SOLUTIONS COIMBATORE.
11	28.10.2023	SEMINAR	SEMINAR ON FORECASTING IN DATABRICKS.	MR.BALAJI MUTHUKRISHNAN SENIOR DATA SCIENTIST KELLY SERVICES, BENGALURU.
12	30.12.2023	WORKSHOP	WORKSHOP ON PC HARDWARE ASSEMBLING AND TROUBLESHOOTING	DR.T.RAVICHANDR N,PROF AND HEAD OF THE DEPT OF CSE

EVENT ORGANISED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr.S.Kannimuthu Professor/CSE,Dr.A.M.Arunkumar ASP/CSE
Conducted DRDO sponsored Two Day National Seminar on
"Research Challenges and Application of Deep Learning in
Nuclear Medicine",11.10.2023 and 12.10.2023**



EVENT ORGANISED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ms.C.Mariyammal AP/CSE,Dr.V.Vignesh ASP/CSE Conducted Seminar on “An insight on Content delivery Network(CDN)” ,02.08.2023



EVENT ORGANISED

2023 - July to December

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr.R.Kala ASP/CSE,Ms.C.Mariyammal AP/CSE Conducted Seminar on
“Engineering Problem Solving Technologies for the Next Generation of
Successful Products” ,17.08.2023**

