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, Professor / IT

- **Department Level**

Chief Editor:
Dr. Saravana Kumar N M HoD / IT
Editor:
Ms. Suganya A, AP/IT
Co-Editor:
Ms. Bhavishya S,IV year/IT
Mr. Sanjay Kumar.A.G,IV year/IT

VISION & MISSION OF THE DEPARTMENT

VISION

To provide reliable and modern technology resources to the faculty and students to develop the competence in Information Technology and to endure with the rapidly changing world to serve the mankind.

MISSION

- Imparting technical knowledge through innovative teaching and research for budding professionals.
- To equip the students with strong fundamentals, programming and problem solving skills with an exposure to emerging technologies and inculcate leadership qualities with a passion to serve society.

MoU signed with Industries-Department Level

PROMPT INFOTECH

SAT INFOSYS

CIHAN UNIVERSITY - Duhok

INDEX

STUDENTS ACHIEVEMENTS

2023 - July to December

AWARDS

Invention - swachh bot"

- Mr. Kirthesh A ,Mr. Sriram S S , won gold medal in ARAU International Creativity Exhibition (ACE),2023,Perlis Malaysia , From 19th August 2023 to 20th August 2023

"Hacksprint 1.0"

- Mr. Krishna Pravesh H , won First Place in Hacksprint 1.0 held at Karpagam Academy of Higher Education , 5th October 2023

"IMPEXPO 2023"

- Mr. Sriram S S, won Third place in IMPEXPO 2023 conducted by Aarupadai Veedu Medical College, Pondicherry, From 5th October 2023 to 6th October 2023

"Internal B-model pitching contest"

- Ms. Kavyashree N , won First place in Internal B-Model Pitching Contest jointly conducted by AI Innovation Club , Karpagam College of Engineering and IIT Bombay, 18th October 2023

FACULTY ACHIEVEMENTS

2023 - July to December

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PUBLICATIONS

MLBRSA: Multi-Learning Based Reptile Search Algorithm for Global Optimization and Software Requirement Prioritization Problems, Biomimetics, 2023
AUTHOR :Dr. N M Saravana Kumar, Professor &Head /IT

Clarans and Birch Datamining Techniques for Disease Diagnosis ,
Multimedia Tools and Applications , 2023
AUTHOR :Dr.N M Saravana Kumar, Professor &Head/IT

Privacy perserving block chain - based healthcare model EMR , IET Book on Healthcare 4.0, 2023.
AUTHOR :Dr.N M Saravana Kumar, Professor &Head/IT

Integrated and intelligent cloud service platforms for transition from Healthcare 1.0 to 4.0 ,
IET Book on Healthcare 4.0, 2023.
AUTHOR :Dr.N M Saravana Kumar, Professor &Head/IT

Detection of Social Network Spam based on Machine Learning with Naïve Bayes Algorithm,
European Chemical Bulletin , 2023
AUTHOR :Dr. Guhan T, Associate Professor /IT

Long-term and Short-term Rainfall Forecasting using Deep Neural Network Optimized with Flamingo Search Optimization Algorithm , IOS Press - Journal of Intelligent & Fuzzy Systems, 2023.
AUTHOR :Dr. Guhan T, Associate Professor /IT

FACULTY ACHIEVEMENTS

2023 - July to December

PUBLICATIONS

A Context-Sensitive Multi-Tier Deep Learning Framework for Multimodal Sentiment Analysis ,Multimedia Tools and Applications, 2023.
AUTHOR :Dr. Jothi Prakash V, Assistant Professor/IT

Cross-Lingual Sentiment Analysis of Tamil Language using a Multi-Stage Deep Learning Architecture, ACM Transactions on Asian and Low-Resource Language Information Processing, 2023
AUTHOR :Dr. Jothi Prakash V, Assistant Professor/IT

Predict the Quality of Freshwater using Support Vector Machines ,Applied Artificial Intelligence and Computing, 2023.
AUTHOR :Ms. Gayathri S, Assistant Professor /IT

Next-Generation Digital Healthcare Cloud Folder for Patients , International Conference on Innovations in Robotics, Intelligent Automation and Control, 2023.
AUTHOR :Ms. Gayathri S, Assistant Professor /IT

A Survey on Impact of Internet of Medical Things Against Diabetic Foot Ulcer ,International Conference on Intelligent Computing and Next Generation Wireless Networks, 2023.
AUTHOR :Mr. Jegathesh P, Assistant Professor/IT

An Integrated Approach for Big Data Classification and Security Using Optimized Random Forest and DSSE Algorithm, Big Data and Cloud Computing,
AUTHOR :Mr. Castro S, Assistant Professor/IT

NPTEL STARS

2023 - July to December

Ms .Lavanya.S

Introduction to Algorithm and Analysis

Elite + Silver & Topper 5%

Ms .Gayathri.S

Data Structure And Algorithms Using Java

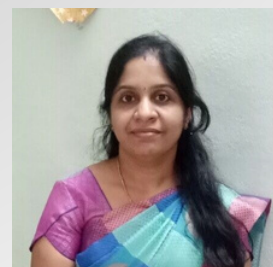**Elite + Silver**

Ms .Suganya.A

Operating System Fundamentals

Elite

Ms .Sreeja.B.P

Cyber Security and Privacy

Successfully Completed

NPTEL STARS

Mr .Varatharajan.N

Introduction to Algorithms and Analysis

Successfully Completed

Mr .Jegathesh.P

Operating System Fundamentals

Successfully Completed

Mr .Vikkram.R

Operating System Fundamentals

Successfully Completed

Mr .Castro.S

Problem Solving Through Programming in C

Successfully Completed

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NPTEL STARS

STUDENTS

Mr .Nagaraj.S

Problem Solving Through Programming in C

Successfully Completed

Mr .Deepak.S

Problem Solving Through Programming In C

Elite + Silver

Mr .Rithish.N.V

Problem Solving Through Programming In C

Elite + Silver

Mr .Munirathinam.E

Problem Solving Through Programming In C

Elite + Silver

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NPTEL STARS

Mr .Hariharan.M

Problem Solving Through Programming In C

Elite + Silver

Ms .Karthika.G

Data Structure And Algorithms Using Java

Elite + Silver

Ms .Kaviyapriya.S

Data Structure And Algorithms Using Java

Elite + Silver

Ms .Arthi.K

Data Structure And Algorithms Using Java

Elite + Silver

NPTEL STARS

Ms .Sowndharya Lakshmi.V

Data Structure And Algorithms Using Java

Elite + Silver

Ms .Samithasree.S

Data Structure And Algorithms Using Java

Elite + Silver

Mr .Akash.S

Data Structure And Algorithms Using Java

Elite+Silver

Mr .Balamurugan.R

Data Structure And Algorithms Using Java

Elite+Silver

NPTEL STARS

2023 - July to December

Mr .Mathesh.M

Data Structure And Algorithms Using Java

Elite + Silver

Mr .Sudharsan.S

Data Structure And Algorithms Using Java

Elite + Silver

Mr .Deepak Saarthi.P.P

Problem Solving Through Programming In C

Elite+Silver

Mr .Sabarishwaran.B

Problem Solving Through Programming In C

Elite+Silver

NPTEL STARS

Ms .Anusuya.S

Problem Solving Through Programming In C

Elite

Ms .Sabeenamuki.M

Problem Solving Through Programming In C

Elite

Mr .Bharath.L.A

Problem Solving Through Programming In C

Elite

Ms .Harini.M

Problem Solving Through Programming In C

Elite

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NPTEL STARS

Ms .Naveena.K

Problem Solving Through Programming In C

Elite

Mr .Poovarasan.S

Problem Solving Through Programming In C

Elite

Ms .Sindhuja.S

Problem Solving Through Programming In C

Elite

Mr .Nithishkumar.S

Problem Solving Through Programming In C

Elite

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Mr .Maria Randip Leon.K.S

Operating System Fundamentals

Elite

Ms .Sunitha Sree.C.S

Operating System Fundamentals

Elite

Ms .Archana.D

Operating System Fundamentals

Elite

Ms .Pooja Sri.B

Data Structure And Algorithms Using Java

Elite

NPTEL STARS

Ms .Subika.M

Data Structure And Algorithms Using Java

Elite

Ms .Thejashree.G

Data Structure And Algorithms Using Java

Elite

Mr .Jayakannan.A

Data Structure And Algorithms Using Java

Elite

Mr .Gugan.M.K

Data Structure And Algorithms Using Java

Elite

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NPTEL STARS

Mr .Loknath Joel.R.P

2023 - July to December

Data Structure And Algorithms Using Java

Elite

Mr .Balaji.I

Data Structure And Algorithms Using Java

Elite

Ms .Anishkha.H.M

Problem Solving Through Programming In C

Successfully Completed

Ms .Birunthadevi.M

Problem Solving Through Programming In C

Successfully Completed

NPTEL STARS

Ms .DhanyaPriya.S

Problem Solving Through Programming In C

Successfully Completed

Mr .Dinesh Kumar

Problem Solving Through Programming In C

Successfully Completed

Mr .Kishore Kumar.S

Problem Solving Through Programming In C

Successfully Completed

Mr .Muthukumaran.S.J

Problem Solving Through Programming In C

Successfully Completed

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2023 - July to December

Mr .Ragupathy.M

Problem Solving Through Programming In C

Successfully Completed

Ms .Sahana.D

Problem Solving Through Programming In C

Successfully Completed

Ms .Sandhiya.S

Problem Solving Through Programming In C

Successfully Completed

Mr .Shankaralingam.M

Problem Solving Through Programming In C

Successfully Completed

NPTEL STARS

Ms .Anuvarshini.S.B

Problem Solving Through Programming In C

Successfully Completed

Ms .Charumathi.G

Problem Solving Through Programming In C

Successfully Completed

Mr .Deepakkumar.V

Problem Solving Through Programming In C

Successfully Completed

Ms .Narmitha.V

Problem Solving Through Programming In C

Successfully Completed

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2023 - July to December

Ms .Sakthimeena.R

Problem Solving Through Programming In C

Successfully Completed

Mr .Siranjeevi

Problem Solving Through Programming In C

Successfully Completed

Ms .Swapna.G

Problem Solving Through Programming In C

Successfully Completed

Ms .Bavya.K

Data Structure And Algorithms Using Java

Successfully Completed

NPTEL STARS

2023 - July to December

Ms .Sabitha.K

Data Structure And Algorithms Using Java

Successfully Completed

Ms .Thiruselvan.S

Data Structure And Algorithms Using Java

Successfully Completed

Mr .Siva.S

Data Structure And Algorithms Using Java

Successfully Completed

Mr .Janarthanan.A

Operating System Fundamentals

Successfully Completed

NPTEL STARS

Mr .Jebershon Vetha Singh.S

Operating System Fundamentals

Successfully Completed

Ms .Sangitha Shri.G

Operating System Fundamentals

Successfully Completed

Ms .Santhoshini

Operating System Fundamentals

Successfully Completed

Mr .Logavaseeharan.M

Operating System Fundamentals

Successfully Completed

NPTEL STARS

Mr .Kishore Kumar.M

Operating System Fundamentals

Successfully Completed

Mr .Karthikeyan.M

Operating System Fundamentals

Successfully Completed

Mr .Koushik.R.M

Operating System Fundamentals

Successfully Completed

Ms .Kamini.T

Operating System Fundamentals

Successfully Completed

PATENTS

2023- July to December

"An Improved Real Time Objet Detection Capable of being Adapted in Real Time for use in Traffic Surveillance by Utilizing R-CNN in Place of CNN"

- **Dr. Guhan T** has published a patent in journal titled "**Indian Patent**" on 17th July, 2023
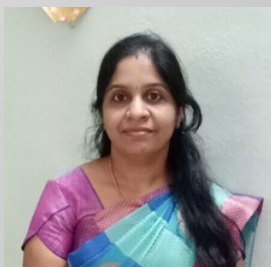
"Data Security and Privacy challenges in AI and IOT adoption in pharma"

- **Dr. Sreeja B P** has published a patent titled "**Data Security and Privacy challenges in AI and IOT adoption in pharma**" on 16th August, 2023

"Water Quality Monitoring and awareness message system model in smart cities "

- **Ms. Suganya A** has published a patent titled "**Water Quality Monitoring and awareness message system model in smart cities**" Application number: 202341079921 on 29th November, 2023

"System for Dynamic Network Routing Optimization"

- **Mr. Varatharajan N** has published a patent titled **"System for Dynamic Network Routing Optimization"** on 13th September, 2023

"A System and Method For an Internet of Things(IOT) Network Integrated With Cloud-Based Virtual Real "

- **Mr. Nagaraj S** has published a patent titled **"A System and Method For an Internet of Things(IOT) Network Integrated With Cloud-Based Virtual Real"** .

PATENTS

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"Portable Plant Diagnostic device"

- **Dr. Guhan T** has filed a patent titled **"Portable Plant Diagnostic device"** in journal titled **"Indian Design Patent"** on 22nd November, 2023

"An Artificially Intelligent Method and System for Security Analysis of Images "

- **Ms. Geethu Mary George** has filed a patent in journal titled "**Indian Patent**" 2023

CONFERENCE

Ms. Dharshini Priya P , Ms. Samithasree S , Ms. Sunitha Sree C S , Mr. Nagarasu , Mr. Karthik D

- Presented a paper titled " " in IInternational Multidisciplinary Conference on Emerging Trends,Challenges and Oppurtunities at SNGC College, Chavady, from 24th October 2023 to 25th October 2023.

Ms. Bhavishya S , Mr. Kalaiarasan S , Mr. Lalith K , Mr. Dhitchith O P

- Presented a paper titled " Chronic Illness Detection using Gradient Boosting Algorithm " in Hinweis Second International Conference On Recent Trends in Machine Learning and Image Processing, MLIP-2023 from 22nd December 2023 to 23rd November 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

5-DAY ONLINE FDP ON THE THEME "INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION" - UHV

Ms. Suganya A, Ms. Lavanya S, participated in 5-day Online FDP on the theme **"Inculcating Universal Human Values in Technical Education"** - UHV, held at **AICTE - UHV FDP** From 12th June 2023 to 16th June 2023.

CLOUD INFRASTRUCTURE AWS

Dr. Guhan T, Ms. Lavanya S, Ms. Gayathri S, Mr. Castro S participated in **Cloud Infrastructure AWS** held at **Brainovision - AICTE(Online)** From 21st August 2023 to 25th August 2023.

STUDENT MENTORING AND COUNSELLING

Dr. Sreeja B P, Ms. Lavanya S, Ms. Gayathri S participated in **Student Mentoring and Counselling** held at **Karpagam College of Engneering , Coimbatore** , 23rd August 2023.

5 DAYS LIVE INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON NLP AND CHATGPT APPLICATIONS- EVERYDAY LEARNING PROGRAM.

Ms. Suganya A , Mr. Vikkram R participated in **FDP on 5 Days Live International Faculty Development Program on NLP and ChatGPT Applications- Everyday Learning** Program held at **SECAB institute of engineering and technology**, 14th August 2023 to 18th August 2023.

DATA SCIENCE TOOLS AND APPLICATIONS

Mr. Nagaraj S , participated **Scripted Vision** held at **SRM Institute of Science and Technology Kattankulathur,** 17th July 2023 to 22 July 2023.

AICTE - TLB - DATA ANALYTICS APPLICATIONS USING CLOUD

Dr.Sreeja B P participated in FDP **AICTE - TLB - Data Analytics Applications using Cloud** held at **Edunet Foundation**, From 25th September 2023 to 29th September 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

BUILDING ADVANCED DATA ANALYTICS APPLICATIONS WITH CLOUD

Ms. Gayathri S participated in FDP : **Building Advanced Data Analytics Applications with Cloud**, held at **Edunet Foundation** From 11th September 2023 to 165h September 2023

30 HOURS NATIONAL FACULTY DEVELOPMENT PROGRAM ON CYBER SECURITY

Ms. Suganya A participated in **30 Hours National Faculty Development Program on Cyber Security** held at **Chaitanya Bharathi Institute of Technology** From 25th September 2023 to 14th October 2023.

INTRODUCTORY UHV FDP (ENGLISH)

Dr. Sreeja B P, Ms. Lavanya S, Ms. Gayathri S participated in **Student Mentoring and Counselling** held at **Karpagam College of Engneering , Coimbatore** , 23rd August 2023.

5 DAYS LIVE INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON NLP AND CHATGPT APPLICATIONS- EVERYDAY LEARNING PROGRAM.

Ms. Suganya A , Mr. Vikkram R participated in **FDP on 5 Days Live International Faculty Development Program on NLP and ChatGPT Applications- Everyday Learning** Program held at **SECAB institute of engineering and technology**, 14th August 2023 to 18th August 2023.

DATA SCIENCE TOOLS AND APPLICATIONS

Mr. Castro S , participated **Introductory UHV FDP (English)** held online by **AICTE ,** 25th September 2023 to 30th September 2023.

DATA ANALYTICS USING PYTHON

Mr.Nagaraj S participated in FDP Data Analytics using Python held at **PSG Institute of Technology and Applied Research, Coimbatore(ICT Academy)**, 25th September 2023 to 30th September 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

PRACTICAL ASPECTS OF ICT TOOLS & ONLINE TEACHING IN CURRENT SCENARIO

Dr. Sreeja B P participated in FDP : **Practical Aspects of ICT Tools & Online Teaching in current scenario** , held at **Research Foundation of India & RFI -Care** From 2nd October 2023 to 11th October 2023

30 HOURS NATIONAL FACULTY DEVELOPMENT PROGRAM ON CYBER SECURITY

Ms. Suganya A participated in **30 Hours National Faculty Development Program on Cyber Security** held at **Chaitanya Bharathi Institute of Technology** From 25th September 2023 to 14th October 2023.

NPTEL INTRODUCTION TO ALGORITHMS AND ANALYSIS

Mr. Varatharajan N participated in (FDP NPTEL) **Nptel Introduction To Algorithms And Analysis** held In **NPTEL-AICTE** , July to October 2023

NPTEL-AICTE PROBLEM SOLVING THROUGH PROGRAMMING IN C

Mr. Nagaraj S participated in (FDP NPTEL) **on NPTEL-AICTE Problem Solving Through Programming In C** Program held at **NPTEL-AICTE**, 14th August 2023 to 18th August 2023.

5-DAY ONLINE FDP ON THE THEME "INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION" - UHV

Dr. Sreeja BP, Ms. Gayathri S participated in **5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" - UHV)** held online by AICTE - UHV FDP **, 6**th November 2023 to 10th November 2023.

CYBER SECURITY AND PRIVACY

Dr. Sreeja B P participated in **Cyber Security wond Privacy** held at NPTEL-FDP, July to October 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

INTRODUCTION TO ALGORITHM AND ANALYSIS

Ms. Lavanya S participated in FDP : **Introduction to Algorithm and Analysis** , held in NPTEL-FDP From July to October 2023

DATA STRUCTURES AND ALGORITHMS USING JAVA

Ms. Gayathri S participated in **Data Structures and Algorithms using Java** held in **NPTEL - FDP** From July to October 2023.

PROBLEM SOLVING THROUGH PROGRAMMING IN C

Mr. Castro S participated in (FDP NPTEL) **Problem Solving Through Programming In C** held In **NPTEL-FDP** , July to October 2023

QUANTUM MACHINE LEARNING IN HEALTH CARE

Ms. Suganya A, Mr. Vikkram R, Mr. Varatharajan participated in (ATAL FDP) **on Quantum Machine Learning in Health care** held at **Dr.NGP Institute of Technology** , 4th December 2023 to 9th December 2023.

ONLINE WORKSHOP ON BLOCKCHAIN TECHNOLOGY AND ITS APPLICATIONS

Mr. Varatharajan N, participated in **Online Workshop on Blockchain Technology and Its Applications** held online by **Department of Computer Applications, National Institute of Technology ,Tiruchirappalli , 21st August** 2023 to 25th August 2023.

ONE DAY WORKSHOP ON VIRTUAL LABS

Ms. Geethu Mary George participated in One day Workshop on Virtual Labs held at Karpagam College of Engineering, 14th August 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

WORKSHOP ON RESEARCH PAPER WRITING USING CHAT GPT AND AI TOOLS

Dr. Sreeja B P participated in **Workshop on Research Paper writing using Chat GPT and AI Tools** , held in **LMS Solution** , 30th September 2023

IOT AND MACHINE LEARNING APPLICATIONS USING RASPBERRY PI

Dr. Sreeja B P participated in **IoT and Machine Learning applications using Raspberry pi** , held at **Marcello Tech** , 15th Octoberber 2023

WORSHOP IN DEVOPS

Dr. Sreeja B P participated in **Workshop In DevOps** , held at Marcello Tech , 1st Octoberber 2023

QUANTUM MACHINE LEARNING IN HEALTH CARE

Ms. Suganya A, Mr. Vikkram R, Mr. Varatharajan N participated in (ATAL FDP) **on Quantum Machine Learning in Health care** held at **Dr.NGP Institute of Technology** , 4th December 2023 to 9th December 2023.

DERIVING PROCESS TRANSFORMATION IN PUBLIC SERVICES USING BLOCKCHAIN

Ms.Geethu Mary George attended seminar on **Deriving Process Transformation in public services using blockchain** held at **Hyperledger Foundation - Kochi(online).**

IEEE INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY RESEARCH IN TECHNOLOGY AND MANAGEMENT

Dr. Saravanan S attended in **IEEE International Conference on Multidisciplinary Research in Technology and Management** held at **New Horizon College of Engineering**, 22nd October 2023 to 23rd October 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

6TH INTERNATIONAL CONFERENCE ON CONTEMPORARY COMPUTING AND INFORMATICS (IC3I-2023)

Dr. Sreeja B P presented paper in **6th International Conference on Contemporary Computing and Informatics (IC3I-2023)** , held in **Amity University, Noida** ,14th September 2023 to 16th September 2023

IOT AND MACHINE LEARNING APPLICATIONS USING RASPBERRY PI

Dr. Sreeja B P participated in **IoT and Machine Learning applications using Raspberry pi** , held at **Marcello Tech** , From 14th September 2023 to 16th September 2023.

1ST IEEE INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY RESEARCH IN TECHNOLOGY AND MANAGEMENT – MRTM 23

Ms. Lavanya S , Mr. Varatharajan N   presented paper in **1st IEEE International Conference on Multidisciplinary Research in Technology and Management–MRTM 23** ,held at **New Horizon College of Engineering, Bengaluru** , 22nd September 2023 to 23rd September 2023.

INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND NEXT GENERATION WIRELESS NETWORKS

Mr. Jegathesh P presented paper in **International conference on Intelligent Computing and Next Generation Wireless Networks** held at **Sri Venkateshwara College of Engineering,** 19th October 2023 to 20th october 2023.

INTERNATIONAL CONFERENCE ON MATERIAL EVOLUTIONARY COMPUTING AND NETWORKS (ICECMSN 2023)

Mr. Castro S presented paper in **International Conference on Material Evolutionary Computing and Networks (ICECMSN 2023)** held at **Hindusthan Institute of Technology.**

DEPARTMENT OF INFORMATION TECHNOLOGY

INTERNATIONAL CONFERENCE ON EMERGING RESEARCH IN COMPUTATIONAL SCIENCE - 2023

Mr. Jegathish P presented paper in **International Conference on Emerging Research in Computational Science - 2023,** held at **Karpagam Academy of Higher Education, Coimbatore**, 9th December 2023.

INTERNATIONAL CONFERENCE ON EMERGING RESEARCH IN COMPUTATIONAL SCIENCE - 2024

Mr. Jegathish P presented paper in **International Conference on Emerging Research in Computational Science - 2024**, held at **Karpagam Academy of Higher Education, Coimbatore, 9th December 2023.**

INTERMEDIATE MACHINE LEARNING

Ms. Lavanya enrolled online course in **Intermediate Machine Learning** by **Kaggle.**

INTRODUCTION TO FRONT-END DEVELOPMENT

Mr. Jegathesh P, enrolled in **Introduction to Front-End Development** by **Coursera**, duration of course is 4 weeks.

INTRODUCTION TO BACK-END DEVELOPMENT

Mr. Jegathesh P, enrolled in **Introduction to Back-End Development** by **Coursera**, duration of course is 4 weeks.

PROGRAMMING WITH JAVASCRIPT

Mr. Jegathesh P, enrolled in **Programming with Javascript** by **Coursera**, duration of course is 5 weeks.

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DEPARTMENT OF INFORMATION TECHNOLOGY

ENTERPRISE DESIGN THINKING PRACTITIONER

Dr. Guhan T enrolled in **Enterprise Design Thinking Practitioner,** by **IBM.**

DATA ANALYSIS USING EXCEL

Dr. Sreeja B P enrolled in **Data Analysis using Excel** course by **Great Learning.**

INTRODUCTION TO JAVA PROGRAMMING: JAVA FUNDAMENTAL CONCEPTS

Ms. Lavanya enrolled online course in **Intermediate Machine Learning** by **Kaggle.**

INTRODUCTION TO FRONT-END DEVELOPMENT

Ms. Gayathri S, enrolled in **Introduction to Front-End Development course** by **Coursera**, duration of course is 4 weeks.

ANGULAR 11: GETTING STARTED WITH ANGULAR

Ms. Gayathri S, enrolled in **Angular 11: Getting started with Angular course** by **Skillsoft-Coursera**

REINFORCEMENT LEARNING

Ms. Gayathri S enrolled in **Reinforcement Learning course** by **Skillsoft-Coursera**

DEPARTMENT OF INFORMATION TECHNOLOGY

CYBER SECURITY 101: BEGINNER'S GUIDE TO BECOME A PENETRATION TESTER

Dr. Sreeja B P enrolled in **Cyber Security 101: Beginner's guide to become a Penetration Tester,** by **Skillup-Simplilearn.**

DATA VISUALIZATION - ONLINE COURSE

Ms. Lavanya S enrolled in **Data Visualization** course by Kaggle**.**

DATA CLEANING - ONLINE COURSE

Ms. Lavanya enrolled online course in **Data Cleaning** course by **Kaggle.**

INTEGRATED AND INTELLIGENT CLOUD SERVICE PLATFORMS

Dr. N.M. Saravanakumar, submitted book chapter in **IIntegrated and intelligent cloud service platforms ,** September 2023 as Second Author

BOOK CHAPTER- PRIVACY PRESERVING BLOCKCHAIN-BASED HEALTHCARE

Dr. N.M. Saravanakumar, submitted book chapter in **Privacy preserving blockchain-based healthcare ,** September 2023 as First Author

BOOK CHAPTER-DEEP LEARNING OVERVIEW AND APPLICATION

Ms. Lavanya S , Mr Varatharajan N , Ms. Suganya A , Mr. Vikkram R submitted book chapter in **Deep Learning overview and application.**

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DEPARTMENT OF INFORMATION TECHNOLOGY

THE ROLE OF DISRUPTIVE TECHNOLOGIES IN FOOD SYSTEMS MANAGEMENT DURING CRISIS

Ms. Geethu Mary George submitted book chapters in T**he Role of Disruptive Technologies in Food Systems Management During Crisis** in **Convergence of Blockchain,IoT and AI Technologies for Supplychain Management** as Second Author.

TECHNOLOGICAL TOOLS FOR PREDICTING PREGNANCY COMPLICATIONS

Ms. Suganya A   published book chapter in **Technological Tools for Predicting Pregnancy Complications in Technological Tools for Predicting Pregnancy Complications [9798369317181], on 16th October 2023**

WCF PROGRAM

Ms. Gayathri S, Mr. Vikkram R attended **WCF Program** by Wipro Technologies**,** for the duration of 1 month , under Coordinator: Katari Nirmal, Head - TalentNext, Wipro

ONE WEEK INTERNSHIP

Ms. Sreeja B P attended one week internship **Marcello Tech** , for duration of 1 month.

DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT PARTICIPATION

TWO DAYS WORKSHOP ON ARTIFICAL INTELLIGENCE WITH MACHINE LEARNING

Ms. Kavyashree N , Ms. Sowndharya Lakshmi V , participated in Two days workshop on Artificial Intelligence with Machine Learning conducted by IISC Bangalore, From 26th September 2023 to 27th September 2023

AI CONCLAVE WORKSHOP

Ms. Archana D , participated in AI conclave workshop held at K. S. Rangasamy College of Technology, 12th September 2023

SNAPCODE

Ms. Arthi R , Ms. Divya M , Mr. Saran S E , participated in Snapcode held at Sri Krishna College of Engneering and Technology, Coimbatore , 15th September 2023

WORKSHOP ON INDUSTRY 4.0 AND DIGITAL TWIN

Ms. Arthi R , Ms. Divya M , participated in Workshop on Industry 4.0 and Digital Twin held at Sri Krishna College of Engneering and Technology, Coimbatore, 15th September 2023

SCRIPTED VISION

Ms. Divya M , participated Scripted Vision held at Sri Krishna College of Engneering and Technology, Coimbatore, 15th September 2023

WORKSHOP ON DEEP LEARNING FOR COMPUTER VISION APPLICATIONS (DLCVA'23)

Ms. Kamini T , Ms. Kavyashree N , participated in Workshop on Deep Learning for Computer Vision Applications (DLCVA'23) held at Mepco Schlenk Engineering College, Sivakasi, From 20th September 2023 to 22nd September 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

PROJECT PRESENTATION

Mr. Karthik D ,
Mr. Jebershon Vedha Singh
participated in project presentation held at , 25th September 2023

TECHNICAL EVENTS

Mr. Tharun Raj , participated in Technical events held at KGISL College, Coimbatore , 6th October 2023

WORKSHOP

Mr. Abiraj R M , Mr. Chandranath , Ms. Kavya K , Mr. Munishwaran participated in workshop held at IIT Madras, From 13th October 2023 to 15th October 2023

WORKSHOP

Mr. Monish , Ms. Priyangasri S , Ms. Santhoshini G , Mr. Thiruselvan S participated in workshop held at IIT Madras , From 13th October 2023 to 15th October 2023

GDG DEVFEST 2023

Ms. Kavyashree N , Mr. Kishore M , Mr.Logesh G , Mr. Mukesh R attended GDG Devfest 2023 at Kumaraguru College Of Technology, Coimbatore on 28th October 2023.

BUG BATTLE

Mr. Velmani , participated in Bug Battle held at Anna University Regional Campus, Coimbatore , 31th October 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

NATIONAL LEVEL SYMPOSIUM

Mr. Narmitha V participated in National Level Symposium held at PSG College of Engineering , Coimbatore , 12th October 2023

NATIONAL LEVEL SYMPOSIUM

Mr. Sakthivel V, Mr. Saranesh Pandian S P M, Mr. Yeswant S participated in National Level Symposium held at Sri Ramakrishna College Of Engineering, Coimbatore , 12th October 2023

NATIONAL LEVEL SYMPOSIUM

Ms. Kavitha R , Ms. Sabeenamuki M , Ms. Sahana D , Mr. Velmani B participated in National Level Symposium held at Anna University Regional Campus , Coimbatore , 31st October 2023

CRICKET TOURNAMENT, HANDBALL, VOLLEY BALL (INTER UNIVERSITY)

Mr. Mohan Krishna M participated (team) in Cricket Tournament, Handball , Volly Ball held at , 11th July 2023

SREC ALIMNI TROPHY (INTER UNIVERSITY)

Mr. Mohan Krishna M participated (team) in SREC Alumini Trophy held at Sri Ramakrishna Engineering College, Coimbatore, 1st August 2023

VOLLEYBALL (MEN)(INTER UNIVERSITY)

Mr. Praveen V V participated (team) in Inter University - Volleyball(MEN) at Karpagam Academy of Higher Education , Coimbatore , 26th August 2023

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DEPARTMENT OF INFORMATION TECHNOLOGY

CRICKET(MEN) (INTER- UNIVERSITY)

Mr. Mohan Krishna M participated in Cricket(MEN) (Team) tournament held at Dr. NGP Arts and Science College , 26th August 2023

HANDBALL (MEN) (INTER-UNIVERSITY)

Mr. Likeeth L , Mr Tharun Raj, participated in Handball(MEN) (Team) held at Madhurai Thiyagaraja College, Madhurai, From 7th September 2023 to 8th September 2023

KONGU TROPHY VOLLEYBALL (MEN) (INTER UNIVERSITY)

Mr. Praveen V V R , Mr. Balamuralikrishnan V participated in Kongu Trophy Volleyball(men) (Team) held at Kongu Engineering College, Perundhurai , From 8th September 2023 to 11th Sepetember 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT CRICKET (MEN) (INTER-UNI)

Mr. Mohan Krishna M participated in Anna University Zone- 10 Tournament Cricket (MEN) (Team) held at , 28th August 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT BADMINTON WOMEN

Ms. Sindhuja participated in Anna University Zone - 10 Tournament Batmiton Women (Team) held at Anna University Regional Campus , Coimbatore, 9th October 2023 to 13th October 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT VOLLEY BALL WOMEN

Ms. Kavyashree N, Ms. Dharshini Priya P , Ms. Dharshini Priya P, Ms. Sindhuja participated in Anna University Zone - 10 Tournament Batmiton Women (Team) at Anna University Regional Campus , Coimbatore , 9th October 2023 to 13th October 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

ANNA UNIVERSITY ZONE - 10 TOURNAMENT (INTER-UNIVERSITY)

Mr. Mohan Krishna M , Mr. S Harish participated in Anna University Zone - 10 Tournament (Team) tournament held at Sri Krishna College of Technology, Coimbatore, 10th October 2023 to 11th October 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT (INTER-UNIVERSITY)

Mr. Mohan Krishna M , Mr. S Harish participated in Anna University Zone - 10 Tournament (Team) tournament held at Sri Krishna College of Technology, Coimbatore, 13th October 2023 to 14th October 2023

ANNA UNIVERSITY ZONE - 10 ATHELETICS

Mr. V Athithyan , Ms. Sindhuja S participated in Anna University Zone - 10 Atheletics (Team) held at Sri Krishna College of Technology, Coimbatore , From 16th October 2023 to 18th October 2023

SSEC FOUNDER TROPHY, MEN

Mr. Mohan Krishna M, Mr. Harish S participated in SSEC Founder Trophy (MEN) (Team) held at , 17th October 2023 to 19th October 2023

SSEC FOUNDER TROPHY, MEN

Mr. V V Praveen participated in SSEC Founder Trophy MEN held at , 18th October 2023 to 20th October 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT

Mr. Rajendiran R , Mr. Vetri S,participated in Anna University Zone - 10 Tournament at Hindustan College of Engineering and Technology, 28th October 2023 to 31st October 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

ANNA UNIVERSITY ZONE - 10 TOURNAMENT CHESS MEN

Mr. Sudharsan S, participated in Anna University Zone - 10 Tournament Chess Men (Team) tournament held at Anna University Regional Campus, Coimbatore, 2nd Novemberr 2023 to 4th November 2023

ANNA UNIVERSITY ZONE - 10 TOURNAMENT KHO - KHO MEN

Mr. Yeswanth ,Mr. Deepak Kumar, participated in Anna University Zone - 10 Tournament Kho-Kho Men (Team) tournament held at Sri Krishna College of Technology, Coimbatore, 20th November 2023 to 21st November 2023

ZETRA 3.0

Mr. Ajai K participated in ZETRA 3.0 (Team) held at San Academy of Architecture, Coimbatore , 25th September 2023

MOU SIGNED

Prompt Infotech

Department Of Information Technology conducted a seminar on "Seminar on "Everything About Cyber Crimes and Ethical Hacking" and signed MOU with Prompt Infotech on 17th August 2023.

COORDINATORS:

Ms. Geethu Mary George AP/IT
Mr. Nagaraj S AP / IT

Cihan University - Duhok

Department of Information Technology conducted a seminar on "Future trends and innovation in IOT" and signed MOU with Cihan University - Duhok , Kurdistan Region, Iraq on 25th August 2023.

COORDINATORS:

Ms.Sreeja B P, AP / IT
Ms.Gayathri S, AP / IT

SAT Infosys

Department of Information Technology Conducted Seminar on "Current Wireless Networking Trends" and signed MOU with SAT Infosystems on 12th October 2023.
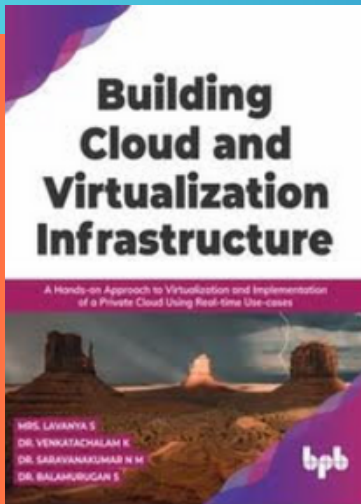
COORDINATORS:

Ms. Geethu Mary George AP/IT
Mr. Nagaraj S AP / IT

BOOK PUBLICATIONS

Building Cloud and Virtualization Infrastructure
by Dr Saravana Kumar N M

The book 'Building Cloud and Virtualization Infrastructure' covers the designing of a private cloud using various components and tools on various platforms such as AWS and OpenNebula. This book includes network virtualization and integrated technologies such as the Internet of Things and how to create web servers/instances on Amazon Web Services and OpenNebula. The readers will gain a better understanding of the concept of resource management, which offers benefits such as cost savings and improved manageability after reading this book. They will also learn disaster recovery, techniques, and tools to support virtualization, as well as the security challenges inherent in cloud platforms, the various IAM roles and their associated security, and various security standards.

Privacy Preserving blockchain-based healthcare (Book Chapter)
### by Dr Saravana Kumar N M

Topics considered include intelligent e-Health systems, electronic health records, ICT-enabled personal health systems, mobile and cloud computing for e-Health, health monitoring, precision and personalized health, robotics for e-Health, security and privacy in e-Health, ambient assisted living, telemedicine, big data and IoT for e-Health, and more.

# BOOK PUBLICATIONS

Compiler Design by Ms. Suganya A

book authored by B. Mohanraj, A. Suganya, and D. Abdul Jaleel. It delves into the intricacies of compiler design and optimization, drawing from the expertise and experience of the authors in the field of computer science and engineering.
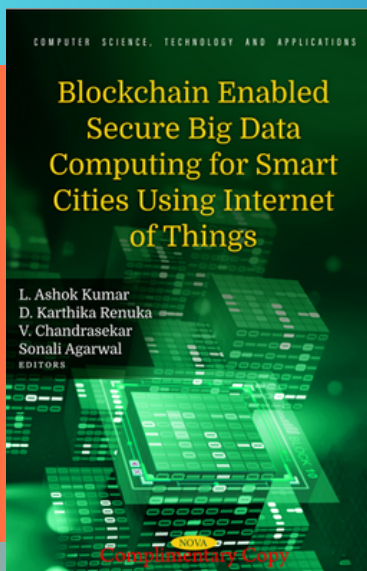
Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of things (Book Chapter) by Ms. Suganya A

Smart cities are becoming increasingly popular worldwide as cities grow; technology evolves and improves daily "Smart Cities" envision to provide a healthy, happy and sustainable urban ecosystem by integrating the information and communication technology (ICT), Internet of things (IoT) and citizen participation to effectively manage and utilize city infrastructure and services. A smart city uses the Internet of Things (IoT), artificial intelligence, and other data-gathering technology to help it run more efficiently.

BOOK PUBLICATIONS
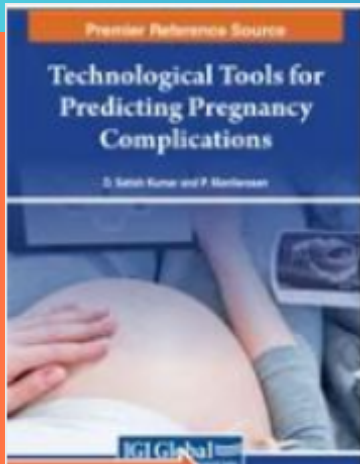
Technological Tools for Predicting Pregnancy Complications
by Ms. Suganya A

Technological Tools for Predicting Pregnancy Complications not only identify the problem but offer an authoritative solution. It serves as a beacon of knowledge for academic scholars, providing a holistic exploration of how Artificial Intelligence (AI) and Machine Learning (ML) technologies can revolutionize maternal healthcare. With a laser focus on predictive models, comprehensive health data analysis, and innovative algorithmic approaches, this book equips scholars with the tools they need to navigate the ever-evolving landscape of pregnancy complications.