

Dr. MAHALINGAM

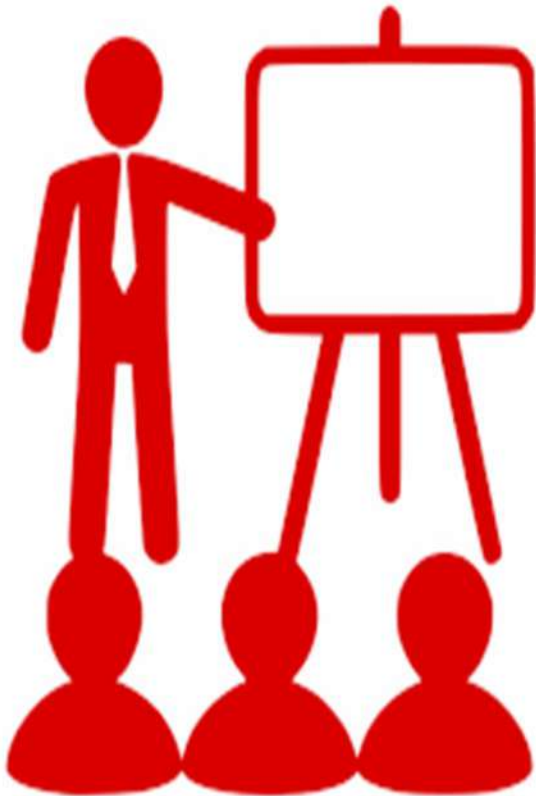


COLLEGE OF ENGINEERING AND TECHNOLOGY  
Enlightening Technical Minds

# INFORMATION TECHNOLOGY

## INFO QUEST

(A TECHNICAL MAGAZINE)



Volume :12

Issue :1

Month :Jun 2019

## ABOUT THE COLLEGE

Dr.Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 by Dr.M.Manickam with a view to commemorate the 75th birth year of his beloved father Arutchelvar Dr.N.Mahalingam with a mission to impart high quality competency based education in Engineering & Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. MCET is a self financing, co-educational Engineering College and it is approved by AICTE, New Delhi & affiliated to Anna University. The Institute has been accredited by NAAC with A++ and 7 UG Programmes (CSE, EEE, EIE, ECE, Civil, Mech., Auto.) are accredited with Tier-1 by NBA. The MCET currently offers 10 UG, 6 PG and 5 doctoral programme in Engineering, Technology and Science.



## ABOUT THE DEPARTMENT

The department of Information Technology was established in 1999, offers B.Tech (IT) programme, Affiliated to Anna University and Approved by AICTE. The faculties of the department have over 100 publications in conferences and journals like IEEE Transactions, Springer Verilog, Wiley, IET, CSI, etc. During the last five years, the department has conducted handful of National conferences, seminars and skill trainings sponsored by AICTE, CSIR, PMKVY, Infosys, TNSCST. The areas of expertise of the faculty members include Information processing, Data Base Management, Software Engineering, Web Technologies and Networking, etc.,

Our Department and EMC2, Bangalore have signed an MOU to provide training to the students in information storage management. Our department and SAP, Bangalore have signed an MOU to provide training for students on SAP products and business applications. Our department and VMware, Bangalore have signed an MoU to provide training for the students on VMware products and business applications. Our department and National Research Development Corporation have signed an MoU to provide support on patenting & technology commercialization.



Vision & Mission



Info bee



Student Activity



Staff Activity



Training &  
Placement

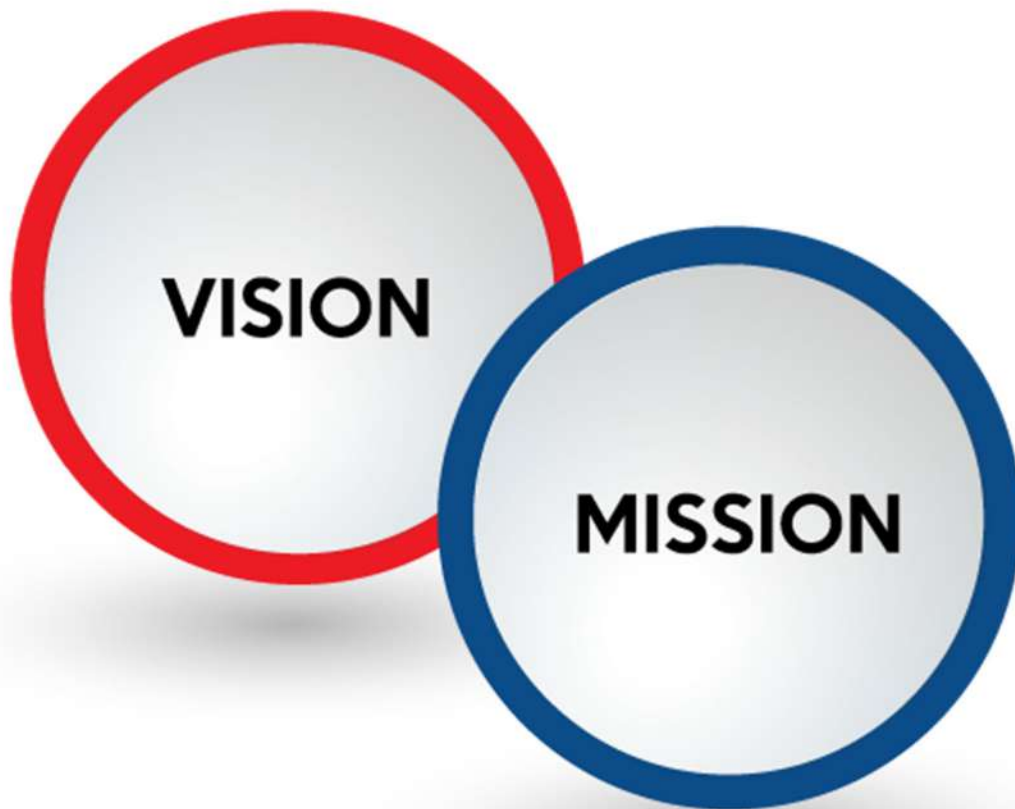


Drawing &  
Photography



Articles





## Vision :

To become a Centre of Excellence in education and research in the field of Information Technology, to meet global challenges in computing industries.

## Mission

- ▶ To impart world-class knowledge in the field of Information Technology.
- ▶ To promote industry-institute interactions to empower the faculty members and students.
- ▶ To support and facilitate research and development activities.
- ▶ To develop all round personality by inculcating the values and skills needed for students to upgrade themselves as IT professionals.

## Programme Educational Objectives (PEOs)

### The graduates will:

#### PEO1. Technical Expertise:

Have high level of technical competency to identify problems and to generate innovative solutions, which would conform to the needs of IT industry.

#### PEO2. Lifelong Learning:

Successfully adapt to changes in roles and responsibilities, through lifelong learning, for collaborating professionally with various stakeholders.

#### PEO3. Ethical Knowledge:

Ethically apply their computing knowledge and skills considering societal, economic and environmental factors.

- PO 1. Engineering knowledge
- PO 2. Problem analysis
- PO 3. Design/development of solutions
- PO 4. Conduct investigations of complex problems
- PO 5. Modern tool usage
- PO 6. The engineer and society
- PO 7. Environment and sustainability
- PO 8. Ethics
- PO 9. Individual and team work
- PO 10. Communication
- PO 11. Project management and finance
- PO 12. Life-long learning

### Programme Specific Outcomes (PSOs)

- PSO 1. Open Source Software
- PSO 2. Data Science



**Info**  
**Bee**





## InfoBee – IT Technical Association Inauguration

### Report of Guest Lecture on “Data Analytics and its Future Scope”

InfoBee - IT Department Technical Association was inaugurated on **27.07.2019** by **Mr. Dhamodharan**, Data Analyst, Duratech Solution, Coimbatore. The inauguration function was followed by a guest lecture on **“Data Analytics and its Future Scope”**.

**Mr. K. Balasamy**, AP/IT faculty in-charge of IT Association introduced the office barriers of InfoBee for the academic year 2019 - 2020 to the gathering. **Dr. S. Ramakrishnan**, HoD/IT address the gathering. During his address, he stresses importance of participation in co-curricular and extra-curricular activities. He asked the students to participate in more activities.



The chief guest **Mr. Dhamodharan** explained the importance of Data Science Technologies in the current world. As we are in technology - driven age and we should be aware to manage the growing needs of the companies and customers with regards to the same. In such a scenario the role of data science becomes very perilous to manage the demands. He gave some real time examples like self - driven car, google newsfeed etc., Finally, he conclude with the various opportunities available in the field of Data Science.

### IT Technical Association Members

President : **Ms. Kaviya P**

Secretary : **Ms. Kowsalya**



Date: **27.07.2019**

Venue: **C.S Hall**



# STUDENT ACTIVITY

Workshop

Paper Presentation

Inter & Intra collegiate competition

Seminar

Inplant training

# Workshop



Program Name: **DATA SCIENCE WITH R AND WEKA**

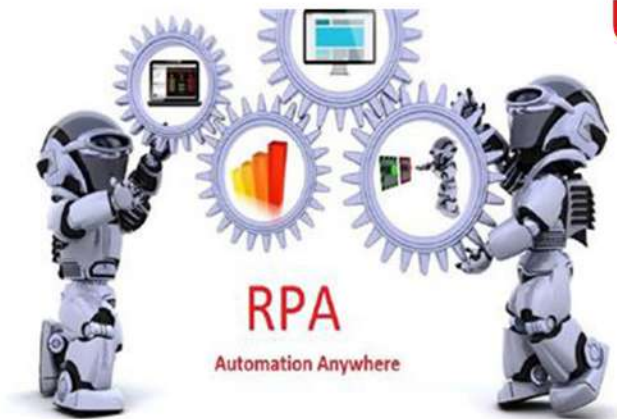
No of Participants: 12

Venue:CC Lab, MCET

Date:10.06.19 to 14.06.19



Program Name: **Robotic process Automation use UI path Workshop**



No of Participants: 8

Venue:CC Lab, MCET

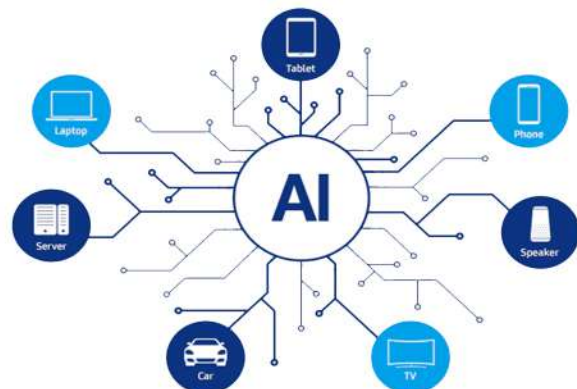
Date:29.06.2019

Program Name: **Artificial Intelligence using IOT**

No of Participants: 8

Venue:CIT, Coimbatore.

Date:28.08.2019



Title: **Computer Vision and Human Age Estimation**

No of Participants: 3

Place:CIT, Coimbatore.



Date: 29.08.2019

Title: **5G Wireless technology**

No of Participants: 3

Place:CIT, Coimbatore



Date: 29.08.2019

Event Name :National Science & Technology Fair

Project Title: Life Saver- A blood &organ Donation portal

No of Participants: 4

Venue : Codissia coimbatore

Date: 29.08.2019  
to  
31.08.2019

Event: Brainstrain 2019

No of Participants: 1

Venue : GCT , Coimbatore

Date: 30.08.2019

Event: Pair Programming

No of Participants: 3

Venue :CIT, Coimbatore

Date: 29.08.2019

Event: Loop Blind Coding (Hashtag 2.0)

No of Participants: 8

Venue :CIT, Coimbatore

Date: 29.08.2019

Winner: Ram Priya (17BIT079) 3rd prize

Event: **Code-O-Fest**  
(Hashtag 2.0)

Venue : **Government College of Technology,**  
**Coimbatore**

Winners:

**S.Deepak(17BIT005) , A.Ameer Suhail(17BIT043) ,**  
**M.Siranjeevi(17BIT007) , V.Vignesh Prabhu(17BIT065)**  
(2nd prize)





## INPLANT TRAINING

### APPIN TECHNOLOGIES, COIMBATORE

Period of Training: 07.06.2019 to 13.06.2019

No of Participants: 6

### COMMISSIONER OFFICE-GURUGRAM, HARYANA

Period of Training: 06.06.2019 to 02.07.2019

No of Participants: 1

### NANDHA INFOTECH, COIMBATORE

Period of Training: 03.06.2019 to 05.06.2019

No of Participants: 2

### AES TECHNOLOGY, COIMBATORE

Period of Training: 25.05.2019 to 30.05.2019

No of Participants: 1

### CTRL - ALT - DEL, POLLACHI

Period of Training: 23.05.2019 to 13.06.2019

No of Participants: 2

### AES TECHNOLOGIES, COIMBATORE

Period of Training: 24.05.19 to 28.05.19

No of Participants: 1



**NANDHA INFOTECH, COIMBATORE**

Period of Training: 29.05.2019 to 31.05.2019

No of Participants: 4

**VESTIGE TECHNOLOGY PRIVATE LIMITED, COIMBATORE**

Period of Training: 27.05.2019 to 28.05.2019

No of Participants: 1

**UNIQ TECHNOLOGIES, CHENNAI**

Period of Training: 25.05.2019 to 31.05.2019

No of Participants: 1

**ISCLOR, COIMBATORE**

Period of Training: 23.05.2019 to 03.06.2019

No of Participants: 3

**NURTURE IT TRAINING CENTER, ERODE**

Period of Training: 20.05.2019 to 30.05.2019

No of Participants: 2

**GO ECODE TECHNOLOGIES, BANGALORE**

Period of Training: 20.05.2019 to 22.05.2019

No of Participants: 1

**SHREWD BUSINESS, COIMBATORE**

Period of Training: 19.05.2019 to 01.06.2019

No of Participants: 2

**SHREWD BUSINESS SOLUTIONS, COIMBATORE**

Period of Training: 01.06.2019 to 15.06.2019

No of Participants: 1

**E-BOX ACADEMY BANGLORE**

Period of Training: 30.05.2019 to 01.06.2019

No of Participants: 1

**MANFREE TECHNOLOGIES, COIMBATORE**

Period of Training: 30.05.2019 to 04.06.2019

No of Participants: 10

**SAKTHI AUTOMOBILES COMPONENT LIMITED  
(SACL), PERUNDURAI**

Period of Training:30.05.2019 to 12.06.2019

No of Participants: 3

**E-BOX AN AMPHISOFT ACADEMY, BANGALORE**

Period of Training:30.05.2019 to 01.06.2019

No of Participants: 1

**SIEMENS GAMESA RENEWABLE ENERGY PRIVATE LIMITED**

Period of Training:27.05.2019 to 20.06.2019

No of Participants: 1

**CODE BIND TECHNOLOGY, COIMBATORE**

Period of Training: 06.06.2019 to 12.06.2019

No of Participants: 16

**BSNL**

Period of Training: 03.06.2019 to 07.06.2019

No of Participants: 1

**SHREWD BUSINESS SOLUTIONS, COIMBATORE**

Period of Training: 03.06.2019 to 17.06.2019

No of Participants: 9

**KAASHIV INFO TECH, CHENNAI**

Period of Training: 03.06.2019 to 07.06.2019

No of Participants: 1

**LITZ TECHNOLOGY, COIMBATORE**

Period of Training: 01.06.2019 to 10.06.2019

No of Participants: 1

**E-BOX ACADEMY BANGLORE**

Period of Training: 30.05.2019 to 01.06.2019

No of Participants: 1



# STAFF ACTIVITY

- ➔ *Workshop*
- ➔ *Seminar*
- ➔ *Book Publishing*
- ➔ *Paper Publishing*

# Workshop

## Development Programmes

Summer School Special Programme  
Workshop on "DATA SCIENCE WITH R AND WEKA"

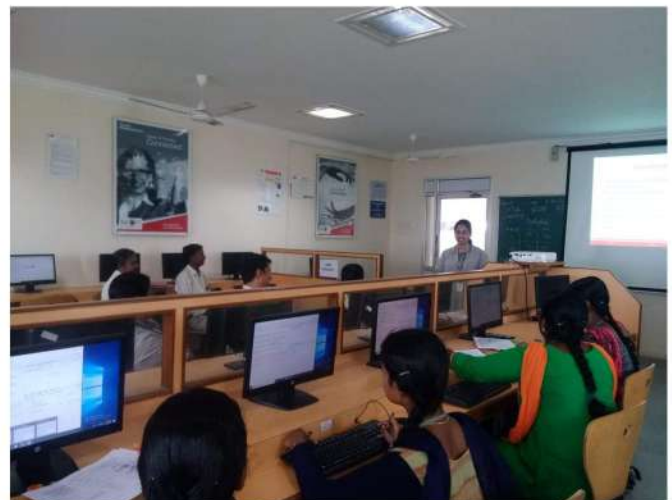
Workshop Organized:



Dr.S.Ramakrishnan, Prof. & Head  
Dr.A.P.Janani, ASP  
Dr.A.B.Arockia Christopher, AP(SG)  
Venue : CC Lab, MCET  
Date : 10.06.19 to 14.06.19

Workshop Attended:

Dr. A.S.Muthanatha Murugavel , ASP  
P.Sathyamoorthi, AP(SS)  
Mr. K.Balasamy, AP  
Mr.K.Kanagasabapthi, AP  
Ms.T.Sumathi, AP  
Mr. N.Praveen Sundra Kumar, AP  
Mr. S.Sasidharan, AP



## DevOps Technologies

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Ms.T.Sumathi, AP/IT

Resource person: Mr.R.Dhamodharan, Data Analyst,  
Duratech Solutions, Coimbatore

Venue : CC Lab, MCET

Date : 10.06.19 to 14.06.19

No. of Participants: 38



## Graphics using C++

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Ms.S.Nithya, AP(SS)/IT

Resource person: Ms. V.Madhumathi, Senior Developer,  
CTS, Coimbatore



Venue : Operating System Lab

Date : 27.07.2019

No. of Participants: 31

## Linux Shell

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Mr.K.Kanakasabapathy, AP/IT

Resource person: Ms.R.Boopathi kumar,  
CEO & founder, Train the Trains Pvt  
Ltd, Coimbatore

Venue : Cloud Computing Lab

Date : 27.07.2019

No. of Participants: 34

## IOT Using Raspberry –Pi

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Mr.P.Sathiyamurthi, AP(SS)/IT

Resource person: Mr.T.Nallaperumal,  
Co-owner & CTO, Appville Softwares,  
Coimbatore

Venue : Operating System Lab

Date : 13.07.2019

No. of Participants: 32

## R Programming

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Mr.P.Ramprakash, AP/IT

Resource person: Ms. V.Madhumathi, Senior Developer,  
CTS, Coimbatore

Venue : Software Engineering Lab

Date : 13.07.2019

No. of Participants: 31

## Advanced Java Script

### Workshop Organized:

Dr.S.Ramakrishnan, Prof. & Head

Mr.J.Dhyneshwaran, AP(SS)/IT

Resource person: Ms.R.Aarthi, AppDeveloper,  
Anulom Technologies Pvt Ltd, Coimbatore

Venue : Data Science Lab

Date : 13.07.2019

No. of Participants: 33



## Series of Lectures on Quality Aspects

### Workshop Participant:

Ms.D.Janani, AP

Ms.S.Soundariya, AP

Venue : Hall no.1, NPTC, Pollachi

Date : 20.7.2019

## Teaching Learning convention

### Workshop Participant:

Ms.Meenachi, AP(SS)

Ms.S.Nithya, AP(SS)

Mr.P.Ramprakash, AP

Mr.P.Sathiyamoorthi, AP(SS)

Mr.N.Krishnaraj, AP

Mr. N.Praveen Sundra Kumar, AP

Ms.S.Soundariya, AP

Venue : OBE Seminar Hall

Date : 13.07.2019

## Advance Robotic Process Automation Developer

### Workshop Participant:

Dr. A.S.Muthanantha Murugavel , ASP

Mr.N.Krishnaraj , AP

Mr.K.Kanagasabapathi, AP

Mr.J.Dhyaneshwaran,AP

Ms.A.G.Priya Varshini, AP

Venue : CC Lab, MCET

Date : 29.06.2019

## Python workshop

### Workshop Participant:

Ms.S.Ponni @ Sathya, AP(SS)

Mr.K.Balasamy, AP

Mr.P.Ram Prakash, AP

Mr.N.Krishnaraj , AP

Mr.J.Dhyaneshwaran,AP

Mr.N.Praveen Sundra Kumar, AP

Ms.T.Sumathi, AP

Ms.A.G.Priya Varshini, AP

Ms.S.Soundariya, AP

Ms.A.Logeswari, AP

Venue : IITB, MCET, Pollachi.

Date :22.6.2019

## AICTE Sponsored Two Week FDP on “Network Security and CMOS Mixed Signal Architectures”

Workshop Participant:

P.Sathyamoorthi, AP(SS)

Venue : Dept. of ECE, MCET

Date : 27.5.2019 to 9.6.2019

## Advance Robotic Process Automation Developer

Workshop Participant:

Mr.S.Sasidharan, AP

Venue : SRM University, Chennai.

Date : 03.06.2019 to 07.06.2019



# Seminar

## INFYTQ Foundation Program

### Participant:

Ms.D.Janani, AP

Venue : Erode Sengunthar Engineering College,  
Perundurai

Date : 27.06.19 to 29.06.19

### Participant:

Ms.D.Janani, AP

Venue : Sri Krishna College of Engineering and  
Technology, Coimbatore

Date : 24.06.19 to 26.06.19

## Mind Brain Education

### Participant:

Dr.A.P.Janani, ASP

Ms.S.Nithya, AP(SS)

Venue : OBE Seminar Hall, MCET, Pollachi.

Date : 29.07.2019

## Intellectual Property Rights and Indian Patent Act

### Participant:

Dr.A.S.M.Murugavel, ASP  
Dr.M.Balakrishnan, AP(SG)  
Dr.A.B.A.Chirstopher, AP(SG)  
Ms.Meenachi, AP(SS)  
Mr.P.Sathyamoorthi, AP(SS)  
Ms.S.Nithya, AP(SS)  
Ms.S.Ponni @ Sathya, AP(SS)  
Mr.N.Praveen Sundra Kumar, AP

Venue : IITB, MCET, Pollachi.

Date : 22.7.2019

## Salesforce Essentials for Business Specialists

### Participant:

Mr.N.Krishnaraj, AP

Venue : KS Rangasamy College of Technology,  
Thiruchengode.

Date : 05.08.2019 to 09.08.2019

## Book Publishing

### Title: Handbook of Multimedia Information Security: Techniques and Applications

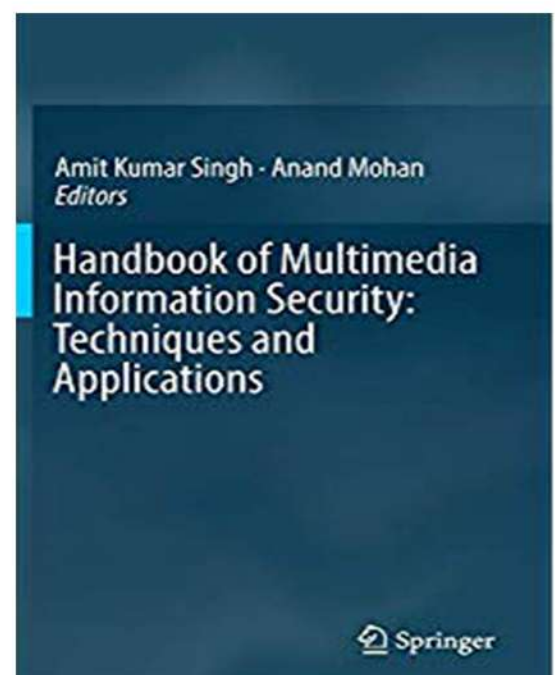
#### Faculty:

Dr.S.Ramakrishnan, Prof. & Head  
Dr.T.Gopalakrishnan, Prof./ EEE,  
Karpagam College of Engineering, Coimbatore.

Chapter Name: Performance Analysis of Image Encryption Methods Using Chaotic, Multiple Chaotic and Hyper-Chaotic Maps in the following book "Handbook of Multimedia Information Security: Techniques and Applications" edited by Amit kumar Singh & Anand Mohan, published by Springer.

Date of Publication

20.07.2019



# Title: Handbook of Research on Intelligent Data Processing and Information Security Systems

## Faculty:

Dr.S.Ramakrishnan, Prof. & Head

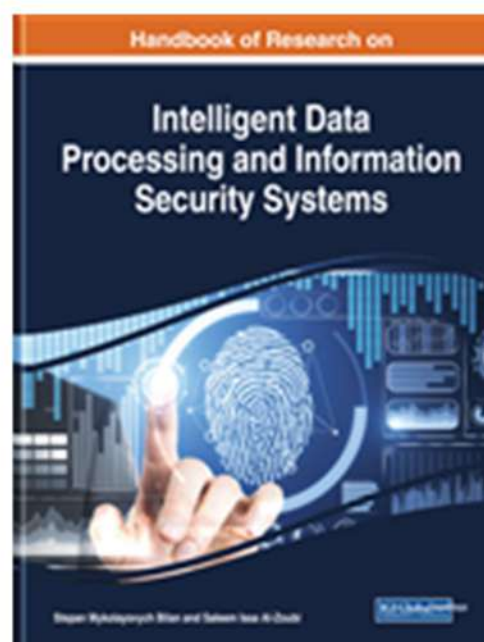
Dr.T.Gopalakrishnan, Prof./ EEE,

Karpagam College of Engineering, Coimbatore.

Chapter Name: Association Rule-Mining based Intrusion Detection System with Entropy Based Feature Selection: Intrusion Detection System in the following book "Handbook of Research on Intelligent Data Processing and Information Security Systems" edited by Stepan Mykolayovych Bilan and Saleem Issa Al-Zoubi, published by IGI Global.

Date of Publication

July 2019



## Paper Publishing

**Title:** Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM

**Faculty:**

Dr.S.Ramakrishnan, Prof. & Head

Dr.A.S.Muthanantha Murugavel, ASP

**Title of the Journal :** Springer - Pattern Analysis and Applications

**Date of Publication :** August 2019

**Pages :** 1161-1678





# Title: Testing and analysis of Chen Chaotic Mapping for Speech Cryptography

## Faculty:

Dr.S.Ramakrishnan, Prof. & Head  
Mr.P.Sathyamoorthi, AP(SS)

Title of the Journal : Journal of Testing and Evaluation

Date of Publication : July 2019

Pages : 3028-3040



# Placements & Training



1024X Innovations(Servitor) Pvt. Ltd.



No of Students Placed: 1

Pay: 4.0 L.P.A

Examly Pvt. Ltd.



No of Students Placed: 1

Pay: 4.0 L.P.A

ValueLabs Pvt. Ltd.



No of Students Placed: 2

Pay: 4.5 L.P.A

Coding Mart Pvt. Ltd.



No of Students Placed: 1

Pay: 4.2 L.P.A

Tata Consultancy Services Ltd.



No of Students Placed: 11

Pay: 3.36 L.P.A

GainInsights Solutions Pvt. Ltd.



No of Students Placed: 1

Pay: 3.75 L.P.A

## VVDN Technologies Pvt. Ltd



No of Students Placed: 3

Pay: 3.2 L.P.A

## ZOHO Corporation Pvt. Ltd.



No of Students Placed: 1

No of Trainee: 6 Pay: 6.5 L.P.A

## KAAR Technologies Pvt. Ltd.



No of Students Placed: 3

Pay: 5.0 L.P.A

## Kaladi Consulting Pvt. Ltd.



No of Students Placed: 5

Pay: 4.5 L.P.A

## Sopra Steria Pvt. Ltd.



No of Students Placed: 1

Pay: 4.0 L.P.A

## Vuram Technology Solutions Pvt. Ltd.



No of Students Placed: 2

Pay: 4.5 L.P.A

# Drawing & Photography





Sangavi V  
3rd Year-IT



Shabirahamed S  
3rd Year-IT



Eshasri S  
3rd Year - IT



Venkatesh R  
IV Year-IT



Poovendran J  
IV Year-IT



Mohamed Jassim M  
IV Year - IT



Articles



## BITCOINS

Bitcoin is a cryptocurrency which is nothing but an electronic cash .This was invented by an unknown person or a group of people using the name Santoshi Nakamoto and released as an open source software in 2009. 1 bitcoin is actually equals to 2,74,880.81 in Indian rupees. This may become as future form of currency. In recent days many people are investing in bitcoin . It is a decentralized digital currency without a central bank or single administrator that can be sent from user to user or peer to peer bitcoin network without the need for intermediates. Transactions are recorded using blockchain method . This may rock the future. Eric Schmidt noted "BITCOIN is a remarkable cryptographic achievement and the ability to create something that is not duplicable in the digital world has enormous value"

**"REAL TRANSFORMATION BEGINS WHEN YOU EMBRACE YOUR PROBLEMS AS AGENTS FOR GROWTH"**



**S.HARINIE(17BIT075) 3rd year IT**

## TATA CONSULTANCY SERVICE

Tata Consultancy Services Limited (TCS) is a subsidiary of the Tata Group, an Indian information technology consulting and business solutions company which operates in 46 countries worldwide. TCS Limited was founded in 1968 by a division of Tata Sons Limited. Its early contracts included punched card services to TISCO (now Tata Steel), working on an Inter-Branch Reconciliation System for the Central Bank of India. In 1975 TCS made an electronic depository and trading system called SEMCOM for Swiss company. TCS also established India's first software research and development center called Tata Research Development and Design Centre in Pune, Maharashtra. On 25 August 2004, TCS became a Publicly Listed Company.

N.Chandrasekaran is the chairman of the Tata consultancy services. Rajesh Gopinathan is the CEO and Managing Director of Tata Consultancy Services. TCS provides a wide range of information technology-related products and services including application development, business process outsourcing, capacity planning, consulting, enterprise software, hardware sizing, payment processing, software management, and technology education services.



**Yogesh.S**  
**IV Year IT**

## KAAR TECHNOLOGIES

Kaar Technology was founded in the year of 2005. Kaar Technologies is a global IT firm focused on providing SAP services like SAP ERP Implementation, SAP Upgrade, SAP Rollout, SAP module implementation and SAP Support Services for different verticals in the industry like Oil & Gas, Petrochemicals, Manufacturing, Public Sectors, Engineering & Construction, Transportation, Education, Healthcare, Media and FMCG. The headquarters of Kaar Technology is located in Chennai, Tamil Nadu.

With a strong base of 750 SAP associates and through many successful ventures and partnerships, Kaar has completed over 1000 SAP projects and worked with many reputed organizations world over. Kaar has offices in KSA, Kuwait, Oman, Qatar, Bahrain, UAE, UK, Netherlands, Denmark, USA, China, Singapore, and Malaysia. Additionally, Kaar has two delivery centres, one in KSA and one in India respectively. The company size of Kaar Technology is 501-1000 employees. The specialities are Business Consulting, SAP Consulting and Services. A CMMI level 3 rated company headquartered in Chennai (India).



**Pavan.S**  
**IV Year IT**

**Editorial Board**

**Chief-Editor**



Dr.S.Ramakrishnan

**Editor & Coordinator**



Dr.A.B. Arockia Christopher

**Co-Editor & Coordinator**



Dr.M.Balakrishnan

**Designer**



Mr.R.Venkatesh



Mr.J.Poovendran