



# INFORMATION TECHNOLOGY

QUARTERLY CHRONICLE

## ABOUT DEPARTMENT

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The Department of Information Technology was established in the year 1998-99. The department offers B.Tech. (IT) programme, which combines faculties with expertise in various fields and good laboratory facilities for imparting knowledge to the students. This enables students to face the challenging needs of the industries and research institutions. The department is affiliated to Anna University & B.Tech. Information Technology Programme is accredited by the National Board of Accreditation (NBA), AICTE, New Delhi.

**HEAD OF THE DEPARTMENT:**

*Dr.E.A Mary Anita*

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#### **EDITORIAL CHIEF:**

Dr.E.A Mary Anita HOD/IT

#### **EDITORIAL MEMBER:**

MRS.V.Auxilia Osvin Nancy AP/IT

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*The only way to discover the limits of the possible is to go beyond them into the impossible.”*

*–Arthur C. Clarke*

## OUR VISION

- To transform our department into a quality hub, by providing technology updated education with ethical values.

## OUR MISSION

- To develop our students, with comprehensive knowledge across the technological areas and to build their ability, to apply the technical theory, design and implementation for the given problems.
- To prepare our students, by facilitating an prominent environment for their learning and applications of Information Technology, which will enable them to work in teams and to become successful in their careers.



“

There's a way to do it better – find it.”

–Thomas A. Edison

- To motivate Scientific Research among students, that will help them in establishing technological innovations and management for the society.

## PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) :

- PEO I: (Professional Learning) Our graduates will have mathematical skills, continuing self directed learning to sustain a lifelong career for their professional development.
- PEO II: (Optimistic Achiever) Our graduates will have ability to articulate their expertise, by solving problem of interest, through application of technology using, algorithms, design and implement, to meet the needs of employers.
- PEO III: (Cognitive Intelligence) Our graduates will be capable of incorporating the impact of innovation and as well uphold the knowledge of ethical and moralities on their work.
- PEO IV: (Social Identity) Our graduates will have effective communication skills, social responsibilities and will work cooperatively in interdisciplinary environments
- PEO V: To ensure graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.
- PEO VI: To enrich graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise.
- PEO VII: To enable graduates to think logically, pursue lifelong learning and will have the capacity to understand technical issues related to computing systems and to design optimal solutions.
- PEO VIII: To enable graduates to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context
- PEO IX: To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.



## GUEST LECTURE

### "DATA STRUCTURES"

**Date:22.08.19**

**Chief Guest Dr. B. Bharathi, Associate Professor, Department of Computer Science & Engineering, SSN College of Engineering Chennai, delivered an inspiring speech to second year students.**



- She explained the types of data structure as linear and non-linear data structure and continued with advanced non-linear data structure. She explained the main difference between linear and nonlinear data structures as in the way they organize data elements.

- She explained the concepts of Trees in non-linear data structure.
- She continued the session by explaining the applications of trees.
- This guest lecture helped the students to gain knowledge in the data structure and they got an idea about this topic.



**GUEST LECTURE****“Data Ware Housing and Data Mining”****Date: 22.08.19**

**Chief Guest Dr .N.Sripriya Associate Professor Department of Information Technology SSN College of Engineering ,Old Mahabalipuram Rd, Kalavakkam, Chennai, delivered an inspiring speech to Final year students.**

- she started with the introduction of Data warehouse and Data Mining, a emerging current technology which is the collection of very huge data sets that are processed with conventional computing methodologies. •
- She also interpreted about Data warehouse, which varies depending on the capabilities of the users and their tools, and expanding capabilities make data warehouse a moving target. •
- She particularized about the Mining functionality Concept which is the current driving innovation.
- She also shared about Data Mining, a computational process of discovering patterns in large data sets and an interdisciplinary sub-field of computer science.



## GUEST LECTURE

### “Cloud Computing”

**Date: 13.09.19**

**Chief Guest Dr.R.Kumar School of Computing,VIT Chennai Campus, Chennai delivered an inspiring speech to Final year students.**

- He explained how the data can be stored and organized in cloud environment and emphasized that Cloud computing is a new form of Internet-based computing that provides shared computer processing resources and data to computers and other devices on demand.
- He was talking about mining primitives, he listed out the challenges of frequent pattern mining.
- He also explained the list of services available in cloud
- He explained the Cloud computing poses privacy concerns because the service provider can access the data that is in the cloud at any time.
- This motivated the students highly to learn and innovate things in cloud technology.



## GUEST LECTURE

### "Object Oriented Programming"

**Date: 13.09.19**

**Chief Guest Dr.G.Suganya School of Computing, VIT Chennai Campus, Chennai delivered an inspiring speech to Second year students.**



- The basics of Object Oriented Programming was discussed and gave brief introduction about all programming languages and listed the procedure to install java in various operating systems through demo.
- She explained the Fundamentals and basic operations in



such as Data types, Strings, Control Statements, Expressions, Inheritance, and Interface. ·

- The participants felt hands on experience with programs and got an idea in working environment of Object Oriented Programming.





## GUEST LECTURE

### "Placement Awareness Talk"

**Date: 30.09.19**

**Chief Guest Mr. C.X. Jeraldine Vji, Former CTS Assistant Vice President, Chennai delivered an inspiring speech to Final year students.**



## VALUE ADDED COURSE

### "Python with MySQL&MongoDB"

**Date: 26.8.19 to 28.8.19**

**Chief Guest Mrs.R.Suganya Corporate Trainer, Co-FounderUpstair to Axis Bank, No.5,, Rajaji Avenue, Valasaravakkam, Chennai delivered an inspiringspeech to Second year students.**

From this course Students:

- Learnt about the proper environment setup on machine.
- Gained knowledge on the development of web programs using Python
- Learnt how to develop web programs with database connectivity.



## VALUE ADDED COURSE

**"Java"**

**Date: 03.09.19 to 06.09.19 & 09.09.19**

**Chief Guest Mr. Rajendran Subramanian Corporate Trainer, Silicon Software Services, No.R-48 Q TVS Avenue Main Road, TVS Colony, Anna Nagar West Extension, Chennai delivered an inspiring speech to Third year students.**



## From this course Students:

- Learnt on Introduction to J2EE, J2EE
- Overview & Why J2EE. Gained knowledge in Servlets & JSP with hands on session.
- Learn JDBC with Hands on session

**VALUE ADDED COURSE****"Python and its Core"****Date: 03.09.19 to 06.09.19 & 09.09.19**

**Chief Guest Mr.Vinoth TVS Colony, Anna Nagar West Extension, Chennai delivered an inspiringspeech to Finalyear students.**

From this course Students:

- Learnt about the proper environment setup on machine.
- Gained knowledge on the development of web programs using Python.
- Python has been successfully embedded in many software products as a scripting language, including in finite element method software such as Abaqus, 3D parametric modeler like FreeCAD.
- Learnt how to develop web programs with database connectivity.





# INDUSTRIAL VISIT ON” DESIGN AND MANUFACTURING IN ENGINEERING SECTORS”

**Date: 25.09.19**

**Indian Institute of Information Technology Design & Manufacturing  
Melakottaiyur Village, NearKandigai, Off Vandalur-Kelambakkam  
Road, Nellikuppam, Chennai**



# INDUSTRIAL VISIT ON” DESIGN AND MANUFACTURING IN ENGINEERING SECTORS”

**Date: 26.09.19**

**Indian Institute of Information Technology Design & Manufacturing  
Melakottaiyur Village, NearKandigai, Off Vandalur-Kelambakkam  
Road, Nellikuppam, Chennai**



## PLACEMENT ACTIVITIES:

### *ACTIVITIES FOR III YEAR:*

- GUVI Training were conducted from 28th -29th January 2020

### *ACTIVITIES FOR IV YEAR:*

- SMART Training were conducted in the following period
  - 1st-2nd,4th -5th ,8th – 9th July2019
  - 13th September2019
  - 14th October2019

### *PLACEMENT DRIVES CONDUCTED IN S.A.ENGINEERING COLLEGE*

- "Capgemini" Campus Recruitment For 2016 Batch CSE / IT Students On 15th October2019.
- "Aspire Systemsi" Campus Recruitment For 2016 Batch CSE / IT Students On 19th October2019.
- "CEI America" Campus Recruitment For 2016 Batch CSE / IT Students On 31th October2019.
- "Avasoft" Campus Recruitment For 2016 Batch CSE / IT Students On 1st November2019.

## STUDENT ACTIVITIES:

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### *LIST OF STUDENTS PLACED*

The following students were placed in reputed company with good package.

- Nivedita Sarcara were placed in Capgemini
- Rajalakshmi S were placed in Aspire System
- Navaneethan S were placed in Aspire System
- Swathi J was placed in Hexaware Technology
- Yuvashri S was placed in Hexaware Technology
- Aasha M J was placed in Edupolis.
- Vasanthara E was placed in Edupolis.