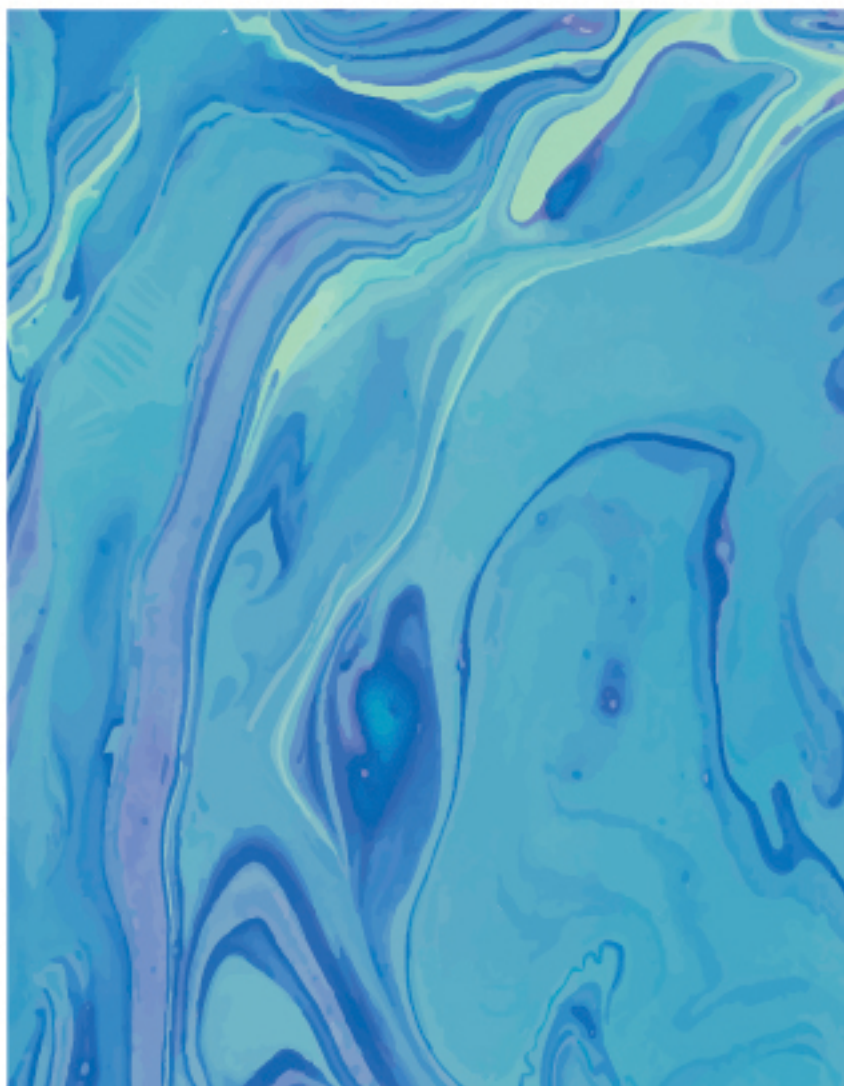


IT BULLETIN



Department of Information Technology

Newsletter Editorial Board

Editorial Committee: Dr.ManojKumar, Mrs. B.P. Sreeja

Student Members: Aishwarya M, Anitha M

Department of Information Technology

VISION

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

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. **PEO1:** Graduates will be able to comprehend mathematics, science, engineering fundamentals, laboratory and work-based experiences to formulate and solve problems in the domain of Information Technology and acquire proficiency in computer-based engineering and the use of computation tools.
2. **PEO2:** Graduates will be prepared to communicate and work effectively on the multidisciplinary engineering projects and practicing the ethics of their profession.
3. **PEO3:** Graduates will realize the importance of self-learning and engage in lifelong learning to become experts either as entrepreneurs or employees in the field to widen the professional knowledge.

PROGRAMME OUTCOMES (Pos)

- **PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO-1** Ability to organize an IT infrastructure, secure the data and analyze the data analytic techniques in the field of data mining, big data as to facilitate in solving problems.
- PSO-2** Ability to analyze and design the system in the domain of Cloud and Internet of Things.

IT BULLETIN

DEPARTMENT OF INFORMATION TECHNOLOGY

Warm Welcome to

- ❖ Mr.Surenther I joined as Assistant professor on 03-04-2019
- ❖ Mr.Vikkram R joined as Assistant professor on 17-06-2019
- ❖ Ms.Gayathri S joined as Assistant professor on 17-06-2019
- ❖ Mrs.AntonitaShilpa J joined as Assistant professor on 15-05-2019
- ❖ Mr.Jegathesh P joined as Assistant professor on 17-06-2019
- ❖ Mrs.Saranya K joined as Assistant professor on 24-06-2019
- ❖ Ms.Arulmozhi P joined as Assistant professor on 28-07-2019
- ❖ Ms.Suganya A joined as Assistant professor on 10-06-2019

DEPARTMENT ACTIVITIES

- ❖ Conducted Workshop on "Data Analytics" on 03-08-2019.
- ❖ Conducted Hand on training on "Hardware and Networking" on 12-10-2019.
- ❖ Conducted CSIR sponsored Two days National level seminar on "Augmented Reality and Deep Learning with its application in medical diagnosis" From 21-11-2019 to 22-11-2019.
- ❖ Conducted Hands on Training -on "Hour of Code" on 17-12-2019 by CDM Kart Technologies, Coimbatore
- ❖ Conducted CSIR sponsored Two days National level seminar on "Role of Deep learning in Multidisciplinary Design Optimization (MDO) and its applications and Tools" From 13-12-2019 - 14-12-2019.

Book publication – International/ National level

Dr.V.Rajeswari

- ❖ Published Book on ' C Programming for Competitive Exams 'in 2019 Published by Royal Book Publishing international.
- ❖ Published Book on ' Coding Mart for Competitive Programming 'in 2019 Published by Royal Book Publishing international.

Ms.K.SakthiPriya

- ❖ Published Book on ' C Programming for Competitive Exams ' in 2019 Published by Royal Book Publishing international.
- ❖ Published Book on ' Coding Mart for Competitive Programming ' in 2019 Published by Royal Book Publishing international.

Seminar / Workshop / FDPs / STTPs – Presented / Attended

Dr. S. Manoj Kumar

- ❖ Attended Two -Weeks Faculty Development Programme on "Fundamentals of Machine Learning, deep learning and their applications in cyber security" from 14-11-2019 to 28-11-2019 at PSNA College of Engineering and Technology.

Dr.R.Madhumitha

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Cloud Computing" from 1-08-2019 to 30-10-2019 at Karpagam College of Engineering.

Mr.P.Jegathesh

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Programming in Java" from 1-07-2019 to 30-10-2019 at Karpagam College of Engineering.

Mr.R.Vikkram

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Joy of Computing Python" from 1-07-2019 to 30-10-2019 at Karpagam College of Engineering.

Ms. R. Mirdula

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Programming and data Structures using Python" from 1-07-2019 to 30-09-2019 at Karpagam College of Engineering.

Ms. S. Lavanya

- ❖ Attended one-Week Faculty Development Programme on "Cloud computing" from 25-11-2019 to 30-11-2019 at SNS College of Technology..
- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Introduction to Programming in C" from 1-07-2019 to 30-09-2019 at Karpagam College of Engineering.

Ms.B.P.Sreeja

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Cloud Computing" from 1-08-2019 to 30-10-2019 at Karpagam College of Engineering.

Ms.K.Saranya

- ❖ Attended Two -Weeks Faculty Development Programme on "Fundamentals of Machine Learning, deep learning and their applications in cyber security" from 14-11-2019 to 28-11-2019 at PSNA College of Engineering and Technology.
- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Joy of Computing Python" from 1-07-2019 to 30-10-2019 at Karpagam College of Engineering.

Ms.P.Arulmozhi

- ❖ Attended Two -Weeks Faculty Development Programme on "Fundamentals of Machine Learning Deep Learning and their applications in cyber security" from 14-11-2019 to 28-11-2019 at PSNA College of Engineering and Technology.

Journal publications:**Ms.MAHALAKSHMI K**

- ❖ Published a paper in a title of ' Implementation of Pixel Likeness Weighted Frame (Plwf) Filter Technique Based Digital Image Denoising for DSP Applications ' in International Journal of Recent Technology and Engineering, volume 8, Issue 3, PP 6887-6894, 2019

Mr.MANIKANDAN S

- ❖ Published a paper in a title of ' AN ANALYSIS OF AIR COMPRESSOR FAULT DIAGNOSIS USING MACHINE LEARNING TECHNIQUE ' in JOURNAL OF MECHANICS OF CONTINUA AND MAAMATICAL SCIENCES, volume 14, Issue 6, PP13-27, 2019

Dr.MANOJ KUMAR S

- ❖ Published a paper in a title of ' A self-verifiable computational visual cryptographic protocol for secure two-dimensional image communication ' in Measurement Science and Technology, volume 30, Issue 12, PP 125404 2019.

Dr.RAJESWARI V

- ❖ Published a paper in a title of ' A weighted graph-oriented ontology matching algorithm for enhancing ontology mapping and alignment in Semantic Web ' in Soft Computing, volume 23, Issue 18, PP 8661--8676 2019.

Ms.LAVANYA S

- ❖ Published a paper in a title of ' Analysis of Human Behavior using Gaming Effects ' in International Journal of Innovative Technology and Exploring Engineering, volume 14, Issue 6, PP 13-27, 2019