

IT BULLETIN

DEPARTMENT OF INFORMATION TECHNOLOGY



Newsletter Editorial Board

Editorial Committee: Dr. Manoj Kumar, 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.

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DEPARTMENT ACTIVITIES

- ❖ Conducted FDP on "Lex based foundation program" from 03-01-2019 to 09-01-2019.
- ❖ Conducted "CCNA Certification and Training Program" on 07-02-2019.
- ❖ Conducted "Microsoft Training" on 16-02-2019.

Seminar / Workshop / FDPs / STTPs – Presented / Attended

Dr.S.Manoj Kumar

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Introduction to Industry 4.0 and Industrial Internet of Things" from 21-01-2019 to 30-03-2019 at Karpagam College of Engineering.

Dr.R.Madhumitha

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Introduction to Internet of Things" from 21-01-2019 to 30-03-2019 at Karpagam College of Engineering.

Ms.B.P.Sreeja

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Introduction to Internet of Things" from 21-01-2019 to 30-03-2019 at Karpagam College of Engineering..

Ms. S. Lavanya

- ❖ Attended NPTEL - AICTE Faculty Development Programme on "Programming, Data Structures and Algorithms using Python" from 21-01-2019 to 30-03-2019 at Karpagam College of Engineering.

Ms.V.Sindhu

- ❖ Attended one-Week Faculty Development Programme on "Lex Based Foundation Program" from 03-01-2019 to 09-01-2019 at Karpagam College of Engineering.

Books Published

Dr. V. Rajeswari,

- ❖ Published book in the title of ,Exam Made Easy - Database Management Systems by Educreation Publishing (Online Service Division, MIF Imprint) ShubhamVihar, Bilaspur, Chhattisgarh – 495001
- ❖ Published book in the title of University Q&A - Database Management Systems by Kongu Publications,118, Mettur Road, Erode -63801

Dr.Gopikrishnan S

- ❖ Published book in the title of Data aggregation algorithms for wireless sensor networks ISBN: 978-93-88413-06-0 issued on 08-10-2018 Royal Book Publishers.
- ❖ Published Book on ' Integrating the Internet of Things into Software Engineering Practices/Web Based IoT APPLICATION Development ' in 2019 Published by IGI Global.

Dr.K . Mahalakshmi

- ❖ Published book in the title of Perspective view of wireless communication : A Theoretical Study ISBN : 978-93-87610-06-4 by VSRD academic Publishing

- ❖ Published book in the title of Perspective view of Network Management : A Theoretical Study ISBN : 13 :978-93-87610-14-9 by VSRD academic Publishing
- ❖ Published book in the title of Manage IT In Software Engineering Perspective ISBN : 13 :978-93-87610-19-4 by VSRD academic Publishing

Journal publications / Conference :

Dr.R.MADHUMITHA

- ❖ Published a paper in a title of ' Design of Optimized E-Commerce Website using Web Assembly ' in Indian Journal of Science and Technology, volume 12,issue 9 ,PP 1-5,march 2019.
- ❖ Published Journal in the title of Enhanced RSA Encrypted AODV Routing Protocol for MANET in Bioscience Biotechnology Research Communications volume 12,issue 2 ,PP91-95, march 2019
- ❖ Published Journal in the title of Design of Public Transport Assistance System for Visually Impaired Persons in Bioscience Biotechnology Research Communications volume 12,issue 2 ,PP76-79, march 2019

Dr.W.R.SalemJeyaseelan

- ❖ Published Journal in the title of Design of Public Transport Assistance System for Visually Impaired Persons in Bioscience Biotechnology Research Communications volume 12,issue 2, PP76-79, march 2019.
- ❖ Published Journal in the title of 'Enhanced RSA Encrypted AODV Routing Protocol for MANET in Bioscience Biotechnology Research Communications' volume 12, issue 2, PP91-95, march 2019.

Dr.V.RAJESWARI

- ❖ Published a paper in a title of ' A Pragmatic Approach For A Integration Of Learning Tools Using Semantic Web Technologies And Ontology Based Functionalities For Smart Learning Environment ' in Caribbean Journal of Science, volume 53,issue 1 ,PP796-799 ,Jan –Apr 2019.
- ❖ Published a paper in a title of ' A State of the Art: Review on Integration of Building Information Modelling and Ontology frame work to Enhance Ecology'in World Journal of Engineering Research and Technology, volume 5,issue 1 ,PP:342-357,2019
- ❖ Published a paper in a title of 'A Review on Ontology and Semantic Web Services for Improving Health Care Practices and Managing Medical Data from Heterogeneous Data Sources' in International Journal of Trend in Research and Development, Volume 6, issue 1,PP125-129, 2019.

Mr.S.GOPIKRISHNAN

- ❖ Published a paper in a title of ' Surveillance in Nuclear Power Plant using Internet of Things ' in International Journal of Innovative Technology and Exploring Engineering volume 08,issue 5S ,PP 486-490,2019.

Ms.G. SARATHA DEVI

- ❖ Published Journal in the title of An Efficient architecture of Internet of Things for Data interoperability in perspective to user services in Bioscience Biotechnology Research Communications Special Issue Vol.12, Issue 1 ,PP141-144, 2019
- ❖ Published Journal in the title of ' Encrypted Text message using DNA cryptographic model in Bioscience Biotechnology Research Communications' Special Issue Vol.12, PP 136-140, 2019
- ❖ Published a paper in a title of ' A Pervasive Study On Applications And Technologies Of Internet Of Things (IoT) ' in International Journal of Mechanical Engineering and Technology volume 10,Issue 1 ,PP 1007-1013,2019

Mr.MANIKANDAN S

- ❖ Published a paper in a title of ' Speculation of Compressive Strength of Concrete in Real-Time ' in International Journal of Recent Technology and Engineering volume 07, issue16, PP988-992, 2019.

Dr. S. MANOJ KUMAR

- ❖ Published a paper in a title of ' A Pervasive Study on Applications and Technologies of Internet of Things (IoT) ' in International Journal of Mechanical Engineering and Technology volume 10, Issue1, PP 1007-1013, 2019.
- ❖ Published a paper in a title of 'Secure Grayscale Image Communication using Significant Visual Cryptography Scheme in Real Time Applications in Multimedia Tools and Applications- SPRINGER',volume 79, Issue 15, PP 1380-7501, 2019.

Mr.JOTHIPRAKASH V

- ❖ Published a paper in a title of ' Surveillance in Nuclear Power Plant using Internet of Things ' in International Journal of Innovative Technology and Exploring Engineering,2019.

Ms.SAKTHI PRIYA K

- ❖ Published a paper in a title of ' A Pragmatic Approach For A Integration Of Learning Tools Using Semantic Web Technologies And Ontology Based Functionalities For Smart Learning Environment ' in Caribbean Journal of Science, volume 53,issue 1 ,PP 796-799 ,Jan –Apr 2019.
- ❖ Published a paper in a title of ' A State of the Art: Review on Integration of Building Information Modelling and Ontology frame work to Enhance Ecology'in World Journal of Engineering Research and Technology, volume 5, issue1, PP 342-357,2019.

Mr.SURENTHAR I

- ❖ Published a paper in a title of ' Speculation of Compressive Strength of Concrete in Real-Time ' in International Journal of Recent Technology and Engineering. Volume07 issue 6PP988-992,2019
- ❖ Presented a paper in the title of Electronic Hardware Design of An Autonomous Vehicle in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019
- ❖ Presented a paper in the title of Design of A Data Transmission Unit for An Autonomous Vehicle in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019

Ms.SREEJA B.P.

- ❖ Published a paper in a title of ' A Simple Detection and Escaping Mechanism from Social Network Attacks ' in International Journal of Innovative Technology and Exploring Engineering,volume-8, issue-6s3,PP 369-373, April 2019
- ❖ Published Journal in the title of An Efficient architecture of Internet of Things for Data interoperability in perspective to user services in Bioscience Biotechnology Research Communications Special Issue Vol.12, Issue 1 PP 141-144,2019
- ❖ Published Journal in the title of Encrypted Text message using DNA cryptographic model in Bioscience Biotechnology Research Communications Special Issue Vol.12, Issue 1 ,PP 136-140,2019.
- ❖ Presented a paper in the title of Experimental Investigation of Plastic Coated Aggregate in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019

Mr.K.KARTHIBAN

- ❖ Big Data Analytics For Developing Secure Internet Of Everything in Journal of ISMAC, Vol.01,Issue 02,PP 129-136 ,June 2019

Dr.Sherubha P

- ❖ Presented a paper in the title of Study of Effect of Orientation of Column and Position of Shear Wall on G+13 Storeyed Earthquake Resistant Structure in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019

Ms. Indupournima. R.

- ❖ Presented a paper in the title of Scheduling and Estimation of Residential Structures using Primavera in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019

Mr. Mahendiran.P D.

- ❖ Presented a paper in the title of Study on Structural Behaviour of Earth Slab Panel Confined by G. I. Wire Mesh in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019
- ❖ Presented a paper in the title of Experimental Studies on Pervious Concrete by Varying the Size of Aggregate and Sand Content in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019
- ❖ Presented a paper in the title of Management of Storm Water using Bioretention Filter Technique in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019

Ms. Sindhu. V.

- ❖ Presented a paper in the title of Experimental Investigation of Clayey Soil mixed with Rubber Flash in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019.
- ❖ Presented a paper in the title of Experimental Investigation on Partial Replacement of Coarse Aggregates by Demolished Concrete in Recent Advances in Engineering and Technology at SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY ,2019