

July 2020-December 2020

IT BULLETIN

Department Of Information Technology

Newsletter Editorial Board

Editorial Committee: Mrs. B.P. Sreeja, Mr.V.Jothi Prakash

Student Members: ARAVINDH S, ASHOK KUMAR G

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

DEPARTMENT ACTIVITIES

- ❖ Organized Online Five days FDP on Machine Learning and Deep Learning Methods from 28-09-2020 to 02-10-2020.
- ❖ Conducted Alumni Webinar Series on various technologies from 07-08-2020 to 08-08-2020.
- ❖ Organized Career Awareness Program for students on 19-08-2020 and from 22-08-2020 to 23-08-2020.
- ❖ Conducted an Alumni Talk on Importance of communication Skills on 19-9-2020.

Seminar / Workshop / FDPs / STTPs – Presented / Attended

Dr.R.Madhumitha

- ❖ Attended FDP on Research Challenges, Development & Avenues in Cyber Security From 15-09-2020 to 20-09-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Artificial Intelligence using Python From 14-09-2020 to 19-09-2020 organized by Oriental College of Technology
- ❖ Attended FDP on Predictive Analysis and Machine Learning Using R-Programming and KNIME From 07-09-2020 to 12-09-2020 organized by Hindustan College of Engineering and Technology
- ❖ Attended STTP on Internet of Things in Health care application From 24-08-2020 to 29-08-2020 organized by Dr.N.G.P Institute of Technology

Mr.P.D.Mahendiran

- ❖ Attended Training Program on Big Data From 16-11-2020 to 20-11-2020 organized by Talent Next,Wipro

Mr.R.Vikkram

- ❖ Attended STTP on Cyber Security From 19-10-2020 to 24-10-2020 organized by P.S.R Engineering College

Mr.V.Jothiprakash

- ❖ Attended Training Program on Big Data From 16-11-2020 to 20-11-2020 organized by Talent Next,Wipro

Mr. Y.Naveen Raj

- ❖ Attended Training Program on Big Data From 16-11-2020 to 20-11-2020 organized by Talent Next,Wipro

Ms.B.P.Sreeja

- ❖ Attended FDP on Block Chain From 07-12-2020 to 11-12-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Machine Learning and Deep Learning Methods From 28-09-2020 to 02-10-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Sensor Technologies From 21-09-2020 to 25-09-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Artificial Intelligence From 14-09-2020 to 18-09-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Predictive Analysis and Machine Learning Using R-Programming and KNIME From 07-09-2020 to 12-09-2020 organized by Hindustan College of Engineering and Technology
- ❖ Attended FDP on Emerging Trends and Applications of artificial Intelligence From 10-08-2020 to 14-08-2020 organized by Dr.Ambedkar Institute of Technology
- ❖ Attended STTP on Artificial Intelligence in Health Care From 16-07-2020 to 22-07-2020 organized by Kumaraguru College of technology.

Ms.K.Saranya

- ❖ Attended STTP on Data Analytics in Biomedical Engineering From 23-11-2020 to 28-11-2020 organized by Karpagam Academy of Higher Education.

MS.P.Arulmozhi

- ❖ Attended FDP on IOT From 18-07-2020 to 25-07-2020 organized by Easwari Engineering college

Ms.S.Lavanya

- ❖ Attended FDP on Block Chain From 07-12-2020 to 11-12-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Research Perspectives in Machine Learning and Computing From 27-10-2020 to 31-10-2020 organized by Sai Ram Institute of Technology
- ❖ Attended FDP on Machine Learning and Deep Learning Methods From 28-09-2020 to 02-10-2020 organized by Karpagam College of Engineering

Ms.S. Gayathri

- ❖ Attended FDP on Emerging Research Trends in Computer Science and Engineering From 19-10-2020 to 23-10-2020 organized by GMR Institute of Technology
- ❖ Attended FDP on Machine Learning and Deep Learning Methods From 28-09-2020 to 02-10-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Artificial Intelligence using Python From 14-09-2020 to 19-09-2020 organized by Telegala Krishna Reddy Engineering College
- ❖ Attended FDP on Cyber security From 07-09-2020 to 11-09-2020 organized by BMS Institute of Technology and Management
- ❖ Attended FDP on Block Chain From 17-08-2020 to 21-08-2020 organized by Mepco Schlenk Engineering College
- ❖ Attended FDP on Role of Education for Industry 4.0 Challenges & Opportunities From 10-08-2020 to 14-08-2020 organized by M S Ramaiah Institute of Technology
- ❖ Attended FDP on Recent Advances in Embedded Systems From 07-08-2020 to 11-08-2020 organized by Mahatma Gandhi Institute of Technology
- ❖ Attended FDP on Excerpts of Research Methodology and Processes From 20-07-2020 to 22-07-2020 organized by Tirumala Engineering college
- ❖ Attended Workshop on Understanding OBS Studio &Streamyard for E-Content Creation and Live Streaming From 10-11-2020 to 11-11-2020 organized by Dr.MGR Educational and Research Institute
- ❖ Attended Workshop on Understanding OBS Studio &Streamyard for E-Content Creation and Live Streaming From 10-11-2020 to 11-11-2020 organized by Dr.MGR Educational and Research Institute

Ms.A.Suganya

- ❖ Attended FDP on Perspective on the Past, Present and Future of Advanced Materials From 26-08-2020 to 28-08-2020 organized by Tontadarya College of Engineering
- ❖ Attended FDP on Recent Trends on Computer Science From 24-08-2020 to 28-08-2020 organized by Maharaja Institute of Technology
- ❖ Attended Workshop on Personal Safety and Protection of Children from Sexual Abuse & Online Safety for Children and Adults on 19-08-2020 organized by Sri Vani Degree And PG college
- ❖ Attended FDP on Online Teaching Tools on 18-05-2020 organized by Rajah Serfoji Government College
- ❖ Attended FDP in Recent Trends in Mechanical Engineering From 17-08-2020 to 21-08-2020 organized by AISSMS Institute of Information Technology
- ❖ Attended FDP on Recent trends in Information Technology From 17-08-2020 to 19-08-2020 organized by N.G.PATEL Polytechnic
- ❖ Attended FDP on MATLAB From 16-08-2020 to 18-08-2020 organized by Dr.Y.C.JAMES YEN GOVT POLYTECHNIC
- ❖ Attended Workshop on Application of Remote Sensing & GIS is Disaster Management From 16-08-2020 to 17-08-2020 organized by Vikrant Institute of Technology and Management
- ❖ Attended Workshop on Snake bite Awareness on 16-08-2020 organized by ENVIS-RP, Institute of Wildlife Science.
- ❖ Attended FDP on Skill Development in Academic and Research From 14-08-2020 ,17-08-2020 to 18-08-2020 organized by Telangana Social Welfare Residential Degree College for Women
- ❖ Attended FDP on Real-time Typhoon HIL Simulation Applications From 10-08-2020 to 14-08-2020 organized by Anurag University
- ❖ Attended FDP on Computer Networks Simulation using NS2 From 10-08-2020 to 14-08-2020 organized by Mahatma Gandhi Institute of Technology
- ❖ Attended FDP on Machine Learning and its Applications From 10-08-2020 to 13-08-2020 organized by Godavari Institute of Engineering and Technology

- ❖ Attended FDP on Science and Engineering Leadership From 08-08-2020 to 09-08-2020 organized by Kakatiya institute of Technology and Science
- ❖ Attended FDP on Quality Sustences and Enhancement Parameter-NAACand NIRF Ranking network From 06-08-2020 to 07-08-2020 organized by Karpagam College of Engineering
- ❖ Attended FDP on Cloud Infrastructure and Services From 05-08-2020 to 09-08-2020 organized by Bannari Amman Institute of Technology
- ❖ Attended FDP on Research hallenges in Power Electronics and Power Systems From 05-08-2020 to 07-08-2020 organized by Balaji Institute of Technology and Science
- ❖ Attended Workshop on Best Practices in ICT Tools From 03-08-2020 to 08-08-2020 organized by Jagadguru Rambhadracharya Divyang university
- ❖ Attended FDP on Role of Mathematics in Engineering Disciplines From 03-08-2020 to 07-08-2020 organized by Stella mary 'S College of Engineering
- ❖ Attended FDP on Cyber Security ways to Safe guard everyone from Cybercrime From 03-08-2020 to 07-08-2020 organized by Sri Jayachamarajendra College of Engineering
- ❖ Attended Workshop on Deep Learning From 03-08-2020 to 04-08-2020 organized by Andhra Loyala Institute of Engineering
- ❖ Attended FDP on Recent Innovatice Technologies From 29-07-2020 to 02-08-2020 organized by Thiruvalluvar university Constituent Arts and Science College
- ❖ Attended FDP on Getting Satrted with Google Education Suite & Zoom From 28-07-2020 to 30-07-2020 organized by Jain School of Computer Science and IT
- ❖ Attended FDP on Orienting Application & Conceptualized Aspects of Science & Humanities From 21-07-2020 to 25-07-2020 organized by Balaji Institute of Technology and Science
- ❖ Attended FDP on Digital Tools for Researchers and ICT Online From 20-07-2020 to 24-07-2020 organized by Hindustan College of Arts and Science
- ❖ Attended FDP on Effective Teaching Pedagogy From 20-07-2020 to 22-07-2020 organized by Interprastha Engineering college
- ❖ Attended FDP on Practical Research Insights of Map reduce using MongoDB on 18-07-2020 organized by Jai Shriram Engineering college
- ❖ Attended FDP on Electric Vehicles Design, development & Challenges From 15-07-2020 to 21-07-2020 organized by Sridevi women's Engineering college
- ❖ Attended FDP on Recent Advances in Graph Theory and Neural networks From 14-07-2020 to 16-07-2020 organized by St.Joseph Institute of Technology
- ❖ Attended FDP on Fixed Point Theory and its Applications From 08-07-2020 to 09-07-2020 organized by St.Joseph college of engineering
- ❖ Attended FDP on Machine Learning Essentials for Every Researchers From 06-07-2020 to 10-07-2020 organized by Kongu Engineering College
- ❖ Attended Workshop on Learning management System & E-Content Development From 01-07-2020 to 08-07-2020 organized by Hindustan College of Arts and Science

Journal publications / Conference:

Dr.R.Madhumitha

- ❖ Published a paper in a title of ' Deep learning based genome analysis and NGS-RNA LL identification with a novel hybrid model ' in BioSystems , volume 197, pp.104211 ,November 2020.
- ❖ Published a paper in a title of ' Auto encoder based dimensionality reduction and classification using convolutional neural networks for hyperspectral images ' in Microprocessors and Microsystems ,Volume 79 ,pp.103280, December 2020.
- ❖ Presented a paper in the title of Automation using Machine Learning and Object Detection in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020
- ❖

Dr. S. Manoj Kumar

- ❖ Published a paper in a title of ' Crop monitoring using wireless sensor networks ' in Materials Today: Proceedings ,volume 10,pp.373,November 2020.

Ms.B.P. Sreeja

- ❖ Published a paper in a title of ' Crop monitoring using wireless sensor networks ' in Materials Today: Proceedings volume 10,pp.373,November 2020.
- ❖ Presented a paper in the title of Experimental Study on Strengthening of Load Bearing Structures by Ferrocement Lamination in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

- ❖ Presented a paper in the title of Construction Labour Productivity - A Review in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

Ms.S.Gayathri

- ❖ Published a paper in a title of ' Facial Expression Recognition Using Eigenface in MATLAB ' in National conference on Recent Trends in computer Technology ,ISSN: 978-93-54067-84-6.

Dr.Rajeshkumar G

- ❖ Published a paper in a title of ' Flow-based Anomaly Intrusion Detection using machine Learning Model with Software Defined Networking for OpenFlow Network ' in Microprocessors and Microsystems volume 79,pp.103285,November 2020.

Ms.A.Suganya

- ❖ Published a Paper in A Title of ' Handling Class Imbalance Problems During Classification in Data Mining Using a Hybrid Sampling Method 'In Journal of Critical Reviews, volume 7, issue 19,pp.7160-7166,August 2020 .

Ms.K.Saranya

- ❖ Published a Paper in A Title of ' Handling Class Imbalance Problems During Classification in Data Mining Using a Hybrid Sampling Method 'In Journal of Critical Reviews , Volume 7, issue 19,pp.7160-7166,August 2020.
- ❖ **Presented a paper in the title of Microcontroller based Gas Leakage Detection and Accident Prevention System with GSM in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020**
- ❖ **Presented a paper in the title of Real Time Digital Display Notice Board on Multiple Screens in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020**
- ❖

Ms. Mirdula

- ❖ Published a paper in a title of ' A Simulator for Real Time Monitoring of Group Elevators ' in Solid State Technology ,volume 63,issue 2s,pp.3175-3179,2020.

Ms.S.Lavanya

- ❖ Published a paper in a title of ' AN INTEGRATION OF BIG DATA ANALYTICS AND CYBER SECURITY-A PANORAMIC SURVEY ' in International Journal of Advanced Research in Engineering and Technology , Voulme11 issue 9, pp.747- 754,2020.

Dr.Sherubha P

- ❖ Presented a paper in the title of Metier - A Service Provider Android Application in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

Mr. Surenther. I.

- ❖ Presented a paper in the title of Experimental Study on Stone Column using Concrete Waste in Black Cotton Soil in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020
- ❖ Presented a paper in the title of Life-Saving System from Harmful Gases in Sewage Tank in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020
- ❖ Presented a paper in the title of Curation of A Low-Cost Scalable BCI System in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020
- ❖ Presented a paper in the title of Training a Convolutional Neural Network for Driverless Car in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

Mr. Mahendiran.P D.

- ❖ Presented a paper in the title of Development of Work Breakdown Structure for Residential Building Construction Project- A Case Study in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

- ❖ Presented a paper in the title of Effect of Cementitious Materials on Properties of Mortar in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020
- ❖ Presented a paper in the title of Digital Formulation of Muchkundi Left Bank Canal for Earthworks & Structures in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020

Mr. Manikandan. S.

- ❖ Presented a paper in the title of Coastal Protection Measures for Shoreline of Mumbai: Review and Case Studies in Artificial Intelligence and smart computing at BANNARI AMMAN INSTITUTE OF TECHNOLOGY ,2020