July 2021-December 2021

KARPAGAM
COLLEGE OF ENGINEERING
Rediscover | Refine | Redefine
Coimbatore - 641032

IT BULLETIN

Department Of Information Technology

Newsletter Editorial Board
Editorial Committee: Dr. R.Madhumitha, Mr.V.Jothi Prakash
Student Members: Abdulla Khaf S, Abinanthan

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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.
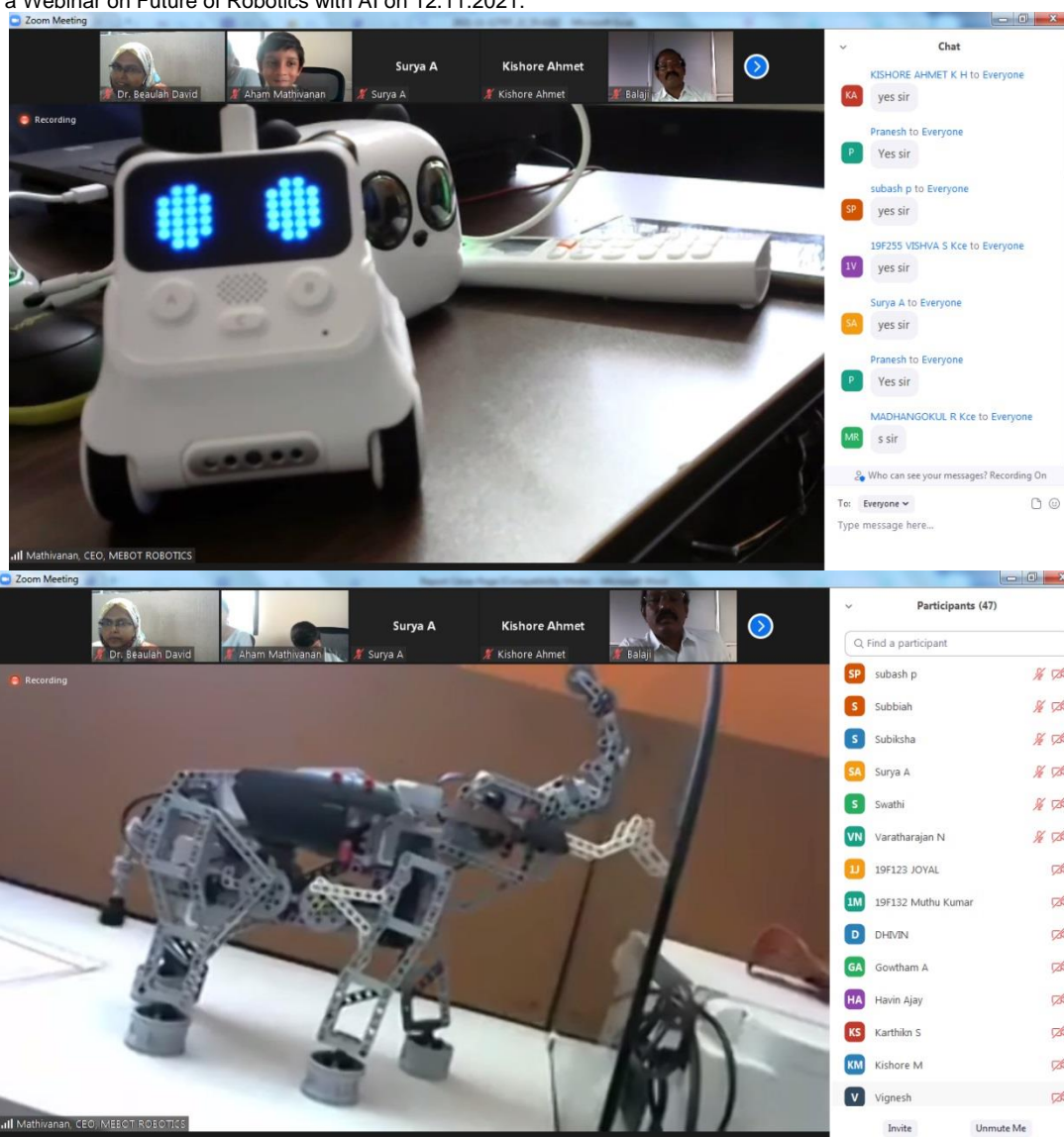
IT BULLETIN

DEPARTMENT OF INFORMATION TECHNOLOGY

WARM WELCOME TO

- ❖ Dr. N. Balaji Joined as Professor on 04-10-2021
- ❖ Dr. Beaulah David Joined as Associate professor on18-09-2021
- ❖ Mr. Castro S Joined as Assistant professor on18-08-2021
- ❖ Mr. Varatharajan N Joined as Assistant professor on 11-08-2021
- ❖ Mr. Mohanraj B Joined as Assistant professor on 11-08-2021

DEPARTMENT ACTIVITIES

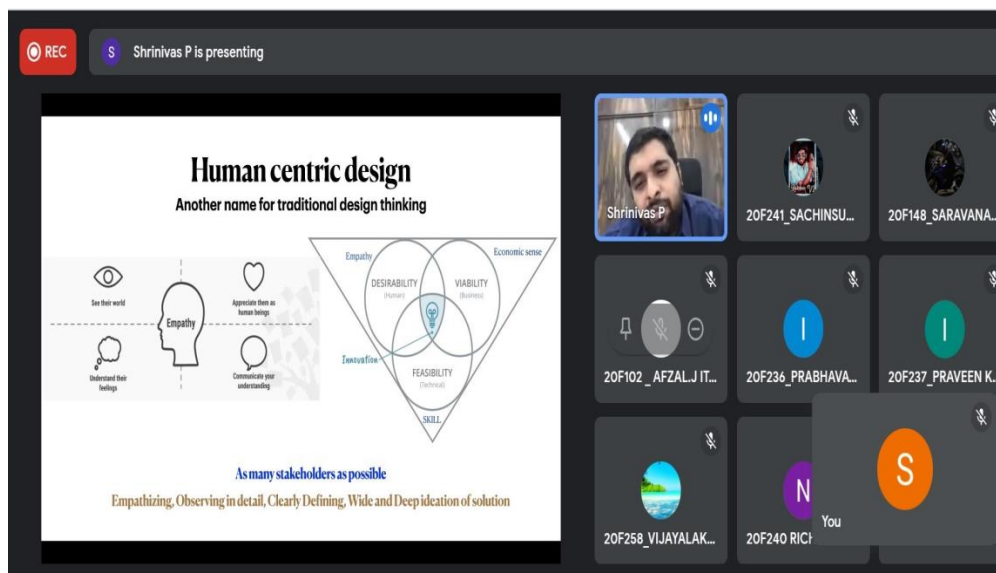- ❖ Organized a Webinar on Future of Robotics with AI on 12.11.2021.

❖ Organized an Seminar on Insights on the Preparation for placements in IT companies on 30.12.2021.

❖ Organized a webinar on Alumni Talk on Design Thinking on 21.10.21.

Paper Presentation– International/ National conferences

Mr.S.CASTRO,Assistant professor

❖ Presented a paper titled AI Based Textual Big Data for Emotion Detection in International conference on emerging trends in Engineering & Management 2021 at Dhanalakshmi Srinivasan College of Engineering,Coimbatore on 18.11.2021

Journal Publication– International/ National conferences

Dr.N BALAJI,Professor

❖ Published a paper titled Effective heart disease prediction using novel mlp-ebmda approach in Biomedical signal processing and control Vol. 25 Issue No. pp.103318, 2021.

Dr.BEAULAH DAVID,Associate Professor

❖ Published a paper titled Prediction of epidemic disease dynamics on the infection risk using machine learning algorithms in Sn computer science - springer Vol. 3 Issue No. pp.1, 2021.

Ms.S.GAYATHRI,Assistant professor

❖ Published a paper titled A review of mobile cloud applications, offloading methods, and technologies in the smartphone's in Journal of computational and theoretical nanoscience Vol. 18 Issue No. pp.509-515, 2021.

Seminar / Workshop / FDPs / STTPs – Presented / Attended

Dr.BEAULAH DAVID,Associate Professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
❖ Attended Online Elementary FDP on Data Science (ATAL) at Institute of Engineering and Technologym,Devi Ahilya University, Indore M.P. from 04-10-2021 to 08-10-2021.

Dr.N BALAJI,Professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

DR.P.SHERUBHA,Assistant professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
❖ Attended FDP on Artififcial Intelligence and Machine Learning at NIT WARANGAL & Dhanalakshmi srinivasan Engineering College perambalur from 20-07-2021 to 29-07-2021.

Dr.R.MADHUMITHA,Professor

❖ Attended Online Orientation Training Program for mentors at AICTE NITTT from 26-07-2021 to 30-07-2021.

Mr.B.MOHAN RAJ,Assistant professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
❖ Attended Online Elementary FDP on Block Chain Technology at Government College of Engineering,Dharmapuri. from 23-08-2021 to 27-08-2021.
❖ Attended Online Elementary FDP on Cryptocurrency and Blockchain Technology at Punjab Engineering College from 16-08-2021 to 20-08-2021.
❖ Attended Online ELementary FDP on Machine Learning Applications in NLP and Computer Vision at Punjabi University Patiala. from 04-10-2021 to 08-10-2021 .
❖ Attended Foundation of Data Science & its Applications at Indira Gandhi Delhi Technical University for Women from 06-09-2021 TO 10-09-2021.
❖ Attended FDP on The Joy of Computing using Python (NPTEL) at Karpagam College of Engineering from 26-07-2021 -15-10-2021.

Mr.G.GOPINATH,Assistant professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Mr.N.VARATHARAJAN,Assistant professor

❖ Attended Online Elementary FDP on Artificial Intelligence Enabled Sensor and Network for 5G Wireless Communication at Mahendra Engineering College from 06-12-2021 to 10-12-2021.
❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

- ❖ Attended Online Elementary FDP on IOT in Smart Cities at Kongunadu College of Engineering and Technology from 20-09-2021 to 24-09-2021.

Mr.P.JEGATHESH,Assistant professor
- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
- ❖ Attended FDP on Cloud Computing at Karpagam College of Engineering from 26-07-2021 -15-10-2021.

Mr.R.VIKKRAM,Assistant professor
- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Mr.S.CASTRO,Assistant professor

- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
- ❖ Attended Online elementary FDP on Advanced Robotics and Control at Rajiv Gandhi Proudyogiki Vishwavidyalaya, University Institute of Technology , Bhopal from 24-08-2021 to 28-08-2021.

Mr.V.JOTHIPRAKASH,Assistant professor

- ❖ Attended Online Elementary FDP on Mean stack Technologies at Sree Vidhyanikethan Engineering College from 21-09-2021 to 25-09-2021.
- ❖ Attended Level 75 by Infosys Springboard at Infosys Limited from 21-08-2021.
- ❖ Attended FDP on Cloud Computing at Karpagam College of Engineering from 26-07-2021 -15-10-2021.

Ms.A.SUGANYA,Assistant professor

- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.B.P.SREEJA,Assistant professor

- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.
- ❖ Attended Online Elementary FDP on W.O.M.E.N.(Weaver of Optimism, Motivation, Empowerment & Nurturing Pillars of Society) at Birla Vishvakarma Mahavidyalaya Engineering College (BVM). from 15-11-2021 to 19-11-2021.

Ms.D.POORNIMA,Assistant professor

- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.S.GAYATHRI,Assistant professor
- ❖ Attended FDP on Biomedical Image Processing using AI at International Institute of Information Technology, Pune from 25-10-2021 to 30-10-2021.

Ms.S.GAYATHRI,Assistant professor
- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.J.ANTONITA SHILPA,Assistant professor
- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.K.SATHYAPRIYA,Assistant professor
- ❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.P.ARULMOZHI,Assistant professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.S.K.KIRUBA,Assistant professor

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Ms.S.LAVANYA,Assistant professor

❖ Attended Online Elementary FDP on Healthcare data analytics using AIML at College of Engineering Pune from 13-12-2021 to 17-12-2021.

❖ Attended Online Elementary FDP on Machine Learning at Bharati Vidyapeeth College of Engineering for Women,Pune from 08-11-2021 to 12-11-2021.

❖ Attended Two days FDP on Research Methodology and Intellectual property Rights at Karpagam College of Engineering from 28-10-2021 to 29-10-2021.

Patent Granted

❖ S.Gayathri has awarded patent titled "Virtual Instrumentation Based Automatic Fabric Defect Detection System For Textile Industries" on 10-12-2021 [Patent Application No:202141053821].

❖ Dr. Beaulah David has awarded patent titled "Industrial Gas leakage system using GSM Technology." on 1-10-2021 [Patent Application No:202141043269.

FACULTY ACHIEVEMENTS

❖ Ms.B.P.Sreeja ,AP/IT Received "Young Scientist Award" on September 2021 , from VD GOOD TECHNOLOGY , COIMBATORE

STUDENTS ACHIEVEMENTS

Co-Curricular Activities

❖ Pranesh R from III IT B Won 1st Prize in Quiz Event at Dhaanish Ahmed Institute of Technology, Coimbatore on 13.10.2021
❖ Pranesh R from III IT B Won 2nd Prize in Debugging Event at Dhaanish Ahmed Institute of Technology, Coimbatore on 13.10.2021
❖ Nijith S from III IT B Won 2nd Prize in Debugging Event at Dhaanish Ahmed Institute of Technology, Coimbatore on 13.10.2021
❖ SACHIN SURYAB from II IT B Won 1st Prize in International Art Cometition Event at Elite Book Awards on 05.11.2021 to 31.12.2021