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Vol.12. issue.19 23.12.2024



A DAILY NEWSLETTER 23.12.2024

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S. Tinu Aakash (EEE), a I-year student from the Department of Science and Humanities, has successfully completed the certificate course on "Digital 101 Journey" provided by IT-ITES SSC NASSCOM, futureskills Prime with AICTE in the month of December 2024.

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Mr. Madhesh R, a II-year B section student from the Department of Computer Science and Engineering, got recognition for the work of the Discipline committee during the event of KAIURAI 2K24 project held on 18th November to 8th December conducted by the Rotaract Club of Vistas.

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FACULTY ACHIEVEMENT





IoT's Role in Personalized Dietary Support for Mental **Health using RNN Model**







S Subha; N.Mohankumar; Allanki Sanyasi Rao; A. Ayub Khan; Ishwarya M. V; S. Murugan All Authors

18 Full

Text Views











Abstract

Document Sections



Abstract:

Rapid developments in Internet of Things (IoT) technology have spawned new ways of thinking about the very important field of mental health and wellbeing. This abstract explores "Personalized Dietary Support," a new paradigm powered by the Internet of Things that aims to improve mental health outcomes by providing individualized dietary counseling. Individuals may get real-time insights into the dynamic interaction



Dr. ISHWARYA M.V., Associate Professor and Head of **Department of Artificial Intelligence** and the Science, has published a paper titled "IoT's Role in Personalized Dietary Support for Mental Health using the RNN Model" at the 3rd IEEE International Conference on 23rd December 2024. Indexed by Scopus.

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FACULTY ACHIEVEMENT

Conferences > 2024 IEEE Recent Advances in ... 2



Construction Equipment Performance with Cloud Data Analysis for Predictive Maintenance







Senthil Kumar Seeni; P. Maheswari; Jothibabu Konidhala; M. Raja Suguna; M.V. Ishwarya;

All Authors

S. Srinivasan

37 Full

Text Views















Document Sections





The research uses Internet of Things technology for predictive maintenance in the construction sector. The system addresses incorporating Internet of Things sensors into construction machinery to enable real-time monitoring of operating parameters. The study suggests a proactive maintenance strategy that may anticipate equipment



Dr. ISHWARYA M.V., Associate Professor and Head of **Department of Artificial Intelligence** Science, has published a paper titled "Construction **Equipment Performance with Cloud Data Analysis for** Predictive maintenance" at the 3rd IEEE International Conference on 23rd December 2024. Indexed by Scopus.

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FACULTY PARTICIPATION



Mrs. R. Rajitha, Assistant Professor, Department of Science and Humanities (Chemistry) has participated and completed the AICTE training and Learning Academy (ATAL) FDP program on "Sustainable practices in Energy and Environmental Science" at DY Patil International University from 16th to 21st December 2024

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FACULTY PARTICIPATION



Mrs. Prinslin L, Assistant Professor, Department of Computer Science and Engineering, has participated in and completed the six-day online FDP titled, "Advanced Data Science & NLP", organized by SRM Valliammai Engineering College from 16th December to 21st December 2024.

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FACULTY DEVELOPMENT PROGRAM



About the college

Agni Cotage of technology Chronia was established on He year 2001 by 5 bills (Dirarishes and Educational Trust with the objective of producing high quality engineers and technocrast. The Engineering codege is approved by ACTC, New Delhi, Alliested to Arma University Chemai, Accredited by National Board of Accreditation, New Delhi and an ISO 900/2015 Confided Instantion, View are marked in 25th position among 2025 colleges by Arma University in the Nov/Dec. 2022 commissions. Also, we were tranked in the top 101-150 band in the India Rankings 2023 by National Institutional Ranking Framework, Ministry of Education, Government of India. Also, all eligible Accreditations and the institution in seat with A's grade in the National Assessment and Accreditation Council.
We look forward to soon becoming an autonomous institution and we have been talking crains intellieut to improve the quality and standard of technical education on par with international standards so that our students and late in connects with other technicals.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

The Artificial Intelligence and Data Science department were founded in 2020 with one undergraduate program affiliated with Anna University, approved by AICTE. This course aims to provide the core technologies such as artificial intelligence, data mining, and data modelling and give

analysic. 89 the and of the course, the students will gain cross-disciplinary skills across fields such as statistics, computer science, machine learning, and logic, data scientists and will have cureer opportunities in healthcare, business, eCommerce, social networking companies, climatology, biotechnology, genetics, and other essential areas. The central focus of this programme is to equip students with statistical, maderimatical reasoning, machine learning, knowledge discovery, and visualization skills.

EDD THEME

The creation of computer systems that are capable of doing tasks that normally require human intelligence. Bits speech recognision, problemsolving, and decision-making, is known as Artificial Intelligence (AI). The network of actual physical objects and other things integrated with sensors, software, and connections that allow them to gather and share data is soom as the Internet of Things, or IoT. The potential of AI and IoT to boost productivity, increase efficiency, and offer more individualized experiences across a wide range of businesses has led to their increasing appeal. AI and IoT will play an increasingly larger role in our daily lost and businesses as technology develops.

Artificial Intelligence (AI) is critical to the Internet of Things (IoT) because it allows devices to gather and process data in real-time, facilitating intelligent decision-making, task automation, pattern recognition, and issue detection, all of which increase the effectiveness and precision of IoT systems. Large volumes of data produced by Internet of Things (IoT) devices can be processed by All algorithms to provide insighdul analysis and was decision-making. Because All improves the accuracy and efficiency of IoT chicking environments, It also alide in six automation, pattern recognition, and issue detection in IoT systems.

IPICS COVERED

- Overview and Use of the Internet of Things
- Artificial Intelligence (AI): Prospects,
 Development and Challenges
- IOT Architectures and Protocols
- Applied Al and Data Science
- An overview of machine learning and its use in the analysis of medical images
- Smart Sensor Utilisation in IOT
- Smart Cities & Homes: IOT Technology
 Al Implementation (Workshop)
- IoT Privacy and Security
- IoT using Arduino and Raspberry Pi (Practical Session)

The Department of AIDS from Agni College of Technology, in collaboration with the AICTE ATAL Academy, is organizing a 6-day Faculty Development Program on "AI in IoT: Enhancing the Power of Smart Gadgets" from 16.12.2024 to 21.12.2024. The program is coordinated by Dr. Ishwarya M.V., Associate Professor and Head of the Department, AIDS, and Mrs. T. Geetha, Assistant Professor, AIDS. On the 5th day of FDP, the Resource person Dr. Rajinikanth. V, Professor, Saveetha College of Engineering has delivered an insightful session on "IoT Privacy and Security" from 1 pm – 4 pm on 20.12.2024.

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GALLERY









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FACULTY DEVELOPMENT PROGRAM



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FACULTY DEVELOPMENT PROGRAM



On the final day of the ATAL FDP, a valedictory function was conducted on 21.12.2024. The event was attended by all the department heads, faculty members, and participants. Our beloved, Principal, Dr. Srinivasan Alavandar, addressed the gathering, emphasizing the importance of continuous learning and the impact of the program on faculty development. The session concluded with a discussion on applying the insights gained during the FDP to academic practices.

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The department meeting was convened by Dr. Balaji Madhavan, HoD/CSE on December 23rd 2024 between 10.30 am to 11.30 am The agenda included NBA Compliance report submission, Final year students project, IIIrd year and IVth year training, course file preparation, question bank submission for even semester courses, Syllabus for Sem III/IV of R2024 and other general activities of the department.

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Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, conducted the department meeting with all the faculty members of AIDS. The following agenda were discussed in the meeting on 23rd December 2024: course file Preparation, NIRF 2025, DRM, III year Professional Elective Course form Registration BOS Syllabus Formation for 3rd and 4th semester Regulation 2024, Lab readiness for the upcoming Semester, and Consultancy Projects.

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