Paper Publications

[1] ArjunBenagatteChannegowda, **H N Prakash**, **"Multimodal biometrics of fingerprint and signature recognition using multi-level feature fusion and deep learning techniques",** Indonesian Journal of Electrical Engineering and Computer Science, 2021, 22(1), pp. 187–195. ISSN: 2502-4752, DOI: 10.11591/ijeecs.v22.i1.pp187-195 (Scopus Indexed)published by Institute of Advanced Engineering and Science (IAES). https://www.scopus.com/authid/detail.uri?authorId=57216853525

[2] Arjun B C, H N. Prakash, **" Multimodal Biometric recognition system using Face and Finger Vein Biometric traits with Feature and Decision level fusion Techniques"**, International Journal of Computer Theory and Engineering (IJCTE). IJCTE 2021 Vol.13(4):123-128 ISSN:1793-8201 DOI: 10.7763/IJCTE.2021.V13.1300(Scopus Indexed) published by International Association of Computer Science and Information Technology Press, https://www.scopus.com/authid/detail.uri?authorId=57216853525

Artificial Intelligence and Machine Learning:
Revolutionizing Industries and Shaping the Future

Artificial Intelligence (AI) and Machine Learning (ML) have unequivocally seized the spotlight, catalyzing transformative shifts across industries and casting a compelling vision for our collective future. In the ever-evolving landscape of technology, the year 2021 witnessed these twin forces pushing boundaries and unlocking unprecedented potentials.

AI's proficiency in emulating human cognitive functions has triggered seismic advancements in the healthcare domain, empowering clinicians with precise disease diagnostics and tailoring individualized treatment regimens. Meanwhile, the financial sector has harnessed ML algorithms to navigate volatile markets, delivering unparalleled insights that steer investment strategies with remarkable precision.

Beyond these sectors, AI and ML pervade daily life. Autonomous vehicles enhance convenience and road safety. Adaptive virtual assistants redefine convenience, while education benefits from personalized learning. Ethical complexities persist, prompting discussions on fairness and transparency. Yet, AI and ML persist as innovation beacons, reshaping our world as in science fiction. Stay tuned to this AI-powered future, offering fresh insights and uncharted possibilities, illuminating the path to human achievement and progress.

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InfoSci Insights

Department of Information Science and Engineering

DEPARTMENT NEWSLETTER

VOLUME 2 | ISSUE 2, JULY - DEC 2021

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MESSAGE FROM THE DESK

Mr. Arjun B.C *B.E, M.Tech*
Head of the Department, ISE

As we close the chapter on the second half of 2021, I wanted to take a moment to reflect on the exceptional achievements and activities that have shaped our academic journey during this period. From July to December, our institution has been a hub of learning and growth, and I am pleased to share some of the highlights that have defined this period. One of the standout events of this period was the Learnathon activity conducted in collaboration with ICT Academy. This initiative was designed to provide our students with advanced courses, allowing them to delve into cutting-edge topics and acquire specialized skills. It was heartening to see our students' enthusiasm for learning and their commitment to advancing their knowledge. We believe in opening doors to global opportunities for our students, and to that end, we organized a webinar on study abroad opportunities. This webinar aimed to provide our students with insights into international educational prospects, fostering their aspirations to pursue higher studies on a global scale. We are committed to supporting our students in reaching their academic and career goals. To enhance our students' technical skills and prepare them for the ever-evolving IT landscape, we organized workshops on Java, Python, and web development. These workshops provided hands-on experience and practical knowledge, ensuring that our students are well-prepared to meet the demands of the industry. Our faculty members continued their pursuit of excellence in research. During this period, their hard work and dedication bore fruit as their research papers were published in international journals, many of which were indexed in Scopus. These publications not only contribute to our institution's academic reputation but also advance the global body of knowledge. As we move into the new year, let us carry forward the spirit of learning, innovation, and collaboration. Our commitment to providing a holistic and enriching educational experience remains steadfast. Together, we will continue to inspire and empower our students to reach greater heights of academic and personal success. I want to express my gratitude to each and every one of you for your unwavering support and dedication to our institution's mission. Here's to a promising and productive year ahead!

VISION

To be a center of excellence in Information Science and Engineering education by creating competent professionals to deal with real-world challenges in the industry, research and society.

MISSION

- To empower students to become competent professionals, strong in the basics of Information science and engineering through experiential learning.
- To strengthen the education and research ecosystem by inculcating ethical principles, and facilitating interaction with premier institutes and industries around the world.
- Promote innovation and entrepreneurship to fulfill the needs of society and industry.

PSO *(Program Specific Outcomes)*

- Analyse and develop software applications by applying skills in the field of coding languages, algorithms, operating systems, database management, web design and data analytics.
- Apply knowledge of computational theory, system design and computer network concepts for building networking and internet-based applications.

PEO *(Program Educational Objectives)*

- Analyse, design and implement solutions to real-world problems in the field of Information Science and Engineering with a multidisciplinary setup.
- Pursue higher studies with a strong knowledge of basic concepts and skills in Information Technology disciplines.
- Adapt to emerging technologies towards continuous learning with ethical values, good communication skills, leadership qualities and self-learning abilities.

Activities

TRAINING AND PLACEMENTS ACTIVITIES

In association with **ICT Academy,** Rajeev Institute of Technology Provided opportunity for the students to discover the new way of learning that is free self learning courses for college students from global majors like Microsoft, MathWorks, celonis, Anywhere, Vmware, Basics of managing money, Cisico Qlink.

Department of Information science and Engineering organized a virtual Webinar on study abroad opportunities in association with AECC Global on 31st May 2021

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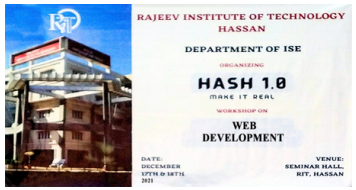
Workshop on,

"WEB DEVELOPMENT"



Department of Information Science and Engineering has organized two days workshop on "**WEB DEVELOPMENT**" during 17th to 18th Dec 2021 for the 6th and 4th semester students.

The main objective of this workshop was to make aware the students of one of the latest technologies. As Web development has become one of the most prominent and in demand programming language, this workshop was planned to give students sufficient knowledge and technicality which may prove to be more beneficial and fruitful for them during their respective career path.

Workshop on,

"PYTHON"

Department of Information Science and Engineering had organized a two days workshop on **"PYTHON"** during 17th to 18th Dec 2021 for the 6th and 4th semester students.

The main objective of this workshop was to make aware the students of one of the latest technologies. As Python has become one of the most prominent and in demand programming language, this workshop was planned to give students sufficient knowledge and technicality which may prove to be more beneficial and fruitful for them during their respective career path. With the added knowledge of one of the most prominent and trendy programming languages, may give better job opportunities to the students.

Workshop on,

"JAVA"

Department of Information Science and Engineering had organized a two days workshop on "**JAVA**" during 17th to 18th Dec 2021 for the 6th and 4th semester students.

The main objective of this workshop was to approach problem solving through coding challenges. This workshop play a Crucial role in equipping individuals with the skills and knowledge needed to thrive in the field of software development and programming. Workshop emphasize coding standards and best practices, promoting the development of clean, readable and maintainable code.