RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Artificial Intelligence & Machine Learning

0CT 2021 – AUG 2022

NEWS LETTER - ಸುದ್ದಿಪತ್ರ

The Department of Artificial Intelligence and Machine Learning (AI & ML) at RRCE was established in the year 2020. The Department offers B.E (AI & ML) Undergraduate program and with an intake of 60 students and the Department is affiliated to Visvesvaraya Technological University, Belagavi, Karnataka and approved by AICTE, New Delhi.

Artificial Intelligence and Machine Learning (AL & ML) appear for the next industrial revolution happening in the world today. Artificial Intelligence has been utilized in various fields.

Artificial Intelligence emphasizes the development of intelligent machines which think and work like humans. Machine Learning (ML) is a subset of Artificial Intelligence. ML is the science of designing and applying algorithms that are able to learn things from past cases.

AI and ML are integral parts of data science, where techniques from both such as regression, projecting analytics and more are applied for coming generation.

Tag Line: **Artificial Intelligence and Machine learning (AI & ML)** is impacting the business world in a big way and become ultimate in the digital

Editorial Board

Dr. Rajesh K S

Prof. & HOD

Prof. Mamatha K R
Assistant Professor

VISION

To bring out the competent and socially responsible Engineers in the field of AI & ML education, research and innovation.

MISSION

- To Inculcate, the integration process of concepts in AI & ML domain.
- To equip AI & ML graduates with skills to meet Industry and Societal challenges by skill enhanced training.
- To promote Research and ethical culture through interaction for broader application in AIML domain.

PROGRAM SPECIFIC OUTCOMES (PSOs) :

The AIML graduates will have the ability to:

PSO1: Design and develop AI & ML Solution, through modern engineering tools and Programming Language, Technical skills in presenting modern insights.

PSO2: Ability to adapt continues changing AI & ML domain for innovative challenges.

PROGRAM EDUCATIONAL OBJECTS (PEOs)

PE0 1: Develop competent profession in the field of Artificial Intelligence and Machine Learning towards advanced skills in solving contemporary problems

PE0 2: Pursue their professional on technical and progress towards Research and Entrepreneurship.

PE0 3: Progress as skilled in team and adapting leadership qualities and ethical values as per the society

DEPARTMENT EVENTS

Technical Seminar on "Importance of JAVA"

Event Date: 19th JAN 2022

The event started with the formal Inaugural function **and resource person** KARTHIK, SOOKSHMAS TECHNOLOGY, Presented the need and importance of Java and its applications used in web applications and mobile technology and explained the features of java .The primary objective of Java programming language creation was to make it portable, simple and secure programming language. Apart from this, there are also some excellent features which play an important role in the popularity of this language.

Object Oriented, Platform Independent, Simple, Secure, Architecture neutral, Portable, Robust, Multithreaded, High Performance, Distributed and Dynamic. This byte code is distributed over the web and interpreted by the Virtual Machine (JVM) on whichever platform it is being run on.

Conducting the seminar on java enligthen the students to know the importance of java with a basic knowledge on JAVA and to work on with few applications of JAVA.

Awareness Program on E-Waste Management Practices and its Values For Students

By Mr.Karthik M N ,

Developer and academic head of Sookshmas Pvt. Ltd

Date:07th Feb 2022

E-Waste management is an integral concern.It is important that the purpose of waste management to promote cleanliness and orderliness, To conserve resources by using recyclable materials and to preserve the environment in response to climate change being experienced worldwide.

E-waste is electronic products that are unwanted, not working, and nearing or at the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are everyday electronic products.

The ongoing challenge of how best to dispose of used and unwanted electronics isn't a new one and dates back at least to the 1970s. But a lot has changed since then, particularly the number of electronics being discarded today.

We also have something else today: a term for this issue. After several terms got suggested, including "Digital rubbish," a consensus formed around the simple word "e-waste."

MINI PROJECT EXHIBITION

Event Date: 17th MARCH 2022

By Mr.Karthik M N ,

Developer and academic head of Sookshmas Pvt. Ltd

In mini project exhibition students came across with different project ideas and they were exposed to different technologies used. They were able to understand, plan and execute a mini project with team

Students were able to practice and acquire knowledge within the chosen area of technology for project development.

Identify the issues and challenges of industry

Some projects students developed are AI CHAT BOT,FACE DETECTION,LIBRARY MANAGEMENT SYSTEMS,FRAME DETECTOR WITH ARDIUINO,AI PERSONAL ASSISTANCE,GAME DEVELOPMENT.

Industrial Visit to U R RAO Satellite Centre (ISRO Satellite Centre)

Event Date: 8th JULY 2022

Industrial visit to U R RAO Satellite Centre(ISRO Satellite centre)

The Indian space programme as enunciated by its founding father Dr.Vikram Sarabhai is application driven."Benefit to common man and society is the fundamental talent around which the Indian space programme revolves today",

During the 70's and the 80's U R RAO Satellite Centre(URSC),the lead centre of ISRO was engaged in mastering the basic technologies and skills required for the specialized task of satellite building.

Students gained knowledge about different Satellites, they came to know about PSLV and GSLV, knowledge about TV broadcast mechanism through demo model, about assembly and testing methods of Satellite, remote sensing, weather monitoring.

First National Level Technical Symposium- ULTRON- 22

Event Date: 13th JULY 2022

Overview of the symposium:

The event started with the formal Inaugural function at 9.30a.m in Abdul Kalam Conference Hall. On the dais Our Chief Guest Kamlesh, CEO, Sookshmas finsoft pvt ltd,- BENGALURU, Dr. T Chandrashekar Principal, RRCE, Dr Balakrishna R, Dean RRCE, Dr Usha Saktivel, Research Dean, RRCE. Dr. Amuthraj Vice Principal, RRCE. Dr. Rajesh K S HoD AI & ML. The function started with Invocation Song, followed by the welcome speech given by Prarthana H R. ULTRON a Revisit glance by student Main coordinator Mr. Ravi Kumar and Swathik followed by presidential address given by Principal and Dean. Inspiring speech regarding the future opportunities for engineering students was given by Chief Guest Kamlesh, CEO, Sookshmas finsoft pvt ltd,- BENGALURU. Vote of thanks was given by the Jassica student coordinator.

The students of AI & ML Department are happy to inform that for the 1st year, the technical exposure of students have been exhibited through our association activities.

The technical symposium was organized and made as a grand success. We are stepping in remarkable academic year and organized a National level technical symposium "ULTRON- 22 " to collaborate the technology with the participants of various colleges and from different departments of RRCE. ULTRON- 22 is a team work of our association members under the guidance of Management, Principal and faculty members. To motivate participants, merit certificated and prizes will be awarded.

Valedictory function started at 3.30pm, Students from different colleges shared their experience about ULTRON- 22 followed by Prize Distribution for winner's.

The ULTRON- 22 was finally ended by thanking Management, Principal, Dean, HoD, Faculties, Non-teaching staff, all student coordinators and participants. Who worked for this event to make this event a grand success.

Outcome of the symposium: Students gained Knowledge of how to manage skills, Leadership qualities
Creative innovation,Advancement in technology

create awareness amomg students, faculties and non teaching staff. Plastic bags have become a threat to life of animals living on earth as well as in water. Irrespondible disposal of plastics will lead to disturbances of natural ecosystems as well as the food chain. Ban on use of Plastic bags is imposed because an alternative for it exist like gunny bag or paper bags.

Report on Awareness Program on ban on usage of plastic

Event Date: 02-09-2022

Resource Person: Mr. Dhruva Kumar, Bosch Rexroth

Awareness Program on ban on usage of plastic bags inside the campus is arranged to