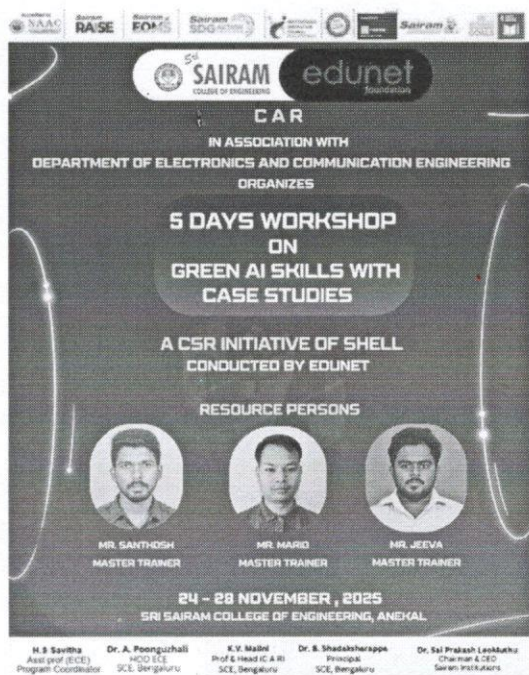**Report on "5 Days Workshop SKILLS4FUTURE –GREEN AI SKILLS with Case Studies" -CSR INITIATIVE OF SHELL** Conducted by **Edunet-24.11.2025 TO 28.11.2025-Reg.**

The **Corporate Academia Relationships Cell& EDC** in association with Dept of **AIML & ECE** had organized an Skilling initiative under CSR initiative of **SHELL** Conducted by **Edunet** Foundation a Green skilling program***SKILLS4FUTURE –GREEN AI SKILLS with Case Studies*** for **2ND Year students**(145) supporting SDG4, SDG8, SDG9 and partnership for Goals SDG17 at campus from **24.11.2025 TO 28.11.2025.**

Prof. Malini K V welcomed the resource person & Master Trainers, **Mr. JIVA, Mr. Santhosh Kumar & Mr. Mario Thokchom** , SHELL –CSR Officials, **Mr. Mahesh Patil,** BDM, Edunet Foundation, Gurgaon, **Dr. B. Shadaksharappa**, Principal, Sri Sairam College of Engineering, HODs, Faculty and Students for the skilling series workshop as a CSR initiative. In campus. Principal **Dr. B Shadaksharappa** appreciated the Skiiling initiatives in all trending technologies and industry connects through CSR initiatives for the benefit of learners.

The program **aims** to build Green and AI Skills Program. This initiative is designed to equip students from Gujarat, Maharashtra, Tamil Nadu, and Karnataka with essential Artificial Intelligence (AI) and Green skills, empowering them to thrive in the emerging skill ecosystem and build successful careers in the fast-evolving technology sector. This 5 days workshop aimed to bridge gaps in existing academic curriculum while enhancing student employability through hands-on technical skills and industry-relevant knowledge. Broadly, it encompassed 60 hours of hands on learning

The Skills4Future program offers a Foundation Course for 2nd year engineering students, providing 50 hours of comprehensive training in both technical (45 hrs) and case study sessions (5 hrs). This program delves into Green Skilling, Sustainability, and AI, offering a thorough overview of these fields. Students will explore fundamental concepts, real world applications, and practical hands on experience. The curriculum covers energy technologies, AI's role in addressing environmental challenges, Python programming, Data Analytics, Machine Learning,

Deep Learning, and AI Ethics. Through a structured approach and practical projects, students acquire essential skills to tackle real-world environmental issues and develop sustainable solutions. The case study, coupled with a mentoring framework, empowers students to apply design thinking in AI for Green applications, fostering their innovation and problem-solving abilities.

The **objectives** of the program was to Develop a Comprehensive understanding of green skilling and its importance in the context of sustainability. To Understand AI concepts, machine learning algorithms and deep learning techniques , their contribution in sustainability efforts. Gain hands-on experience with Python, the leading programming language for AI. The outcome of the programs were Students learnt to Use libraries like Pandas, NumPy, Scikit-learn, TensorFlow, and Keras for data manipulation, machine learning, and deep learning.

Participants **Understood** how AI can be leveraged to solve problems related to energy efficiency, waste management, and sustainable agriculture. Participants Worked on real-world datasets to model and predict environmental impacts using AI. They Learn how to develop interactive web applications using Flask, including integrating machine learning models and adding interactivity and customization features. Students Improved Understanding generative AI concepts and principles of LLMs. They were guided to Explore the ethical considerations and sustainability issues surrounding AI technology.

Trainers **Discussed** the impact of AI on society, focusing on fairness, transparency, and the environmental footprint of AI systems.

Students learnt to apply all learned skills in a capstone project, solving a practical, real-world problem related to environmental sustainability using AI. The participants Demonstrates the ability to design, test, and deploy AI models in a real-world scenario of a project Ultimately students were Prepared for a career in the burgeoning field of AI, with a special emphasis on roles that contribute .Trainers gave a Hands on experience to build the AI Application and Development Skills: Ability to **create** and deploy simple web applications.

•   Basic Software Development Practices: Knowledge of version control systems that is Git and in building, testing and deploying an AI application.

•   Basic understanding of Generative AI and Large Language Models (LLMs).

•   Ethical Understanding of using AI in environmental contexts.

•   Problem-solving with Algorithms: Skills in applying algorithmic thinking to break down problems and implement solutions.

Students learnt The student learners thanked the initiative taken and expressed their happiness on learning AI & DS Consepts and coding skills. Prof. **Malini K V** Thanked **The Trainers Mr. Mahesh Patil**, Edunet, **Dr.B Shadaksharappa** Principal. SSCE, **Dr. R Arunkumar** COO, Sairam Institutions, for their complete support to CSR initiatives in the area of skilling and training students. Thanked HOD's of Dept. of **AIML HOD,ECE ,** Teaching & Non teaching staff and enthusiastic participants for their complete involvement in the Workshop.

Thanking You,   Sincerely,
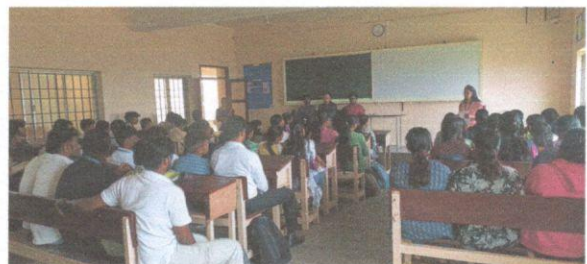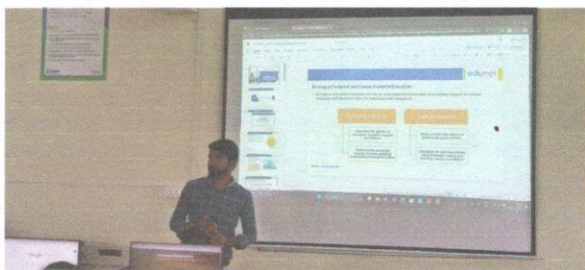
1. C A R & EDC:
2. Dept of AIML:
3. Dept. of ECE:

MOMENTS-

24th to 28th NOV 2025- SHELL CSR ACTIVITY implanted by EDUNET FOUNDATION,BANGALORE-

Dept. of AIML & Dept. of ECE-2nd year student participants

DEPT. OF AIML & DEPT. OF ECE- 2ND YEAR STUDENT PARTICIPANTS -SHELL CSR Activity implemented by EDUNET Foundation

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