



GSSS

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INSTITUTE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Event Report

Date: 27/07/2024

Inauguration of Plasma Agricultural Laboratory under IEEE-PES student chapter



Inauguration of Plasma Agricultural laboratory by Prof. RajinikanthS, Professor, Indian Institute of Science (IISc), Prof Rame Gowda professor, Dr. Netra N, Asst seed officer University of Agricultural Science Bangalore and Dr M Shivakumar, Principal, GSSSIETW, Mysuru

The Department of Electrical & Electronics Engineering at GSSS Institute of Engineering & Technology for Women (GSSIETW), Mysuru, proudly announced the successful inauguration of the Plasma Agricultural Laboratory on 27/07/2024.

The Plasma Agricultural Laboratory is designed to explore the applications of plasma technology in agriculture, particularly in seed treatment, germination enhancement, and improving crop yields. The lab will focus on:

- Using Electrical Discharge Plasma (EDP) to enhance seed germination rates by modifying seed surface properties.
- Providing a sustainable, eco-friendly alternative to chemical seed treatments.
- Conducting experiments to study the effect of plasma on plant growth factors such as root and shoot length, biomass, and chlorophyll content.

The inauguration was graced by **Prof. Rajinikanth, Professor at Indian institute of sciences Bangalore** **Prof Rame Gowda professor, Dr. Netra N and Dr M Shivakumar, Principal, GSSIETW**, who commended the department's forward-thinking approach and the significant role of cutting-edge research in driving sustainable agricultural productivity.

Dr G Sreeramulu Mahesh, Head of the Department of Electrical & Electronics Engineering, praised the efforts of the outgoing students & guides for their dedication in launching the laboratory and initiating research that has the potential to transform farming methods. This state-of-the-art lab will contribute to both academic research and practical advancements in the field of agriculture.

The inauguration ceremony was attended by **Dr. M Jagannatha Shenoi, President, GSSS(R), Smt Vanaja B Pandit, HonSecretary, and Shri R K Bharath, CEO of GSSS(R)**, who expressed their enthusiasm for the project and the future impact of the laboratory.