



AGRIPULSE

AGRICULTURAL ENGINEERING
RECENT UPDATES FOR AY 2025-26

VISION:

- To promote experiential, high-quality learning environments for disseminating women's knowledge in agricultural engineering for the welfare of society

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

PEO 1:

- Ability of students for addressing issues of environmental and agricultural fields problems.

PEO 2:

- Students for higher education such as Central and state AU, IIT's and NIT's are in India and foreign countries.

PEO 3:

- Students run self-entrepreneurship such as farm mechanization, CHC's, food processing units, seed processing industries, dairy technology units and other allied agricultural related industries.

MESSAGE FROM HEAD OF THE DEPARTMENT:



Mr. K.V.V. Rama Raju

I am happy to share the activities of our department through this newsletter. The celebration of Farmers Day (Kisan Diwas) was organized to recognize the hard work and dedication of farmers who play an important role in feeding the nation. The event gave students an opportunity to interact with farmers, learn about real farming practices, and participate in activities like seed planting. Such programs help students connect their classroom learning with practical agricultural work. I appreciate the efforts of the faculty members and the active participation of students in making this event successful. I hope our students will continue to learn and contribute to the development of agriculture and support farmers in the future.

MISSION:

- To improve productivity and profitability of small and holders through modern agricultural methods.
- To help students to become self-reliant, entrepreneurial, trainers through an innovative educational approach.
- To innovate, share, and disseminate knowledge of agricultural engineering applications to the students, the farmers, the stake holders, and society.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

PSO 1:

- Ability in terms of innovative and creative thinking, formulate problem solutions towards real and practical field problems in agricultural engineering.

PSO 2:

- Ability to learn new scientific technologies and address the current situations in agricultural engineering.

PSO3:

- Knowledge in various disciplines of agricultural engineering to generate employment opportunities in various industries.

MESSAGE FROM THE CHIEF EDITOR:



Ms. G. Priyanka

It is a great pleasure this edition of our department Newsletter highlighting the celebration of Farmers Day (Kisan Diwas) and the active participation of our students and faculty. The event included farmer interaction, informative talks, and practical activities such as seed planting, which provided students with valuable learning experiences. Through this newsletter, we aim to share the department’s activities and achievements while encouraging students to stay connected with the agricultural community. I sincerely thank all the faculty members, students, and guests who contributed to the success of this event and helped make this publication possible.

ABOUT THE DEPARTMENT:

The Department of Agricultural Engineering proudly presents this edition of our Department Newsletter, highlighting the vibrant academic and extension activities that reflect our commitment to agricultural innovation sustainability, and community engagement. This issue captures memorable moments from the celebration of Farmers Day (Kisan Diwas), organized to recognize the invaluable contributions of farmers to our nation’s food security and rural development. The event brought together students, faculty members, and distinguished guests to share knowledge, experiences, and inspiration from the agricultural field.



As part of the celebration, students actively participated in practical learning activities such as seed planting and discussions with experienced farmers. These interactions provided valuable insights into real-world agricultural practices and strengthened the connection between academic learning and field application. The event also included expert talks, interactive sessions, and recognition of individuals who have contributed significantly to agriculture.

Through this newsletter, we aim to showcase the enthusiasm of our students, the dedication of our faculty, and the department’s ongoing efforts to promote sustainable agricultural practices and farmer welfare. We hope this publication serves as a platform to celebrate achievements, share knowledge, and inspire continued growth in the field of agricultural engineering.

COURSES OFFERED:

- Agricultural Engineering (B.Tech.)
- Food Processing Engineering (M.Tech.)

Achievements

Faculty Development Programs & Certifications:

Our faculty members actively participated in various prestigious Faculty Development Programs (FDPs) to enhance their knowledge in advanced technologies, research, and innovation.

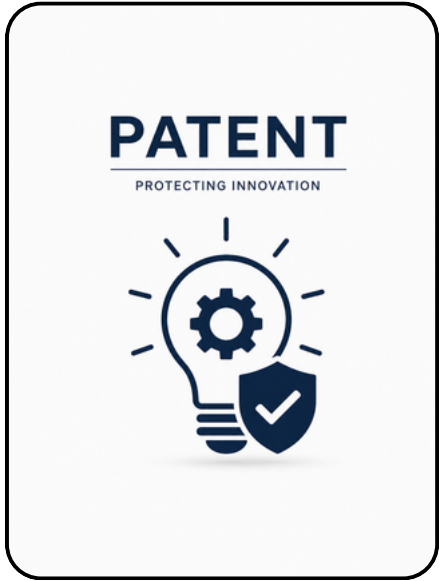
S.No	Faculty Name	Institution	FDP / Program Title
1	Basavaraj Patil	IIT-Kharagpur	Materials, chemical and Biomedical Engineering
2	Basavaraj Patil	Easa College of Engineering & Technology	Future Challenges in Agriculture Engineers
3	Kondepudi Veera Venkata Rama Raju	Kallam haranadhareddy Institute of Technology	Outcome based Education
4	Kondepudi Veera Venkata Rama Raju	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
5	Kondepudi Veera Venkata Rama Raju	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction
6	Sandeep Neelapu	Kallam haranadhareddy Institute of Technology	Outcome based Education
7	Sandeep Neelapu	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
8	Sandeep Neelapu	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction
9	Saladi Priyadarshini	Kallam haranadhareddy Institute of Technology	Outcome based Education
10	Saladi Priyadarshini	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
11	Saladi Priyadarshini	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction
12	Bolla Lakshmi keerthi	Kallam haranadhareddy Institute of Technology	Outcome based Education
13	Bolla Lakshmi keerthi	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
14	Bolla Lakshmi keerthi	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction
15	Dasari Remalya	Kallam haranadhareddy Institute of Technology	Outcome based Education
16	Dasari Remalya	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
17	Dasari Remalya	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction
18	Kandula Ravi Kumar	Kallam haranadhareddy Institute of Technology	Outcome based Education
19	Kandula Ravi Kumar	Malla Reddy College of Engineering	Enhancing Research and Publication Capabilities
20	Kandula Ravi Kumar	Dr. Bapuji Salunkhe Institute of Engineering & Techonology	Advanced Materials and Construction

PATENT

Robotic Arm for Fruit Harvesting with Ripeness Detection



Dr. Basavaraj Patil



 **Student NPTEL Certification :** 16 members are certified.

STUDENTS PLACED IN COMPANIES:



I. MARY
226W1A3509

BlueStar; Production Operator



N. HARSHITHA
226W1A3519

BlueStar; Production Operator



R. DEVI
226W1A3525

BlueStar; Production Operator



R. GANGABHAVANI
226W1A3527

BlueStar; Production Operator



T. NAVYASRI
226W1A3530

BlueStar; Production Operator



V. ARUNADEVI
226W1A3535

BlueStar; Production Operator

ONE DAY FARMING AWARENESS PROGRAM

Location: Hundeswarapuram, Andhra Pradesh

Date: 09/12/2025

During the program, expert addressed the students and explained the importance of farming, soil health, and crop cultivation techniques. Students listened carefully and interacted with the speaker to understand the basics of agriculture.

An experienced farmer demonstrated the method of preparing soil and planting crops. Students observed the process closely and learned about selecting seeds, preparing soil beds, and maintaining plants.



Students actively participated in planting seed potatoes in the soil as part of a practical activity. This hands-on experience helped them understanding the real process of farming and the effort required to grow crops.

FARMERS DAY (KISAN DIWAS)

Location: East Gonugudem, Andhra Pradesh

Date: 23/12/2025



The Department of Agricultural Engineering celebrated Farmers Day (Kisan Diwas) on 23rd December to honor the invaluable contribution of farmers to society. The event included expert talks, farmer-student interaction, and hands-on activities such as seed planting, providing students with practical exposure to agricultural practices. The program concluded with the felicitation of distinguished guests and highlighted the importance of supporting sustainable agriculture



FIELD VISIT ON ORGANIC FARMING

Location: Hundeswarapuram,
Andhra Pradesh

Date: 28/01/2026

The main objective of the field visit was to understand the principles of organic farming, observe the use of natural fertilizers, study intercropping systems in a coconut-based farm, and gain practical knowledge about water-saving irrigation practices such as drip irrigation.



GREEN INITIATIVE :PROMOTING ORGANIC FARMING PRACTICES



An awareness initiative on organic farming and sustainable agricultural practices was successfully organized with the active participation of students. The program aimed to emphasize the importance of eco-friendly farming methods and to encourage the adoption of chemical-free agricultural practices for a healthier environment.

As part of the initiative, students presented green leafy plants to faculty members as a symbol of sustainability and environmental responsibility. The interaction served as a platform to highlight the benefits of organic farming, including soil conservation, reduced environmental impact, and the production of safe and nutritious food. The activity reflected the students' commitment to promoting environmental consciousness and sustainable living practices.



Faculty members appreciated the efforts of the students and acknowledged the significance of such initiatives in creating awareness within the academic community. This program marks a meaningful step towards fostering agriculture of sustainability and responsibility among students, contributing to a greener and healthier future.

DEPARTMENT HIGHLIGHTS

- Successfully organized Farmers Day (Kisan Diwas) to honor and recognize the invaluable contributions of farmers.
- Conducted interactive sessions with an experienced farmer, providing students with real-world insights into agricultural practices.
- Organized a hands-on seed planting activity, encouraging experiential learning and student participation in sustainable farming practices.
- Hosted expert talks and discussions to create awareness about modern agricultural technologies and farmer welfare.
- Felicitated distinguished guests for their contributions and support to the agricultural community and academic development.

EDITORIAL BOARD:

MR. K.V.V. RAMA RAJU, HOD.

CHIEF EDITOR:

MS. PRIYANKA GUBBALA

EDITORS:

MR. K. RAVI KUMAR

MR. N. SANDEEP

MS. S. PRIYADARSHINI

MS. D. REMALYA

MS. B. KEERTHI

STUDENTS:

236W1A3502-RESHMA AKHILA

236W1A3503-INDU TEJASWINI

236W1A3506- SIRIVENNELA