

**AGRICULTURAL ENGINEERING
NEWSLETTER 2022-2023
VOLUME 3 (JANUARY-MARCH)
EXCEL ENGINEERING COLLEGE
(AUTONOMOUS)**

**Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO, CSE, ECE & MECH), NAAC with "A+"
and Recognised by UGC (2f &12B)
KOMARAPALAYAM**

DEPARTMENT VISION MISSION

VISION

To be a global leader in Agricultural Engineering, pioneering innovative solutions, fostering creativity and inspiring lifelong learning, all while embracing social responsibility to enhance agricultural sustainability and nourish the world.

MISSION

1. Provide an exceptional teaching and learning experience that integrates Experimental learning with practical skills and knowledge in agriculture engineering.
2. Advance cutting-edge research and comprehensive training, stringing to be at the forefront of innovations and knowledge dissemination in our field.
3. Emphasis on skill development, value addition and hand-on field work, to make students academically proficient.
4. Foster technological advancements and create abundant career opportunities, to ensure graduates are well prepared for successful careers and become industry leaders.

PROGRAMME EDUCATIONAL OBJECTIVES

- Graduates will demonstrate comprehensive technical proficiency as agricultural engineers, applying knowledge and skills to design, implement, and manage innovative agricultural systems effectively
- Graduates will cultivate an entrepreneurial mindset, showcasing the ability to identify, evaluate, and implement sustainable agricultural solutions, contributing to the growth and viability of agricultural enterprises.
- Graduates will champion sustainable development in agriculture by integrating environmentally conscious practices, promoting resource efficiency, and engaging in initiatives that address the socio-economic needs of communities
- Graduates will embrace a culture of creative learning, continuously adapting to emerging technologies and contributing to the advancement of agricultural sciences. Furthermore, they will actively serve society by applying their expertise to address agricultural challenges and promote community well-being.

PROGRAMME SPECIFIC OUTCOMES

- PSO1: To develop the skills in the field of Agriculture Engineering to become well versed in farm Mechanization, Food and Dairy Processing, Soil and Water Conservation, Bio Energy and IoT in Agriculture.
- PSO2: To imbibe the skills on supervising, coordinating, guiding, leading and decision making in the minds of Agriculture Engineering students for completing crop production projects in time

MESSAGES

CHAIRMAN'S MESSAGE



Prof. Dr. A.K. NATESAN

Agricultural Engineering is one of the essential branches of Engineering which demands innovation. With the rapid advancement of technology, Agricultural Engineering is becoming more important to tackle challenges in the global food market. The future of Agricultural Engineering is to integrate technology with biology and the social aspects of agriculture to create sustainable environment. I congratulate the Department of Agricultural Engineering for their initiatives to introduce department newsletter and also I wish the students to shine in their career.

VICE CHAIRMAN'S MESSAGE



**DR. N. MATHAN
KARTHICK, M.B.B.S.,
M.H.SC.
(DIABETOLOGY), AKS**

Agricultural engineers' main role is to solve problems found in agricultural production. Goals may include designing safer equipment for food processing. Agricultural engineers must creatively apply the principles of engineering. Agricultural engineer solve problems concerning power supplies, machine efficiency, the use of structures and facilities, pollution and environmental issues, and the storage and processing of agricultural products. I congratulate the Department of Agricultural Engineering for their initiatives to introduce department newsletter.



**DR. K. BOMMANNA
RAJA, PH.D.**

Agricultural Engineering is highly job oriented discipline especially in India where agriculture plays a major role in the economy of the country. I congratulate all the students and faculty members in publishing the department newsletter portraying the academic activities, student and faculty participation and achievements.



**DR. G. VIJAYAKUMAR,
M.E., PH.D.,**

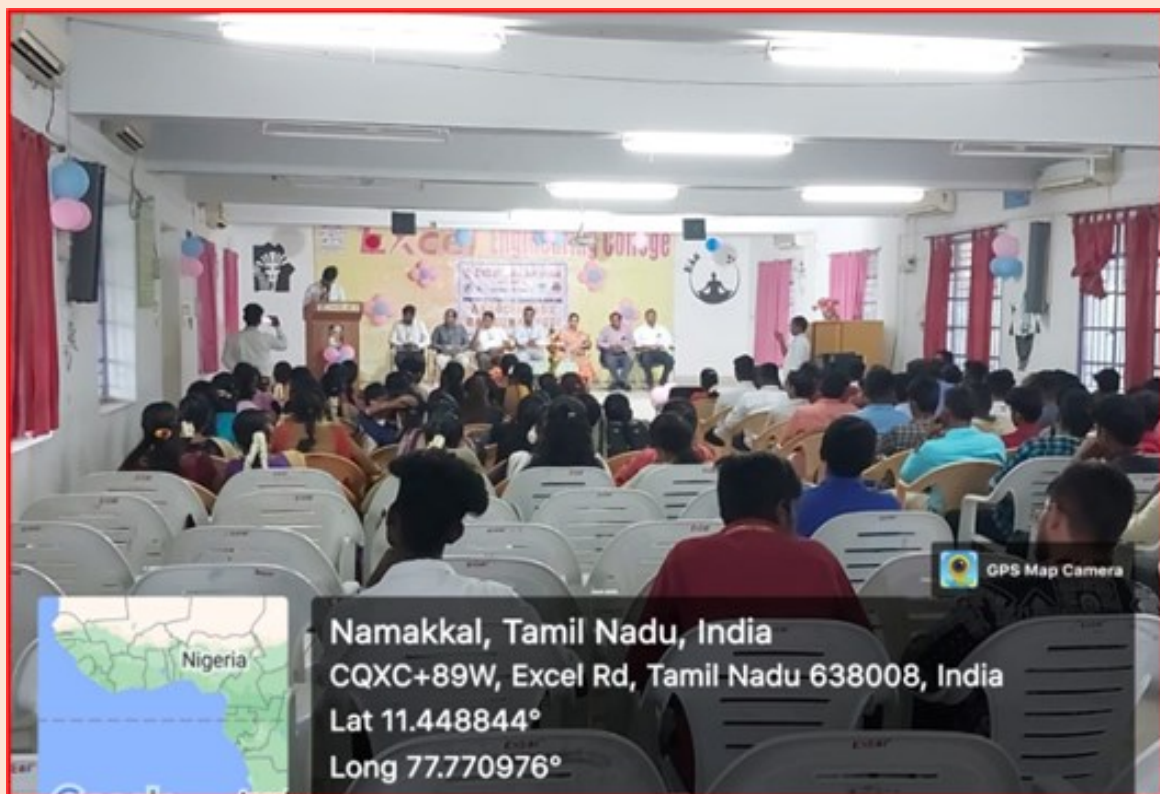
The Department of Agriculture Engineering started during the Academic Year 2018-19 with an intake of 60 students. We have well established laboratories, well qualified and multi-disciplinary faculty members from various specializations such as Soil and Water Conservation Engineering, Farm Machinery and Power, Bio Energy Resources and IoT in Agriculture, Agricultural Process Engineering, Food and Dairy Engineering, Water Resources Engineering. Since agriculture started from ancient period, nowadays modern methods are being used. Also it requires much contribution from engineers to improve the economic wellbeing of the farmers through efficient mechanization. We are proud to create the entrepreneurs in agriculture field. I congratulate all the students also members of GRAES association to launch the newsletter for the Academic year 2022-2023.

DEPARTMENT EVENTS

One Day Seminar On Advance Food Processing Technologies In Agriculture

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized one day seminar on “Advanced Food Processing Technologies In Agriculture” on 21.01.2023.

The Programme commences sharply at 10.00 am with welcome address given by Dr.G.Vijayakumar, HoD, Development of Agriculture Engineering and Chief Guests Address given by Dr.V. Chelladurai, Associate Professor & Hod, Department of Agriculture Engineering ,Bannari Amman Institute of Technology, Erode. In this seminar our chief guest explained about the latest trends and advancement of food processing technologies in the field in agriculture engineering.



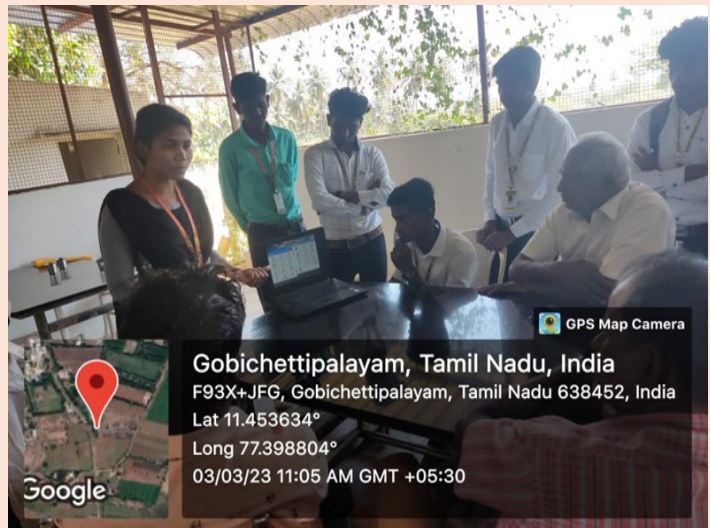
The seminar was adjourned at 01.15 pm with vote of thanks by Mr.V.Bharath, Assistant Professor, Department of Agriculture Engineering, Excel Engineering College (Autonomous).

DEPARTMENT EVENTS

One Day Awareness Program On “Uzhavan App”

Department of Agricultural Engineering, Excel Engineering College (Autonomous) has organized one day "One Day Awareness Program On Uzhavan App For Farmers" at Gobichettipalayam on (03.03.2023).

The Awareness Program was conducted at Gobichettipalayam for Farmers. Our Agricultural department Faculty Mr.V.Bharath and Mr.C.Manoj prabhu Assistant professor and final year students were visited the village farmers and inviting for the awareness program and the farmers were well cooperated with the awareness program which based on uzhavan app and their benefits.



The following knowledge and Awareness have been shared with the Farmers :

Our Agricultural department final year and third year students were interrogated with village farmers and explain about the uzhavan application which can be easily use by the farmers and how the uzhavan app is helpful for farmers in Agriculture.

The Uzhavan App Awareness Program was adjourned at 10.30 am ,at Gobichettipalayam on (03.03.2023) with the knowledge of faculty members of Department of Agriculture Engineering,Excel Engineering College (Autonomous).

DEPARTMENT EVENTS

National Level Workshop On Entrepreneurship and Innovation Career Opportunity

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) has organized one day national level Workshop on “Entrepreneurship and Innovation Career Opportunity” on (23.03.2023).

Chief guest Prof. Dr. A.K. Natesan Hon. Chairman, Excel Institution. The workshop were organized to teach the knowledge about the entrepreneurship and innovation career opportunity to the students. The program were scheduled as three sessions, (10.00 to 11.30 am) significance of start-ups, start up phases, technology readiness levels, sample case study, (11.45 am to 1.00 pm) Entrepreneurship, Intrapreneurship, successful innovation ideas, (2.15 to 3.15 pm) Poster presentation in Theme of Entrepreneurship.

NATIONAL LEVEL WORKSHOP ON ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY	
23rd March 2023 APJ Hall, EEC	
Time	Session
10.00 Am To 11.30 Am	Significance of Start-ups Start-up Phases Technology readiness levels Sample case study
11.45 Am To 1.00 Pm	Entrepreneurship Intrapreneurship Successful Innovative Ideas
2.15 To 3.15 Pm	Poster Presentation Event Theme: Entrepreneurship Each Participant can submit only one poster. Poster must be with JPEG file format. It should be an original. Time for Presentation Max 5 mins.
Registration Details	
Last Date of Registration	20 th March 2023
Registration Amount	Online
	On-Spot
Mode of Payment	G-Pay / Phonepe
	+91 6382687876 (Bharath V)
Registration Link https://forms.gle/JNHJAHR416ysH2u1A	

ORGANIZING COMMITTEE

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 Excel Engineering College
 Dr. P. Karunakaran
 Chief IIC Coordinator
 Excel Engineering College

Faculty Coordinators
 Mr. V. Bharath (63826-87876)
 Assistant Professor,
 Department of Agriculture Engineering
 Mr. C. Manoj Prabhu (98425-33781)
 Assistant Professor,
 Department of Agriculture Engineering

Excel[®] ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai. Accredited by MCI (A), ISO 9001:2015 & ISO 14001:2015
 NAAC (A) Grade - 3, 3(A) Accredited by NCAAA (2019-2023)
 Komarpalayam, Namakkal - 637303



**NATIONAL LEVEL WORKSHOP ON
ENTREPRENEURSHIP AND INNOVATION
AS CAREER OPPORTUNITY**
 (23rd March 2023)



**ORGANIZED BY
DEPARTMENT OF AGRICULTURE ENGINEERING**

NH-544, Komarpalayam Tk., Namakkal Dt., TN.
www.excelinstitutions.com

The National level workshop was adjourned at 10.00 am on (23.03.2023) with the knowledge of faculty members of Department of Agriculture Engineering, Excel Engineering College (Autonomous).