

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 of Agricultural Engineering

NEWS LETTER

JULY - OCTOBER 2021

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.

Principal's Message



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.

HoD's Message



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 2021-2022.

DEPARTMENT EVENTS

Webinar on “How to Approach GATE 2022”

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized one day Webinar on “How to approach GATE 2022” on 18.09.2021.

The webinar commences sharply at 02.00 pm with welcome address was given by Dr.G. Vijaya-kumar, Professor & Head, Department of Agriculture Engineering, Mr. V. Bharath, AP/Agri introduced the Chief Guest. Then the Chief Guest Mr. PranshuMahajan B. Tech – NIT, Kurukshetra, M.Tech – IIT Ropar Educator, test book series has delivered webinar on How to approach GATE 2022 to our Agriculture Engineering students.

The GATE score is considered a mandatory requirement for admission to post-graduate programmes in different IITs and National Institutes of Technology (NITs). The process for recruitment for BE programs involves qualifying for the GATE exam and clearing the cut-off for the respective college and then undergoing an interview stage for final admission.

Different benefits of the BE program are:

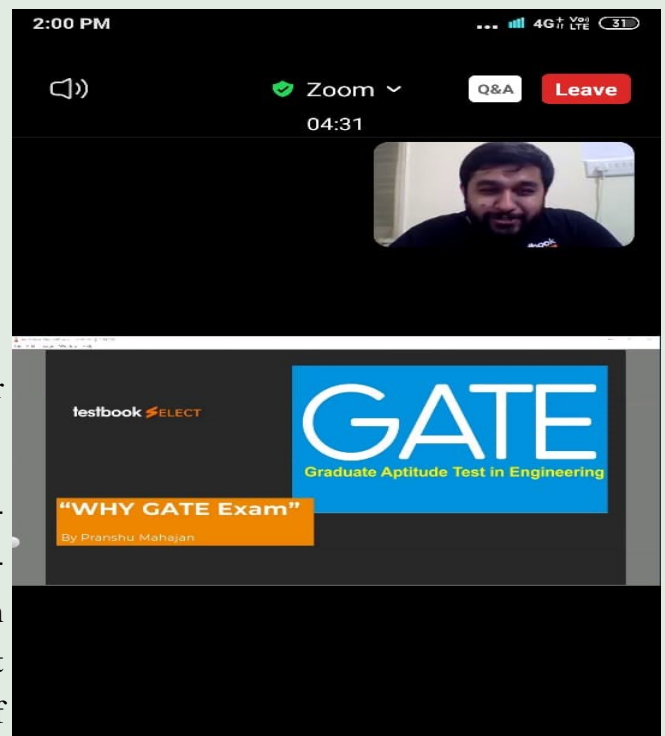
- Better job opportunities
- Higher pay packages
- Subject specialization
- Handsome stipend

GATE scorecard is valid for BE admission for four years.

GATE exam gained much popularity after various public-sector units (PSUs) signed a memorandum of understanding (MOU) with IITs for recruitment through GATE. So, clearing GATE can also help you get direct government sector jobs. The most lucrative aspects of PSU jobs are:

- High pay packages
- Work-life balance
- Extra benefits such as oil or electricity at a subsidised rate
- Support for higher education such as MBA

The recruitment procedure for PSU is a valid GATE score of the current year and then a round of Group Discussion (GD) and Personal Interview (PI). The weightage given to GATE score is between 75 per cent to 85 per cent. Different PSUs that recruit through GATE include PGCIL, NTPC, NHPC, IOCL, BHEL, etc. Benefitted participants are 53 students and 9 faculty members.



DEPARTMENT EVENTS

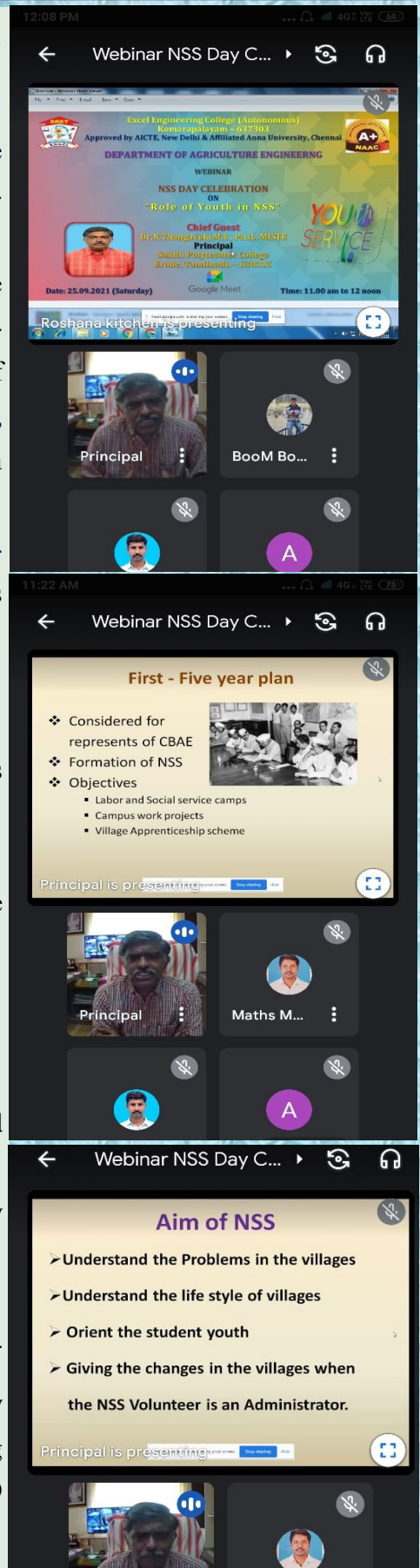
Webinar NSS Day Celebration on “Role of Youth in NSS”

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized one day Webinar on “NSS Day Celebration on Role of Youth in NSS” on 25.09.2021.

The webinar commences sharply at 11.00 am with welcome address by Dr.G.Vijayakumar, Professor & Head, Department of Agriculture Engineering, Mr.V.Bharath, AP/Agri introduced Chief Guest. Then Webinar Chief Guest Dr.N.Thangavelu, M.E., Ph.D., Principal, Sakthi Polytechnic College, Erode delivered webinar on Roles of Youth in NSS to our Agriculture Engineering students. In this webinar chief guest delivered the lecture to motivate our students “How to involve in NSS” and the following knowledge has been shared.

- To help the students to develop a democratic attitude and leadership qualities.
- Helping students to share responsibilities and develop abilities towards group living.
- Help to develop civic and social responsibilities among them.
- Help students to understand their roles and responsibilities in the community.
- Helping students to develop a capacity to handle emergency situations and natural disasters.
- Help to gain skills for organising participation to the community.
- To help students make use of their skills and knowledge to find practical solutions to community and individual problems.
- To point out the problems and requirements of the community and help in solving them in case any problem arises.
- To know about the type of community they work in.
- To help students practice towards national interrogation and social harmony.

The webinar was adjourned at 12.30 pm with vote of thanks by Mr.M.Murugesan, AP/Maths, NSS Coordinator, Excel Engineering College (Autonomous). Benefitted Participants are 70 students and 9 faculty members.



DEPARTMENT EVENTS

One Day National Level Workshop on “Fuel Conservation in Tractors and Diesel Pumps”

Department of Agricultural Engineering, Excel Engineering College (Autonomous) has organized One Day National Level Workshop on “Fuel Conservation in Tractors and Diesel Pumps” on 30.12.2021. Chief guest Mr.N.R.Vaideeswaran, External Faculty, Petroleum Conservation Research Association (PCRA), Ministry of Petroleum & Gas, Coimbatore has delivered Workshop on “Fuel Conservation in Tractors and Diesel Pumps” to our Agricultural Engineering students. Benefitted Participants are 46 students and 7 faculty members.

The main part of the costs of agricultural products is accounted for by energy tractors. Universal row-crop tractors perform 80% of the total volume of agricultural work at the present time .





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Recognized by UGC (21 & 12B)

NAAC A⁺
NBA ACCREDITED
R.E., AERO,
MECH, CSE,
ECE

Date
30.12.2021
(Thursday)

Time
10.00 a.m. to
1.00 p.m.

**DEPARTMENT OF
AGRICULTURE ENGINEERING**

**One Day National Level Workshop on
FUEL CONSERVATION IN
TRACTORS AND DIESEL PUMPS**

Chief Guest



Mr. N.R. Vaideeswaran
External Faculty, Petroleum Conservation
Research Association (PCRA),
Ministry of Petroleum and GAS, Coimbatore.

Venue: Kandhaswamy A/c Hall, Excel Group Institutions Campus

Programme Coordinators:
Mr. V.R. Vellingiri Assistant Professor
Mr. V. Bharath Assistant Professor

Activity Coordinator:
Mr. C. Manoj Prabhu Assistant Professor

Convener: Dr. G. Vijayakumar HoD



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