

## DEPARTMENT EVENTS

### Inauguration of GRAES (GReengrow Agriculture Engineers Society)

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized **Inauguration of GReengrow Agriculture Engineers Society** on 23.10.2021.

The Inauguration program commences sharply at 10.00 am with Prayer song by R.Mahalakshmi and Team Second year. Then Welcome address by Nandessha P G after that Inauguration of GRAES by Dr G Vijayakumar Head of the Department, Faculties and Society members. And Office barrier's introduction by Dr G Vijaykumar.

During the Inauguration Head of the department and Association coordinator delivered speech to motivate our students on "How to involve in Association" and the following knowledge has been shared.



INTRODUCED GRAES OFFICE BEARERS 2021

Functions of GRAES are as follows,

- To help the students to develop a skill for presenting their papers and journals
- 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 team and improve their leadership quality.
- Help to gain skills for organising participation to the community.
- To help students practice towards national interrogation and social harmony.
- 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.

The Inauguration was adjourned at 04.45 pm with vote of thanks by M.Shivalakshmi, Final year student, GRAES Coordinator and Association members, Excel Engineering College (Autonomous).

Benefitted participants are 46 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.


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 .





**Excel<sup>®</sup>**  
**ENGINEERING COLLEGE**  
**(AUTONOMOUS)**

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A<sup>+</sup> Grade - 3.28) and  
Recognized by UGC (21 & 12B)




**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**

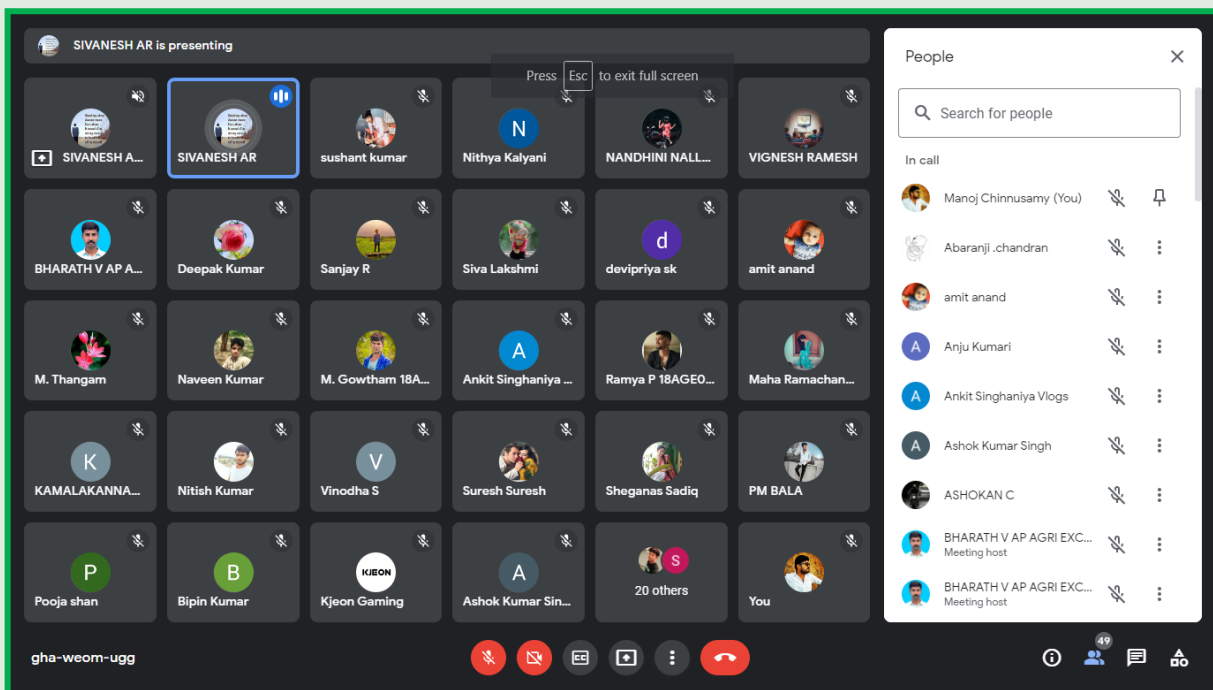
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## DEPARTMENT EVENTS

### Virtual Guest Lecture on "Lean Manufacturing in Agriculture Sector"

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized one day Virtual Guest Lecture on "Lean Manufacturing in Agriculture Sector" on 13.11.2021. the program started sharply at 11.00 am with welcome address by Ms. P.Ramya, Final year, Department of Agricultural Engineering, and Ms. C.Abaranji, Final year, Department of Agriculture Engineering has introduced Chief Guest.. Mr.A.R.Sivanesh M.E., (Ph.D), Assistant Professor, Department of Mechanical Engineering, Sri Ranganathar Institute of Engineering and Technology, Coimbatore has delivered Virtual Guest Lecture on "Lean Manufacturing in Agriculture Sector" to our Agriculture Engineering students.



Following topics were discussed,

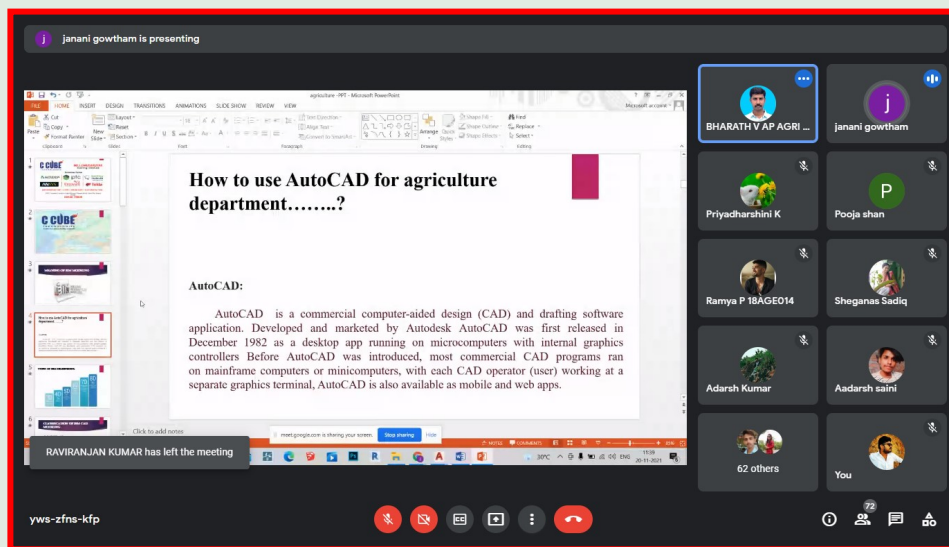
- The global population continues to grow and the effects of climate change impacts our food sources, it has become crucial for forward-thinkers to better understand more efficient ways to feed people.
- when you think of a practice that is the cornerstone of efficiency, you could easily go no further than lean manufacturing and the Toyota Production System (TPS).
- what about agriculture and lean farming? For almost a decade, a farmer in northern Indiana embraced the principles of the TPS.
- Through the practice of lean farming, Hartman has significantly cut his worked hours, shrunk the size of his farm and increase his income.

The webinar was adjourned at 12.30 pm with vote of thanks by Ms. V.Vishunupriya. Final year, Department of Agriculture Engineering, Excel Engineering College (Autonomous). Benefitted Participants are 86 students and 9 faculty members.

## DEPARTMENT EVENTS

### “Virtual Guest Lecture on Application of CAD in Design of Agriculture Equipment’s”

Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized one day Virtual Guest Lecture on “Application of CAD in Design of Agriculture Equipment’s” on 20.11.2021. The program started at 11.30 am with welcome address by Ms. S.Shaganas Banu and Ms. S.Pooja, II-year, Department of Agriculture Engineering, introduced Chief Guest. Then guest lecturer Er. M.Janani Gowtham. B.E., Design Engineer, C Cube Technology has delivered Virtual Guest Lecture on “Application of CAD in Design of Agriculture Equipment’s” to our Agriculture Engineering students.



In this guest lecture chief guest delivered the lecture about “Application of CAD in Design of Agriculture Equipment’s” and the following knowledge have been shared. The training will cover basics of CAD, 3D modelling and structural analysis of farm machineries using CREO parametric software. Computer and software technologies now-a-days used in the design and manufacture of complex multifunction systems offer great benefits in terms of cost, time and labour savings. Students will get by applying this knowledge on various projects in agricultural engineering. Benefitted participants are 103 students and 7 staff members.

An event poster for a virtual guest lecture. At the top, it features logos for SRET, Excel Engineering College (Autonomous), and NAAC A+. The text reads: "EXCEL ENGINEERING COLLEGE (Autonomous) Komarapalayam – 637303 Approved by AICTE, New Delhi Affiliated Anna University, Chennai". Below this, it says "DEPARTMENT OF AGRICULTURE ENGINEERING VIRTUAL GUEST LECTURE ON 'Application of CAD in Design of Agriculture Equipment's'". A yellow banner across the middle says "NEWSLETTER VOLUME 1 ISSUE 1". Below the banner is a photo of Er. M. Janani Gowtham, Design Engineer at C Cube Technologies, Erode, Tamilnadu – 638001. Logos for C Cube Technologies, Autodesk, and the Institutions Innovation Council are also present. At the bottom, it states "Date: 20.11.2021 (Saturday)" and "Time: 11.30 am to 01.00 pm" with a Google Meet logo.

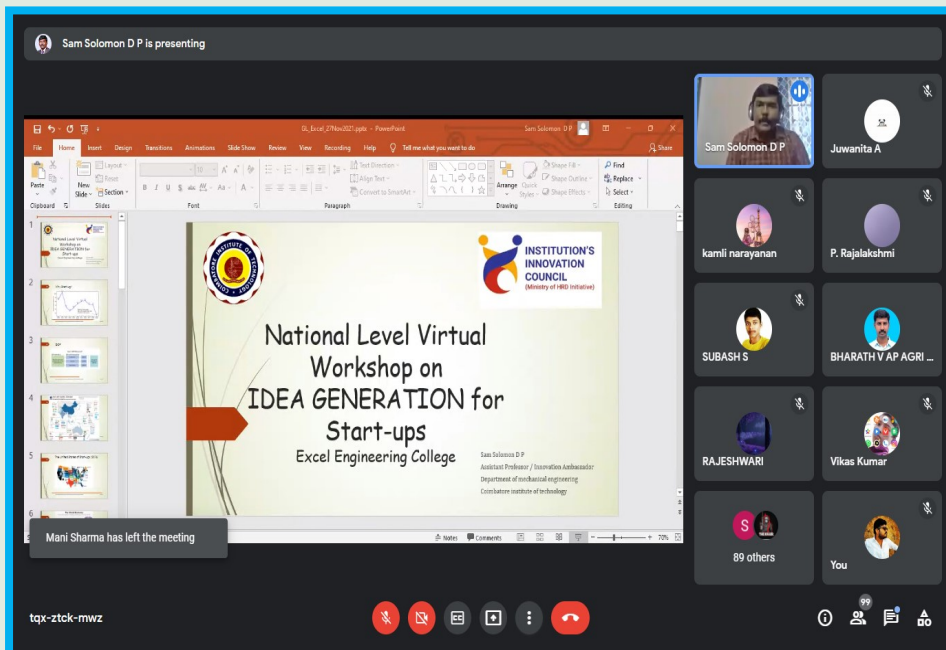


## DEPARTMENT EVENTS

### "National Level Virtual workshop on Idea Generation for Start-ups "

Department of Agricultural Engineering, Excel Engineering College (Autonomous) has organized one day "National Level Virtual workshop on Idea Generation for Start-ups " on 27.11.2021.

Welcome address was given by Ms. P. Rajalakshmi and Ms. N. Kamalisri, III-year, Department of Agriculture Engineering, introduced the Chief Guest. Then guest lecturer Mr. Sam Solomon D P. Assistant Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology (CIT), has delivered Virtual Guest Lecture on Idea Generation for Start-Ups " to our Agriculture Engineering students.



The following knowledge have been shared with the students:

- ◆ Day 1 – Day 4: Sketch ideas within the first four days on the industry that focused. Try to brainstorm without constraints and work out all possible ideas you have. The key is to make sure that you have enough ideas to be eliminated in the next stage.
- ◆ Day 5 – Day 7: From the list you have brainstormed, decide on the top 3 ideas which you think will succeed.
- ◆ Day 8 – Day 11: Do your market research, surveys and reading secondary data on your industry. One important thing is to make sure that you end up getting the final idea. Make sure you talk to people in the industry whether they are from an MNC and start-up.
- ◆ Day 12 – Day 14: Focus on the last idea you have eliminated and work out the timeline and milestones so that you can get a prototype to market within 6-8 weeks from this date.

The Guest Lecture was adjourned at 1.00 pm with vote of thanks by Ms. B. Nishanthini, III year student. Benefitted participants are 103 students and 9 faculty members.