

EXCEL ENGINEERING COLLEGE

(AUTONOMOUS)
KOMARAPALAYM, NAMAKKAL-637303

DEPARTMENT OF AGRICULTURAL ENGINEERING NEWSLETTER



2021-2022



INNOVATION GROWS HERE

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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.

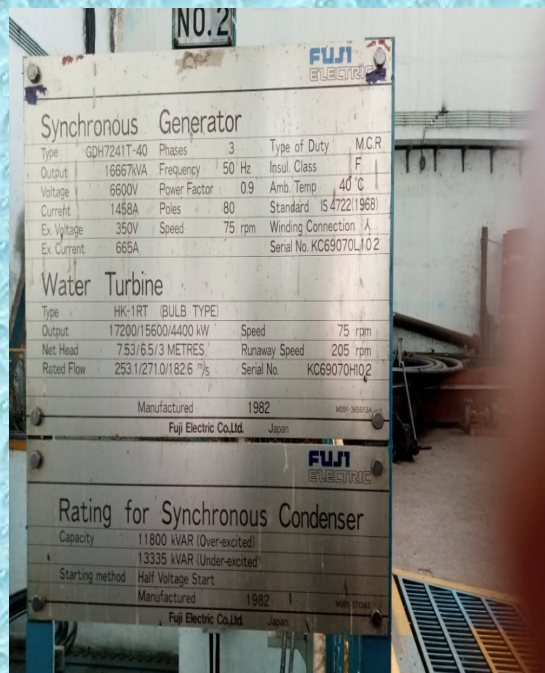
HoD's Message



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.

Internship By II Year Students



II Year Agricultural Engineering Students Adithiya P K, Naveen Kumar, Rajeshwari, Kanagaraj, Mohanraj, Deepika & Christy Devapriya has attended the internship training at Hydro Electric Power Plant, Koneripatti Bridge, Mettur Main Road, Salem (District) on 26.02.22 . They have learnt about the working of dam/reservoir and the components of power plant intake, penstocks, turbines, generator, tail-race.

Internship By III Year Students



III Year Agricultural Engineering Students, Lisa Anto, Pooja, Juwanita & Kayalvizhi had attended the first day internship training at Thanjavur District Co Operative Milk Producers Union Ltd , Thanjavur on 22.2.2022.



Internship By Students



III Year Agricultural Engineering Students, Deepika, Poongodi, Thangam & Pavithra had attended the first day internships training at SPAC Starch Products (India), Ltd., Anthiyur, Erode (District) on 22.2.2022.



III Year Agricultural Engineering Students, Jagath, Prakash, Madhan & Lakshmi Narayanan had attended the first day internships training at Solarcare India Pvt Ltd, Coimbatore on 22.2.2022.



III Year Agricultural Engineering Student Chewang Tamang had attended first day internship training at KVK South Sikkim, Namthang, South Sikkim on 22.2.2022.

Internship By Students



III Year Agricultural Engineering Students, Lisa Anto, Pooja, Juwanita & Kayalvizhi had attended the first day internship training at Thanjavur District Co Operative Milk Producers Union Ltd , Thanjavur on 22.2.2022.

III Year Agricultural Engineering Students, Boopalraj, Manoj Kumar J, Sanjay & Krishun had attended the first day internship training (Assembly of Gearbox in Rotavator) at Dharanee Agroviders, Perundurai, Erode (District) on 22.2.2022.



III Year Agricultural Engineering Students Nasrin & Firdous Fathima had attended the first day internships training at GV Tractors, Swaraj Tractors, Spare Parts, Service & Tractor Implements, Thindivanam on 22.2.2022.

Internship By Students



III Year Agricultural Engineering Student Boopalraj, III Year Agricultural Engineering Students, Jagath, Manoj Kumar J, Sanjay & Krishun had attended the third and fourth day internship training (Fitting of Rotors and Drilling Process) at Dharanee Agrovators, Ltd, Coimbatore on 22.02.2022. Perundurai, Erode on 22.2.2022.



III Year Agricultural Engineering Students Jagath, Prakash, Madhan, Lakshmi Narayanan & Mahamuni had attended the fifth day internship training (Repair Maintenance Service) at Solarcare India Pvt Ltd, Coimbatore, training at KVK South Sikkim, Namthang, South Sikkim.



III Year Agricultural Engineering Student Chewang Tamang had attended the fourth day internship training (Oyster Mushroom Cultivation) at KVK South Sikkim, Namthang, South Sikkim.

Internship By Students



III Year Agricultural Engineering Student Prem, Nishathini, Dharshini, Roshan, Ranjith & Birindhaa had attended the third and fourth day internship training Tomato Weighing and Kept in (Solar Drier & Making Chocolate Dry Banana) at Tamilnadu Banana Producers Pvt. Ltd., Thottiyam, Trichy.

III Year Agricultural Engineering Students Nasrin & Firdous Fathima had attended the third and fourth day internship training at GV Tractors, Swaraj Tractors, Spare Parts, Service & Tractor Implements, Thindivanam.



III Year Agricultural Engineering Students Nasrin & Firdous Fathima had attended the first day internships training at GV Tractors, Swaraj Tractors, Spare Parts, Service & Tractor Implements, Thindivanam.

III Year Agricultural Engineering Student Kamalisri & Arthi had attended the third and fourth day internship training at The Pudukkottai District Co-Operative Spinning Mill Ltd.,

Internship By III year Students



III Year Agricultural Engineering Students, Deepika, Poongodi, Thangam & Pavithra had attended the first day internships training at SPAC Starch Products (India), Ltd., Anthiyur, Erode (District).

III Year Agricultural Engineering Students, Jagath, Prakash, Madhan & Lakshmi Narayanan had attended the first day internships training at Solarcare India Pvt Ltd, Coimbatore.



III Year Agricultural Engineering Student Chewang Tamang had attended first day internship training at KVK South Sikkim, Namthang, South Sikkim.

Academic Year 2021-2022
Memorandum of Understanding Signed

S.No	Name of the Company/Organization/Institute	Address	Theme of MoU
1	CADD CENTRE	LAKSHMI NAGAR, BHAVANI (TK), ERODE (DT) - 638301	To Enhance the Students Skills in Design and Technical
2	Irrigation Management Training Institute,	THUVAKUDI, TIRUCHIRAPPALLI – 620015.	To Enhance the Students to attend the Internship and Industrial Visit.

Academic Year 2021-2022
STUDENT PARTICIPATION
Symposium Paper Presentation Details

S.No	Student Name	Date	Paper Title	Title of Symposium	Organizing Institution & Venue	Prize/Award	Online/Offline Mode
1	B.Nishanthini	20.10.2021	Agronomy	IgnitiON'21	CARE College of Engineering, Dindigul Road, Trichy	II	Online
2	L Lisa Anto						
3	K, Pooja	20.10.2021	Dairy Engineering	IgnitiON'21	CARE College of Engineering, Dindigul Road, Trichy	Participated	Online
4	A.Juwanita						
5	T. Deepika	20.10.2021	Food Preservation	IgnitiON'21	CARE College of Engineering, Dindigul Road, Trichy	Participated	Online
6	Jagath V	20.10.2021	Self Cleaning Solar Panels	IgnitiON'21	CARE College of Engineering, Dindigul Road, Trichy	Participated	Online

STUDENT PARTICIPATION

Seminars / Workshops/Webinar Attended

S. No	Student Name	Year/Sec	Title of the Seminar / Workshop/Webinar Attended	Date	Organized Institution & Venue
1	Sonu Kumar	II	National Level Webinar on Sustainable Integrated Cropping and Farming System Models with Special Reference to Banana for En-	07.07.2021	ICAR – National Research Centre for Banana, Tiruchirappalli.
2	P.G.Nandheesha	IV			
3	Deepika T	III	Big – Data – IoT (Agri Tech Workshop)	26.01.2022	SRM Institute of Science and Technology, India
4	S.Priya				
5	V.S.Poongodi				
6	A.Juwanita				
6	P.G.Nandheesha	IV			
7	Deepika T	III	National Level Webinar on Strategy for Managing Personal Finance	25.01.2022	Rani Channamma University, Belagavi, Karnataka
8	K.Kayalvizhi				
9	P.Kiruba Darthi				
10	V.S.Poongodi				
11	V.S.Poongodi	III	National Level Seminar on Thoughts of Netaji for the youth of 21 st Century	24.01.22	PSG College of Arts & Science, Coimbatore
12	V.S.Poongodi	III	National Level Seminar on Thoughts of Netaji for the youth of 21 st Century	24.01.22	PSG College of Arts & Science, Coimbatore
13	V.S.Poongodi	III	National Level Webinar on Strategy for Managing Per-	21.01.22	Seshadripuram First Grade College, Bengaluru, Karnataka
14	V.S.Poongodi	III	National Level Webinar on Financial Empowerment	17.01.22	Kalna College, Kalna, Purba Bardhaman, West Bengal.
15	V.S.Poongodi	III	National Level Webinar on Financial Empowerment	11.01.22	SCAD College of Engineering & Technology, Tirunelveli.
16	V.S.Poongodi	III	Webinar on Innovative Cultivation and Utilization of	27.01.22	G.Venkatasamy Naidu College, Kovilpatti

Academic Year 2021-2022
Extension Activities (Online Course)

S.No	Student Name	Year	Title of the Event	Duration	Organizing Institution & Venue
1	N.Kamalisri	III	Internet of Things Master Class	19.09.2021 – 18.10.2021 (30 Days)	Pantech e Learning Pvt.Ltd, Chennai
2	B.Nishanthini				
3	Jagath V				
4	A.Juwanita				
5	K,Pooja				
6	C.Pavithra				
7	L Lisa Anto				
8	P.Bhagyashree	IV	Basics of Managing Money	04.08.2021 (4 Hours)	TRAININDIA, PRIMESC
9	P.Bhagyashree	IV	Quantitative Aptitude	January 2022	Great Learning Academy
10	V.S.Poongodi	III	Influencer Marketing	January 2022	Great Learning Academy
11	V.S.Poongodi	III	Digital Marketing Strategy	January 2022	Great Learning Academy
12	V.S.Poongodi	III	Introduction to Cyber Security	25.01.2022	SkillUP by Simplelearn

FACULTY COLUMN

Academic Year 2021-2022

Seminars / Workshops / Summer / Winter Schools/ Training Programmes

Attended Details

Sl. No	Faculty Name	Title of the Conference / Seminar / Workshop / FDP/ STTP/Webinar Attended	Date	Venue	Sponsoring Authority
1	Mr.V.R.Vellingri	Online Elementary FDP on Alternative Fuel	22.11.22 to 26.11.22	Government Engineering College, Modasa.	AICTE Training and Learning (ATAL) Academy
		Three Days National Level Seminar on Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the Benefit of Cauvery Delta Region Farmers	20.01.22 to 22.01.22	Kongu Engineering College, Perundurai, Erode (District)	CSIR Sponsored
2	Mr.Gowtham Vijaya-	Webinar on Financial Empowerment Through	11.01.2022	SCAD College of Engineering and Technolo-	Self
3	Mr.S.Rameshkumar	Two Day National Level Seminar on Recent Research Trends in Renewable Energy Technologies	06.01.2022 to 07.01.2022	Kongu Engineering College, Perundurai, Erode (District)	CSIR Sponsored
		Three Days National Level Seminar on Awareness Program on Possible Utilization of Renewable Energy Sources in Agricultural Applications for the Benefit of Cauvery Delta Region Farmers	20.01.22 to 22.01.22	Kongu Engineering College, Perundurai, Erode (District)	CSIR Sponsored

FACULTY COLUMN

Sl. No.	Faculty Name	Title of the Conference / Seminar / Workshop / FDP/ STTP/Webinar Attended	Date	Venue	Sponsoring Authority
4	Mr.V.Bharath	Two Day National Level Seminar on Recent Research Trends in Renewable Energy	06.01.2022 to 07.01.2022	Kongu Engineering College, Perundurai, Erode (District)	CSIR Sponsored
		Orientation/Refresher Programme on Energy Efficient Buildings	01.12.2021 to 07.12.2021	G.H.Patel College of Engineering and Technology, Vallabh Vidyanagar, Gujarat.	AICTE-ISTE
		Online Elementary FDP on Biomass to fuels, Chemicals and Value- Added Products for Sustainable Energy and Environmental Future	20.12.2021 to 24.12.2021	National Institute of Technology, Tiruchirappalli.	AICTE Training and Learning (ATAL) Academy
4	Mr.V.Bharath	Online Elementary FDP on Research Aspects on Thermal Barrier Coatings	06.12.2021 to 10.12.2021	Mepco Schlenk Engineering College (Autonomous), Sivakasi.	AICTE Training and Learning (ATAL) Academy
		Online Elementary FDP on Research Perspectives: Renewable Energy in Electric Vehicle Charging	22.11.2021 to 26.11.2021	Sri Ramakrishna Institute of Technology, Coimbatore	AICTE Training and Learning (ATAL)
		Six Days Online Induction Program on Value Based Education System – Current and	13.12.2021 to 18.12.2021	Panimalar Institute of Technology, Chennai.	AICTE-ISTE
		Online Elementary FDP on Earthquake Resistant Design and Construction Practices.	29.11.2021 to 03.12.2021	University Institute of Technology, RGPV.	AICTE Training and Learning (ATAL)
5	Mr.C.Manoj Prabhu	Online Elementary FDP on Role of Green Technologies in Sustainable Development.	29.11.2021 to 03.12.2021	University Institute of Technology, RGPV.	AICTE Training and Learning (ATAL)
		Five Days FDP on Challenges and Innovative Techniques in	29.10.2021	Jyothi Engineering College, Cheruthu-	Self

FACULTY COLUMN

VALUE ADDED COURSES

S.No	Faculty Name	Date	Title of the Program	Duration	No. of Participants
1	Mr.V.R.Vellingri Mr.V.Bharath	20.01.2022 to 31.01.2022 (9 Days)	Value Added Course on Applications of CNC Machines in Agriculture Sector	5 Hrs/Day	53
2	Mr.Gowtham Dr.Vijayakumar Mr.S.Rameshkumar	20.01.2022 to 31.01.2022 (9 Days)	Value Added Course on Value Addition and Processing of Agri Products	5 Hrs/Day	16

Details of Extension Activities (NSS, YRC, YI, Blood Donation etc.)

S. No	Faculty Name	Date	Title of the Programme	Duration	No. of Participants	Resource Person Name, Designation & Address
1	Mr.V.Bharath	25.09.2021	Webinar NSS Day Celebration on "Role of Youth in NSS"	11.00 AM To 12.30 PM (2 Hrs)	79	Dr.N.Thangavelu M.E., Ph.d., MISTE Principal, Sakthi Polytechnic College, Erode (Dt), Tamilnadu – 638315 9443346216 & erthangavelu11@gmail.com

(Awards, Recognition, Journal & Conference Reviewer, Editor, MOUs Signed, Placement Activities, NPTEL On-line Courses etc.)

Sl. No.	Faculty Name	Date/Month	Activity	Institute Name/Organization/Company Name with	No of Students Placed/Internship
1	Mr.V.Bharath	28.12.2021	MoUs Signed	Irrigation Management Training Institute, Thu-	-
2	Mr.R.Ramesh Kumar	December	Placement	AASTRAIN International Aviation, Chennai.	2 Students (P.Bhayaasree & V.Nishalini) (2.75 LPA with 2

PLACEMENT COLUMN



EXCEL ENGINEERING COLLEGE

KOMARAPALAYAM - 637 303

DEPARTMENT OF AGRICULTURAL ENGINEERING

CONGRATULATIONS FOR PLACEMENT ACHIEVEMENTS

ACADEMIC YEAR: 2021-22



Ms.P.BHAGYASREE, IV YEAR



Ms.M.NISHALINI, IV YEAR

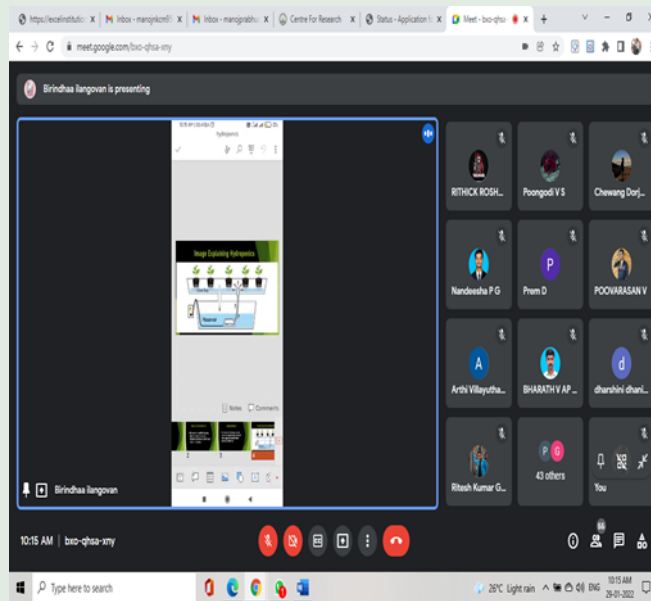
PLACED IN AASTRIN INTERNATIONAL AVIATION, CHENNAI

SALARY PACKAGE : 3.75 LPA WITH 2.00 LPA VARIATIONS

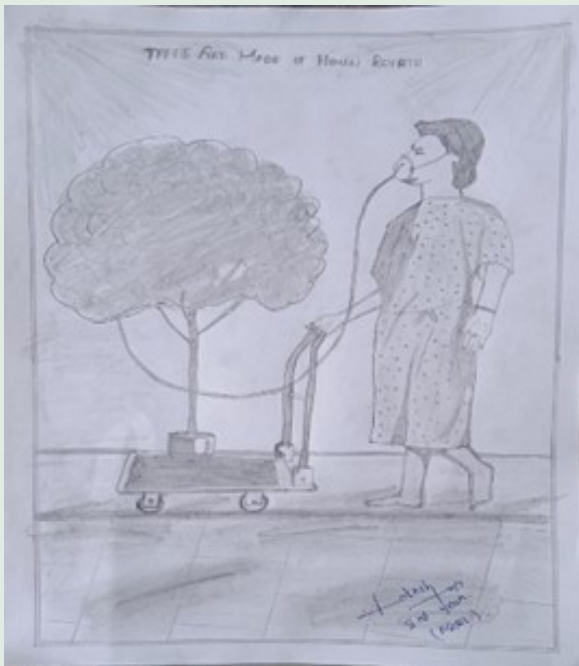
DEPARTMENT EVENTS

“PROJECT CONTEST ON EMERGING TRENDS IN AGRICULTURE”

GREengrow Agriculture Engineers Society, Department of Agricultural Engineering, Excel Engineering College (Autonomous) has organized “Project Contest on Emerging Trends in Agriculture” on 29.01.2022. Agricultural Engineering students participated in the Contest and showcased their project ideas and presented as PPT. Benefitted participants are 68 students and 03 faculty members.



“TALENTINA CONTEST”



Department of Agriculture Engineering, Excel Engineering College (Autonomous) has organized “Talentina Contest” on 29.01.2022. many students have participated and presented their talents.