

# AGCARIC'24

DEPARTMENT OF AGRICULTURAL ENGINEERING



**ROHINI**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Approved by AICTE and affiliated to Anna University,  
(Anna ISRO Certified Institution)  
(AUTONOMOUS)







**“ THE BEAUTIFUL THING ABOUT LEARNING  
IS THAT ON ONE CAN TAKE IT AWAY FROM YOU .”**



As the chairman of Rohini college of engineering I am beyond thrilled to see our students taking the initiative to create a Agricultural Department magazine. It is a testament to the creativity, passion, and commitment of our students to leave a lasting impact on this college. I have no doubt that the magazine will be a platform for students to express their ideas, share their experiences and showcase their talents. I wish you all the best in your endeavor and cannot wait to see the final product. Let us continue to push the boundaries of knowledge, creativity, and excellence. Go students!

I extend my warmest wishes to each and every one of you. Your dedication and commitment to providing quality education to our students is truly inspiring and I am grateful for your hard work. This college has come a long way since its establishment and we have grown into a thriving educational institution, providing students with the skills and knowledge they need to succeed in the future. Our faculty and staff are the backbone of this success and I want to thank each of you for your contributions. In the coming year, I look forward to our continued growth and success. Let us work together to make this college the best it can be, providing students with a well-rounded education and an enriching experience. Once again, thank you for your hard work and dedication. I am confident that with your continued efforts, we will achieve great things.

**Best wishes,  
Shri. K. Neela marthandan  
Chairman,  
RCET**



**“Leadership is not about authority,  
but service and inspiration”**



As the pro chairman of Rohini college of engineering and technology I extend my warm greetings to all of you . I am extremely proud and delighted to see your initiative to bring forth a department magazine. Your eagerness to showcase your talent and creativity is commendable and I wholeheartedly support your effort and department magazine serves as a medium to showcase the talents and potential of the students and I am sure that this magazine will be a testament to the hard work and dedication of the students . I am confident that you will make the most of this opportunity . I wish you all the best in your endeavors .

Our college is renowned for its commitment to providing quality education and creating a positive and supportive learning environment .Our faculty and staff are dedicated to helping you reach your full potential and achieve your academic and personal goals . In addition to a comprehensive curriculum , our college offers a wide range of extra curricular activities , clubs, and organizations that will allow you to explore your interests and develop your skills outside of the classroom .We also have state -of-the- art facilities and resources , such as modern labs and libraries that will enhance your learning experience . As you settle into life at our college , I encourage you to take advantage of all that this institution has to offer . Engage with your peers and make friends participate in events and activities , and take advantage of all opportunities to learn and grow . Finally , I wish you all best in your studies and your future endeavors . I am confident that you will make the most of your time at our college and emerge as well-rounded individuals , ready to make a positive impact on the world .

**Best wishes ,  
Dr.N .Neela vishnu,MBA,Ph.D,  
Pro-Chairman,  
RCET**



**“QUALITY EDUCATION IS NOT JUST ABOUT ACADEMIC ACHIEVEMENT  
:ITS ABOUT NUTURING WELL-ROUNDED INDIVIDUALS WHO CAN THRIVE  
IN A RAPIDLY CHANGING WORLD.”**



As the Managing Director of this Rohini College of Engineering and technology, I am proud of the creativity, talent, and drive that you bring to this project. Creating magazine is a wonderful opportunity to showcase the talents, perspectives, and achievements of our students, as well as to foster a sense of community and collaboration within our college. I have no doubt that the magazine you create will be true reflection of the spirit and energy that make our institution so special. As you work on this magazine, I encourage you to be bold and imaginative, to challenge yourselves and each other, and to take advantage of every opportunity to learn and grow. I also encourage you to seek out guidance and support from your peers, teachers, and other members of our college community as needed.

I am proud to lead such dedicated and talented group of individuals, and I am confident that we will achieve great success together. This year, our department is poised to continue providing students with world-class education and a positive and supportive learning environment. Our faculty and staff are committed to helping each student reach their full potential and achieve their academic and personal goals. I also encourage everyone to participate in the many extracurricular activities, clubs, and organizations offered by our college. These opportunities allow you to explore your interests, develop new skills, and make new friends. As we embark on this new academic year, I wish each of you the best of luck and success. Whether you are a student, a faculty member, or a staff member, I am confident that you will make positive impact on our college community. Let's work together to make this year one of growth, discovery and achievement for all.

Best wishes,  
Dr.V M BLESSY GEO, M.Sc, Ph.D,  
RCET



**“EDUCATION IS THE PASSPORT TO THE FUTURE, FOR TOMORROW BELONGS TO THOSE WHO PREPARE FOR IT TODAY.”**



As the principal of this Rohini College of Technology, I would like to express my heartfelt gratitude to all of you who have worked so hard to create a department magazine for our college. Your hard work, creativity, and passion are truly inspiring, and I am deeply proud of all that you have accomplished. The department magazine is a wonderful way to showcase the talents, perspectives, and achievements of our students, as well as to foster a sense of community and collaboration within our department. Your publication is a true reflection of the spirit and energy that make our college so special, and I have no doubt that it will be a source of pride and inspiration.

I am confident that with hard work, dedication and a positive attitude, you will achieve great success this year and beyond. Remember that your college experience is what you make it. Take advantage of all the opportunities available to you, whether in the classroom or through extracurricular activities, and challenge yourself to grow and develop in new ways. Surround yourself with positive, supportive individuals who will encourage you and help you achieve your goals. I also encourage you to be proactive in seeking our help and support when you need it. Our faculty and staff are here to support you and to help you succeed. Don't be afraid to ask for assistance when you need it, and never hesitate to reach out to us if you have any question or concerns. Finally, I would like to wish each and every one of you the best of luck as you embark on this new academic year. I am confident that with hard work and determination, you will achieve great success and make the most of your time at our college.

Best Wishes,  
Dr.R Rajesh, M.E, Ph.D,  
Principal,  
RCET



**"Cultivating excellence, igniting innovation steering towards success with passion and purpose."**



To everyone of you who has put in so much effort to produce a magazine for our department, I would like to send my best wishes. The department magazine is a fantastic platform for showcasing our students' talents and inventiveness. Additionally, it fosters cooperation and a sense of community among our department. I commend each and every one of you for your intense work and commitment. Agricultural Engineering is the engineering discipline that applies engineering science and technology to agricultural production and processing. Agricultural engineering has been accepted as one of the major disciplines which contribute significantly in increasing the productivity of agriculture in the country by way of increasing efficiency of inputs, conservation of resources and reducing post harvest losses besides value addition of agro-produce. Our departments has a team of highly qualified and experienced faculty, excellent infra structure and lab facilities. The departments has laboratory and workshop facilities with state-of-the-art equipment to carry out research in all areas related to Agricultural Engineering. Our objective is not to merely produce professionals capable to serve their own needs but endeavor to serve the society with great concern for human values. We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. The core values of the departments help the students to develop their overall personality and make them worthy to compete and work at global level. Regular activities namely training in tractor driving, mushroom growth, feld development, hydroponics have been arranged and students have been encouraged to participate in the events. Regular interaction with industry through collaborative projects, course requirements and general discussions on advancements in technological aspects develop an environment closer to the practical essence of engineering. The Agricultural Engineering department at RCET is continuously striving to update and equip the students with the modern skills and expertise to meet the latest industry trends along with developing sustainable and ethical model for global agriculture development.

**Best wishes  
Mrs.K.Krishna Veni  
Head Of The Department**



# DEPARTMENT FACULTY WISHES



I Would like to extend our warmest wishes to all of you for creating the department magazine. I appreciate that you have a kind heart, as well as being super and smart. Promise yourself to never give up and this year will be yours. And all the best and wishes for your upcoming future

*Mr.N.ArunPandian B.Sc, M.Sc  
(Assistant Professor)*



If the taste of world is decreasing "A tasteless Era" The quality of world is decreasing "A quality less Era" The durability of struggle increases "A struggle full Era" Cheer up guys have a perfect day with "A perfect tea". I wish you overcome all this and become a Quality fulfilled, tasteful person.. I'm sure you are The best & make this as Best era.

*Mr.P.Venkateshan.B.Sc, M.Sc  
(Assistant Professor)*



Good things remain good only because they are always scarce. I am glad to pen for this wonderful magazine as an appreciation of the commendable efforts put forth by the team for its grand beginning. The efforts taken to bring about innovative content is appreciable. Content on the various opportunities available in the corporate world and alerts on various student level competitions shall be included hence forth. Wish you all a grand operation throughout the year

*Dr.M.SIVARAJ, M.E, M.C.C, Ph.D  
(Professor)*



# DEPARTMENT FACULTY WISHES



As I extend my warmest congratulations to each and every one of you who has contributed to this magazine. Your enthusiasm and commitment to showcasing the diverse talents and perspectives within our student body have truly shone through every page. From insightful articles to captivating artwork, each contribution reflects the unique spirit of our community. Congratulations once again, and thank you for enriching me with your talents and contributions.

*Mr. Rajiv Gandhi. R B.E, M.E  
(Assistant Professor)*



*My best wishes to all of you for creating the magazine. Your assiduous and generosity being excellent and quick witted. Hope you all triumph in what lies ahead. My blessings for all your victory.*

*Mrs. Nithya. K B.E, M.E  
(Assistant Professor)*



## CHIEF EDITOR'S MESSAGE

**"THE ONLY WAY TO DO GREAT WORK IS TO LOVE  
WHAT YOU DO."**



When you start germinate , they will enjoy after seeing you! When you ask nutrients for the vegetative growth, The love which the mother showing on you is called nutrients. When the pests and diseases attacks on you, your father's reprimands are enough protection for you. When you have overcome all the struggles and turn into a well grown human .Atlast, what is your responsibility? You have to make them fruitful happiness.#someone asked me, "I told to my inner child always being a happiest man ever?And I replied to them, " I told to my inner child always laugh and confuse him that you are for sure happy and to make the man happy , now the man is as always asking to the inner child, what was the inner child's desires and he makes the desires as fulfilled.So dear students , I always want to see you that "Listen your creativity and note down and make the creativity as reality" . Listen your inner child and make them happy too.This is the age to learn and won. My dearest future pillars to achieve your goals

*Mr.P.Venkateshan B.Sc, M.Sc  
(Assistant Professor)*



# STUDENTS EDITOR'S MESSEGE



I'm happy to know that our department brings a magazine. Our institutes offers a lot of knowledge extracurricular activities and skills .As a agricultural engineering student it provides various knowledge and wide scope and get us learn more about it  
- M.Ragul IIIrd year



There is a quiet about the life of a farmer, and the hope of a serene old age, that no other business or profession or promise & I am very glad that our department brings out the magazine highlighting the agriculture  
- M.Subash Balaji IIIrd year



I am a happy and proud student of Rohini College of Engineering and technology and my college is a hub of innovation and excellence in agricultural engineering with dedicated faculty and cutting-edge facilities, we empower students to thrive academically and personally,making a lasting impact in the field of agriculture.  
-E.Vignesh IIrd year



I am happy to study in Rohini college of Engineering and technology. I am really thankful to the college management for introducing our course B.Tech Agriculture Engineering in our college all staffs and faculty members are very kind and putting their efforts to create an engineer .  
-Swetha.P IIrd year



# ABOUT RCET

Rohini college of Engineering and Technology (RCET) was started in the year 2012 by Shri.K.Neela Marthandan, a great Industrialist and philanthropist and now managing by this son Dr.N.Neela Vishnu. It located at palkulam near anjugramam junction & Kanyakumari , the southmost town in India . RCET is about 5 Kms from kanyakumari railway station and 14 Kms from Nagercoil junction. RCET is approved by All India Council for technical Education (AICTE).New Delhi & affiliated to Anna university, chennai since 2012. The main feature of the college comprises world class infrastructure with experienced and talented faculties, excellent pass percentage, good placement records and projects develop by students

## OUR VISION

To be an academic institute of continuous excellence towards education and research in rural regime and provide service to nation in terms of nurturing potentially higher social, ethical and engineering companion

## OUR MISSION

. To foster and provide technically competent gradunads by imparting the state of art engineering education in rural regime  
.To enunicate reasearch assisted scientific learning by dissemination of knowledge towards science, agriculture industry and national security





# ABOUT US

The Department of Agricultural Engineering was started in the year 2021 with an intake of 63 students. The department accommodate outcome-based education which helps the students to learn, develop and serve to the society. The department has experienced and dedicated faculty with a wide range of specifications like Agricultural farm management, Cultivation of various crops, Farm machinery operating systems, modern farming technology The faculty members have published more than 15 papers in National/International journals/Conferences and had written 3 books during the last 2 years and received many awards. Apart from regular curriculum the students were provided with a lot of opportunities to work on projects and skill development programs to serve the growing needs of the country in the field of Agriculture. The department has successfully conducted various workshops including mushroom cultivation, organic fertilizers preparation, Tissue culture lab (culture media preparation), Tractor driving and operation system. The department has conducted international conference and national level technical symposium. Department had organized guest lectures, seminars, workshops, Industrial visits . Students have been motivated to attend internships in various institutions. The department has well established laboratory facilities to conduct research work on different specialized areas of Agricultural Engineering. The students of the department have participated in hackathon projects organized by EDII Hackathon organized by Tamilnadu government. The department has signed with MOU SMIDS and vivekananda Kendra. Our motto is to create job creators rather than job seekers

## OUR VISION

To inculcate competency in the field of agricultural Engineering in rural regime by promoting science based agricultural practices for the betterment of the society.

## OUR MISSION

To provide and promote indepth knowledge in agricultural engineering through effective teaching - learning methodologies.

To promote research in frontier areas, develop world class technologies in the field of agricultural engineering for the betterment of the society.

To impart training in entrepreneurial and life skills for enhancing employability.





# OUR DEPARTMENT



R.R Jenisha  
**PRESIDENT**



A.I. Ashick Benjamin  
**GENERAL SECRETARY**



B. Thershini  
**TREASURE**



J. Kishore Andrews



P. Arul pandi



E. Vignesh



Aswini L.V



R.J Viflin Meeha

**MEMBERS**





# ARTICLES



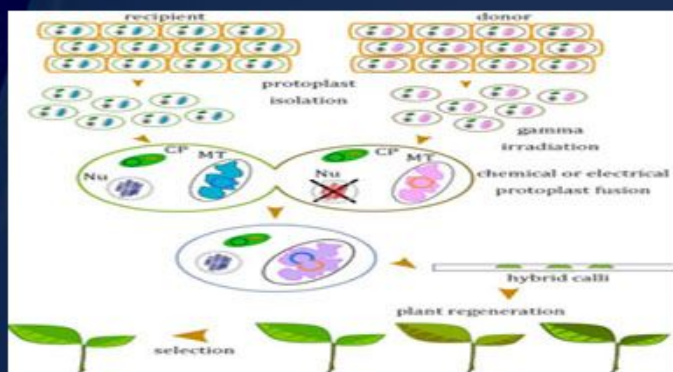


# Hybrid Production: Revolutionizing Agriculture for a Sustainable Future

## Introduction:

Hybrid production has emerged as a transformative practice in agriculture, revolutionizing the way we cultivate crops and raise livestock. By leveraging the power of crossbreeding, genetic manipulation and biotechnology, hybrid production offers unprecedented opportunities to enhance productivity, Resilience, and sustainability in food

## Evolution of Hybrid Production:



The concept of hybrid production traces its roots back to ancient agricultural practices, where farmers selectively bred plants and animals to improve desirable traits such as yield, taste, and resilience. However, the advent of modern biotechnology and genetic engineering has accelerated the pace of hybrid production, enabling scientists to manipulate genes and create hybrids with precise characteristics.

## Crop Hybridization:

In crop cultivation, hybrid production involves crossing genetically distinct varieties to create offspring with superior traits. For example, hybrid corn varieties exhibit increased yield potential, uniformity, and resistance to pests and diseases compared to traditional varieties. Similarly, hybrid rice and wheat varieties have revolutionized cereal production, contributing significantly to global food security.

## Livestock Hybridization:

Hybrid production is also prevalent in livestock farming, where selective breeding is used to develop animals with desirable traits such as faster growth, improved meat quality, and disease resistance. Hybrid chicken breeds, for instance, are renowned for their rapid growth and efficiency in meat production, while hybrid dairy cattle exhibit



## Benefits of Hybrid Production:

The adoption of hybrid production offers numerous benefits for farmers, consumers, and the environment.

Increased yields and productivity lead to higher incomes for farmers, reduced food prices for consumers, and enhanced food security for communities. Moreover, hybrid varieties often require fewer inputs such as water, fertilizers, and pesticides, leading to improved resource efficiency and environmental sustainability.

## Challenges and Controversies:

Despite its potential benefits, hybrid production faces several challenges and controversies. Critics raise concerns about the loss of biodiversity, the reliance on genetically modified organisms (GMOs), and the potential negative impacts on small-scale farmers and indigenous communities. Additionally, questions regarding intellectual property rights, seed sovereignty, and ethical considerations surrounding genetic engineering remain contentious issues in the agricultural sector.

## Conclusion:

In conclusion, hybrid production represents a paradigm shift in agriculture, offering unprecedented opportunities to enhance productivity, resilience, and sustainability in food production. By leveraging advances in genetics, biotechnology, and agronomy, we can unlock the full potential of hybrid production to address global food security challenges, mitigate climate change impacts, and promote equitable and sustainable development worldwide. As we embrace hybrid production, it is essential to prioritize ethical considerations, regulatory frameworks, and inclusive decision-making processes that uphold environmental stewardship, social equity, and food sovereignty. Together, let us harness the power of hybrid production to cultivate a brighter, more sustainable future for agriculture and humanity.



## **IRRIGATION TECHNOLOGY IN AGRICULTURE HOW NEW TECHNOLOGIES OVERCOME CHALLENGES**

As the world's population continues to increase at a fast pace, more food and water will be needed to sustain humanity. In the past 50 years, we have tripled our need for water and food, and there are no signs of this trend slowing down. As a result of these conditions, smart, innovative agricultural practices are needed now more than ever. Technology can, and already does, aid agriculture in innumerable ways. One prominent part of agriculture that can use technological innovation to increase efficiency and effectiveness is irrigation.



**WATER MEASUREMENT** The key to a sustainable agriculture looking to the future is in water use, and it is clear that the current standards in place are much too wasteful to rely on. Water metering and measuring technology is at the heart of this issue, but there is not only one method or technology used to measure water flow in irrigation systems. In irrigation systems, water used to irrigate land is carried under pressure to its destination via pipes. Flow occurs in a pipeline when a pressure

**KROHNE's WATERFLUX 3070 Meter**  
Of all the types of water meters listed above, magnetic meters are innovating more than others, and are more completely meeting the requirements for an ideal water meter. One magnetic meter in particular that is Perfect for irrigation applications in agriculture is KROHNE's WATERFLUX 3070 magnetic meter. The WATERFLUX 3070 is a battery powered all-in-one (integrated flow, pressure, and temperature measurements) electromagnetic water meter. Unlike mechanical water meters, the WATERFLUX 3070 is maintenance-free and offers a much larger turn down ratio (1000:1). Its measuring tube with a rectangular and reduced cross-section enables a stable measurement even at low flow rates. Due to the optimized flow profile, the WATERFLUX 3070 can be installed virtually anywhere without straight inlet or outlet runs – behind pipe bends, slide valves or a reduction in the pipe. Even burial installation or use in flooded areas is possible.

**ABIRAMI.R.B  
THIRD YEAR**



# MINICHROMOSOMAL TECHNOLOGY IN AGRICULTURE

Minichromosomes are small structures within cells that contain very little genetic material but can store large quantity of information. By using minichromosomes, agricultural geneticists can add dozens of traits to a plant. These traits can be agronomically beneficial ones like drought-tolerant and improved nitrogen usage. Minichromosomal technology does not alter the genes of plants in any manner, resulting in faster regulatory approval and acceptance by farmers. This technology provides a way to add genes to a synthetic chromosome in a sequential manner. Telomere shortening along with the introduction of site-specific recombination, which is when two molecules of DNA exchange pieces of their genetic material with each other, has proven to be an easy method to produce minichromosomes.

Growing population, accelerating climatic changes resulting in extreme temperature, unpredictable rainfall, degraded soil, resistant pests etc are all contributors to a bad recipe of lowering crop yields. New crop varieties that can withstand these pressures is a necessity. The potential for genetic engineering can be enhanced through technological advancements, for example, plant artificial chromosome technology, allowing for the management of a large number of genes in the next generation of genetic engineering. As a result of tools such as gene assembly, genome editing, gene targeting, and chromosome delivery, it is possible to engineer crops with multiple genes. Through the above advancements in agriculture, both the herbicide resistant genes and the Bt toxin genes can be introduced into crops for effective weed control and insect resistance. As a result, the engineered crop will reduce the application of pesticides that are harmful to humans and the environment.



ASHIKA.J  
IIIRD YEAR



# AGRICULTURE IN INDIA

“Agriculture is the most healthful, most useful and most noble employment of man.....”



- Total geographical area -328 million hectares
- Net area sown -142 million hectares
- Gross cropped area - 190.8 million hectare
- Net irrigation area-56.9 million hectares
- Provides food to more than 1 billion people
- Produces 51 major crops
- Contributes to 1/16th of the export earnings

The 4 main branches of agriculture

- Agronomy
- Animal husbandry
- Agricultural engineering
- Agricultural economics and extension.

## INTRODUCTION

Agriculture is the backbone of Indian economy .Agriculture is the most important occupation for most of the Indian families In India, agriculture contributes about 16% of total GDP & 10% of total exports.

That's reason India secured second position worldwide in terms of farm output. About 75% people are living in rural areas and are still dependent on Agriculture. About 43% of India's geographical area is used for agricultural activity.

## PROVISION OF FOOD GRAINS

Agriculture in India has played an important role in meeting almost the entire food needs of the people. The production of food grains in India has increased from 51 million tones in 1950-51 to 208.3 million tones in 2005-06. This has enabled the country to overcome the problems of food grain shortages. The country almost self sufficient in food grains & no longer depends on import of food grains.

## SOURCE OF EMPLOYMENT

The India, agriculture is the Main Source of Employment Even in 2004-05, More than for of total labour force of India is Engaged as agriculture and depends on it for their livelihood (1950-51:69.5%).It becomes Evident from this fact that other Sectors of the Economy could not generate enough Employment for the growing population.

## SIGNIFICANCE FOR TRADE & TRANSPORT

Various means of transport like roadways & railways get bulk of their business from the movement of agriculture commodities & raw materials.

## CONCLUSION

On over all view, India has always been benefited by AGRICULTURE. Though the future of India is industrialization, the contribution of agriculture would always prove to be vital for making India a powerful& stable economy in the future.

**MAALIKA.E**  
**IIIIRD YEAR**



## பெண்

அன்பு என்னும் வேலியினால் அடைக்கப்பட்டு,  
ஆசையெல்லாம் தன்னுள்ளே அடக்கிக்கொண்டு,  
இன்னல்கள் பல தன் வாழ்வினை தொடர்ந்தாலும்,  
ஈரமுள்ள நெஞ்சாக அத்தனையும் சகித்து,  
உயர எழும்பி நிற்க நினைக்கும் வேளையில்,  
ஊக்கம் தந்து உயர்த்த கோள்கள் இல்லாமல்,  
எட்டி உதைக்கும் களைகள் மத்தியில்,  
ஏணிப்படிகளாய் வாழ்வில் மீண்டும் உயர்ந்து,  
ஐயமின்றி பூமியில் காலூன்றி,  
ஒதுக்கப்பட்ட இடத்திலே தலை நிமிர்ந்து,  
ஓங்கி உயரும் இந்த வீரிய விதைகள்,  
ஒளவுதம் தரும் விருட்சமாய் வளருகின்றன இந்த  
பூமியில்....



Benisha.p  
IIIrd year



# சொல்லாத வலிகள்

இப்போ, "நீ பெரிய மனுஷி" என்றதும்  
எனக்குள் மனக்கிளர்ச்சி  
எண்ணற்ற கேள்விகள்  
எட்டாத கோபங்கள்  
எண்ணாத தாபங்கள்  
ஏற்றுக்கொள்ள முடியாத வலிகள்  
ஏன்? என்று கேட்ட போது.  
அவர்கள் சொன்ன பதில் "நீ பெண்ணல்லவா"



AGALYA.R  
IInd YEAR



# மெளனத்தின் சத்தம் காலத்தின் உரையாடல்

மெளனத்தின் பொழுது காதோரம் கேட்க்கின்ற  
கடிகாரத்தின் ஓசை கூட..  
என்னை சரியாக பார்த்திருந்தால்  
உன்னை நீ விட்டுசென்றிறுக்கமாட்டாய்  
என உரைக்க.....நொடி முள்ளின் ஓசையை மாற்றலாம்..  
ஆனால் என்னை சரியாக பயன்படுத்தாமல் விட்டதை  
மாற்ற முடியாது  
என உரைக்கத் தொடங்கும் தருணம் மெளனம்.....  
மெளனத்தின் சத்தம்



A.Sukirtha  
IInd year



## ஒரு விவசாயின் கடைசி இன்பம்...

உன்னை வளர்க்க...

யாரிடமும் தலைகவிராத நான் முதல்முறை  
தலைக்கவிழ்ந்தேன்....

பெருவிதமாக....

சூரியன் நண்பனாகவும், நீர் உறவினாக மாற காரணம் நீ  
ஆகினாய் ...!

என் முதல் பெண் குழந்தைய பெற்ற இன்பத்தை விட.....

இரண்டு மடங்கு பூரிப்பு அடைய செய்தேன் உன்னை  
பெரும்போது.

இப்போதே அறிந்தேன் ஏன் இவ்வளவு கடினத்தை எனக்கு  
தந்தாய் ஏன்று....

இவ்வளவு இன்பத்தை நான் பெறவா.....



VISHNU PRIYA.V  
IInd year



## POEM

Here's a poem about college life

கல்லூரி வாழ்க்கையில் அழகான நாடு,  
பரிந்துரையின் சந்திரன் அலையும் பலகோணம்.  
படிக்கப் படிக்க நல்ல கட்டாயம்,  
நேர்ந்தெடுக்கும் நண்பர்கள் அனைத்தும் நல்ல  
நிகழ்வுகள்.  
காலையில் நீங்கும் கலந்தால் சிரிக்கும் பல கதைகள்,  
நாளைய நம் நினைவுகள் நாம் கொண்டிருக்கும்  
நிகழ்வுகள்.  
அமுதம் கொண்டிருக்கும் காதல் படைப்பு,  
சேர்ந்த நாட்டின் அமைந்தும் கூடுவார்கள் நானும் நீயும்.  
நம் கல்லூரி வாழ்க்கை எங்கள் நினைவுகள் அழிவதைக்  
காட்டும்,  
பல நாட்கள் நாம் கொண்டிருக்கும் புனிதமான  
அனுபவங்கள்.



E. Vignesh  
IInd year



# AGRICULTURAL ENGINEERING

In fields where innovation grows,  
Agriculture engineering shows  
Its mighty force, its skillful hand,  
Transforming farms across the land  
In fields of green, where dreams take root,  
Agriculture engineers toil, their work astute.  
They plow the land with precision and care,  
Harnessing nature's bounty, beyond compare.  
With machines that hum and tractors that roar,  
They sow the seeds for future's store.  
From irrigation to crop protection schemes,  
They innovate, turning dreams into streams.  
Through irrigation's careful flow,  
And machines that till row by row,  
They optimize each inch of ground,  
Where once mere hands and sweat were found.  
So let's raise a toast to those engineers bold,  
Whose passion and skill turn barren into gold.  
For in the heart of agriculture, they stand tall,  
Crafting a legacy, nourishing us all.



SNEKA..G  
IIIrd YEAR



## POEM

### Be the Best , Be You

Be a Queen, with confident and mean,  
Move freely, wherever you want to be,  
Please don't be a fool,  
There's a lot inside my soul,  
Everybody sees what they wanna see  
It's easier to judge me than to believe,  
Everybody tells me to play nice,  
Everybody judge but looking twice,  
Don't apologize for my behaviour,  
If you're offended, I don't care.  
I will get a royalty high,  
So breathe it in to feel alive.



D. J. Amirna Jessy  
IIInd Year



# POEM

## You and me

Under the moonlight , all in the mood , like you  
should put a ring on it , " I do , I do " vibes .  
Don't get the blue light , we getting nasty I  
found my new ride , here in the backseat love  
so good , I bet he be cashing out I got him  
feeling that rush like he passing out . Couldn't  
handle these curves , so he crashing now Beep ,  
Beep , with the way I can back it out .....



R.T.Dhaniya  
IInd Year



## POEM

### AIM

All my ladies,listen up,  
Have your aim and step up.  
There is no perfect moment,  
Make every moment perfect.  
Work on your aim,  
Cause this isn't a game.  
Working with dignity,  
Cause this is my priority.



N.Shajikha  
IInd Year



## STORY IN MALAYALAM

### ബുദ്ധനും ധനികനായ കൃഷിക്കാരനും

ബുദ്ധനും ധനികനായ കൃഷിക്കാരനും ഒരിക്കൽ ശ്രീ ബുദ്ധൻ ഭിക്ഷക്ക് വേണ്ടി ഒരു ധനികനായ കൃഷിക്കാരന്റെ അടുത്തെത്തി. അയാളു് തന്റെ വയലിൽ നിന്ന് കൊണ്ടുവന്ന ധാന്യം അളന്നു അറയിലേക്ക് ഇടുന്ന സമയം ആയിരുന്നു. ബുദ്ധൻ തന്റെ ഭിക്ഷാപാത്രം അയാളുടെ നേരെ നീട്ടി. എന്നാൽ കൃഷിക്കാരൻ കോപാകുലനായി പറഞ്ഞു : " ഞാനാണ് എന്റെ വയൽ ഉഴുതു വിത്ത് വിതച്ചു വളം ഇട്ടു വിളവെടുത്തത് , നിങ്ങളെപ്പോലെയുള്ളവർ് വെറുതെ പാത്രം നീട്ടിയാൽ തരാൻ വേണ്ടി എന്റെ കയ്യിൽ ഒരു മണി ധാന്യം പോലുമില്ല, കടന്നു പോകൂ. നിങ്ങളും കഴിയുമെങ്കിൽ എന്നെ പ്പോലെ ഉഴുതു വിത്ത് വിതച്ചു വളം ഇട്ടു കൃഷി ചെയ്തു നോക്കൂ, അപ്പോള് അതിന്റെ വിഷമങ്ങളു് അറിയാം".

ബുദ്ധൻ ശാന്തനായി പറഞ്ഞു : മഹാത്മൻ ഞാനും ഒരു വിധത്തിൽ ഒരു കർഷകൻ തന്നെ . ഞാനും ഉഴുന്നുണ്ട് , വിതക്കുന്നുണ്ട് , അതിനു ശേഷമാണ് ഞാനും ഭക്ഷിക്കുന്നത്"

കൃഷിക്കാരൻ: നിങ്ങളു് ഉഴുതു മറിക്കുന്നോ , വിത്ത് വിതക്കുന്നോ , അതിന്റെ ലക്ഷണമൊന്നും ഞാൻ കാണുന്നില്ലല്ലോ .

ബുദ്ധൻ: ക്ഷമിക്കണം ഞാൻ വിശ്വാസം ആണ് വിതയ്ക്കുന്നത്, നല്ല കാര്യങ്ങളു് ആണ് എന്റെ കൃഷിക്ക് മഴയായും വളമായും പരിണമിക്കുന്നത്. ബുദ്ധിയും സത് കർമ്മങ്ങളും ആണ് കലപ്പയുടെ ഭാഗങ്ങളു് , എന്റെ മനസ്സാണ് എന്നെ ഇതൊക്കെ ചെയ്യിക്കുന്നത്, നിയമം ആണ് ഞാൻ പരിരക്ഷിക്കുന്നത് ,ആത്മാർഥതയാണ് എന്റെ മുഖമുദ്ര, അധ്വാന ശീലമാണ് എന്റെ പ്രിയ പുത്രി , അങ്ങനെയാണ് ഞാൻ ജനങ്ങളുടെ തെറ്റിദ്ധാരണകളു് എന്ന കളു കളു് പിഴുതെറിഞ്ഞു , മനുഷ്യരുടെ നിരപാണം ആണ് എന്റെ ഫലം, തല്ലലമായി അവരുടെ എല്ലാ സങ്കടങ്ങളും ഞാൻ ഇല്ലാതാക്കുന്നു





**MANJIMA.M**  
**IIIIRD YEAR**

# ARTS



**PARVATHY C.S**  
**IIIIRD YEAR**

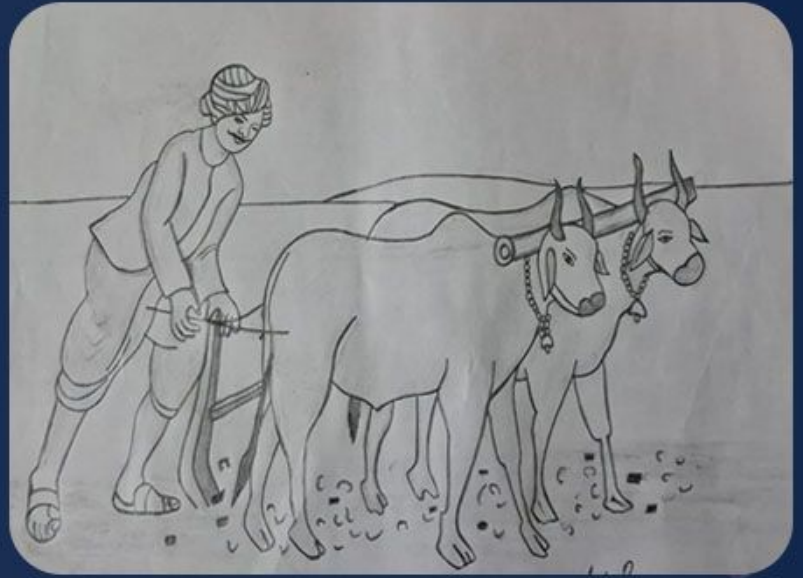


**REENA. N**  
**IIIIRD YEAR**





**ABIRAMI R.B**  
**IIRD YEAR**



**P.MAHALAKASHMI**  
**IIRD YEAR**



**A. TEEPETHI**  
**IIRD YEAR**





**R. AHANA  
IIRD YEAR**



**A. S ASWATHI  
IIRD YEAR**



**S. SIVASANKARI  
IIRD YEAR**





**J. JESHIKA**  
**IIRD YEAR**



**A. SEREEN SABRIYYA**  
**IIRD YEAR**



**P.AMALA ROBINO**  
**IIRD YEAR**



# Achievement



Our student P. Arul Pandi participated in fencing game from his primary school age. he has achieved upto State Level Competition & many open trophy, which is conducted by Tamilnadu government. he has participated in that games & won bronze medal individual category in the year 2017.He has won first prize in open district Chief Minister Trophy sports and games during the period of 2016-2017.He has won first prize in open district Chief Minister Trophy sports and games during the period of 2016-2017 wongold medal and cheque rupees 5000 which is distributed by district collector of Tirunelveli.Our student P. Arul Pandi participated in fencing game from his primary school age. he has achieved upto State Level Competition & many open trophy, which is conducted by Tamilnadu government. he has participated in those games & won bronze medal individual category in the year 2017. Other than that He has won first prize in open district Chief Minister Trophy sports and games during the period of 2016-2017 won gold medal and cheque rupees 5000 which is distributed by district collector of Tirunelveli.And now he is constantly practicing & trying to Achieve big level in his career. Near past, He has participated amature school games Development Association and won gold medal, which is held at Harvard hi tech matric Hr. Sec. School. So we show our student P.Arul Pandi doing good and we wish him achieve great in his career.



# Association Inauguration



Association Inauguration of RAAE (Rohini Association of Agricultural Engineers) was conducted on 7.8.2023. Mr. Ashok Macrin, Former Deputy Director of Horticulture was the Chief. Office Bearers were introduced by Mrs. K. Krishna Veni, Head, Department of Agricultural Engineering. Installation of office bearers was done by Dr. N. NEELA VISHNU, Pro Chairman, Rohini college of Engineering and Technology. Dr. V. M. BLESSY GEO, Managing Director, Rohini college of Engineering and Technology inaugurated the activities of the association RAAE. Report about activities of RAAE for Academic year 2023-2024 was presented by Mr. RAJIV GANDHI Assistant Professor, Department of Agricultural Engineering.



# International conference



International conference on “coconut as an Economic & Ecological security in Indian Coastal management CEESICM 2K23” was conducted on 14th and 15th of September 2023 in collaboration with Finura Agro Tech LLP and Coastal Peace and Development. Foreign Delegate Ms.Delfina C Alouw Executive Director, International Coconut Community, Indonesia was the chief guest. Vice chancellors from different universities imparted their expertise. The keynote speech was delivered by resource persons. Scientific sessions were conducted and the research scholars, students presented their ideas. The conference was a wonderful platform for the researchers and students. Nearly 60 students from our department participated in the conference.



# SPECTRA



**SPECTRA( Intra departmental Technical and cultural Carnival) was organized by our department on 21/10/2023. This event is being conducted every year to showcase student's creativity and skills. Mr. T. C. Kannan Retired Additional Director of Horticulture was the chief guest. He shared his knowledge and experience to the students, Both Technical and non Technical events were conducted**



# WORKSHOP



**One Day Workshop was conducted on "The Tissue culture  
' It was conducted by THird year students collaboration with Finura Agro  
Tech located at thovalai. Workshop was conducted on 18/10/2023. The  
students gained knowledge in culture media preparation for the Tissue  
plants, Primary and secondary hardening of this plants.**



## FISH AMINO ACID



## PANCHAKAVYA PREPARATION



## EM /4 SOLUTON MAKING



As per planned of conducting workshop to the 2nd year Agricultural Engineering students , which is conducted in the Rohini college of engineering and technology on 02/12/2023

“Workshop on Natural Organic and bio-fertilizer “ by Assisitant professor Mr. Venkateshan .P According to order of the college principal , proper practical training has been conducted for the students . During this workshop , the students learned the importance and enjoyed practicing and making panchagavya , fish amino acid ,EM S olution , vermicompost during the practical training workshop... We glad tell you that successfully it is well prepared packed well and ready to sale



# Industrial visit



III rd year Agricultural Engineering students visited CRM sons grapes garden on 15/10/2023. Students gained knowledge about the advancements in the cultivation of grafted Brinjal, Automatic irrigation system in the farm, Precision farming in Poly house under cultivation of Cucumber and Snake gourd . Students gained knowledge regarding grapes cultivation amidst dry climate. It was a marvelous experience for the students



# Industrial visit



II Year B.Tech Agricultural Engineering Department students went for Industrial visit to Kerala Agricultural university (KAU) in Kochin on 24/11/23



# IV Daries (Hossur, Mysore)





# Field Activity





“LEARN TODAY FOR A BETTER TOMORROW”



**ROHINI**



**COLLEGE OF ENGINEERING AND TECHNOLOGY**

Approved by AICTE and affiliated to Anna university (An ISO certified Institution)

Accredited by NAAC with A+

(AUTONOMOUS)