



**K. RAMAKRISHNAN
COLLEGE OF ENGINEERING**

(Autonomous) | Approved by AICTE | Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' Grade | NBA Accredited Departments



DEPARTMENT OF **MECHANICAL ENGINEERING**

Frontier

• PERSISTENCE TOWARDS PASSION •



Vol. II Issue 5



Newsletter 2023-24

K. RAMAKRISHNAN
COLLEGE
OF
ENGINEERING

KR
K R C E



QUALITY
EDUCATION



RESEARCH &
INNOVATION



INDUSTRY
COLLABORATION



STUDENT
EXCELLENCE



Together We Engineer The Future





DEPARTMENT OF MECHANICAL FRONTIER

Persistence towards Passion



K.RAMAKRISHNAN
COLLEGE OF ENGINEERING

Vol. II Issue 5

Newsletter 2023-24

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IV Year
B.E. Mechanical Engineering

Mr. G. Sivasakthivelan

III Year
B.E. Mechanical Engineering

“

A newsletter is a reflection of the department's achievements, innovations, and aspirations. Through this publication, we celebrate academic excellence, research contributions, student accomplishments, and the collective efforts of our Mechanical Engineering family.

”

DEPARTMENT OF MECHANICAL ENGINEERING

Frontier – Persistence Towards Passion

LEADERSHIP MESSAGES



CHAIRMAN MESSAGE

The Department of Mechanical Engineering at K. Ramakrishnan College of Engineering is dedicated to shaping innovative and skilled engineers through quality education, practical exposure, and research excellence. The department strives to empower students with technical knowledge, professional ethics, and leadership skills to meet global industrial challenges and contribute effectively to society.



Dr. K. RAMAKRISHNAN
CHAIRMAN – KR Group



EXECUTIVE DIRECTOR'S MESSAGE

The Department of Mechanical Engineering at K. Ramakrishnan College of Engineering is committed to academic excellence, innovation, and industry-oriented learning. With advanced laboratories, experienced faculty, and a strong research culture, the department prepares students to become competent mechanical engineers with technical expertise, ethical values, and leadership skills to excel in their careers and serve society.



Dr. S. KUPPUSAMY
EXECUTIVE DIRECTOR –
KR Group

★ LEADERSHIP MESSAGES ★



PRINCIPAL'S MESSAGE

The Department of Mechanical Engineering at K. Ramakrishnan College of Engineering plays a vital role in shaping technically proficient and innovative engineers. The department focuses on delivering quality education through modern laboratories, experienced faculty, and research-driven learning. It strives to equip students with technical knowledge, practical skills, and ethical values to meet industrial challenges contribute meaningfully to society.



Dr. D. SRINIVASAN
PRINCIPAL - KRCE



Dr. H. RAMAKRISHNAN
HoD / MECHANICAL

HOD'S MESSAGE



Welcome to the Department of Mechanical Engineering. Our mission is to bridge the gap between academic excellence and industrial requirement. Through our state-of-the-art laboratories and robust industry partnerships, we ensure our students gain the technical proficiency and practical experience necessary for a successful career. We take pride in our commitment to developing disciplined, competent, and ethical professionals who contribute meaningfully to the engineering community and society at large.



QUALITY
EDUCATION



RESEARCH &
INNOVATION



INDUSTRY
COLLABORATION



STUDENT
EXCELLENCE

ABOUT THE INSTITUTION

K. Ramakrishnan College of Engineering (KRCE) is a private autonomous engineering institution established in 2008 near Samayapuram, Tiruchirappalli, affiliated with Anna University and approved by AICTE, with NAAC “A” grade accreditation and NBA accreditation for selected departments; the college offers undergraduate and postgraduate programs including CSE, AI & Data Science, IT, ECE, EEE, Mechanical Engineering, MBA, and M.E., and is known for its decent infrastructure, hostel facilities, digital library, placement training, technical clubs, and industry-oriented activities on its roughly 30-acre campus. KRCE is generally considered a mid-tier but improving engineering college in Tamil Nadu, particularly stronger in CSE/IT-related placements compared to core branches, with recruiters mainly from IT and service companies, while maintaining a comparatively strict academic and attendance system; the institution also promotes research through faculty publications and patents and is viewed as a reasonable option for students seeking affordable engineering education with good placement support in the Trichy region.

VISION & MISSION OF THE COLLEGE

VISION

- ❖ To achieve a prominent position among the top technical institutions

MISSION

- ❖ To bestow standard technical education par excellence through state of the art infrastructure, competent faculty and high ethical standards.
- ❖ To nurture research and entrepreneurship skills among the students in cutting edge technologies.
- ❖ To provide education that can be used as a tool to transform the students.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in 2008 and currently offers undergraduate and postgraduate programs, namely B.E. Mechanical Engineering and M.E. Engineering Design. The department has an intake of 180 students for UG and 24 students for PG. It is an NBA-accredited department and has been recognized as an Anna University approved research centre with Ph.D. supervisors for both full- time and part-time research scholars. The department achieved NAAC “A” grade accreditation and holds autonomous status from the academic year 2020–2021 onwards. It is also recognized under UGC 2F & 12B status and certified with ISO 9001:2015 and ISO 14000 standards. The department is equipped with ten well-established laboratories along with a state-of-the-art Material Testing Laboratory. It also has advanced facilities such as Turnitin plagiarism detection software and an SAE garage for automotive innovation and student competitions. The faculty members are highly experienced, with an average experience of 8.9 years, and many hold doctoral degrees with strong research publications in reputed journals. The department promotes active student involvement in SAE activities such as BAJA, Auto Sports, Mega ATV, QBDC, SUVC, E-CART, Go-KART, and EFFI-CYCLE competitions. The department focuses on producing competent, ethical, and employable mechanical engineers with strong technical, professional, and soft skills. It aims to prepare graduates who can contribute effectively to industry and society through innovation and engineering excellence.

VISION

- ❖ To provide eminent mechanical engineers to the industries and society through quality education.

MISSION

- ❖ To impart quality professional education through state-of-the-art infrastructures.
- ❖ To motivate students and faculty to undertake research and development activities in the thrust areas of mechanical engineering.
- ❖ To carry out collaborative projects with industries and academics.

PROGRAM EDUCATIONAL OBJECTIVES

The PEOs of the programme are

PEO 1: Have a successful career in industry or opt for higher studies/research.

PEO 2: Analyze, synthesize and design mechanical & allied products addressing societal issues.

PEO 3: Exhibit technical expertise, communication skills and teamwork with Professionalism and ethical values.

PROGRAM SPECIFIC OUTCOMES

PSO1: Identify, formulate and solve engineering problems in three core streams of Mechanical Engineering, i.e., design engineering, thermal and fluids engineering and manufacturing engineering.

PSO2: Design, develop, test and implement energy efficient systems for required engineering applications.

FACULTY ACHIEVEMENTS:

JOURNAL PUBLICATIONS:

- ❖ R. Venkatesh P. Sakthivel G. Selvakumar A. Mohana Krishnan P. Purushothaman •C. B. Priya“mechanical and thermal properties of a waste fly ash-bonded al-10 mg alloy composite improved by bio ceramic silicon nanoparticles” 11th July 2023 Biomass Conversion and Bio refinery
- ❖ Faisal M. H a, A. Mohana Krishnan b, S. Prabakaran c, R. Venkatesh d, D. Satish Kumar d, J. Christysudha e, A.H. Seikh f, A. Iqbal g, ElangomathavanRamaraj h, * optimization and prediction of cbn tool life sustainability during aa1100 cnc turning by response surface methodology” 28th July 2023 –Heliyon
- ❖ Purushothaman Paneerselvam, Mebin Samuel Panithasan,

Gnanamoorthi Venkatesan, Manimaran Malairajan, "Optimization of common rail direct injection diesel engine performance with Melia dubia methyl ester peppermint oil blend using response surface methodology approach and investigation of hydrogen and hydroxy influence", International Journal of Hydrogen Energy, Pergamon, Vol. 50, P.no 796-819, 2023.

- ❖ Venkatesh R, Ramakrishnan H, Karthigairajan M, Subramaniam P, Priya C B, Melvin Victor D, Ismail H, Asiful Hossain S & Md Abul Kalam, 'Effect of steam gasification parameters on hydrogen extraction from indirect land use change crops, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. (2023). <https://doi.org/10.1080/15567036.2023.227266>. SCI (Q2).
- ❖ Karthik Pandiyan G, T Prabakaran and Jafrey Daniel James D. Optimization of Machining Process Parameters to Calculate Surface Finish, Metal Removal Rate, and Cutting Force on AA6061-T6 Alloy. Functional Composite Materials: Manufacturing Technology and Experimental Application. Bentham Science Publishers. Accepted for publication.
- ❖ Palanisamy, C., Parvathikumar, G., Gnanasekaran, S., Chelladurai, S. J. S., Sivananthan, S., Adhavan, B. & Tibebu, S. (2023). Study on the Behavior of Self-Cleaning Impregnated Photocatalyst (TiO₂) with Cement Mortar. Advances in Materials Science and Engineering, 2023(1), 3571526.
- ❖ Venkatesh, R., Sakthivel, P., Selvakumar, G., Mohana Krishnan, A., Purushothaman, P., & Priya, C. B. (2023). *Mechanical and thermal properties of a waste fly ash-bonded Al-10Mg alloy composite improved*

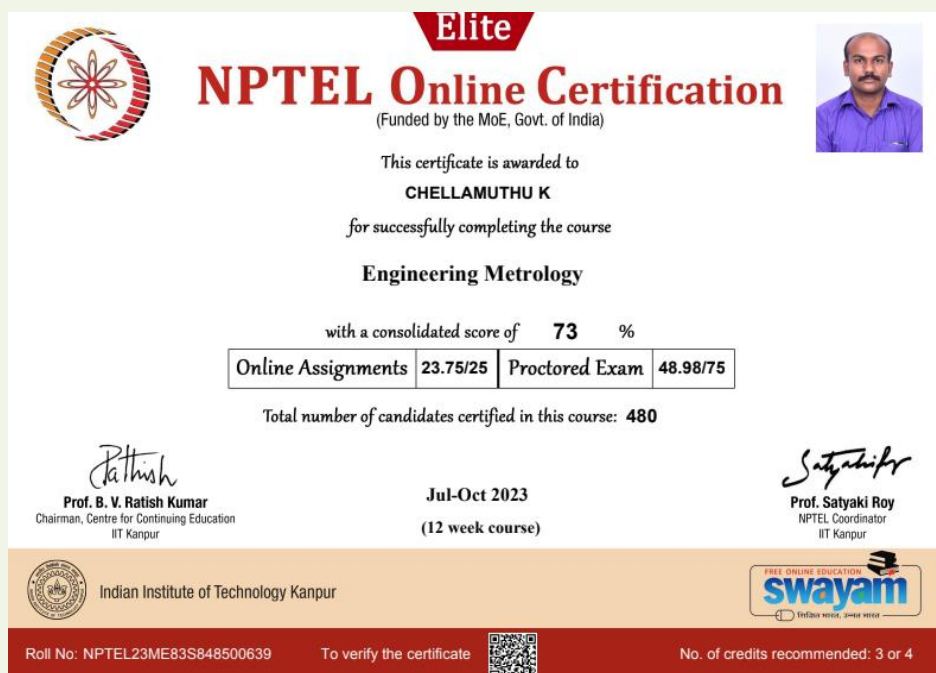
by bio ceramic silicon nanoparticles. **Biomass Conversion and Biorefinery.**

- ❖ Faisal, M. H., Mohana Krishnan, A., Prabakaran, S., Venkatesh, R., Satish Kumar, D., Christysudha, J., Seikh, A. H., Iqbal, A., & Ramaraj, E. (2023). Optimization and prediction of CBN tool life sustainability during AA1100 CNC turning by response surface methodology. *Heliyon*, 9, e18571. <https://doi.org/10.1016/j.heliyon.2023.e18571>
- ❖ Jayasathyakawin, S., Ravichandran, M., Ismail, S. O., & Veerappan, G. (2023). Effects of ZnO addition on the microstructure/corrosion, wear and mechanical properties of sintered Mg-Al matrix composites. *Journal of Alloys and Compounds*, 958, 170500. <https://doi.org/10.1016/j.jallcom.2023.170500>
- ❖ Naveenkumar, R., Ravichandran, M., Harish, R., Ruskin, J. J., Pozhingiyan, N., & Kolanjinathan, A. (2023). *Comprehensive review on ideas, designs and current techniques in solar dryer for food applications. Environmental Science and Pollution Research*, 30(41), 93435–93461. <https://doi.org/10.1007/s11356-023-28951-6>
- ❖ Jayasathyakawin, S., Ravichandran, M., Ismail, S. O., & Srinivasan, D. (2023). *Effects of hydroxyapatite addition on the microstructure and mechanical properties of sintered magnesium matrix composites. Materials Today Communications*, 35, 105582. <https://doi.org/10.1016/j.mtcomm.2023.105582>
- ❖ Gopikrishnan, C., & Ravichandran, M. (2023). Investigations on mechanical and wear properties of molybdenum trioxide-reinforced aluminum alloy (AA7075) matrix composites produced via stir casting process. *Arabian Journal for Science and Engineering*, 48(3), 3021–3040. <https://doi.org/10.1007/s13369-022-07230-1>

- ❖ Veerappan, G., Ravichandran, M., Mohanavel, V., Pritima, D., & Rajesh, S. (2023). Effect of copper on mechanical properties and corrosion behavior of powder metallurgy processed Ni-Co-Cr-Fe-Mn-Cu_x high entropy alloy. *Arabian Journal for Science and Engineering*, 48(3), 2905–2915. <https://doi.org/10.1007/s13369-022-07248-5>
- ❖ Priya, A., Anusha, G., Thanigaivel, S., Karthick, A., Mohanavel, V., et al. (2023). Removing microplastics from wastewater using leading-edge treatment technologies: A solution to microplastic pollution—a review. *Bioprocess and Biosystems Engineering*, 46(3), 309–321. <https://doi.org/10.1007/s00449-022-02892-0>
- ❖ Jayasathyakawin, S., & Ravichandran, M. (2023). Fabrication and wear behaviour of Mg-3 wt.% Al-x wt.% SiC composites. *Heliyon*, 9(2), e13364. <https://doi.org/10.1016/j.heliyon.2023.e13364>

NPTEL COURSE BY FACULTY

- ❖ K. Chellamuthu successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Engineering Metrology” during Jul–Oct 2023 (12-week course) with 73% (Elite).
- ❖ H. Ramakrishnan successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Guwahati) course “Automation in Manufacturing” during Jul–Oct 2023 (12-week course) with 68% (Elite).
- ❖ K. Chellamuthu successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Introduction to Composites” during Jul–Oct 2023 (12-week course) with 71% (Elite).



- ❖ Jafrey Daniel James D successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Engineering Metrology” during Jul–Oct 2023 (12-week course) with 63% (Elite).
- ❖ N. Karthikeyan successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Introduction to Composites” during Jul–Oct 2023 (12-week course) with 62% (Elite).
- ❖ M. Manimaran successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Guwahati) course “Fundamentals of Convective Heat Transfer” during Jul–Oct 2023 (12-week course) with 50% (Successfully Completed).
- ❖ S. Rajaram successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Engineering Metrology” during Jul–Oct 2023 (12-week course) with 70% (Elite).

- ❖ P. C. Santhosh Kumar successfully completed the NPTEL Online Certification (Funded by the Ministry of Education, Govt. of India – IIT Kanpur) course “Introduction to Composites” during Jul–Oct 2023 (12-week course) with 66% (Elite).



FDP/WORKSHOP/SEMINAR/CONFERENCE

- ❖ Dr. K. Lenin, Mr. Manimaran. M and Mr. S. Raghuvaran participated in the scheme of SPARC sponsored Workshop on “Advanced Materials for Thermal Energy Applications”, NIT-Trichy from 11th to 15th December 2023.
- ❖ N. Karthikeyan attended the Five-Day Faculty Development Program (FDP) on “Composite Additive Manufacturing” conducted from 18.12.2023 to 22.12.2023 at National Institute of Technology Tiruchirappalli.
- ❖ H. Ramakrishnan attended the Faculty Development Program (FDP) on “Smart Manufacturing” conducted at SRM Institute of Science and Technology from 18.12.2023 to 23.12.2023.

- ❖ Mr. S. Raghuvaran completed the AICTE Online UHV-II FDP conducted by All India Council for Technical Education for 6 days from 16.10.2023 to 21.10.2023.
- ❖ Mr. S. Raghuvaran attended the FDP on “Advanced Materials for Thermal Energy Applications” conducted at National Institute of Technology Tiruchirappalli for 5 days from 11.12.2023 to 15.12.2023.
- ❖ H. Ramakrishnan attended the Faculty Development Program (FDP) on “Additive Manufacturing Advancements in Different Applications” conducted at SRM Institute of Science and Technology from 26.12.2023 to 31.12.2023.
- ❖ Dr. D. Jafrey Daniel James actively participated in the 6-Day Faculty Development Programme on "Futuristic Research in Mechanical Engineering" conducted by SRM Institute of Science and Technology from 08.08.2023 to 13.08.2023.
- ❖ Dr. D. Jafrey Daniel James participated in the 5-Day FDP on "Advanced Modelling and Simulations for Engineers" conducted by NIT Puducherry from 18.12.2023 to 22.12.2023.
- ❖ Mr. Manimaran. M participated in the scheme of SPARC sponsored Workshop on “Advanced Materials for Thermal Energy Applications”, NIT-Trichy from 11 th to 15 th December 2023.

EVENTS ORGANIZED

- ❖ Dr. K. Lenin organized the UPSC & TNPSC Awareness Program for 1 day on 12.09.2023 at K. Ramakrishnan College of Engineering, with Mr. N. R. Vijayalayan, Director, NR IAS Academy, Trichy as the resource person.

- ❖ Dr. K. Lenin organized the Aadhaar Updation Camp conducted for 6 days from 16.10.2023 to 20.10.2023 & 26.10.2023 at K. Ramakrishnan College of Engineering, in association with the Indian Postal Department, Srirangam Branch.
- ❖ Dr. K. Lenin organized the Anti-Corruption Awareness Program held for 1 day on 03.11.2023 at K. Ramakrishnan College of Engineering, with Dr. M. V. Ajay Thangam, DSP, Trichy City as the chief guest.

FACULTY CONTRIBUTIONS AS RESOURCE PERSONS

- ❖ The Department appreciates **Dr. D. Jafrey Daniel James** for delivering a resource session on **“Development of Polymer Gears and its Applications”** at **SRM Institute of Science and Technology, Chennai**, on **30 November 2023**. His talk emphasized innovative developments and industrial applications of polymer gears.



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Samayapuram, Tiruchirappalli – 621 112, Tamil Nadu, India.



DEPARTMENT OF MECHANICAL ENGINEERING



Hearty Congratulations

to our esteemed faculty member

Dr. D. Jafrey Daniel James

for delivering a resource session on
“Development of Polymer Gears and its Applications”
at SRM Institute of Science and Technology,
Chennai, on 30 November 2023.

His talk emphasized innovative developments and
industrial applications of polymer gears.

GUEST LECTURE





We appreciate his valuable contribution to academic excellence!



- ❖ The Department appreciates **Dr. K. Lenin** for delivering an invited lecture on “**Manufacturing Processes**” at **Meenakshi Ramaswamy Engineering College, Ariyalur**, on **21 November 2023**. His insights helped participants gain a deeper understanding of modern manufacturing techniques.

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DEPARTMENT OF MECHANICAL ENGINEERING

Hearty Congratulations
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for delivering an invited lecture on
“Manufacturing Processes”
at Meenakshi Ramaswamy Engineering College,
Ariyalur,
on **21 November 2023**.

His insights helped participants gain a deeper understanding of modern manufacturing techniques.

RESOURCE PERSON

We appreciate his valuable contribution to academic excellence!

PLACEMENT DETAILS

Heartiest congratulations to **Edwin Santhosh J, Hariharan R, and Sam Joshua D** from the Department of Mechanical Engineering at K. Ramakrishnan College of Engineering for their successful placement at **Acoustics!** Securing a placement with an attractive package of ₹2,45,352 per annum is a brilliant milestone that reflects your hard work and technical dedication during the 2023–2024 academic year. The entire institution is incredibly proud of your achievement, and we wish you all a highly successful, prosperous, and rewarding engineering career ahead!



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Samayapuram, Tiruchirappalli – 621 112, Tamil Nadu, India.



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR
2023 – 2024

Heartily Congratulates
the following students for being successfully placed in



Edwin Santhosh J
MECHANICAL ENGINEERING
ACOUSTICS



Hariharan R
MECHANICAL ENGINEERING
ACOUSTICS



Sam Joshua D
MECHANICAL ENGINEERING
ACOUSTICS

WITH AN ATTRACTIVE PACKAGE OF **₹ 2,45,352** PER ANNUM



We wish them a successful and prosperous career ahead!



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Samayapuram, Tiruchirappalli – 621 112, Tamil Nadu, India.



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR
2023 – 2024

Heartily Congratulations
the following students for being successfully placed in



WITH AN ATTRACTIVE PACKAGE OF **₹ 5,20,000** PER ANNUM



Arvindh G
MECHANICAL ENGINEERING



Tharun S
MECHANICAL ENGINEERING



We wish them a successful and prosperous career ahead!





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COLLEGE OF ENGINEERING**
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DEPARTMENT OF MECHANICAL ENGINEERING

**ACADEMIC YEAR
2023 – 2024**

Heartily Congratulations
the following students for being successfully placed in

**Delphi - TVS
Technologies**



WITH AN ATTRACTIVE PACKAGE OF

₹ 2,34,744
PER ANNUM

 Jaanagi R P MECHANICAL ENGINEERING	 Karthi M MECHANICAL ENGINEERING	 Rahul R MECHANICAL ENGINEERING	 Aswin Gokul R MECHANICAL ENGINEERING	 Bharath G MECHANICAL ENGINEERING	 Mohanaj M MECHANICAL ENGINEERING
 Nandhagobalan G MECHANICAL ENGINEERING	 Nishanth R MECHANICAL ENGINEERING	 Prasanna S MECHANICAL ENGINEERING	 Prem Nivas B MECHANICAL ENGINEERING	 Ramesh R MECHANICAL ENGINEERING	 Sakthivel K MECHANICAL ENGINEERING
 Vignesh R MECHANICAL ENGINEERING					



We wish them a successful and prosperous career ahead!



The Department of Mechanical Engineering proudly congratulates the students of the 2023–2024 batch for securing placements at **Delphi-TVS Technologies** with an attractive annual package of **₹2,34,744**. This achievement is a reflection of their hard work, determination, and technical competence. The department appreciates the continuous support of the faculty members, mentors, and parents in guiding the students toward success. We wish all the placed students a rewarding professional journey and continued excellence in their future endeavors. **Your success is our pride and inspiration.**

PATENT PUBLICATIONS:

- ❖ Harsath, S., Raghuvaran, S., & Ramakrishnan, H. (2024). Semi-Automated Coconut Husk Peeler Machine (South African Patent Application No. 2023/06471).
- ❖ Dr. D. Srinivasan, P. Ragul, K. Kaarthick, H. Ramakrishnan, and A. Albert Francis are the inventors of the Patent “A Tree Climbing System for

Coconut Harvesting”, registered under Application No. 202241059719,

- ❖ Ragul, P., Pushparaj, P., & Kaarthick, K. (2023). An Automatic Wall Cleaning System with Advanced Features (German Patent Application No. 20 2023 103 462.4). Granted July 4, 2023.
- ❖ Sabreshwar, S., Raveendhran, M., & Prakash, B. (2024). Virtual Reality Based Drone Driven Painting and Inspection System (South African Patent Application No. 2023/06476).

NPTEL COURSE”

- ❖ Congratulations to Mr. Hariharan R for securing the Elite certification in the NPTEL course "Advanced Machining Processes" (12 Weeks) on 28 October 2023.
- ❖ Congratulations to Ms. Deva R for earning the Elite certification in the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Ms. Jaanagi R. P. for earning the Elite certification in the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Mugundhan for successfully completing the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Karthikeyan B for successfully completing the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Panneer Selvam S for earning the Elite certification in the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.

- ❖ Congratulations to Mr. Abdulla J for successfully completing the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Durgaraman S for earning the Elite certification in the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Kavim Joel Theodore A for successfully completing the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Kowshik A for successfully completing the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Prasanna S for earning the Elite certification in the NPTEL course "Engineering Metrology" (12 Weeks) on 29 October 2023.
- ❖ Congratulations to Mr. Ameerkhan A for successfully completing the NPTEL course "Laser Based Manufacturing" (12 Weeks) on 29 October 2023.

UDYAM REGISTRATION

Heartiest congratulations to student entrepreneur Mr. Harsath and faculty mentor S. Raghuvaram on the successful MSME registration of Mehta Farm Products! Operating out of the Incubation Center at K. Ramakrishnan College of Engineering, receiving the official Udyam Registration Certificate from the Government of India is a remarkable milestone. This achievement highlights your dedication to engineering innovation in the manufacturing of agricultural machinery. The entire college community is incredibly proud of this student-

faculty synergy, and we wish Mehta Farm Products tremendous growth, impactful success, and a highly prosperous business journey ahead!

 भारत सरकार Government of India सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Ministry of Micro, Small and Medium Enterprises		 MSME सूक्ष्म, लघु एवं मध्यम उद्यम MICRO, SMALL & MEDIUM ENTERPRISES																					
UDYAM REGISTRATION CERTIFICATE																							
UDYAM REGISTRATION NUMBER		UDYAM-TN-27-0061595																					
NAME OF ENTERPRISE		MEHTA FARM PRODUCTS																					
TYPE OF ENTERPRISE *		<table border="1"> <thead> <tr> <th>SNo.</th> <th>Classification Year</th> <th>Enterprise Type</th> <th>Classification Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2023-24</td> <td>Micro</td> <td>01/08/2023</td> </tr> </tbody> </table>		SNo.	Classification Year	Enterprise Type	Classification Date	1	2023-24	Micro	01/08/2023												
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SOCIAL CATEGORY OF ENTREPRENEUR		OBC																					
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* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.



The Department of Mechanical Engineering proudly congratulates **Mr. H. Sarveshwaran** and **Ms. Sharon Christa R.** for securing the **First Prize** in the **Project Expo** conducted at **CARE College of Engineering, Tiruchirappalli**. Their outstanding achievement reflects their innovation, technical excellence, and dedication to engineering research and development. The department appreciates their hard work and commitment, which have brought pride and recognition to the institution. We wish them continued success in all their future academic and professional endeavors.

Keep innovating and inspiring!



The Department of Mechanical Engineering proudly participated in the **Formula Kart Design Challenge (FKDC) 2023**, a prestigious national-level competition that showcased students' innovation and engineering skills. The team demonstrated exceptional dedication, teamwork, and technical expertise in designing, fabricating, and testing a competitive formula kart. Through this experience, students gained valuable hands-on knowledge in automotive engineering, project management, and problem-solving. The event provided excellent exposure to industry practices and real-world applications of classroom concepts. The department appreciates the efforts of the students, faculty mentors, and supporting staff for bringing pride to the institution.