



**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 3



Newsletter 2022-23



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 3

Newsletter 2022-23

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IV Year
B.E. Mechanical Engineering

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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



DEPARTMENT OF MECHANICAL FRONTIER

— • Persistence towards Passion • —

KR
K. RAMAKRISHNAN
COLLEGE OF ENGINEERING

Vol. II Issue 3

Newsletter 2022-23

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 and emerge as successful professionals who contribute meaningfully to society.



Dr. D. SRINIVASAN
PRINCIPAL - KRCE



Mr. 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.



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:

- ❖ S. Marimuthu a, P. Lakshmanan b, K. Raju c, A. Mohana Krishnan d, R. Venkatesh e, M. Dineshkumar, "PERFORMANCE STUDY ON GLAZZED SOLAR AIR HEATER FOR AGRI PRODUCTS" 12 July 2022 Material Proceedings <https://doi.org/10.1016/j.matpr.2022.06.530>.
- ❖ Jafrey Daniel James D., Ramesh, M., Ranjithkumar, M., & Chandran, M. (2022). Optimization of machining parameters of aluminium metal matrix composites using Taguchi based desirability function analysis. Materials Today: Proceedings. DOI: 10.1016/j.matpr.2022.07.206
- ❖ Ramesh, M., Jafrey Daniel James, D., Vijayan, V., Raja Narayanan, S., & Teklemariam, A. (2022). Synthesis and Characterization of Banana and

Pineapple Reinforced Hybrid Polymer Composite for Reducing Environmental Pollution. Bioinorganic Chemistry and Applications, 2022. DOI: 10.1155/2022/6344179

- ❖ Srinivasan, D., Ganesh, N., Ramakrishnan, H., Jafrey Daniel James D, Balasundaram, R., Sanjeevi, R., & Chandran, M. (2022). Investigation of surface roughness and material removal rate of WEDM of SS304 using ANOVA and regression models. Surface Topography: Metrology and Properties, 10(2), 025014.
- ❖ Albert, F. A., Jafrey, D. J. D., Karthik Pandiyan, G., John, I. W., Hariharan, S., Guna, A., ... & Mohanraj, C. (2022). Tribological Studies and Optimization of Two-Body Abrasive Wear of NaOH-Treated Vachellia Farnesiana Fiber by Additive Ratio Assessment Method. Journal of Materials Engineering and Performance, 1-9.
- ❖ Ganesan, K. P., Jafrey Daniel James D., Sivalingham, V., Duraipalam, A., Seenivasan, G., Perumal, G. K., ... & Chandran, M. (2022). Machinability analysis and optimisation of EDM in AA6082/3 wt% BN/1 wt% MoS₂ hybrid composites using entropy method weights integrated with complex proportional assessment (COPRAS) method. The International Journal of Advanced Manufacturing Technology, 123(11), 4051-4064.
- ❖ Mohanavel, V., Kumar, K. R., Sathish, T., Velmurugan, P., Karthick, A., et al. (2022). [Retracted] Investigation on inorganic salts K₂TiF₆ and KBF₄ to develop nanoparticles based TiB₂ reinforcement aluminium composites. Bioinorganic Chemistry and Applications, 2022(1), 8559402.
- ❖ Meignanamoorthy, M., Mohanavel, V., Velmurugan, P., Ravichandran, M., et al. (2022). Effect of nanoaluminium nitride ceramic particles on microstructure, mechanical wear, and machining behavior of Al-Si-Mg

alloy matrix composites produced by bottom pouring type casting. Journal of Nanomaterials, 2022(1), 5013914.

- ❖ Rajaparthiban, J., Aswin, M., Abinaya, A., Mohanavel, V., Kumar, S. S., et al. (2022). Parametric analysis and simulation of surface roughness and tool flank wear in machining of low carbon alloy steel. Materials Today: Proceedings, 59, 1457–1462.
- ❖ Elango, K. S., Prabu, B., Sathish, S., Karthick, A., Sampathkumar, V., Kumar, S., et al. (2022). Mechanical and durability studies on Ficus exasperata leaf ash concrete. Advances in Civil Engineering, 2022(1), 4038344.
- ❖ Sureshkumar, P., Jagadeesha, T., Natrayan, L., Ravichandran, M., Veeman, D., et al. (2022). Electrochemical corrosion and tribological behaviour of AA6063/Si₃N₄/Cu(NO₃)₂ composite processed using single-pass ECAPA route with 120 die angle. Journal of Materials Research and Technology, 16, 715–733.
- ❖ Rangaraj, R., Sathish, S., Mansadevi, T. L. D., Supriya, R., Surakasi, R., et al. (2022). Investigation of weight fraction and alkaline treatment on Catechu linnaeus/Hibiscus cannabinus/Sansevieria ehrenbergii plant fibers-reinforced epoxy hybrid composites. Advances in Materials Science and Engineering, 2022(1), 4940531.
- ❖ Rajkumar, S., Arul, K., Mageshkumar, K., Maridurai, T., Subbiah, R., et al. (2022). Physical and mechanical properties of AA2219/BN composites. Materials Today: Proceedings, 59, 1429–1433.
- ❖ Maridurai, T., Madhesh, D., Rajkumar, S., Arul, K., Subbiah, R., & Ravichandran, M. (2022). Influence of heat storage materials in a concentrated solar absorber for space heating. Materials Today: Proceedings, 59, 1425–1428.

- ❖ Rajkumar, S., Maridurai, T., Mageshkumar, K., Ravichandran, M., et al. (2022). Experimental investigations on properties of MoS₂ and TiB₂ reinforced aluminium composites. *Materials Today: Proceedings*, 59, 1301–1304.
- ❖ Raja, T., Mohanavel, V., Kumar, S. S., Rajkumar, S., Ravichandran, M., et al. (2022). Evaluation of mechanical properties on kenaf fiber reinforced granite nano filler particulates hybrid polymer composite. *Materials Today: Proceedings*, 59, 1345–1348.
- ❖ Hameed, A. Z., Kashif, M. H., Al-Mahi, Y. A. M., Al-Oufi, S. A., & Lenin, K. (2022). Opportunities and Challenges for Society 5.0 in Supply Chain Management. *Blockchain Technology in Supply Chain Management for Society 5.0*, 113-125. <https://doi.org/10.1007/s12633-023-02473-9>, SCIE, Q2.
- ❖ Sathish, T., Natrayan, L., Prasad Jones Christydass, S., Sivananthan, S., Kamalakannan, R., Vijayan, V., & Paramasivam, P. (2022). Experimental Investigation on Tribological Behaviour of AA6066: HSS-Cu Hybrid Composite in Dry Sliding Condition. *Advances in Materials Science and Engineering*, 2022.

FDP/WORKSHOP/SEMINAR/CONFERENCE

- ❖ Mr. S. Raghuvaran participated in the DST–SERB sponsored FDP on “Additive Manufacturing: A Technology for Rapid Customization” conducted at CSIR-Central Electrochemical Research Institute for 2 days from 20.09.2022 to 21.09.2022.
- ❖ Mr. S. Raghuvaran attended the National Intellectual Property Awareness Mission (IP Awareness Program) organized by Intellectual Property Office India at K. Ramakrishnan College of Engineering on 08.09.2022.

- ❖ Dr. Jafrey Daniel James attended the FDP on “Advanced Material Processing and Characterization Techniques” conducted for 5 days from 26.12.2022 to 30.12.2022 at National Institute of Technology Puducherry.
- ❖ Mr. Manimaran. M “Online FDTP on Advancements in Thermal and Renewable Energy Technologies, Lakireddy Balireddy College of Engineering from 04.07.2022 to 09.07.2022.
- ❖ Mr. Manimaran. M “Online FDTP on MATLAB and Simulink for Beginners, NITTTR, Chandigarh from 19.09.2022 to 23.09.2022
- ❖ Mr. N. Karthikeyan attended a one-week FDP on “Nano Sensors & Devices” organized by NITTTR, Chandigarh in online mode from 22.08.2022 to 26.08.2022

FACULTY CONTRIBUTIONS AS RESOURCE PERSONS

- ❖ The Department proudly acknowledges **Dr. K. Lenin** for delivering a technical session on “**Recent Trends in Hybrid Vehicles**” at **S.A. Polytechnic College, Chennai**, on **20 September 2022**. His lecture focused on emerging technologies and sustainable developments in hybrid transportation systems.
- ❖ The Department proudly congratulates **Dr. K. Lenin** for delivering an expert lecture on “**Recent Trend in Engineering Drawing**” at **Easwar Polytechnic College, Cuddalore**, on **30 November 2022**. His session enhanced participants' understanding of modern engineering drawing practices and applications.



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



DEPARTMENT OF MECHANICAL ENGINEERING



Hearty Congratulations
to our esteemed faculty member

Dr. K. Lenin

for delivering an expert lecture on
“Recent Trend in Engineering Drawing”
 at Easwar Polytechnic College, Cuddalore,
 on **30 November 2022.**

His session enhanced participants' understanding
 of modern engineering drawing practices and applications.

**GUEST
LECTURE**



We appreciate his valuable contribution to academic excellence!

- ❖ The Department appreciates **Dr. K. Lenin** for serving as a **Resource Person** on “Recent Trends in Production Technology” at Ariyalur Engineering College, Ariyalur, on 30 September 2022. The programme highlighted recent advancements and innovations in production engineering.



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DEPARTMENT OF MECHANICAL ENGINEERING



Hearty Congratulations
to our esteemed faculty member

Dr. K. Lenin

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“Recent Trends in Production Technology”
 at Ariyalur Engineering College, Ariyalur,
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 and innovations in production engineering.

**RESOURCE
PERSON**



We appreciate his valuable contribution to academic excellence!



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



DEPARTMENT OF MECHANICAL ENGINEERING



*Heartiest
Congratulations!*

to our esteemed faculty member

Dr. M. Ramesh

Assistant Professor,
Department of Mechanical Engineering

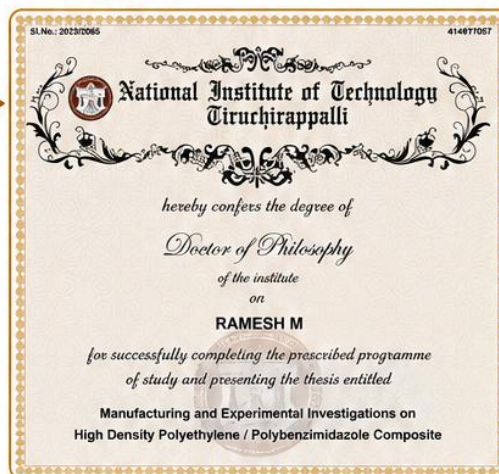
on being awarded the

Doctor of Philosophy (Ph.D.) Degree

by the

**National Institute of Technology,
Tiruchirappalli (NIT-Trichy)**

in the year **2022**



The Department of Mechanical Engineering proudly congratulates

Dr. M. Ramesh, AP/Mechanical on being awarded the
Doctor of Philosophy (Ph.D.) degree by the **National Institute of Technology,
Tiruchirappalli (NIT-Trichy)** in year 2022.

His research work titled

**“Manufacturing and Experimental Investigations on
High Density Polyethylene / Polybenzimidazole Composite”**

reflects his valuable contribution to advanced composite materials
and manufacturing engineering. The department wishes him
continued success in his academic, research, and professional endeavors.



*Your hard work, dedication and perseverance
have brought you this well-deserved success.*

★ ★ *We are proud of you!* ★ ★



STUDENT ACHIEVEMENTS:

STUDENT JOURNAL PUBLICATIONS:

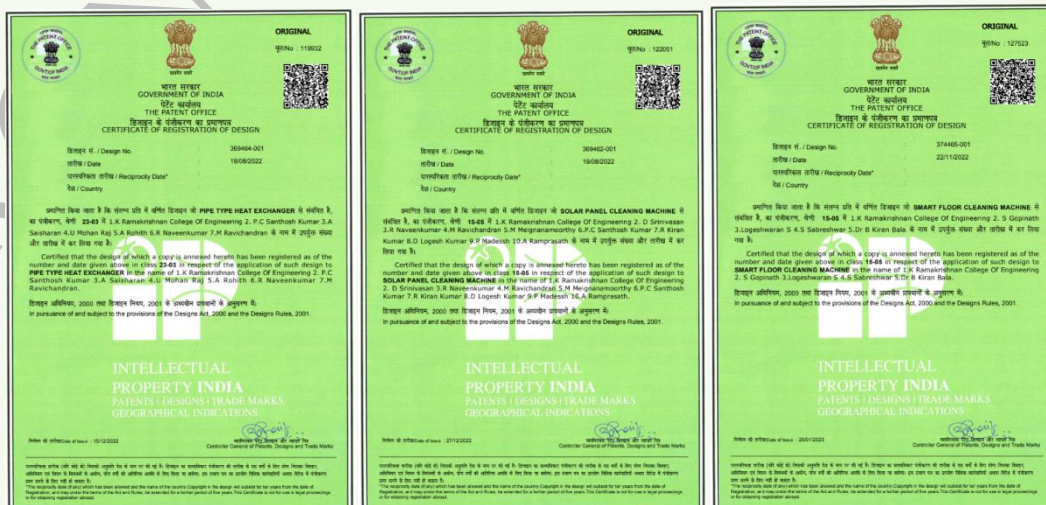
- ❖ Rajaram, S., Kanimurugan, K., Kumaresan, N., Mohemed Naveed, S., & Praveena, P. (2023). Effect of rock powder on the mechanical properties of AL7075 metal matrix composites. Materials Today: Proceedings, 74(1), 85–90.
- ❖ Rajaram, S., Karthikeyan, P., Jaya Surya, T., Kaniskar, K., & Pazhanivel, V. (2023). Experimental investigation of mechanical properties of AA6063/ZrO metal matrix composites. Materials Today: Proceedings.
- ❖ The Department of Mechanical Engineering proudly congratulates 24 students for publishing their research papers in the International Conference on Advanced Materials and Modern Manufacturing (ICAMMM 2023) held at Adhi College of Engineering and Technology, Chennai. The conference proceedings were published with ISBN: 978-93-58908-93-0, providing a valuable platform for students to showcase their research contributions and enhance their academic excellence.

PATENT PUBLICATIONS:

- ❖ Mr. Dr. Jafrey Daniel James D, **Ragul Pushparaj** are the inventors of the Design Patent “Vessel Cleaning Robot”, registered under Design No. 369427-002 on 19-08-2022 at K. Ramakrishnan College of Engineering, Department of Mechanical Engineering.
- ❖ D. Srinivasan, P. C. Santhosh Kumar, R. Naveenkumar, M. Meignanammoorthy, M. Ravichandran, **R. Shanmugaraj, J. Samuel Christian, S. Sreeram** are the inventors of the Design Patent “Helmet”, registered under Design No. 369431-001 on 19-08-2022 at

KRCE, Department of Mechanical Engineering.

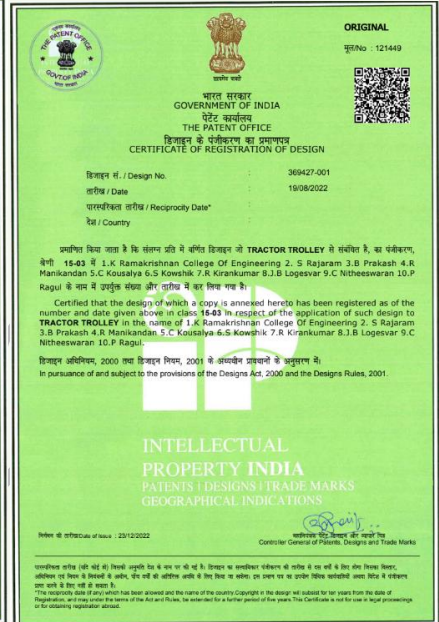
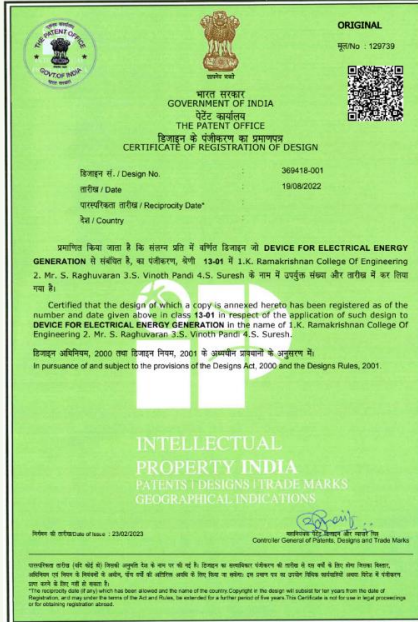
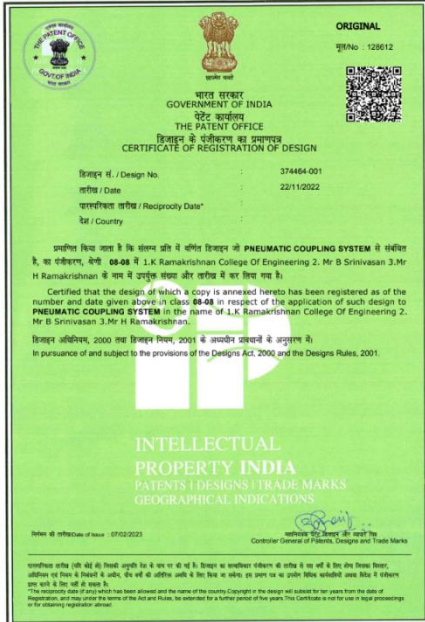
- ❖ Mr. S. Raghuvaran, **S. Vinoth Pandi**, and **S. Suresh** are the inventors of the Design Patent “Device for Electrical Energy Generation”, registered under Design No. 369418-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ D. Srinivasan, P. C. Santhosh Kumar, R. Naveenkumar, M. Meignanammoorthy, M. Ravichandran, **S. Shajid**, and **F. Simpson Jones Froehly** are the inventors of the Design Patent “Tire Pressure Monitoring Device”, registered under Design No. 369416-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ S. Raghuvaran, **G. Venkatesh**, **P. C. Sathish**, and **E. M. Tamil Selvan** are the inventors of the Design Patent “Tile Molding Machine”, registered under Design No. 369421-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ P. C. Santhosh Kumar, **A. Saisharan**, **U. Mohan Raj**, **A. Rohith**, R. Naveenkumar, and M. Ravichandran are the inventors of the Design Patent “Pipe Type Heat Exchanger”, registered under Design No. 369464-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.



- ❖ D. Srinivasan, M. Ravichandran, M. Meignanammoorthy, R. Naveenkumar, P. C. Santhosh Kumar, J. **R. Kabilan, F. Mohamed Suhaith, S. Mohammed Salman Khan, U. Rahul Gandhi** are the inventors of the Design Patent “Stairs Climbing Trolley”, registered under Design No. 369453-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ D. Srinivasan, R. Naveenkumar, M. Ravichandran, M. Meignanammoorthy, P. C. Santhosh Kumar, **R. Kiran Kumar, D. Logesh Kumar, P. Madessh, A. Ramprasad** are the inventors of the Design Patent “Solar Panel Cleaning Machine”, registered under Design No. 369462-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ D. Srinivasan, R. Naveenkumar, M. Ravichandran, M. Meignanammoorthy, P. C. Santhosh Kumar, **L. Leo Aswin, S. Kiran Kumar, S. Pradeep Kumar, S. S. Harini Priyanka, R. Kiran Kumar** are the inventors of the Design Patent “Solar Collector”, registered under Design No. 369463-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ S. Rajaram, B. Prakash, **R. Manikandan, C. Kousalya, S. Kowshik, R. Kiran Kumar, J. B. Logesvar, C. Nitheeswaran, P. Ragul** are the inventors of the Design Patent “Tractor Trolley”, registered under Design No. 369427-001 on 19-08-2022 at KRCE, Department of Mechanical Engineering.
- ❖ D. Srinivasan, M. Meignanammoorthy, M. Ravichandran, R. Naveenkumar, P. C. Santhosh Kumar, J. **Libin Lawrance, K. Malarvendhan** are the inventors of the Design Patent “Helmet (Safety Design)”, registered under Design No. 369461-001 on 19-08-2022 at

KRCE, Department of Mechanical Engineering.

❖ B. Srinivasan and H. Ramakrishnan are the inventors of the Design Patent “Pneumatic Coupling System”, filed on 22-11-2022 at KRCE, Department of Mechanical Engineering.



SMART INDIA HACKATHON



K. RAMAKRISHNAN COLLEGE OF ENGINEERING

(An Autonomous Institution)

Tiruchirappalli – 621 112

DEPARTMENT OF MECHANICAL ENGINEERING



SMART INDIA
HACKATHON
2022

Congratulations!

Hearty congratulations to our talented students
for their outstanding achievement in

SMART INDIA HACKATHON 2022

SOFTWARE EDITION

25 & 26 August 2022

for participating in the
GRAND FINALE



TEAM MEMBERS

1. JAANAGI R P
2. DEVA R
3. THOMPSON INIGO S
4. REVANTH P
5. KUMAR G



TEAM MENTORS

1. CHELLAMUTHU K
2. MANIMARAN M



TEAM : MECHANICAL FORMULATOR

YOUR INNOVATION. OUR PRIDE. A STEP TOWARDS A BETTER INDIA!

The Department of Mechanical Engineering proudly congratulates Team Mechanical Formulator for their remarkable achievement in reaching the Grand Finale of Smart India Hackathon (SIH) 2022 – Software Edition, held on 25 & 26 August 2022. The outstanding performance and innovative spirit of the team members—**Jaanagi R. P., Deva R., Thompson Inigo S., Revanth P., and Kumar G.**, under the guidance of their mentors Mr. K. Chellamuthu and Mr. M. Manimaran, brought great pride to the institution. Their dedication, teamwork, and problem-solving abilities exemplify the true essence of innovation and engineering excellence. The department appreciates their hard work and wishes them continued success in all their future endeavors. Your innovation is our pride, and your achievement inspires future generations of engineers!

NPTEL COURSE”

- ❖ Congratulations to Mr. Durgaraman S for successfully completing the NPTEL course "Inspection and Quality Control in Manufacturing" (12 Weeks) and earning the certification on 26 March 2023.
- ❖ Congratulations to Mr. Prasanna S for achieving the prestigious Elite certification in the NPTEL course "Inspection and Quality Control in Manufacturing" (12 Weeks) on 26 March 2023.
- ❖ 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. Kavin 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. Ameer Khan A for successfully completing the NPTEL course "Laser Based Manufacturing" (12 Weeks) on 29 October 2023.

PLACEMENT DETAILS:

K. RAMAKRISHNAN COLLEGE OF ENGINEERING (AUTONOMOUS)
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 Samayapuram, Tiruchirappalli - 621 112, Tamilnadu.

DEPARTMENT OF MECHANICAL ENGINEERING (NBA ACCREDITED)

PLACEMENT DETAILS BATCH 2023

Company	Students	LPA
MINDTREE	Donovan E, Mithush, Pragathi, Netish Kumar S, Prashanth R	4LPA
TATA CONSULTANCY SERVICES	Raveendran M, Krishna Kanth N, Sudhakar S, Manickaraj D	3.36LPA
CTS	Dino Sherwin A, Lohit Shriram, Shankar R	4LPA
JSW		5.5LPA
TCS, CTS, MINDTREE		4 LPA
ZOHO		5.6LPA
ACOUSTICS	N. Santhosh, Manojkumar R, Karthikeyan S, Aravindh P	1.8LPA
TDS		1.8LPA
DOWELL		1.6LPA
TECHIE		1.5LPA
WINDCARE	Arun S	1.5LPA

TOTAL STUDENTS PLACED - 112
CORE COMPANY PLACED - 95
IT COMPANY PLACED - 25
TOTAL NUMBER OF OFFERS - 122

Management, Principal and All Staff Members Congratulate the Placed Students

Logos: Mindtree, cognizant, tcs, TATA CONSULTANCY SERVICES, ZOHO, JSW, ACOUSTICS, TECHIE, TEAM DETAILING SOLUTIONS, Dowell

The Department of Mechanical Engineering proudly congratulates its final-year students on their successful placements in reputed organizations across various sectors. The remarkable achievements of the students reflect their technical competence, professional skills, and dedication.

- ❖ Acoustics (₹2.40 LPA) R. Manojkumar, N. Nitish Kumar, R. Prashanth, and N. Santhosh secured placements at Acoustics with an annual package of ₹2.40 LPA.
- ❖ Bright Services (₹1.80 LPA) V.M. Sethu Madhavan joined Bright Services with an annual package of ₹1.80 LPA.
- ❖ CTS GenC (₹4.02 LPA) R. Ajith Kumar, D. Bhuvanendran, K. Shankaranarayanan, M. Sharan Deepak, and S. Shiyaam were placed at CTS GenC with an annual package of ₹4.02 LPA.
- ❖ Delphi TVS (₹2.35 LPA) J. Mohamed Ashiq, P. Nandhakumar, S.

Radhakrishnan, P. Ragul, T. Vasanth, and T. Mokesh secured placements at Delphi TVS with an annual package of ₹2.35 LPA.

- ❖ Mindtree (₹4.00 LPA) E. Donovan, T. Lohit Shriram, J. Muthaiah Pragatheeshwaran, S. Ram Kumar, and R. Vignesh Karthikeyan joined Mindtree with an annual package of ₹4.00 LPA.
- ❖ Rane (₹3.00 LPA) G. Raveena, R. Santhosh Kumar, S. Shanmathi, P. Sabari Bala, and M. Vigneshwaran secured placements at Rane with an annual package of ₹3.00 LPA.
- ❖ Sureti IMF (₹3.00 LPA) R. Sivaranjani joined Sureti IMF with an annual package of ₹3.00 LPA.
- ❖ TCS SAP (₹3.37 LPA) V.J. Sanjay was selected for TCS SAP with an annual package of ₹3.37 LPA.
- ❖ TCS Ninja (₹3.37 LPA) R.B. Dhanush, A.N. Jayanth Adithya, V. Jeeva, R.M. Keerthivasan, U. Kishore, and S. Naveenkumar secured placements at TCS Ninja with an annual package of ₹3.37 LPA.
- ❖ TDS (₹1.80 LPA) N. Krishna Kanth, M. Raveendhran, R. Sudharson, and D. Manickaraj joined TDS with an annual package of ₹1.80 LPA.
- ❖ Windcare (₹1.44 LPA) S. Karthikeyan, S. Arun, and T. Yeswanth secured placements at Windcare with an annual package of ₹1.44 LPA.
- ❖ Zoho (₹5.60 LPA) R. Shankar achieved an outstanding placement at Zoho with an annual package of ₹5.60 LPA, marking one of the highest packages secured by the batch.

INTERNSHIP DETAILS

- ❖ Mr. R. Shankar, Final Year Mechanical Engineering, successfully completed a 2-Month Internship at ZOH0 Corporation from 17.01.2023 to 17.03.2023.
- ❖ Mr. S. Nithish Kumar, Mr. R. Prashanth, and Mr. N. Santhosh, Final Year Mechanical Engineering students, successfully completed a 2-Month Internship at Acoustics India Private Limited from 18.01.2023 to 17.03.2023. The internship enhanced their technical knowledge,

practical skills, and industry exposure, contributing significantly to their professional growth.

- ❖ Mr. S. Dinesh Kumar, Final Year Mechanical Engineering, successfully completed a 2-Month Internship at Dowell Engineers from 06.02.2023 to 06.04.2023. The internship enhanced his technical expertise, practical skills, and industry exposure, contributing significantly to his professional growth and career readiness.
- ❖ Mr. S. Karthik Raja, Final Year Mechanical Engineering, successfully completed a 2 Months and 13 Days Internship at the National Skill Development Corporation (NSDC) from 15.02.2023 to 28.04.2023. The internship enriched his technical knowledge, employability skills, and industry exposure, contributing significantly to his professional development.
- ❖ Mr. S. Avinash, Mr. B. Kathirvelan, Mr. C. Manikandan, and Mr. A. Ajmuldeen, Final Year Mechanical Engineering students, successfully completed internships at Yashaswi during January–April 2023.
- ❖ Mr. P. Manikandan, Mr. A. Ajay, Mr. A. Infant Gladwin, and Mr. K. Karthick, Final Year Mechanical Engineering students, successfully completed internships at TVS Sundram Fasteners Limited during January–April 2023.
- ❖ Mr. R. Hariharan, Mr. S. Harshath, Mr. M. Jegatish, Mr. B. Premnivas, Mr. G. Arul Vel Lingam, and Mr. R. Gurupandian successfully completed an In-Plant Training Programme at Tuticorin Thermal Power Station from 17.01.2023 to 03.02.2023.
- ❖ Mr. T. Rakesh and Mr. M. Sheik Abdulla, Mechanical Engineering students, successfully completed an In-Plant Training Programme at Ordnance Factory Trichy from 30.01.2023 to 04.02.2023.