RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Kumbalagodu, Mysuru Road, Bengaluru - 560 074

(Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belagavi)

AN AUTONOMOUS INSTITUTION

DEPARTMENT OF ROBOTICS AND AUTOMATION

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Volume : 4

CYBORGS 2024 - 2025

Issue : 2



Dr. A. C. Shanmugam B.A. L.L.B, FIMSA, FRCPS (Glasgow, U.K) Chairman, RRGI





Sri. A.C.S.Arunkumar B.Tech (Hons), LMISTE,MIET., (UK).,LMCSI. Vice-Chairman RRGI

We express our utmost gratitude to the Management, Principal, and all Deans for their unwavering encouragement, inspiration, and support throughout the compiling and release of our latest newsletter, "CYBORGS 2024-2025". Their constant support has been essential in bringing this publication to fruition.



Dr. R Balakrishna Prinicipal, R.R.C.E.

Department at a Glance

The Department of Robotics and Automation was established in the academic year 2021–2022 with an initial intake of 60 students. It is supported by a team of highly qualified faculty members with rich experience across various engineering disciplines.



r. Satheesha V. Head - R&A

The program is designed to equip students with the skills to plan, design, construct, and operate robotic systems independently and effectively. It also emphasizes the integration of computer systems for control, sensing, feedback, and information processing in robotics and automation. The department features cutting-edge laboratories equipped with advanced software tools to ensure precise and efficient outcomes. In addition, it regularly organizes seminars, workshops, and Industry-Institute Interaction programs to further enrich students' learning and exposure.

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College Vision

To empower young minds through technology, research, and innovation, to produce technically competent and socially responsible professionals in higher education.

College Mission

To deliver excellence in education through innovative teaching, impactful research, and continuous skill development, preparing students to meet global challenges with technical expertise and ethical responsibility.

To foster a transformative learning environment that integrates technology, research, and practical experience, empowering students to become skilled professionals and socially conscious leaders.

To cultivate a culture of lifelong learning and professional excellence by encouraging creativity, research, and community engagement, equipping students with the skills to thrive in a dynamic world

To provide a holistic educational experience that combines advanced technology, hands-on research, and community-focused learning, shaping students into competent, ethical professionals who contribute positively to society.

Department Vision

To develop technically skilled Robotics and Automation engineers with the systems & multidisciplinary approach in-line with the dynamic technologies for the competitive solution to the society.

Department Mission

To provide a technical education through an effective teaching-learning process to meet the industry requirement.

To teach the process of designing, creating, and using robots to perform a certain task in problem-solving skills up-gradation of knowledge through project-based approach in collaboration with industries.



Department Over View

The Department of Robotics and Automation Engineering was established in 2021 with an approved intake of 60 students. The program is recognized by the All India Council for Technical Education (AICTE), New Delhi, and is affiliated with Visvesvaraya Technological University (VTU), Karnataka.

The department comprises nine dedicated faculty members, many of whom hold doctoral (Ph.D.) degrees and bring over a decade of academic and industry experience. The department actively promotes student development through an increasing number of workshops, industrial visits, faculty development programs (FDPs), seminars, skill enhancement initiatives, alumni talks, miniprojects, and project exhibitions held on campus. Faculty and student projects are regularly proposed for funding from reputed agencies such as VGST, KSCST, and VTU.

Both students and faculty members have earned NPTEL online certifications, and students also excel in sports and co-curricular activities including NCC, NSS, karate, cricket, and kabaddi, with participation at the state and university levels. These activities are conducted under the aegis of professional bodies such as ISTE, IETE, and the department's dedicated student club.

The department focuses on the design, development, and deployment of robotic systems and automated solutions. It combines key concepts from mechanical engineering, electrical engineering, computer science, and artificial intelligence to build systems capable of performing complex tasks with precision and efficiency. Areas of interest include industrial automation, autonomous vehicles, medical robotics, and Al-driven manufacturing. Through these endeavors, the department strives to drive technological advancement, enhance productivity, and foster innovation across various industries.



Faculty Members of Robotics and Automation (CAY 2024-2025)



Dr.Ramesh C.Dean-Infrastructure



Dr.M. Karthiketan Deputy Dean-COE



Dr.Satheesha V.Head of the Dept. - R&A



Dr. Viswanath K. C.Dean (Assoc)-IQAC



Dr. Srinivasalu Reddy N.
Dean (Assoc)-R&D



Sub.Lt.Dr.Thanuj Kumar M. Dean (Assoc)-Student Affairs



Dr.Radhakrishna R. K.Dean-IQAC



Prof. Dhananjay B. S.Assistant Prof.



Prof. ManasaAssistant Prof.



STATE LEVEL CODE NUREL HACKATHON 2025

Date : 03rd & 04th March 2025

Participants: 6th Semester Students

Tanzeem 1RR22RA028

Jaffer.A 1RR22RA010

Kanishk J 1RR22RA011

Ranjitha.P 1RR22RA018

Event : CODE NUREL HACKATHON 2025, Organized by Dept. of CSE,

ACS College of Engineering, Bengaluru



Awarded 2nd prize for presenting the title "Telehealth Innovation for Improved Patient Care" an innovative approach to enhancing patient care through telehealth solutions.

KSCST Project Sanctioned

Organization : Karnataka State Council for Science and Technology

Event: 48th Series of Student Project Programme (SPP): 48S-BE-1906,

Year 2024-25

Participants : Suhas S Vasishta (1RR21RA020)

Balasaravana S (1RR21RA002)

Mohan M K (1RR21RA014)

Naveen Kumar S N (1RR21RA015)

Guide : Dr. Radhakrishna R. K.

Title : Enhanced Autonomous Robot Navigation Through Multi Sensor

Data Fusion - Implementation Of MI Algorithms And Slam.

Sanctioned : Rs.5,000/- Guide



Dr. Radhakrishna R. K.

Project Team



Amount

Suhas S Vasishta (1RR21RA020)



Balasaravana S (1RR21RA002)



Mohan M K (1RR21RA014)



Naveen Kumar S N (1RR21RA015)



KSCST Project Sanctioned

Organization : Karnataka State Council for Science and Technology

Event: 48th Series of Student Project Programme (SPP): 48S-BE-2122,

Year 2024-25

Participants: Hafsa Fathima (1RR21RA006)

Mohammad Haroon Khan (1RR21RA012)

Keerthi M R (1RR21RA010)

Vitthesh R R (1RR22RA402)

Guide : Dr. M. Karthikeyan and Dr. Sathessha V.

Title : Al-Driven Interactive Humanoid for Heathcare Services and

Educational Environment.

Sanctioned : Rs.5,000/-

Dr. N Sreenivasalu Reddy

Amount



Project Team



Dr. Vishwanath K C



Samvrudh N (1RR21RA019)



Viha Triputhi S Pandit (1RR22RA402)

KSCST Project Sanctioned

Organization : Karnataka State Council for Science and Technology

Event: 48th Series of Student Project Programme (SPP): 48S-BE-2184,

Year 2024-25

Participants: Hafsa Fathima (1RR21RA006)

Mohammad Haroon Khan (1RR21RA012)

Keerthi M R (1RR21RA010)

Vitthesh R R (1RR22RA402)

Guide : Dr. M. Karthikeyan and Dr. Sathessha V.

Title : Al-Driven Interactive Humanoid for Heathcare Services and

Educational Environment.

Sanctioned : Rs.5,500/-

Amount



Dr. M. Karthikeyan

Guide and Co-Guide





Dr. Sathessha V.

Project Team



Hafsa Fathima (1RR21RA006)



Mohammad Haroon Khan (1RR21RA012)



Keerthi M R (1RR21RA010)



Vitthesh R R (1RR22RA402)



KSCST Project Sanctioned

Organization : Karnataka State Council for Science and Technology

Event: 48th Series of Student Project Programme (SPP): 48S-BE-2271,

Participants : Year 2024-25

Guide

Title

Sanctioned

Amount

Lohith M R (1RR21RA011)

Trisit Paul (1RR21RA021)

: Nithin K (1RR22RA400)

: Dr. Thanuj Kumar M.

: Flying to Rescue: The Future of Air Ambulance Drones

Rs.5,500/-

Guide



Dr. Thanuj Kumar M.

Project Team



Lohith M R (1RR21RA011)



Trisit Paul (1RR21RA021)



Nithin K (1RR22RA400)

NPTEL Translation Edit Task

Participant : Dr. Satheesha V.

Translation Task : Machine Learning Tool -

Translingua - "Kannada"



Dr. Satheesha V.





NPTEL Certificate

Atal Talk

Participant : Dr. M. Karthikeyan

Certificate No.: ATAL/2024/1735278586

ATAL/2025/1736305049



Dr. M. Karthikeyan









ATAL/2024/1735278586

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Dr. Karthikeyan M, Professor of RojaRajeswari college of Engineering has successfully participated & completed AICTE
Training And Learning (ATAL) Academy Faculty Development Program on Navigating the Digital Landscape: Next-Gen Communication techniques
for Teaching Pedagogy and Research Writing at Knowledge Institute of Technology from 20/01/2025 to 25/01/2025.



Venkatesan T Associate Professor Level (AICTE Institute), Coordinator Knowledge Institute of Technology



Dr. Sunil Luthra Director & Bureau Head Training and Learning Bureau, AICTE













ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Dr. Karthikeyan M, Professor of RajaRajeswari college of Engineering has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Energy and Electric Vehicles in India: Opportunities, Challenge, and Futures at MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE from 27/01/2025 to 01/02/2025.



S V Saravanan
Professor Level (AICTE Institute), Coordinator
MEENAKSHI SUNDARARAJAN ENGINEERING
COLLEGE



Dr. Sunil Luthra Director & Bureau Head Training and Learning Bureau, AICTE



Industrial Visit-2025

Date : 20th March 2025

Participants: 2nd Year Students

Company: M/s. Pace Digitek and Lineage Power Systems Pvt Ltd, Bengaluru.







Industrial Visit-2025

Date : 09th April 2025

Participants: 2nd Year Students

Company: M/s. Fanuc India Pvt. Ltd, Bengaluru.

Lat 12.816961° Long 77.680195°

09/04/25 11:58 AM GMT +05:30



Faculty Development Program -2025

Date : 03rd to 07th February 2025

Participants : Robotics and Automatio, Civil Engg, Comp. Sci. & Design, MBA

Topic : Personal and Professional Development of Faculties

Coordinators: Dr. Srinivasalu Reddy N and Dr. Thanuj Kumar M.



























Books Published by the Faculty

Book Title : Futuristic Trends in Engineering and Management, 1st Edition

Author : Dr. Thanuj Kumar M.

Publisher : Tech Press Pvt. Ltd., New Delhi

E-Publication: Amazon and Flipkart



Dr. Thanuj Kumar M. Dean (Assoc) Student Affairs Associate Professor



Futuristic Trends in Engineering and Management

AND APPLICATIONS

Supplied to the second of the second of

Graph Theory and Applications

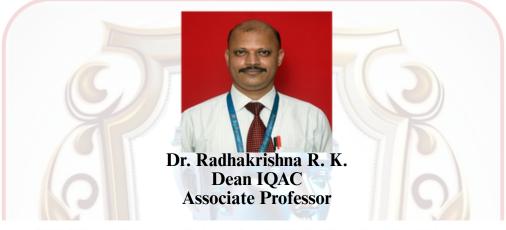
Publisher: Tech Press Pvt. Ltd., New Delhi Publisher: Scientific International Publishing House

Skill Enhancement NPTEL Course

Date: Jun - July 2024

Participant: Faculty of Robotics and Automation

Swayam: NPTEL Online Certification, funded by MoE, Govt. of India





NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RADHAKRISHNA R KUMSHIKAR

for successfully completing the course



Making Learning Engaging Through Interactive Games

with a consolidated score of 45 %

Online Assignments | 15/25 | Proctored Exam | 30/75

Total number of candidates certified in this course: 182

The

Prof. Andrew Thangaraj

Chair

Centre for Outreach and Digital Education, IITM

Jul-Aug 2024

(4 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras







Skill Enhancement NPTEL Course

Date Aug - Oct 2024

Faculty of Robotics and Automation Participant:

NPTEL Online Certification, funded by MoE, Govt. of India **Swayam**



Dr. Thanuj Kumar M. Dean (Assoc) Student Affairs Associate Professor



Elite

(Funded by the MoE, Govt. of India)

This certificate is awarded to

THANUJ KUMAR M

for successfully completing the course

Laser Based Manufacturing

with a consolidated score of

Online Assignments | 21.25/25

Proctored Exam

69

Total number of candidates certified in this course: 881

Aug-Oct 2024

(8 week course)

कौशल भारत-कशल भारत

Head, Centre for Educational Technology NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati

No. of credits recommended: 2 or 3



To verify the certificate









Skill Enhancement NPTEL Course

Date Aug - Oct 2024

Faculty of Robotics and Automation Participant:

NPTEL Online Certification, funded by MoE, Govt. of India **Swayam**



Dr. Vishwanath K. C. **Associate Professor Department of Robotics and Automation**



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

DR VISHWANATH K C

for successfully completing the course



with a consolidated score of

Online Assignments | 15/25

Proctored Exam 31.5/75

Total number of candidates certified in this course: 499



rman, Centre for Continuing Education IT Kanpur

Jul-Aug 2024

(4 week course)





Indian Institute of Technology Kanpur

No. of credits recommended: 1 or 2



To verify the certificate





Skill Enhancement NPTEL Course

Date Aug - Oct 2024

Faculty of Robotics and Automation Participant:

NPTEL Online Certification, funded by MoE, Govt. of India **Swayam**



Dr. N. Sreenivasalu Reddy **Associate Professor Department of Robotics and Automation**



(Funded by the MoE, Govt. of India)

Skill India कौशल भारत-कुशल भारत

This certificate is awarded to

DR N SREENIVASALU REDDY

for successfully completing the course

Patent Drafting for Beginners

with a consolidated score of

Online Assignments | 21.42/25 | Proctored Exam

46.5/75

Total number of candidates certified in this course: 728



Prof. Andrew Thangaraj

Centre for Outreach and Digital Education, IITM

Jul-Aug 2024

(4 week course)



NPTEL Coordinator



ndian Institute of Technology Madras

Roll No: NPTEL24HS95S332005529

To verify the certificate



No. of credits recommended: 1 or 2





Skill Enhancement NPTEL Course

Date : Jan - April 2025

Participant: Faculty of Robotics and Automation

Swayam: NPTEL Online Certification, funded by MoE, Govt. of India





NPTEL-AICTE Faculty Development Programme



(Funded by the MoE, Govt. of India)

This certificate is awarded to

MANASA G

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of 81 %

Prof. Andrew Thangaraj



lan-Anr 2025)

Roll No: NPTEL25CS44S442203266

Duration of NPTEL course: 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams



Toppers of 2nd Semester End Exams



Ms. Akshaya P (1RR23RA003) has secured 1st Rank with 84.75% in the 2nd semester
Visvesvaraya Technological University Exams



Ms. Akanksha Singh (1RR23RA001) has secured 2nd Rank with 80% in the 2nd semester Visvesvaraya Technological University Exams



Mr.Sharath Rao (1RR23RA033) has secured 3rd Rank with 77.88% in the 2nd semester Visvesvaraya Technological University exams



Certificate of Appreciation

Toppers of 6th Semester End Exams





90 %

4th Rank

ndran

Congratulations



Ms.Nithashree. L. 1RR21RA017 87.4 % 5th Rank

Ms.Bhumika H S (1RR21RA003)	secured 94%	with	1 st Rank
Ms.Nithya B (1RR21RA018)	secured 93%	with	2 nd Rank
Ms.Jeevika D K (1RR21RA009)	secured 90%	with	3 rd Rank
Ms. Nisanka Mansi Chandran (1RR21RA016)	secured 90%	with	4th Rank
Ms.Nithashree L (1RR21RA17)	secured 87%	with	5 th Rank

6th semester - Visvesvaraya Technological University examinations

VTU Ranks Holders



Ms.Nithya B (1RR21RA018) CGPA - 9.41



(1RR21RA009)

Ms.Bhumika H S (1RR21RA003) CGPA - 9.31



Ms.Nisanka Mansi Chandran (1RR21RA016) CGPA - 9.06



UTU

Ms.Viha Trupthi S Pandit (1RR21RA022) CGPA - 8.81



Report on Blood Donation Camp 2024

Date : 06th December 2024

Organiser: Youth Red Cros, NSS & Green Club of RRCE

Participant: Voluntary students of Robotics and Automation









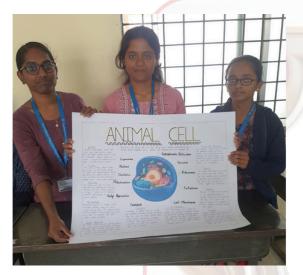


Biology for Engineering Poster Presentation - 2024

Date : 2nd August 2024

Event: Biology for Engineering Poster Presentation — 2024

Participant: Students of Robotics and Automation









Skill Enhancement Activitiy" - 2024

Date : 22nd July to 31st July 2024

Event: Biology for Engineering Poster Presentation — 2024

Participant: Leading Cadet. Gnanashree (Regt. No.: KA23SWN034205)









CERTIFICATE OF EXCELLENCE

This is to certify that Cadet Gnanashree NV, KA235WN034205 from 1 Kar NUNCC,

has secured SECOND Place at Pre Yachting Regatta I 2024 conducted by 3 Karnataka

Naval Unit NCC, Mysuru at Royal Mysore Sailing Club, Krishnarajasagara

from 22 Jul to 31 Jul 24.

(Viriay Ramachandran)
Lieutenant Commander
Camp Commandant
Pre Yachting Regatta-I

(Rohit Thakur)

Group Commander
NCC Group Headquarters Mysuru





Industrial Visit 2024-25

Date : 17th April 2025

Event: Industrial Visit - "DiFACTO Robotics and Automation"

Participant: 4th Sem Students







Skill Enhancement Program

Date : Aug - Oct 2024

Participant: Dr. Vishwanath K. C.

Event : Board of Examiner at Visvesvaraya Technological University



Dr. Vishwanath K. C.

Associate Professor Department of Robotics and Automation Rajarajeswari College of Engineering

Faculty Enhancement Activity

Date : 26th July to 1st August 2024.

Participant: Dr. N. Sreenivasalu Reddy

Event: 7 days FDP on "Empowering Educators in IPR"





Dr. N. Sreenivasalu Reddy
Associate Professor
Department of Robotics and Automation









Dr. N. Sreenivasalu Reddy

For successful participation in the Faculty Development Program

"Empowering Educators in Intellectual Property Rights"

Organized by Padmashree Institute of Management and Sciences, in collaboration with Karnataka State Council for Science and Technology (KSCST), Bengaluru, and Visveswaraya Trade Promotion Centre (VTPC), Bengaluru, from 26th July to 1st August 2024.

Aus Mall

Dr. Anuradha M Principal, PIMS 171 .

Mr. Satish

William

Dr. U T Vijay





Exemplary Services at Rajarajeswari College of Engineering

Date : 25th September 2024

Participants: Sub. Lt. Dr. Thanuj Kumar M. & Dr. Radhakrishna R. K.

Event : Appreciation Award on Founderday Celebration



Sub. Lt. Dr. Thanuj Kumar M.
Associate Professor
Department of Robotics and Automation



Robotics &

Automation





Dr. Radhakrishna R K
Associate Professor
Department of Robotics and Automation



Appreciation Award to Long Service and Promising Instructor" - 2024

Date : 25th September 2024

Participants: Mr. M.Krishnamurthy, Instructor, R&A Dept.

Event : Appreciation Award on Founderday Celebration





Mr. M. Krishnamurthy
Instructor
Department of Robotics and Automation



Skill Enhancement Program

Date : 10th Sept and 11th Sept - 2024

Participants: Dr. Vishwanath K. C.

Event : International Conference ESTCON 2024organized by Universiti

Teknologi PETRONAS, Malaysia.







KALASOURABHA - 2025

Annual Sports Competition - 2025

Date : 09th May 2025

Participants: Dr. Vishwanath K. C.

Event : Annual Sports Meet and College Fest "Kalasourabha 2K25"



Students received the winning trophy for Foot Ball from Mr. Vasishta Simha, Indian Cinema Actor (Chief Guest) during the Annual Sports Meet and College fest Kalasourabha 2025



Industrial Visit 2024-25

Date : 17th April 2025

Event: Industrial Visit - "Karnataka Dairy Development Corporation (KDDC)"

Participant: 1st Year Robotics and Automation students







Student Achievements

Date : 25th & 26th October 2024

Event: Make4Mysore Competition

Participant: 3rd semester students of Robotics and Automation



Mr. Vinaykumar T, Mr. Sameer Magi, Mr. Darshan and Mr. Zubair have bagged the 1st Runner up position with a cash prize of Rs. 7000/- at Make4Mysore Competition,

Skill Enhancement Event - Rank Selection Test 1 KAR NAVAL Unit NCC

Date : 26/02/2025

Regiment No: KA2022SDN106016

Rank : Senior Cadet Captain

NCC: 1 KAR NAVAL Unit NCC







KA2022SDN106016 CC.LOHITH M.R.

CC. Lohith M. R. of Robotics and Automation Dept. participated in Republic Day Parade - 2025 at Delhi representing RREC in the "Prestigious Prime Minister's Rally (PMR)" and are also competing in the "Flag Area Competition"

One Day Workshop

Date : 13th Sept. 2024

Event : One Day Workshop on "Introduction to PI Controller"

Participant: Students of Robotics and Automation

Raja

Rajarajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi , Approved by AICTE, UGC & GoK, Accredited by ISO 9001-2015 Certified Institution)

#14, Ramohalli Cross, Kumbalagodu, Mysuru Road, Bengaluru - 560 074. Karnataka

Department of Robotics and Automation Engineering

One Day Workshop on Introduction to PI Controller



<u>Date</u>

Friday, 13th September 2024 from 9.00 am to 04.00 pm

Venue

Arya Bhatta Seminar Hall



www.rrce.org admission@rrce.org Contact: 9008845678

CET Code: E145 COMED-K: E099 PGCET:T858



<u>Speaker</u> Prof.Deeraj. C

Assistant professor DEPARTMENT OF MCA Rajarajeswari College of Engineering



SCR Activity – 2025

Date: 14th December 2024

Event : Social Connect and Responsibility Activity - Industrial Visit

Participant: Students of Robotics and Automation

Company: Bharath Arts & Crafts, Channapatna Craft Park, Ramnagara (Dt)





Faculty Publications 2024-25

International Journal:

- 1.Dr. Vishwanath K C, "Microstructural and Tensile Characterisation of Si3 N4 Reinforced Al2219 Alloy Composites" Journal of Mines, Metals and Fuels, Vol 72(12): Dec 2024. DOI: 10.18311/jmmf/2024/45286
- 2.Dr. Vishwanath K C, Dr. N. Sreenivasalu Reddy, "Synthesis, hardness and tensile behavior of boron carbide reinforced Al6082 alloy composites for automotive applications" Brazilian Journal of Development,v.11, n.1, p. 01-19, 27th Dec 2024, ISSN: 2525-8761, DOI:10.34117/bjdv11n1-035
- 3. Dr. Vishwanath K C, Dr. N. Sreenivasalu Reddy, "Investigations on hardness and tensile behavior of micron boron carbide particles reinforced Al5052 alloy composites" Brazilian Journal of Development, v.11, n.2, p. 01-23, 07th Feb 2025, ISSN: 2525-8761,DOI:10.34117/bjdv11n2-055
- 4. Dr. Vishwanath K C, "High Temperature Wear Performance of Micron and Nano Coatings by Thermal Spray Technique-A Critical Review" Journal of Mines, Metals and Fuels, Vol 73 (3) | March 2025, pp 663-679; DOI: 10.18311/jmmf/2025/47408
- 5.Dr. Vishwanath K C, "Mechanical and fractography behavior of nano and micro boron carbide particles reinforced Al2014 alloy composites for aerospace applications" Research on Engineering Structures & Materials, DOI: http://dx.doi.org/10.17515/resm2025-601me1229rs Accepted: 05 May 2025
- 6. Dr. Satheesha V, "Influence of Mechanical Properties on Al5083 Metal Matrix Composites" International Journal of Engineering Technology and Management Sciences, Issue: 3 Volume No.9, May- June- 202, DOI:10.46647/ijetms.2025.v09i03.020 ISSN: 2581-4621
- 7. Dr. Radhakrishna R K, "The influence of Stacking Sequence on the Mechanical Properties of Woven Jute and Bamboo Fibre Reinforced with Epoxy Hybrid Composites, Journal of Mines, Metals and Fuels- Informatics Publishing Limited ISSN: 0022-2755, 71(12A): 63-72; 2023. DOI: 10.18311/jmmf/2023/45514
- 8. Dr. N Sreenivasalu Reddy, "Performance Analysis of V-trough Solar Water Heater using Curve Shaped Riser Tubes", Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, ISSN: 2289-7879, 123, Issue 2 (2024) 48-56
- 9. Dr. Thanuj Kumar M., Synthesis and Characterization of Magnetic Nano Particle Materials (Fe2O3 & Fe3O4) Synthesized by Arc Discharge Method, May 2025, Journal of The Institution of Engineers (India) Series D, DOI:10.1007/s40033-025-00896-9 (Published in Springer nature publication Q2)
- 10. Dr. Thanuj Kumar M. "Study of Optimization of Process Parameters on the Wear Behaviour of Al7075-Aluminium Oxide composites using Taguchi Approach" Scientific Reports, https://doi.org/10.1038/s41598-025-05188-6 (Scientific Reports of Springer nature publications Q1)

Faculty Publications 2024-25

International Conference:

- 1. Dr.M. Karthikeyan, "Cost effective humanoid robot for service applications integrating ESP32 for motion and Raspberry Pi for AI Communication" International Conference on Recent Research in Computational Sciences and Engineering (ICRRCE -2025) held on 12th April 2025 at RajaRajeswari College of Engineering, Bangalore.
- 2. Dr. Satheesha V, "Influence of Mechanical Properties on AI5083 Metal Matrix Composites" International conference on Research Communications in Engineering, science and management (ICRCESM) 2025, Ramachandra college of Engineering, Eluru, Andra Pradesh on 30th & 31st May 2025
- 3. Dr. Satheesha V, "Optimizing W-EDM machining parameters on oil hardened non shrinking steel" International conference on materials propulsion and Robotics ICMPR 2025, Acharya Institute of Technology, Bangalore on 27th & 28th June 2025
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1. Dr. Satheesha V, "Performance analysis of shell and tube Heat exchangers with baffles for aerospace thermal management system" National conference on Recent Trends in Engineering Science and Technology held on 7th May 2025. ISBN: 978-93-6884-411-2

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