

|| SRI DEVARAJ URS EDUCATIONAL TRUST (R.) ||

R. L. JALAPPA INSTITUTE OF TECHNOLOGY

(APPROVED BY AICTE, NEW DELHI, AFFILIATED TO VTU, BELAGAVI & ACCREDITED BY NAAC "A" GRADE)

KODIGEHALLI, DODDABALLAPUR- 561 203



website: <https://rljit.in>



e-SAADHANA

Quarterly e-News Letter
Volume-4, Oct-Dec 2024

VISION

"To be a premier institution by imparting Quality in Technical Education, Professional Training and Research".

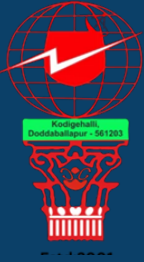
M1:Mission

"To provide an outstanding Teaching, Learning and Research environment through Innovative Practices in Quality Education".

M2: Mission

"To develop Leaders with high level of Professionalism to have a career in the Industry, Zeal for Higher Education, focus on Entrepreneurial and Socetal activities ".





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COURSES OFFERED

UG Programs

Computer Science and Engineering

Computer Science and Engineering (Artificial
Intelligence and Machine Learning)

Computer Science and Engineering (Data Science)

Computer Science and Engineering (Cyber Security)

Electronics and Communication Engineering

Mechanical Engineering

PG Programs

MTech in Computer Science and Engineering

Masters of Business Administration

Doctoral Programs

Computer Science and Engineering

Electronics and Communication Engineering

Mechanical Engineering





R. L. JALAPPA Founder Chairman

R. L. Jalappa was a visionary educationist, politician, and social worker who founded the Sri Devaraj Urs Educational Trust (SDUET) in 1986 to support the people of Kolar, particularly those from backward classes. The SDUET offers education from kindergarten to post-doctoral levels. An outspoken politician, Jalappa was a member of the Indian National Congress. He also led the cooperative movement, promoting agricultural, horticultural, and dairy farming. In 2001, he founded the R. L. Jalappa Institute of Technology (RLJIT) in Doddaballapur, affiliated with Visvesvaraya Technological University, Belagavi. His contributions to education and social welfare remain significant.





From the Management's Desk



Sri G H Nagaraj
Chairman

"Publishing of a quarterly e-news letter to have the information from all the Departments and the institution is a unique initiative. I appreciate the efforts of the concerned HoDs, staff and the Principal, R L Jalappa Institute of Technology in bringing out the e-news letter."

- Sri G H Nagaraj, Chairman

"It is indeed a great pleasure that R. L. Jalappa Institute of Technology, Doddaballapur, is bringing out a quarterly e-news letter highlighting the academic, research and other activities of the Departments. I would like to congratulate the Principal , all HODs and concerned staff who are involved in this good initiative."

- Sri J Rajendra , Vice Chairman



Sri J Rajendra
Vice Chairman



From the Management's Desk



Sri Hanumantha Raju
Secretary

"I am very happy to know that R. L. Jalappa Institute of Technology is publishing quarterly e-news letter covering the news of Academic, Research and other activities of the Departments. I take this opportunity to congratulate the Principal, all HoDs and concerned staff who are involved in this good initiative. I appreciate the e-News Letter Team for their wonderful initiative."

-Sri Hanumantha Raju , Secretary

Dear Readers,

I am delighted to share this quarter's magazine, highlighting our team's achievements and milestones. It reflects our dedication, creativity, and vision for the future. Thank you to everyone who contributed. Let's continue to innovate and aim higher together.

-Sri J Nagendra Swamy, CEO



Sri J Nagendra Swamy
CEO



From the Principal's Desk

Dear Students, Faculty, and Readers,

It is my privilege to share my thoughts through this edition of our college magazine, a reflection of the creativity, talent, and achievements of the RLJIT family.

At RLJIT, we strive for excellence, fostering innovation and holistic growth to shape individuals ready to contribute meaningfully to society. This magazine stands as a testament to our collective journey and vibrant community spirit.

I extend my heartfelt congratulations to the editorial team for their efforts and wish everyone success in all their endeavors.



Dr. P Vijayakarthish
Principal

- Dr. P. Vijayakarthish, Principal

I am very proud to share that we have conducted lot of successful events and initiatives over the past few months. I am proud of the work that our community has accomplished by bringing the news letter and the positive impact we have had. Keep up the good work.

Our Institution is having the excellence track of the results and success streak of the placements in reputed MNCs. It is a place of advancing knowledge and transforming lives with affordable fee structure with quality education with good infrastructure for better living, pollution free environment with lavish green campus.

- Dr. Shiva Prasad K M, Vice Principal



Dr. Shiva Prasad K M
Vice Principal



From the Director's Desk

As a Director for HRM, I am excited to announce the launch of our new e-newsletter, which will provide students with valuable information and resources related to career development and job search strategies.

I encourage you to stay engaged with your college's career services office and to take an active role in your own career development. With hard work and dedication, you can position yourself for success in your chosen field.

- Prof. N S Babu Reddy Director, HRM



Prof. N S Babu Reddy
Director, HRM



Dr. Sreenivasa Reddy
Director, Quality in Academics
and R&D

It is indeed my great pleasure and privilege to share that our Institution is bringing out "e-Sadhana" a periodical news bulletin which showcases the achievements of the faculty members and encapsulated excellence / talent of the young minds. It is quite enthralling to make a note that, a numerous value based activities have been found very significant throughout in attaining pinnacle of perfection and professionalism in all the aspects.

Hearty congratulations to the editor in chief and editorial team for their determined efforts in bringing out this in a short stint of time.

-Dr.Sreenivasa Reddy, Director (Quality in Academics and R&D)

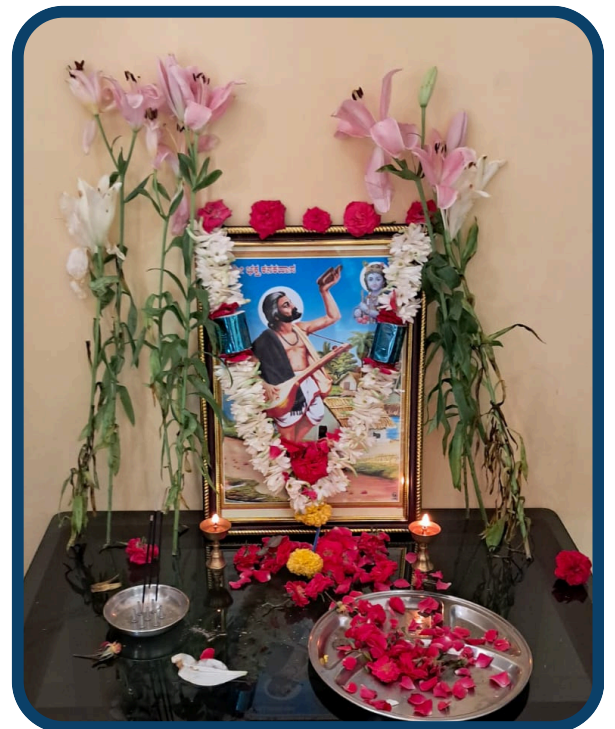


EVENTS



The Gandhi Jayanti and Lal Bahadur Shastri Jayanti celebrations at RLJIT Institution honored the legacy of two great leaders. Students and staff gathered to reflect on their values of peace, simplicity, and leadership. Their teachings inspired attendees to embrace principles of truth and selflessness. The event fostered a spirit of patriotism and social responsibility.

Kanakadasa Jayanti was celebrated at RLJIT Institution to honor the legacy of the great saint and poet Kanakadasa. The event highlighted his contributions to Kannada literature, devotion, and social equality. Inspirational speeches shed light on his life and teachings, promoting values of unity and humility. The celebration fostered respect for cultural heritage and traditions.





EVENTS

Kannada Rajyotsava was celebrated with great enthusiasm at RLJIT Institution, honoring the rich culture and heritage of Karnataka. The event highlighted the pride and unity of Kannadigas, fostering a spirit of togetherness. Vibrant decorations and patriotic speeches added to the festive atmosphere.





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Campus Visit



The staff and students of Enlight Degree College, Hindupur, visited R.L. Jalappa Institute of Technology. During the visit, the students and staff explored the campus, gaining insights into the facilities and academic environment. They gave positive feedback and expressed interest in joining RLJIT for their further degree and education.



INAUGURATION OF CSE HUB



The Department of CSE (Data Science), in collaboration with the Departments of Computer Science and Engineering (CSE) and CSE (AI & ML), jointly inaugurated the club "CSE HUB" on 26th October 2024. The inauguration was graced by the Chief Guest, Dr. Sreekant Jere, along with the Principal, Dr. P. Vijayakarthish; the Director (R&D and Quality Academics), Dr. Sreenivasa Reddy M; the Vice Principal, Dr. Shiva Prasad K M; Dr. Mrutyunjaya M S, Convener and HOD of CSE (Data Science); Dr. Sunil Kumar R M, HOD of CSE; Dr. Manjunatha B N, HOD of CSE (AI & ML); and Dr. Anil Kumar C, HOD of ECE. Various activities were also conducted as part of the event, including a technical talk on emerging trends in data science and AI. The event provided a platform for students to explore and enhance their knowledge in these fields, encouraging innovation and collaboration among different departments. Students actively participated in the discussions, gaining valuable insights into the latest advancements in technology.



FACULTY DEVELOPMENT PROGRAM



The Department of CSE (Data Science), in collaboration with the Department of CSE, conducted an AICTE Training and Learning (ATAL) sponsored Faculty Development Program (FDP) on “Exploring Emerging Technologies in Next-Gen Communication Networks” from 25th Nov to 30th Nov 2024. The FDP received an overwhelming response, attracting 230 participants from various AICTE-recognized institutions across different states in India. The program aimed to provide faculty members with insights into the latest advancements in communication technologies, including 5G, IoT, and AI-driven communication systems.

The event was coordinated by Dr. Mrutyunjaya M S, Head of the Department of CSE (Data Science), and Dr. Sunil Kumar R M, Head of the Department of CSE. The sessions were delivered by renowned experts in the field, who shared their knowledge on the future of communication networks and their impact on various industries. The FDP fostered collaboration and knowledge-sharing among educators, helping them integrate these emerging technologies into their teaching methodologies.



FACULTY DEVELOPMENT PROGRAM



A two-day online Faculty Development Program (FDP) on Advanced Pedagogy Techniques was conducted by Dr. Rajashekar Patil, Director of Quality Assurance. The program focused on innovative teaching methodologies to enhance classroom engagement and student learning outcomes. Participants were introduced to cutting-edge tools and strategies for effective curriculum delivery. Dr. Patil emphasized the importance of integrating technology into teaching practices to meet modern educational challenges. The sessions were interactive, encouraging participants to share their experiences and insights. Overall, the FDP provided valuable knowledge and skills to educators for implementing advanced pedagogical techniques.



EVENTS



Blood Donation Camp



A Mega Blood Donation Camp was organized by the Lions Club Doddaballapur on the occasion of the Jalappa Sir Memorial Event, held on Saturday, December 14. The event received an overwhelming response from the community, with numerous volunteers coming forward to donate blood in honor of Jalappa Sir's legacy. The camp aimed to raise awareness about the importance of blood donation and its vital role in saving lives. It was a remarkable initiative that brought together people from all walks of life, highlighting the spirit of giving and social responsibility. The Lions Club, along with the volunteers, ensured a smooth and successful event, making a significant impact on the local community.



GLOBAL ALUMNI MEET



The Global Alumni Meet was organized by the RLJIT Alumni Association for the alumni of RLJIT. This event provided a platform for former students to reconnect, share their experiences, and discuss the growth and progress of the institute. It was an excellent opportunity for alumni to network with each other, as well as with current students and faculty members. The meet featured insightful sessions, memorable interactions, and plans for future collaborations. The RLJIT Alumni Association continues to strengthen its bonds with graduates worldwide, fostering a strong sense of community and pride among its members.



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INTERNATIONAL ACCREDITATION



RLJIT has been accredited with the prestigious GOLD Rating in International Accreditation QS I-Gauge under the visionary leadership of Dr. M. Sreenivasa Reddy, the Director of the institute, and the dedicated efforts of the QS I-Gauge Coordinator, Mr. Iliyaz Pasha. This recognition highlights the institute's commitment to maintaining high educational standards, fostering academic excellence, and ensuring quality in all its programs. The GOLD rating is a testament to the infrastructure, faculty, research output, and student support systems at RLJIT. With this achievement, the institute has reinforced its position as a leader in higher education, attracting national and international recognition





FACULTY ACHIEVEMENT



In July, Dr. P. Vijayakarthish, Principal, and Dr. Shivaprasad K.M., Vice Principal, applied for funding of ₹36 lakhs under the NCSDC scheme of DST. Out of over 5,000 proposals submitted from across India, their proposal, titled "Professional Development Unlocking Career Potential and Personal Growth," was selected for presentation at IIT Delhi. Dr. P. Vijayakarthish delivered the presentation exceptionally well, earning appreciation from the Apex Committee members.





FACULTY ACHIEVEMENT

Dr. P. Vijayakarthish, Principal, received a Certificate of Appreciation from Chiraruni Kannadamba Horata Samiti in recognition of his outstanding service in the field of education. This certificate was presented during a ceremony held on Sunday, 6th October 2024, at Doddaballapura.



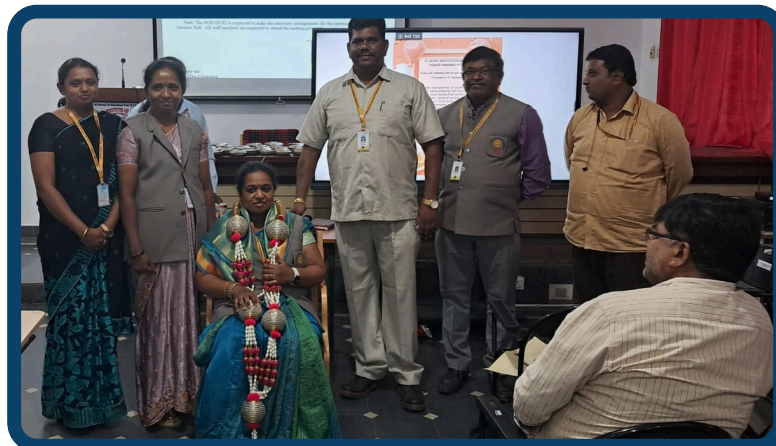
Dr. Sunilkumar K, Associate Professor and Head of the Department of Mechanical Engineering, delivered an inspiring motivational speech to 1,200 students in Bengaluru. We are extremely proud to have such a powerful motivational speaker in our organization. Dr. Sunilkumar has received over 70 prestigious awards and has delivered more than 100 motivational talks to date, positively impacting countless individuals.





FACULTY ACHIEVEMENT

Ms. Lavanya Vaishnavi, Assistant Professor Department of E&CE received the Best Innovative Teacher award for the year 2024. She was honoured and appreciated by our Vice Chairman for her outstanding contributions to teaching and her creative approach to education. Her innovative methods in the classroom have inspired and motivated students to think critically and explore new ideas. Ms. Vaishnavi's dedication to enhancing the learning experience and her commitment to academic excellence have earned her this well-deserved recognition. This award reflects her passion for fostering a dynamic and engaging educational environment.





FACULTY ACHIEVEMENT

In 2024, Dr. Murthy D H R reached key milestones in his career. He was selected as a local fellow for INSIG 2024 at the Indian Institute of Management, Bangalore, where he received a certificate from Mr. Dhruv Dhody, a researcher with IETF and IAB. On November 5th, he delivered a Cyber Security Awareness talk at the National Institute of Fashion Technology, Bangalore, as part of the Government of India's vigilance campaign. As a core committee member of ISOC Bengaluru, he was invited to the graduation ceremony of the Designing and Deploying Computer Networks course on November 19th in Coimbatore.

Additionally, Dr. Murthy led a session on "Importance of Encryption in the Digital Era" at Bapuji Institute of Engineering and Technology, Davangere, on November 17th. His work highlights his commitment to cybersecurity, internet governance, and technological awareness.





FACULTY ACHIEVEMENT

**Faculty Achieving 100% Results
Academic Year 2023-24 (Even Semester)**

Department of Computer Science & Engineering

Ms. Rekha M. S.
Mrs. Veena K.
Mr. Sukhatheertha

Department of Electronics & Communications Engineering

Dr. Shivaprasad K. M.
Mrs. Shilpakala V.

Department of Mechanical Engineering

Dr. Sunil Kumar K.
Dr. Kumara Swamy J.
Dr. Lokesh Yadav B. R.
Dr. Gowrishankar T. P.
Mr. Vinay A N

Department of Allied Science

Ms. Sujatha V.
Ms. S. R. Kavya
Mr. Govindaraju
Ms. Anusha

Department of MBA

Ms. Sowjanya N. S.
Mrs. Vijayalakshmi S. V

Congratulations on this achievement!!



DEPARTMENT OF CSE

Fresher's Day Celebration - Ekatha



The Freshers' Day celebration for the 3rd-semester CSE students is a lively event organized by the senior students to welcome the new batch. The festivities include a variety of exciting activities such as cultural performances, games, and interactive sessions, providing a platform for both juniors and seniors to connect and bond. This celebration aims to create a warm and inclusive atmosphere, helping the new students feel a sense of belonging. "Ekatha," the name of the fest, symbolizes unity and togetherness, marking a memorable start to the academic journey and encouraging students to showcase their talents.



FACULTY ACHIEVEMENTS

Mr. Shankar N B Associate professor and Mr. Praveen S R Assistant Professor published a paper in the Elsevier journal Results in Surfaces and Interfaces titled "Machine Learning and Taguchi Techniques for Predicting Wear Mechanisms of Ni-Cu Alloy Composites". <https://doi.org/10.1016/j.rsurfi.2024.10030>

Dr. Mamatha C.M., a professor in the CSE Department, has been invited as a resource person to deliver an expert talk on "Cyber Threats in India" at Sai Vidya Institute of Technology.

Mrs. K. Veena, Assistant Professor in the Department of Computer Science and Engineering, published a paper titled "Intercropping System Optimization Using Python-Based Goal and Fuzzy Goal Programming" <https://doi.org/10.1007/942979-024-03368-1>.



MTech Orientation Program

The MTech Orientation Program was conducted for first-year MTech students to provide a smooth transition into their postgraduate studies. The program included an introduction to the curriculum, academic policies, and faculty members. Students were familiarized with campus facilities, research opportunities, and career services. Sessions on research projects, internships, and personal development were also conducted, alongside workshops to enhance soft skills like communication and leadership. The program aimed to equip students with the necessary tools for academic success, while fostering networking and collaboration within the MTech community.





DEPARTMENT OF CSE(AI & ML)

STUDENT DEVELOPMENT PROGRAMME

The Department of CSE (Artificial Intelligence & Machine Learning) organized a three-day workshop on Blockchain Technology, Artificial Intelligence (AI), and Career Opportunities at the Central Computing Lab. The workshop aimed to provide participants with insights into emerging technologies like Blockchain and AI, and their impact on the job market and career opportunities. The event was attended by III semester and V semester students who were eager to explore the future of technology and the career prospects in these fields.





FRESHERS DAY

Ignite Fiesta

The Ignite Fiesta was an exciting and vibrant fest organized by the students of the AI & ML (Artificial Intelligence and Machine Learning) branch at RLJIT. The event brought together students from various departments to celebrate talent, creativity, and technological innovation.

The fest featured spectacular performances, including dance, ramp walks, and song performances, along with a banner launch that showcased the diverse talents of the student community. Ignite Fiesta was designed to provide a fun-filled day, offering students a break from their academic routines while giving them an opportunity to demonstrate their skills beyond the classroom.





STUDENT ACHIVEMENTS

Mr. Rishab Reddy T.R., a student of the Department of CSE (AI & ML), has successfully completed three NPTEL online certification courses – Cloud Computing, Ethical Hacking, and Programming in Java.

Ms. Pamisetty Likhitha, a student of the Department of CSE (AI & ML), has successfully completed the NPTEL online certification course in Programming in Java.

Ms. Palleni Harika, a student of the Department of CSE (AI & ML), has successfully completed the NPTEL online certification course in Programming in Java.

FACULTY ACHIEVEMENTS

Ms. Nidhi Singh M., Assistant Professor, Department of CSE (AI & ML), has successfully completed the NPTEL online certification course in Cyber Security and Privacy.

Ms.R. Varshini, Programmer, Department of CSE (AI & ML), has successfully completed the NPTEL online certification course in Programming in Java.



DEPARTMENT OF CSE(DATA SCIENCE)

The Department of CSE (Data Science) hosted a technical talk titled “Building Blocks of Computing: How Operating Systems and Hardware Work Together” on October 18, 2024. The keynote speaker, Mr. Siva Raghavendra K., shared insights into the integration of hardware and operating systems. He discussed key concepts like memory management, system resource allocation, and I/O handling. The session provided valuable knowledge on how these elements work together to optimize performance in modern computing.



The Department of CSE (Data Science) organized a technical seminar titled “The Data-Driven Revolution: Navigating the Future with Data Science” on 26th Oct, 2024. The keynote speaker was Dr.SreekantJere, Associate Manager and Decision Science Practitioner at Accenture India. The program was inaugurated by the Chief Guest, Dr.SreekantJere, along with the Principal, Dr.Vijayakarthish P; the Director (R&D and Quality Academics), Dr.Sreenivasa Reddy M; the Vice Principal, Dr. Shiva Prasad K M; and various Heads of Departments.





FRESHERS DAY

The Department of CSE (Data Science) organized an exciting Fresher's Day event, "Aurora Fiesta," on November 31, 2024, to welcome the new batch of first and third-semester students. The event aimed to create a vibrant atmosphere for students to interact, bond, and get familiar with the department. It featured a series of fun activities, cultural performances, and icebreaker games, designed to foster a sense of community among the students. The students were also introduced to the various academic opportunities and student support services available. The event was a perfect blend of entertainment and orientation, setting a positive tone for the academic year ahead. With enthusiastic participation, "Aurora Fiesta" marked the beginning of an exciting journey for the new students at the Department of CSE (Data Science).

Aurora Fiesta





PLANTATION DRIVE



The Department of CSE (Data Science) organized a plantation drive and plant adoption event on the occasion of Children's Day, 14th Nov, 2024. The event was coordinated by Prof. Mr. Shashi Prasad K N. Students and faculty members actively participated in planting saplings around the campus, promoting environmental awareness. The event aimed to encourage sustainability and instill a sense of responsibility towards nature among the participants.





FACULTY ACHIEVEMENTS

Dr. Mrutyunjaya M. S., Head of the Department of Data Science, published a patent titled "AI-Enabled Marine Animal Recognition System" on October 16th.

(19) INDIA	(43) Publication Date : 04/10/2024
(22) Date of filing of Application :21/09/2024	
(54) Title of the invention : AI ENABLED MARINE ANIMAL RECOGNITION SYSTEM	
(51) International classification :G06V0010820000, G06N0003080000, G06V0010750000, G06F0018240000, G06T0007000000	(71)Name of Applicant : 1)NEW HORIZON COLLEGE OF ENGINEERING Address of Applicant :New Horizon Knowledge Park, Marathalli, outer ring road, Bengaluru Bengaluru ----- Name of Applicant : NA Address of Applicant : NA
(86) International Application No :NA Filing Date :NA	(72)Name of Inventor : 1)Dr. Sanjeev Prakashrao Kaulgud Address of Applicant :Associate Professor, Dept. of Artificial Intelligence and Machine Learning Engineering, New Horizon College of Engineering, Marathalli outer ring road, Bengaluru- 560103. Bengaluru ----- 2)Dr. Sonia Maria D'Souza Address of Applicant :Associate Professor, Dept. of Artificial Intelligence and Machine Learning Engineering, New Horizon College of Engineering, Marathalli outer ring road, Bengaluru- 560103. Bengaluru ----- 3)Dr. B. Meenakshi Sundaram Address of Applicant :Professor, Dept. of Artificial Intelligence and Machine Learning Engineering, New Horizon College of Engineering, Marathalli outer ring road, Bengaluru- 560103. Bengaluru -----
(87) International Publication No : NA	4)Dr Mrutyunjaya M S Address of Applicant :Staff Quarters, RLJIT, Doddaballapura-561203 Bengaluru -- -----
(61) Patent of Addition to Application Number :NA Filing Date :NA	5)Dr. Prabhuraj Metipatil Address of Applicant :Staff Quarters, REVA University Campus, Yelahanka, Bengaluru - 560064 Bengaluru -----
(62) Divisional to Application Number :NA Filing Date :NA	
(57) Abstract : This study presents a comprehensive approach to animal image classification, beginning with image preprocessing techniques such as noise reduction, normalization, and resizing to enhance data quality and consistency. The process continues with image feature extraction using ResNet50, which isolates key attributes like edges and textures for compact representation. Machine learning models are then employed to classify animals based on these visual features, with a specific focus on identifying aquatic animals. When an aquatic animal is detected, the system cross-references the Aquatic Animal Database to retrieve and display relevant information, including	





DEPARTMENT OF E&CE

STUDENT DEVELOPMENT PROGRAM

The Department of Electronics and Communication Engineering at R.L. Jalappa Institute of Technology organized an expert talk as part of its "FiberTech Insights" series on 09/12/2024, from 11:00 AM to 1:00 PM. Mr. Sunil Kumar BS was the guest speaker, and the session focused on advanced topics in optical communication systems, including optical sources, detectors, and Wavelength Division Multiplexing (WDM) concepts. The session aimed to enhance the understanding of pre-final-year students regarding cutting-edge technologies and their practical applications in the field of optical communications.

Flameless Cooking

The Department of ECE conducted a Flameless Cooking Competition for 3rd semester students as part of the SCR activity. The event was convened by Mrs. Shilpakala V, Associate Professor, Department of ECE.





FRESHERS DAY

Aathiya



The Department of E&CE conducted a vibrant fest, Aathiya, for the freshers. The event was designed to welcome the newcomers and help them integrate into the academic and social culture of the department. It featured a series of fun-filled activities, including games, cultural performances, and talent showcases, allowing the freshers to display their creativity and energy. The fest also included interactive sessions, where seniors shared valuable insights and experiences to guide the newcomers. Aathiya fostered a sense of camaraderie and teamwork among the students, setting a positive tone for their academic journey ahead. It was a day of celebration, excitement, and memorable moments for all participants.



FACULTY ACHIEVEMENTS

- Dr. Madhuchandra G, Associate Professor, has successfully completed the NPTEL Online Certification course on "Digital Image Processing" for the period of Jul-Oct 2024.
- Ms. Aarthi, Assistant Professor, has successfully completed the NPTEL Online Certification course on "Electronic Systems for Cancer Diagnosis" for the period of Jul-Oct 2024.
- Dr. Anil Kumar C, Associate Professor and HoD, has successfully completed the NPTEL Online Certification course on "Introduction to Machine Learning" for the period of Jul-Oct 2024.
- Dr. Harish S, Associate Professor, has successfully completed the NPTEL Online Certification course on "Introduction to Machine Learning" for the period of Jul-Oct 2024.
- Ms. Lavanya Vaishnavi D.A., Assistant Professor, has successfully completed the NPTEL Online Certification course on "Introduction to Machine Learning" for the period of Jul-Oct 2024.
- Dr. Anil Kumar C contributed as a key organizer in executing the workshop on "AI for Students: Build Your Own Generative AI Model," conducted by AI expert Mr. Abhinav Devaguptapu on 22nd October 2024.



DEPARTMENT OF MECHANICAL ENGINEERING

One-day workshop on “Supply Chain Management” by Mr. Ajay Kumar G K, Assistant Manager-Procurement, Tecnicas Reunidas, Bahrain. The session covered key aspects of procurement strategies, inventory management, and the latest trends in supply chain optimization. Participants gained valuable insights into enhancing efficiency and streamlining operations within their organizations.



One-day workshop on “Challenges in Facing Competitive Examinations” Mr. Manjunatha J, Professional Trainer, held on 25/11/2024. The session provided effective strategies for managing time, stress, and improving performance in competitive exams. Mr. Manjunatha shared tips on enhancing focus, developing a systematic study plan, and tackling common exam-related challenges. Participants left with practical tools and motivation to boost their preparation and confidence for upcoming exams.





FRESHERS DAY



Freshers' Day party was held in the ME Seminar Hall, marking a warm welcome for the new students. The event featured a variety of fun-filled activities, including music, games, and interactive sessions, designed to help freshers bond with their peers and seniors. The highlight of the event was a lively dance performance, followed by engaging icebreaker sessions. Senior students shared valuable tips and experiences to help the newcomers settle in and navigate their academic journey. The event left everyone with fond memories and new friendships.



FACULTY ACHIEVEMENTS

- Dr M. Sreenivasa Reddy, Director - Quality in Academics and R&D, served as a Session Chair at the 5th International Conference on Recent Advances in Engineering Sciences (ICRAES 2024), organized by M S Ramaiah Institute of Technology, Bengaluru, on 14th and 15th November 2024.
- Dr. Kumaraswamy J, Associate Professor, Department of Mechanical Engineering, has reviewed 11 papers for the Materials and Sustainability journal published by MDPI during the period 2022–2024. His contributions have significantly helped improve the quality of the journal.
- In addition, Dr. Kumaraswamy has been recognized for his exceptional work as a reviewer in the following prestigious journals:
 1. Journal of Mines, Metals and Fuels – For his outstanding contributions in enhancing the quality of the journal.
 2. Journal of Discover Mechanical Engineering (Springer) – For his dedication to improving the journal's quality through his insightful reviews.
 3. Journal of Scientific Reports (Springer) – In recognition of his significant role in maintaining the high standards of the journal.



Dr. Kumaraswamy J
Associate Professor
Department of Mechanical Engineering

SCI-Indexed Publication

[1] J. Kumaraswamy, Thirumalesh, A.S. Ashok, Shankar N. B., Praveen S. R., Sukhateertha. Research article on thermal evaluation of Al-Si₃N₄ composites using Machine Learning. *Materials Today Communications*, Elsevier, Vol. 41, 2024, 110859. IF = 3.7, ISSN 2352-4928. <https://doi.org/10.1016/j.mtcomm.2024.110859>.

SCOPUS-Indexed Publications

[1] J. Kumaraswamy, L. Bharath, K.C. Anil, T.M. Geetha, R. Nagesh. Results in mechanical properties and wear behaviour of AA6061-Si₃N₄ composites. *Results in Surfaces and Interfaces*, Elsevier, Vol. 18, 2024, 100376. ISSN 2666-8459, Q2, Impact Factor = 3.8. <https://doi.org/10.1016/j.rsurfi.2024.100376>

[2] J. Kumaraswamy, Thirumalesh, A.S. Ashok, Shankar N. B., Praveen S. R. Machine learning and Taguchi techniques for predicting wear mechanisms of Ni-Cu alloy composites. *Results in Surfaces and Interfaces*, Elsevier, Vol. 17, 2024, 100307. ISSN 2666-8459. <https://doi.org/10.1016/j.rsurfi.2024.100307>

[3] L. Bharath, J. Kumaraswamy, T.V. Manjunatha, Suchendra K.R. Investigation on Microstructure and Wear Study on Al-Zn-Mg Alloy Hybrid Composites Fabricated Through Die Casting Process. *EVERGREEN: Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy*, Vol. 11, Issue 04, pp. 1-13, December 2024.

Book Chapter (SCOPUS-Indexed)

[1] Kumaraswamy, J., et al. (2024). Design and Analysis of Gudgeon Pin to Minimize Stress Concentration by Selecting Different Material Through FEA. In: Deepak, B.B.V.L., Bahubalendruni, M.R., Parhi, D., & Biswal, B.B. (Eds.), *Recent Advancements in Product Design and Manufacturing Systems, IPDIMS 2023. Lecture Notes in Mechanical Engineering*, Springer, Singapore. https://doi.org/10.1007/978-981-97-6732-8_30



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DEPARTMENT OF ALLIED SCIENCES



Mrs. Meenakshi H., Assistant Professor, Department of Allied Sciences, took over the role of Head of the Department of Allied Sciences on the 14th of October, 2024.

EDUCATIONAL VISIT

The Allied Science Department organized an educational visit to Dr. H. Narasimhaiah Science Park for I semester students on 25th October 2024, with 340 students participating. Established in memory of Padma Bhushan Dr. H. Narasimhaiah and supported by KSTePS, the Department of Science and Technology, and Chikkaballapur District Administration, the park is located near Hossur village in Gauribidanur Taluk.

The park features outdoor exhibits, the Human Evolution gallery, Space gallery, Fun Science gallery, a mini planetarium, and an auditorium, aiming to inspire scientific curiosity and innovation among students and the public.





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PERSONAL HYGIENE PROGRAM

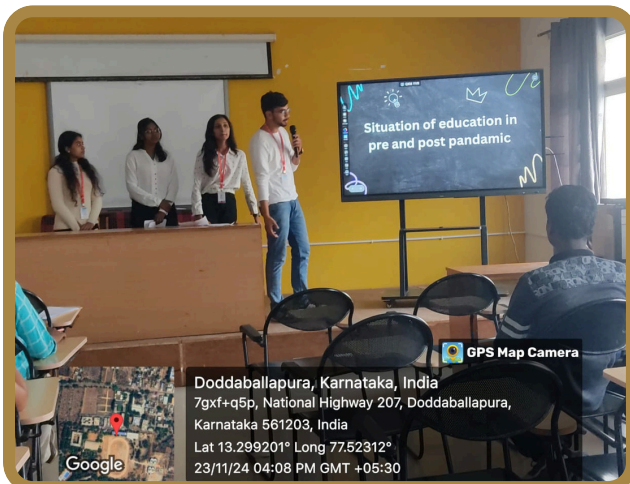
The Department of Allied Sciences and the Women Empowerment Cell organized an awareness program titled "Perception for Girls on Personal Hygiene" on 21st November 2024 at 9:30 AM. The session was addressed by the chief guest, Dr. Manjula Yuvraj, in the presence of the Vice-Principal, Director of Quality in Academics and (R&D), Heads of various departments, faculty members, and students.





IDEA PRESENTATION

The Allied Science department organized an "Idea Presentation" competition for the students of I semester on 23rd November 2024,. The students are presented their innovative ideas to their peer, judges and teachers. This was an opportunity for students to showcase their creativity, critical thinking and problem-solving skills. This event was encouraging students to think creatively and develop the thought process of thinking about the innovative solutions of the real-world problems. The students worked in groups to brainstorm research and develop their ideas. A total of 13 groups were presented their ideas, which were diverse and innovative.





FACULTY ACHIEVEMENTS

- Dr. Thirumalesh published a paper in the Elsevier journal Results in Surfaces and Interfaces titled "Machine Learning and Taguchi Techniques for Predicting Wear Mechanisms of Ni–Cu Alloy Composites".
<https://doi.org/10.1016/j.rsurfi.2024.100307>
- Mr. Ashok A.S. published a paper in the Elsevier journal Results in Surfaces and Interfaces titled "Machine Learning and Taguchi Techniques for Predicting Wear Mechanisms of Ni–Cu Alloy Composites".
<https://doi.org/10.1016/j.rsurfi.2024.100307>
- Mr. Ashoka A.S., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Research Methodology".
- Mr. Madhu N.R., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Matrix Analysis with Applications"
- Mrs. Reshma S.R., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Matrix Analysis with Applications".



FACULTY ACHIEVEMENTS

- Ms. Anusha K., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Matrix Analysis with Applications".
- Mrs. Sujatha V., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Municipal Solid Waste Management".
- Mrs. Hemalatha B.R., Assistant Professor, Department of Allied Sciences, has successfully completed the NPTEL online certification course titled "Municipal Solid Waste Management".



DEPARTMENT OF MBA



A 2-day orientation program for first-semester MBA students was held, featuring key speakers including Dr. M.K. Purushothama, Principal and Professor, Department of Commerce and Management at VSIMS, Bengaluru, and Arshitha N, Regional Head (South Zone) of Saraswati Seva Foundation. The program provided an introduction to the MBA curriculum, campus facilities, and academic resources. It included networking sessions, workshops on personal development, career guidance, and insights on leadership and social responsibility. Students also received valuable advice on building successful careers and adapting to a globalized academic environment.



FACULTY ACHIEVEMENTS

Mr. Shashiprasad K.N., Assistant Professor in the Department of MBA, attended a 6-day ATAL FDP (Faculty Development Program) on Design Thinking and Innovation, organized by St. Claret College. The program aimed to enhance faculty members' understanding of innovative teaching methodologies and design thinking principles. It focused on equipping participants with practical tools to foster creativity and problem-solving in academic settings. Through interactive sessions, workshops, and case studies, Mr. Shashiprasad gained valuable insights into the application of design thinking in education and its role in driving innovation in business management. This experience will contribute to enhancing the learning environment for MBA students.





NATIONAL SERVICE SCHEME

NSS (National Service Scheme) activity was conducted at the RLJIT campus, focusing on both plantation and campus cleaning. Students actively participated in planting saplings in various parts of the campus, contributing to the beautification and greening of the environment. Along with the plantation, volunteers took part in cleaning outdoor areas, removing litter, and ensuring proper waste disposal. The initiative aimed to promote environmental sustainability and raise awareness about the importance of maintaining a clean and green campus. The activity was well-received by students, fostering a sense of responsibility towards nature and the community.





DEPARTMENT OF PHYSICAL EDUCATION



The RLJIT volleyball team participated in the VTU Inter-Collegiate Bengaluru North Division Women's Volleyball Tournament held at Sai Vidya Institute of Technology. The team demonstrated exceptional teamwork and enthusiasm, competing with determination against other talented teams in the division.



The RLJIT volleyball team participated in the KREEDOTSAVA State-Level Inter-Collegiate Sports Fest organized by BMS College of Engineering. The team displayed excellent teamwork and competitive spirit while competing with top teams from various colleges across the state, showcasing their dedication and passion for the sport.



DEPARTMENT OF PHYSICAL EDUCATION



The RLJIT Kabaddi team participated in the VTU Bengaluru North Zone Kabaddi Tournament held at SJCIT. The team showcased great spirit, determination, and sportsmanship throughout the competition, competing against some of the best teams in the zone. Their participation not only highlighted their skills but also reflected their commitment to excelling in sports alongside academics.



TRAINING AND PLACEMENTS

Various training sessions were conducted for students from different companies to create awareness about the GATE and JAM exams by IISc Bengaluru, LinkedIn Career Kickstarter program by Faceprep, Global Quest Technologies, GTEC, JainX Education campus drive, incubation internship drive, TAP Academy drive, SEBI, Workshop Campus Recruitment Drive by Tandemloop Technologies, and Technocart Recruitment Drive by Technocart.

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VARSHITH P
1RL20CS099

SQL DEVELOPER
3 LPA

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1RL21CS089

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1RL19CS072



Varun Gowda M
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P Tejeswara Reddy
1RL21CS391



Rachana L Kumar
1RL21CS092



Manasha Devi D
1RL21CS063



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1RL21CS076



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1RL22CS401



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Shabbhathree N
1RL21CS107



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HoD, Department of CSE (AI & ML)

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