



|| Sri. Devaraj Urs Educational Trust(R.) ||

R. L. JALAPPA INSTITUTE OF TECHNOLOGY



(Approved by AICTE, New Delhi | Accredited by NAAC with A Grade | Affiliated to Visveswaraya Technological University, Belagavi)
Kodigehalli, Doddaballapur 561203, Bengaluru Rural District, Karnataka, India.

e-News Letter



Saadhana

July to September 2024

website: <https://rljit.in>

DEPARTMENT OF ALLIED SCIENCES

The students' Induction Programme was planned from 17th September to 28th September 2024, at ECE Seminar Hall. The Program was inaugurated with great enthusiasm and spirit by the Chief Guest Smt. Urmimala Sarkar, Director – Campus Recruitment, NTT DATA, Bengaluru, Presided by Dr. P Vijay Karthik, Principal RLJIT. Dr. Thirumalesh, HoD, Department of Allied Sciences, welcomed all the Students, Parents & Staffs to the program. Mr. Babu Reddy N S Director HR&M, RLJ group of institutions, Dr. M Srinivasa Reddy, Director - Quality in academics and R&D, Dr. Shivaprasad K M, Vice-Principal RLJIT, All HoD's, Teaching and Non-Teaching staff and students actively took part in the event.



RESEARCH PUBLICATIONS

* Dr.Thirumalesh published a paper in an Elsevier journal "Results in Surfaces and Interfaces", with title "Machine learning and Taguchi techniques for predicting wear mechanisms of Ni-Cu alloy composites".

* Mr. Ashok A S published a paper in an Elsevier journal "Results in Surfaces and Interfaces", with title "Machine learning and Taguchi techniques for predicting wear mechanisms of Ni-Cu alloy composites".

NPTEL COURSES

FACUTLY NAME	COURSE COMPLETED
Mr. Ashoka A S Assistant Professor	Research Methodology
Mr. Madhu N R Assistant Professor	Matrix Analysis with Applications
Mrs. Reshma S R Assistant Professor	Matrix Analysis with Applications
Ms. Anusha K Assistant Professor	Matrix Analysis with Applications



FACULTY DEVELOPMENT PROGRAMMES


* Prof. Ms. Kavya S R, has attended One Week Faculty Development Programme on Automation and Analysis organised by Department of mechanical engineering H.K.E. Society's Sir M Visvesvarayya College of Engineering Raichur held during 1st July 2024 to 5th July 2024.

* Prof. Sujatha V, has attended National Level One week FDP on "Research Methodology" organised by IQAC, Kamla Nehru Mahavidyalaya, Nagpur held during 22nd July to 27th July 2024.

* Prof. Meenakshi H has attended 5 Days FDP on "Connecting Theory and Emerging Research with Applied Technologies" organized by Amity School of Engineering & Technology, Patna during 22nd July 2024 to 26th July, 2024.

* Prof. Sujatha V, has attended Webinar on "Principles of outcome based Education" organised by vmedulife held on 16th July 2024.

* Prof. Kavya S R has attended National level FDP On "EV Technology: Battery Modeling, Sensors, BMS, Motors, and E-Bus Charging" organized by Department of Electrical and Electronics Engineering, VVIET, Mysore held during 12th August 2024 to 17th August, 2024.



DEPARTMENT OF CS&E (AI & ML)

Conducted 3 Days Student Development Program (SDP) on "AI Algorithm Design & SQL Integration" on 22/07/2024 to 24/07/2024. Totally 110 students participated in the same.



One day Induction Program was conducted for the first year students on 29/08/2024 by all the Teaching staffs of AIML Department.

Conducted 3 Days Student Development Program (SDP) on "AI Algorithm Design & SQL Integration" on 22/07/2024 to 24/07/2024. Totally 110 students participated in the same.



RESEARCH PUBLICATIONS

* Dr. Manjunatha B N published a paper A Comprehensive Study of Application Domains of IoT and AI in Horticulture: A Case Study of Plant Leaf Disease Detection and Classification using CNN.

FACULTY DEVELOPMENT PROGRAMMES

* Prof. Rekha K P, has attended Three days Faculty Development Program on "Data Visualization with PowerBI and Tableau" organised by Sai Vidya Institute of Technology during 12/09/2024 to 14/09/2024

* Prof. Nidhi Singh M, has attended Two day faculty development programme on Smart Cities and Mobilities organised by Jyothy Institute of Technology during 9/08/2024 to 10/08/2024

DEPARTMENT OF E&CE

PATENTS FILED

* Dr.Anil Kumar C has filed a Indian Design Patent title “ COLD WATER VENDING MACHINE”

BOOK PUBLISHED

* Emerging Trends in Multidisciplinary Science and Technology” (ISBN: 978-81-974501-4-3) through our publication Scientific Research Reports, Chennai, India.

RESEARCH SCHOLARS

Following Research Scholars has taken P.HD. Admission during present academic year.

1. Amshu Vinaya T
2. Anil Kumar R
3. Sunil Kumar B S

INDUSTRIAL VISIT



* Finay year students of ECE Department has visited Bharat Heavy Electricals Limited (BHEL), Bengaluru.

STUDENT DEVELOPMENT PROGRAMME



“Awareness on GATE and JAM Exam” On October 7, 2024, the Department of Electronics and Communication Engineering (ECE) organized a seminar at the ECE Seminar Hall, which drew an enthusiastic attendance of approximately 100 students. The event was inaugurated by esteemed person Dr. P Vijayakarthish and Dr. Anil Kumar and, setting a tone of academic excellence and professional insight. The seminar was designed to provide valuable information and guidance regarding the Indian Institute of Science (IISc), as well as the Graduate Aptitude Test in Engineering (GATE).

STUDENT ACHIEVEMENT



Mr. S Prashanth Kumar USN: 1RL21EC092 received a cash prize of 5000/- for his Excellence in Academics for the year 2023-24 from Department of Placement and Training.

FACULTY ACHIEVEMENTS



Prof. .Shilpakala working as Associate Professor in the Department of ECE has submitted her Ph.D thesis title "Design and Validation of Reference Model of 60Ghz Communication Systems".



Prof. Lavanya Vaishnavi D A working as Assistant Professor in the Department of ECE has successfully cleared the Course Work under VTU.

RESEARCH PUBLICATIONS

* Dr. Sunil Kumar K published a paper on "Effect of Silicon Carbide Particulates on Mechanical Behavior of Al5052 Alloy Metal Matrix Composites for Mining Applications" in *Journal of Mines, Metals and Fuels* *Journal of Mines, Metals and Fuels*, 72(8): 893-904; 2024.

* Dr. Hanumanthe Gowda has published a paper on "An Experimental Investigation on Effect of B₄C/CeO₂ Reinforcements on Mechanical, Fracture Surface and Wear Characteristics in Al7075 Hybrid Metal Matrix Composites" Hanumanthe Gowda Published in *INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING*, Volume 16, Issue 5, 2024, pp 100-113, ISSN 2229-838X

* Dr. Kumaraswamy J has published paper on "Experimental investigation of heat transfer rate for building roof with corrugated sheets using phase change material (PCM),"

* Dr. Kumaraswamy J has published paper on "Performance study and analysis of Al₂O₃ Nanofluid under different flow conditions."

* Dr. Kumaraswamy J has published paper on "Investigating run-in and steady-state wear mechanisms of Al-7075 alloy hybrid composite for brake rotor applications,"

* Dr. Kumaraswamy J has published paper on "Performance study and analysis of Al₂O₃ Nanofluid under different flow conditions."

RESEARCH PUBLICATIONS

Dr. Kumaraswamy J has published paper on "Evaluation of microstructure and prediction of hardness of Al-Cu based composites by using artificial neural network and linear regression through machine learning technique."

RESEARCH SCHOLARS

Following Research Scholars has taken P.H.D. Admission during present academic year under the supervision of Dr. Kumaraswamy J.

1. Rajesh C M
2. Asifullah M

INSTITUTION RECOGNITION



Received Best Department Award on Teachers Day, 05/09/2024.

FACULTY ACHIEVEMENTS

* Dr. M. SreenivasaReddy awarded with Best President, Lions Club of Doddaballapura R L Jalappa Institutions for the Lionstic year 2023-24 by Lions International, Dist. 317F.

* Dr. M. Sreenivasa Reddy delivered a session on " Goal Setting for a successful career building" as part of the Induction program for the students of I semester admitted for the academic year 2024-25.

* Dr. Sunil Kumar K has delivered ainvited talk on " Classroom to Corporate " for the 2nd ,3rd and 4th year students of Polytechnic Students at SJGIT ,Chikkaballapura on 09/08/2024 .

STUDENTS ACHIEVEMENTS



Mr. Pavankumar received a VTU gold medal for securing the 4th rank, as reported in the news paper.