



R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka, Accredited by NAAC with B+

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090



PRO-GEEKS – News Letter_2022-23

VOLUME 7

ISSUE 2

FROM THE PRINCIPAL DESK

“We cannot always build the future for our youth, but we can build our youth for the future.” Season’s Greetings to you! At RRIT, the students are made industry ready by imparting the skill sets that are required to be employed in multi- nationals. All the students are encouraged to participate in at least one curricular.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2008 from the inception of the college with an intake of 120.

VISION

- To arise as an excellent learning center in the field of Computer Science & Engineering by fostering a skilled, innovative professionals to build a strong nation.

MISSION

- To provide a conceptual foundation that caters the career required to adopt for changing technology in computer science.
- To bridge the gap between academics and the latest tools, technologies in the area of hardware and software.
- To set out co-curricular open doors for student’s participation in advancements and recent trends.
- To explore the potential and excel the students towards research to attain Novelty.

FROM HOD’S DESK

The Motto of our Department is 'Creativity, Hard work & Intelligence always pays'. Our Department of Computer Science & Engineering aims at providing Student Excellent knowledge about New Technologies. Students are well equipped to Publish Papers. We provide Students an opportunity to explore their interests in New technologies. It is indeed my great pleasure that our Department is publishing Newsletter etching every aspect of activities and events held in Academic session 2022-23 Even Semester.

FROM EDITOR’S DESK

Welcome to the Newsletter Edition!!
I am delighted to bring this 2022-23 Academic Session Newsletter.
Enjoy reading.....



Dr. Mahendra K
Principal, RRIT

Editorial Desk

Chief Editor

Dr. Manjunath R
Professor & Head
CSE Department, RRIT

Editor

Prof. Lakshmi Devi H M
Assistant Professor
CSE Department, RRIT

Student Members

Sharath R, 8th Semester
Tharun , 6th Semester
Yeshwanth, 4th Semester



Dr. Manjunath R
Professor & Head, RRIT

Department Activities

Sl. No.	Name of The Activity	Date	Resource Person
1	Awareness Program on “Digital India-Nasscom”	21/02/2023	Mr. Jayanth V VP-Trainer Rooman Technologies, Bangalore
2	Workshop on “IoT and Data Analytics”	03/04/23 & 04/04/23	Dr. Sreenivasa Setty Chief Technical Officer SST Technologies, Bengaluru
3	Seminar on “Intellectual Property Rights & Patent Procedure”	05/04/23	Dr. Ramesh Shahabadkar Professor , CSE Department AMC Engineering College, Bengaluru, Karnataka
4	Online Awareness Program on “GATE and IES Examination – Direct and Indirect Benefits”	10/04/23	Mr. Prakash Faculty VANI INSTITUTE Bengaluru, Karnataka
5	Workshop on “ “The Future of Automation with IoT & Cloud: A Hands-on Training Program ”	28/04/23 & 29/04/23.	Mr.Mohit Santhosh Technology Director and CTO,ParvaM Consul-tech Pvt Ltd
6	State Level Project Exhibition “TechNova-2023”	5/5/23	Prof. Narasimha Murthy Professor& Dean (Research) Christ University, Bengaluru
7	International Conference "Computer Science Allies & Technology in Research"	26/05/23 & 27/05/23	Mr. Chandra Bhushan Founder CBK InfoTech India Pvt Limited Bengaluru
8	Career Awareness Program on “ Higher Studies and Career Opportunities at Abroad” On 6th June 2023	6/6/23	Mr. Abhilash K Business Development Head, Nestlings Inc, Bangalore
9	Visit to “Waste Water treatment Plant” at Yelahanka	19/6 2023	Prof. Ranganathan B A Associate Professor Civil Department, RRIT, Banaglore

Student News

- ✓ Veeksha Got second place in 1st idea pitching competition on 3rd December 2022 by RR Institute of technology
- ✓ M S Swaroop and team Got 2nd place in HACK-A-CITY workshop & competition on 20th December 2022 organized by City Engineering college
- ✓ Manoj Gowda N and Team got 2nd place in Techno Utsav (Best innovative ideas) on 21st December 2022 Organized by R.L Jalappa Institute of Technology, Bangalore
- ✓ One Project Batches from final year received funds from Government KSCST
- ✓ One Project Batch received 1st prize from State Level Project Exhibition “TechNova 2023”

Department & Staff News

- ✓ Dr Manjunath R has published a paper titled “Vibration Based Fault Detection In Drone Using Artificial Intelligence” in Scopus Journal Turkish Online Journal of Qualitative Inquiry
- ✓ Dr. Manjunath R & team had filed and published patent named “Smart sensors based on hill area road maintenance in winter using the Internet of Things” In IPR India.
- ✓ Prof. Veena V & team had filed and published patent named “Text Summarization and Dimensionality Reduction using Machine Learning Approach” in IPR India.
- ✓ National Board of Accreditation Visited the department on July 10th, 11th and 12th 2022 and department is accredited for 3 years.
- ✓ Faculties have attended more than twenty-five Workshops, FDP’s & Seminars and submitted one Project Proposal.
- ✓ Faculties have published more than 15 papers in International & National Conferences/Journals.
- ✓ Faculties have conducted subject wise Quiz, group Discussions, Charts and Seminars.
- ✓ Faculties have organized 2 Technical Seminars, 1 Guest Lecture, 1 SDP, 1 International Conference, 1 Certificate Program, 1 Project Exhibition, 1 Workshop and 2 Visits.

International Journal Publication

- ✓ Lakshmidivi H M, Manjunath R, Phased array and its implementations for 5G Wireless Communication: A Review, International-JECSE (WOS), DOI:10.48047/INTJECSE/ V15I2.70 ISSN: 1308-5581 Vol 15, Issue 02 2023,
- ✓ Sowmya N, Automation And Monitoring Smart Kitchen Based On Iot, International Research Journal of Modernization in Engineering Technology and Science, Volume:05/ Issue:05/ May-2023, e-ISSN: 2582-5208, May-2023.
- ✓ Manjunath R, Smart Performance Evolution of Solar Water Heating System with PCM by using Deep Learning Approach, Electric Power Components and Systems (Taylor & Francis, Volume 51, Issue 14 (2023 June-2023
- ✓ Sowmya N, Veena V, Lakshmidivi H M, Manjunath R, Text Mining Using Natural Language Processing and Artificial Intelligence Algorithms, International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.10, Issue 7, page no.j706-j711, July-2023
- ✓ Shivakumar Swamy N, Preethi B S, Manjunath R, A Hybrid Deep Learning Model for Real-time Fatigue Prediction in Sports Utilizing GPS Data and Rate of Perceived Exertion, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.10, Issue 6, page no. ppk632-k638, June-2023
- ✓ Veena M S, Shobha Rani N R, Revathi B, Beneficial and Safe De-duplication for Block-Level Data in Public Clouds, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.10, Issue 7, page no.j712-j718, July-2023
- ✓ Shruthi S, Jyothi R, Manjunath R, A Framework for Transparency in Voting Systems Using Blockchain Technology, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.10, Issue 7, page no.j698-j705, July-2023.

- ✓ Shruthi S, Manjunath R, A Review on Deepfake Multimedia Data on Heterogeneous Filter Effects, International Journal Of Advance Research And Innovative Ideas In Education, e-ISSN: 2395-4396, Volume 9 Issue 4 2023
- ✓ Revathi B, Veena M S, Shobha Rani N R, Improve the Prediction of Functional Outcome in Ischemic Stroke Patient, International Journal Of Advance Research And Innovative Ideas In Education, ISSN:2349-5162, Vol.10, Issue 6, page no.k626-k631, June-2023
- ✓ Jyothi R, Shruthi S, Manjunath R, Next-Generation IoT Devices: Sustainable Eco-Friendly Manufacturing, Energy Harvesting and Wireless Connectivity, International Journal Of Advance Research And Innovative Ideas In Education, ISSN:2349-5162, Vol.10, Issue 5, page no.p436-p442, May 2023
- ✓ Sowmya N, Veena V, Lakshmidevi H M, Manjunath R, A Study on Text Mining Using Natural Language Processing and Artificial Intelligence Algorithms, International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.10, Issue 7, page no.j706-j711, July-2023
- ✓ Manjunath R, A Framework of MongoDB For Handling Big Data And Development of Mongosight For Providing Easy Operations, International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.10, Issue 6, page no.k619-k625, June-2023

Faculty Participation

Faculty Name	Date	Name of Program	Organization Name & Place	FDP/Workshop/Seminar
R Manjunath	14/11/2022	"Impressive Social Etiquette(manners Matters)"	Indian Institution of Management and Commerce	FDP
Prof Lakshmidevi H M	12-09-2022 to 16-09-2022	"Recent Trends and Advances in Machine Learning"	RV College of Engineering	FDP
Prof Jyoyhi R	10-04-2023 to 15-04-2022	Skill India & Data Analytics & Cloud Computing In Collaboration with Institution of Engineers	City Engineering College	FDP
Dr. Niranjan R Chougala	10-04-2023 to 15-04-2022	Skill India & Data Analytics & Cloud Computing In Collaboration with Institution of Engineers	City Engineering College	FDP
Dr. Shivakumar Swamy N	10-04-2023 to 15-04-2023	Skill India & Data Analytics & Cloud Computing In Collaboration with Institution of Engineers	City Engineering College	FDP
Prof Shruthi S	22-08-2022 to 27-08-2023	FDP on "Amazon Web Services"	SVCE	FDP
Prof Veena V	22-08-2022 to 27-08-2023	FDP on "Amazon Web Services"	SVCE	FDP
Prof Revathi B	28-11-2022 to 03-12-2022	FDP on " Object Oriented Programming with Java"	SJBIT	FDP
Prof Shobha Rani N R	28-11-2022 to 03-12-2022	FDP on " Object Oriented Programming with Java"	SJBIT	FDP

TOPPER LIST

SEMESTER	I	II	III
VII	 <p style="text-align: center;">Tanima Mondal 1RI19CS048 - 89.85%</p>	 <p style="text-align: center;">Karun Roy Tharu 1RI19CS024 - 89.42%</p>	 <p style="text-align: center;">Koushal Singh Kunwar 1RI19CS025 - 86.42%</p>
V	 <p style="text-align: center;">Manjil Dhungana 1RI20CS064 - 87.22%</p>	 <p style="text-align: center;">Shravani P 1RI20CS046 - 83.88%</p>	 <p style="text-align: center;">M S Swaroop 1RI20CS029 - 82.44%</p>
III	 <p style="text-align: center;">Shaily Raj 1RI21CS102 - 91.12%</p>	 <p style="text-align: center;">Neha Lama 1RI21CS074 - 90%</p>	 <p style="text-align: center;">Poulomi Bhattacharya 1RI21CS079 - 87.87%</p>
I	 <p style="text-align: center;">Spoorhika N 1RI22CS103 - 86.87%</p>	 <p style="text-align: center;">Jeevika V 1RI22CS045 - 87.35%</p>	 <p style="text-align: center;">Dhruv Pandit 1RI22CS034 - 84.</p>

Gallery




Awareness Program on “Digital India-Nasscom”



Career Awareness Program on “Higher Studies and career Opportunities at Abroad”



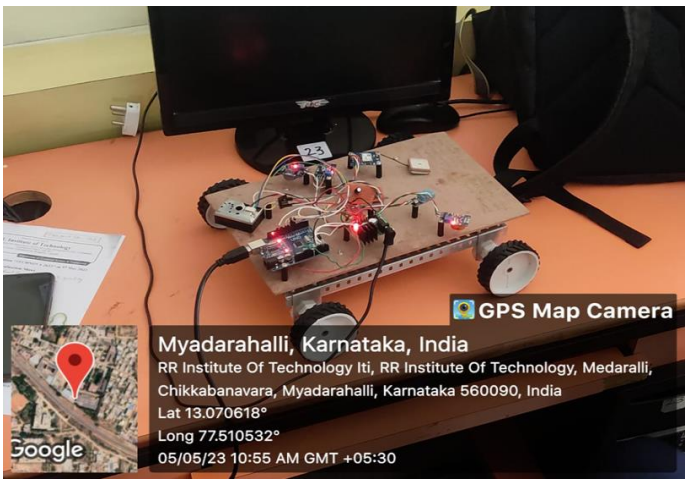
Workshop on Sensing Automation & IoT



Visit to BIEC, Bengaluru



Workshop on “The Future with IOT & Cloud: A Hands-On Training Program”



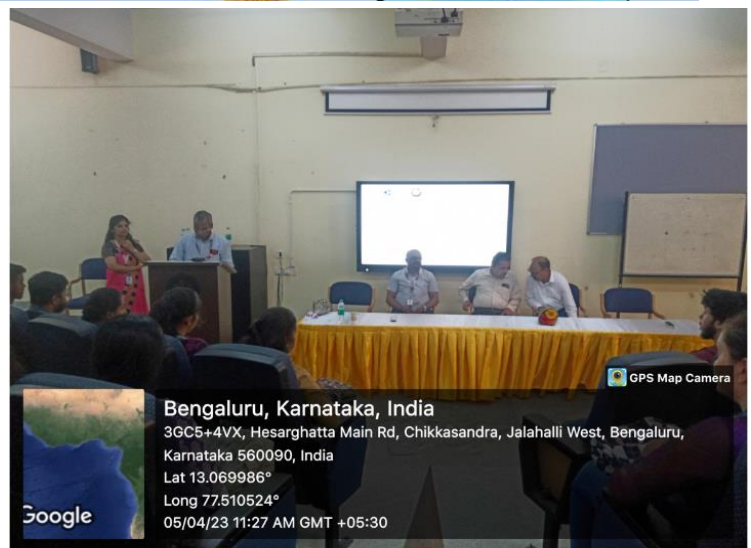
A Smart Reminder and Medicine Dispenser using IoT

Gallery



Myadarahalli, Karnataka, India
Main Block, RR Institute Of Technology, Medaralli, Chikkabanavara, Myadarahalli, Karnataka 560090, India
Lat 13.070366°
Long 77.511093°
03/04/23 12:12 PM GMT +05:30

Workshop on "IoT and Data Analytics "



Bengaluru, Karnataka, India
3GC5+4VX, Hesarghatta Main Rd, Chikkasandra, Jalahalli West, Bengaluru, Karnataka 560090, India
Lat 13.069986°
Long 77.510524°
05/04/23 11:27 AM GMT +05:30

Seminar on "Intellectual Property Right & Patent Procedure"



Myadarahalli, Karnataka, India
RR Institute Of Technology Iti, RR Institute Of Technology, Medaralli, Chikkabanavara, Myadarahalli, Karnataka 560090, India
Lat 13.070633°
Long 77.510508°
09/05/23 10:55 AM GMT +05:30

State Level Inter-collegiate Project Exhibition "TechNova – 2023"



Myadarahalli, Karnataka, India
Main Block, RR Institute Of Technology, Medaralli, Chikkabanavara, Myadarahalli, Karnataka 560090, India
Lat 13.070574°
Long 77.510985°
21/05/22 10:32 AM

ISTE Student Chapter Program



Sneha Nayak, 1R121CS108, 3rd Semester



Hethishe B. J, 1R120CS019, 5th Semester,

Programme Outcomes (PO's)	
PO1	Engineering Knowledge: Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to be able to solve complex engineering problems related to CSE.
PO2	Problem Analysis: Identify, Formulate, review research literature and analyse complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/Development of Solutions: Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
PO4	Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to computer science related complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply Ethical Principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and Team Work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.
PO12	Life-Long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.
Program Specific Outcomes (PSO's)	
PSO 1	Apply the software practice, principals to design and analysis of complex computer based system
PSO2	Design implements and validate system and application software to the various societal needs
Program Education Objectives(PEO's)	
PEO1	Proficiency to recognize contemporary issues and provide solutions using broad knowledge of computer science.
PEO2	Ability to plan, analyze, design, evolve project implementing capabilities and skills in IT industry.
PEO3	Drive to adapt new computing technologies lifelong to acquire professional greatness.
PEO4	Possess professional, ethical, social responsibilities, communication skills and teamwork needed for a successful professionalist.