April 2025

RAJARAJESWARI COLLEGE OF ENGINEERING

NEWS LETTER

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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

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

Dr. T. Subburaj
Associate Professor and Head,
Department of MCA, R.R.C.E.

VISION

"To produce excellent manpower in the field of Master of Computer Applications by introducing innovative teaching methods and projects within the parameters of values and ethics"

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.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1:To progress into the software industry, academia, research, entrepreneurial pursuit, government, consulting firms, and other recent trends in technology enabled services.

PEO2:To achieve peer recognitions an individual or team; by adopting ethics and professionalism and communicating effectively to perform well in cross-culture and inter-disciplinary teams.

PEO3:To continue lifelong professional development in computing for the benefit of self- and societal growth

EDITORIAL VOICE

Welcome to the Department of Master of Computer Applications latest newsletter.
Launching our bi-annual Newsletter "SAMPARKA VANI" fills us with joy. This newsletter is a digital channel via which we can reach out to our students, faculty, and alumni and business associates. The activities of the department will be highlighted in this newsletter. Additionally, it informs readers on recent developments in the department, concentrating on various activities such as placement, student and faculty achievements. We anticipate additional initiatives and successes for the department. march on in pursuit of excellence.

Department Over View

Dept. of MCA established in 2009 with an intake of 60. MCA Department is well equipped with laboratories, Qualified and dedicated faculty members. Our department has well equipped classrooms and computers with high-end systems. The students are trained to be perfect blend of current industry knowledge and skill of computer applications.

The specialty of our course is to produce front line developers in the area of web based enterprises solution, embedded systems & networking. The students have equal competence in open source and proprietary systems and can adopt themselves to either technology.

ABOUT MCA R&D CENTRE

The Master of Computer Applications (MCA) department is dedicated to providing a comprehensive and up-to-date education in computer science and its applications. Our mission is to equip students with the necessary skills and knowledge to excel in the ever-evolving tech industry. We offer a rigorous curriculum, state-of-the-art facilities, and opportunities for hands-on experience through projects and internships.

We have adopted integrated teaching-learning practices. Workshops, symposiums &Technical Seminars are organized on regular basis. Our students have received best paper awards in the conferences. Students are counseled according to the industry & academics requirement, encouraged to have hands on exposure.

Students are encouraged to do innovative and product-based projects related to advance technologies and encouraged to publish papers in the International & National conference and journals. We have adopted integrated teaching-learning practices. Workshops, symposiums & Technical Seminars are organized on regular basis. Our students have received best paper awards in the conferences. Students are counseled according to the industry & academics requirement, encouraged to have hands on exposure. Students are given guidance for higher studies and soft skill training for placements I good companies.

"Seminar on Employability Skills - Challenges & Opportunities "

Date: **24-05-2024**
Time: **10:30am -12:30pm**
Venue: **Chanakya Seminar Hall, RRCE**

Resource Person
Dr. Nagarajan, Professor
Associate Professor,
Department of Master of Business Administration,
RRCE, Bangalore.

Date: **18-06-2024 to 22-06-2024**
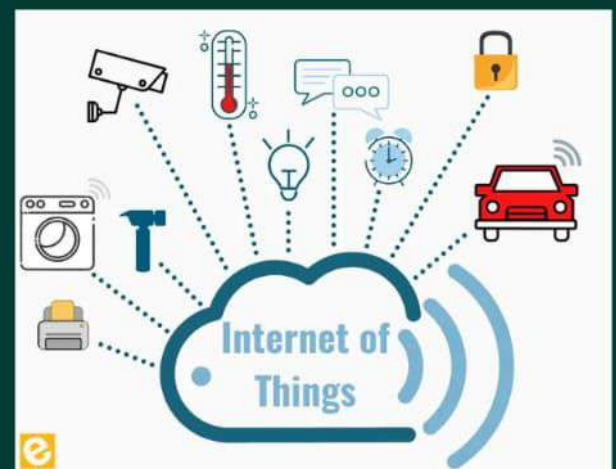Time: **10:30am -12:30pm**
Venue: **Chanakya Seminar Hall, RRCE**

Resource Person
Mr. Deeraj. C
Assistant Professor,
Department of Master of Computer Applications,
RRCE, Bangalore.

IoT - Different Types of Programming Boards and Their Utilities -SDP

Faculty Development Program on "IoT Hands on Training program"

⊠ Introduction about IoT
⊠ Types of Boards(Arduino, Raspberry PI, Node MCU, ESP32, intel)
⊠ Difference between all the boards
⊠ Varity of utilities of each boards
⊠ Hands on Training Program for Arduino and Raspberry PI,
⊠ Workshops on Arduino and Raspberry PI interacting with sensors and Actuators
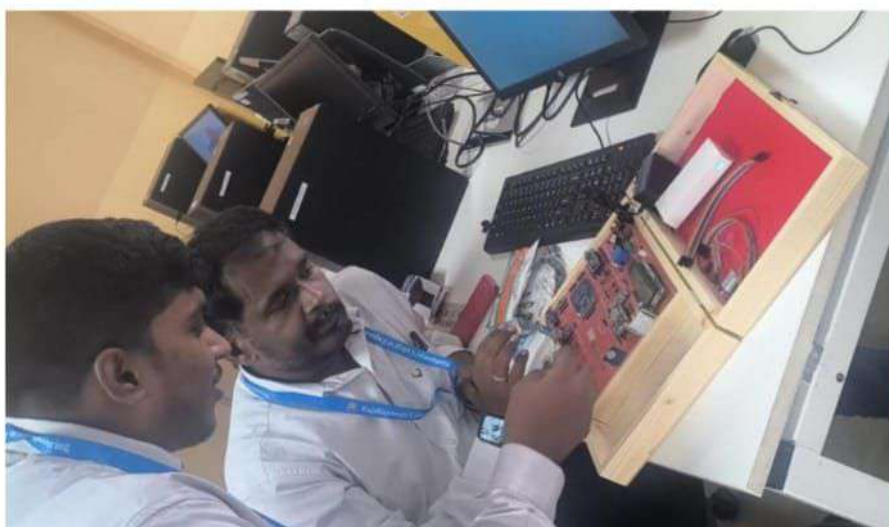

Date: 18-06-2024 to 22-06-2024

Venue: Chanakya Seminar Hall, Sixth Floor, RRCE.

Resource Person
Mr. Deeraj. C
Assistant Professor,
Department of Master of Computer Applications,
RRCE, Bangalore.

Industrial Visit to UR Rao Satellite Centre

Date:23/09/2024
Venue: ISRO Satellite Centre,
Bangalore – 17

Title the event: Industrial Visit to UR Rao
Satellite Centre, Bangalore
Resource Person: Mr. Srinivas, Scientist.
Event Duration: One day – 24/09/2024
Venue: ISRO Satellite Centre, Bangalore – 17
Target Participants: First Year PG Students.
Faculty Accompanied: Dr. Muruganandham S k
Industry visit coordinator: Dr. Mageusha U

Bengaluru, Karnataka, India
XM63+MHM, Kodihalli, Bengaluru, Karnataka 560075, India
Lat 12.96155°
Long 77.654261°
23/09/24 01:07 PM GMT +05:30

Bengaluru, Karnataka, India
Blue Dart Express, Wind Tunnel Rd, Kaveri Nagar, Kodihalli, Bengaluru, Karnat
India
Lat 12.959674°
Long 77.654383°

Student's Societal Projects
"Agriculture Finance"

GPS Map Camera
Channapatna,Bangalore Division, Karnataka,
Devara Hosa Halli, Karnataka 562160, India
Lat 12.684025°
Long 77.207608°
14/2/2025 02:20 PM GMT+05:00

GPS Map Camera
Channapatna,Bangalore Division, Karnataka,
Devara Hosa Halli, Karnataka 562160, India
Lat 12.684025°
Long 77.207608°
14/2/2025 02:16 PM GMT+05:00

GPS Map Camera
Channapatna,Bangalore Division, Karnataka,
Devara Hosa Halli, Karnataka 562160, India
Lat 12.684025°
Long 77.207608°
14/2/2025 02:34 PM GMT+05:00

GPS Map Camera
Channapatna,Bangalore Division, Karnataka,
Devara Hosa Halli, Karnataka 562160, India
Lat 12.684025°
Long 77.207608°
14/2/2025 02:34 PM GMT+05:00

Objective:

- **Our students are actively engaged in a variety of societal projects aimed at creating a positive impact on the community. Leveraging the technical skills and knowledge gained through their coursework, they address real-world challenges across several key areas. In smart agriculture, they develop IoT-based solutions to help farmers monitor soil moisture, weather conditions, and crop health, optimizing irrigation and increasing yields.**

In public safety, they develop applications for disaster management, emergency response, and crime prevention, improving public safety and resilience.

These projects benefit society while providing students with invaluable experience in applying their technical skills to solve practical problems, teaching them the importance of social responsibility and the potential of technology for the greater good. These projects not only benefit society but also provide our students with invaluable experience in applying their technical skills to solve practical problems, teaching them the importance of social responsibility and the potential of technology for the greater good.

An Interactive Session on "Legal and Ethical Steps in establishing a Start up firm"

An Interactive Session on "Legal and Ethical Steps in establishing a Start up firm"

Poster Making and Banner Design Competitions

Industrial Visit to Datamites Global Institute for Data Science

"Mega Ideathon Event"

"On Going Placement details"

Sl No	Name	USN	Company Name	Package
1	Akhila V	1RR23MC003	FACEPrep	3.5LPA
2	Bhavana	1RR23MC020	FACEPrep	3.5LPA
3	Pavithra U	1RR23MC074	FACEPrep	3.5LPA
4	Priyanka Abakari	1RR23MC100	Revature India	4LPA
5	Shashikiran	1RR23MC042	FACEPrep	3.5LPA
6	Srinidhi Desai	1RR23MC107	FACEPrep	3.5LPA
7	Sushma C Sarganachari	1RR23MC111	FACEPrep	3.5LPA

Text Publications
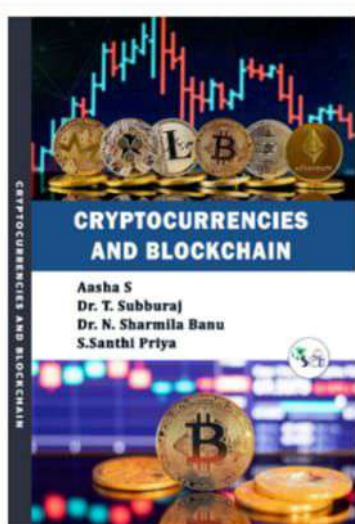
Dr. T. Subburaj Published the Book paper entitled "Crypto currencies and Blockchain" in Scientific International Publishing House.

Dr. T. Subburaj has made a significant contribution to the field of digital finance and technology by publishing a book paper titled "Cryptocurrencies and Blockchain" with Scientific International Publishing House. This work delves into the intricate world of cryptocurrencies, exploring their underlying technology, blockchain, which ensures secure and transparent transactions. By addressing the technical, economic, and regulatory aspects of cryptocurrencies, the book provides a comprehensive overview suitable for both novices and experts in the field. Dr. Subburaj's publication is a valuable resource for understanding the potential and challenges of these emerging technologies, reflecting his expertise and dedication to advancing knowledge in this rapidly evolving area.
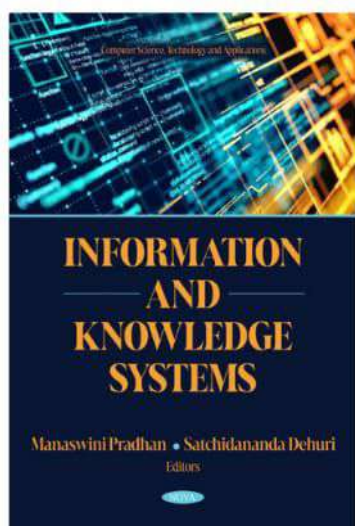
Dr. T. Subburaj et al., Published the Book chapter entitled "Chapter 4. Network Anomaly Detection Using a Random Forest Classifier" in © 2004 - 2023 Nova Science Publishers.

Dr. T. Subburaj and colleagues authored a book chapter titled "Chapter 4. Network Anomaly Detection Using a Random Forest Classifier," which was published by Nova Science Publishers. This chapter, included in a book released between 2004 and 2023, focuses on the application of a Random Forest classifier —a machine learning technique—to identify anomalies in network traffic. The Random Forest algorithm is an ensemble learning method that uses multiple decision trees to improve the accuracy and robustness of anomaly detection systems, which are crucial for identifying unusual or potentially harmful activities in network environments. The chapter likely covers the methodology, implementation, and benefits of using Random Forests for this purpose, providing valuable insights for researchers and practitioners in the field of network security.
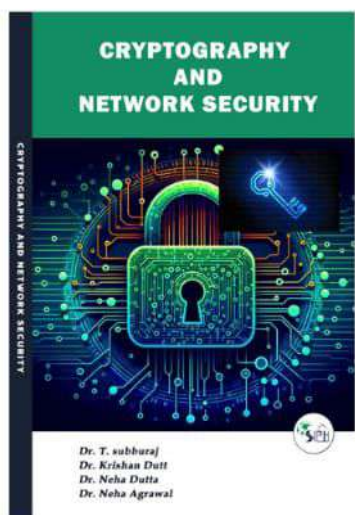
Dr. T. Subburaj Published the Book paper entitled "Cryptography and Network Security" in Scientific International Publishing House.

Dr. T. Subburaj has published a book titled "Cryptography and Network Security" through Scientific International Publishing House. This book likely explores the principles and practices of cryptography and network security, delving into how cryptographic techniques can protect information and ensure secure communications over networks. It may cover various aspects such as encryption algorithms, key management, secure protocols, and methods for safeguarding data from unauthorized access and cyber threats. The publication aims to provide readers with a comprehensive understanding of how cryptography is applied to enhance network security and protect sensitive information in digital environments.

SPORTS

CONGRATULATIONS,
for your outstanding achievement in winning the Table Tennis championship! Your hard work and dedication have truely paid off. Keep up the great work and continue to shine on the field.
We're proud of you!

"Congratulations on your remarkable success in winning the Volleyball championship! Your commitment and effort have truly made a difference. Keep up the fantastic work and continue to excel. We're really proud of you!"

"Congratulations Mr. Prasad B N on your impressive achievement in winning the Chess championship! Your dedication and hard work have really paid off. Keep up the excellent performance and continue to shine. We're very proud of you!"

ALUMNI VOICE

It has been a true privilege to be part of such a highly esteemed institution. The time I spent here will always hold a special place in my heart and remain a cherished memory throughout my life.

The journey over the past two years was made smooth and fulfilling thanks to the unwavering support and guidance of the dedicated faculty and the ever-helpful non-teaching staff. I take immense pride in being an alumnus of this honorable and reputed institution. The knowledge and experiences I gained during my time here have been, and will continue to be, invaluable.

I am deeply honored to have been selected as a member of the alumni association. Being part of this distinguished group is both a privilege and a great responsibility, and I look forward to contributing meaningfully to its continued success.

Name: Mr. Ashish Krishna,
MCA, Batch: 2021-2023
Company: DBA Solutions
Domain: JAVA
Role: Associate Systems Engineer

RRCE College and the MCA Department have been pivotal in guiding and shaping our academic journey. RRCE is not merely an institution—it is a nurturing community that has fostered our aspirations and supported our growth. The MCA Department, in particular, has served as a compass, steering us toward specialized knowledge and technical excellence.

Together, they have laid a strong foundation for our future endeavors. We are truly grateful for the mentorship, learning, and encouragement we have received as we step forward into the next chapter of our lives.

Thank you.

Name: Ms. Archana R Mulge,
MCA, Batch: 2021-2023
Company: Sagility Private Limited
Domain: Data Analyst
Role: Process Consultant (Analyst)