

# RAJARAJESWARI COLLEGE OF ENGINEERING

## NEWS LETTER



**Sri. A. C. Shanmugam**

B.A. L.L.B, FIMSA, FRCPS (Glasgow, U.K)  
Chairman, RRG1



**Sri. A.C.S. Arunkumar**

B.Tech (Hons), LMISTE, MIET., (UK), LMCSI.,  
Vice-Chairman RRG1



**Dr. R Balakrishna**

Principal, 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

- Introducing Value-based education and State of the Art infrastructure facilities within the parameters of ethics.
- Interacting with industries and institutions to upgrade knowledge and understand current requirements and trends in technologies.
- Enhancing the research-oriented activities in socially prominent areas.
- Building up the overall career through impressive extra-academic activities.

### 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.

# “Visualization Using Power BI”

- Business Analytics Tool: Power BI is designed to help businesses analyze data and share insights.
- Data Visualization: It allows users to create interactive visualizations and dashboards.
- Data Connectivity: Power BI can connect to various data sources, including databases, spreadsheets, and cloud services.
- Data Transformation: Users can clean, transform, and model data within Power BI.
- Interactive Reports: Create detailed reports that users can interact with to explore data.
- Real-time Insights: Provides real-time data updates and insights.
- Collaboration: Enables sharing of reports and dashboards across an organization.
- Embedding: You can embed Power BI reports in applications or websites.
- User-friendly Interface: Designed to be accessible for users without extensive technical expertise.
- Microsoft Ecosystem Integration: Integrates seamlessly with other Microsoft products like Excel, Azure, and Office 365.

Date: 23-09-2023

Time: 10:30am -12:30pm

Venue: Chanakya Seminar Hall, RRCE

Resource Person

**Dr. Ramkumar S**

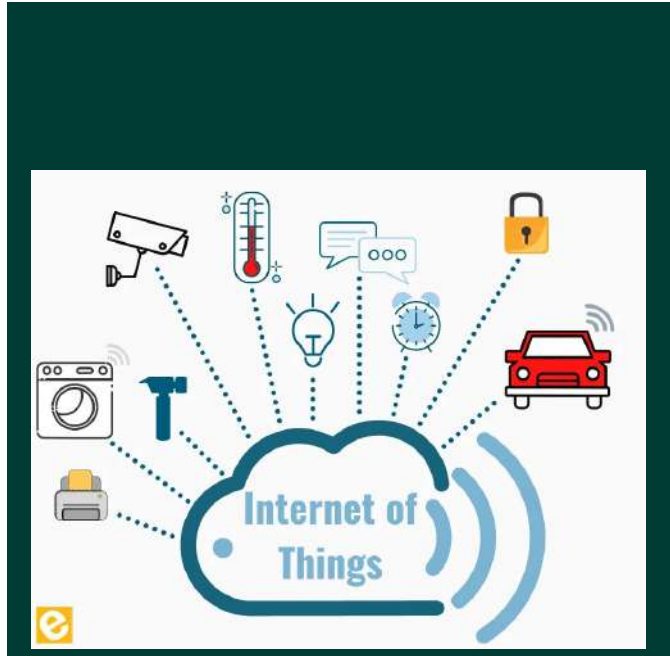
Associate Professor,

Department of Computer Science,  
Christ University, Bangalore.



# IoT Hands on Training program

Students gain comprehensive knowledge in several cutting-edge areas through the program. They delve into IoT architecture, understanding the layers and components that make up the Internet of Things ecosystem. Learning about the Raspberry Pi, students gain hands-on experience with this versatile microcomputer, which is essential for many IoT projects. They develop critical problem-solving skills, analyzing complex issues to find efficient solutions. Practical skills are honed as they learn to control light sources and access remote places, demonstrating their ability to manage and manipulate connected devices. Additionally, students gain proficiency in programming and timing tasks, such as flashing an LED at a given time, showcasing their ability to integrate hardware and software seamlessly. This well-rounded education equips them with the expertise needed to excel in the dynamic field of IoT.



**Date: 13-09-2023**

**Venue: MCA Department,  
RRCE**

**Resource Person :  
Vijay Mahentesh Mulge,  
Director- Technical  
CAD MAXX Ed Tech, Bangalore.**

# Industrial Visit to UR Rao Satellite Centre

Date:12/06/2023

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 – 12/06/2023  
Venue: ISRO Satellite Centre, Bangalore – 17  
Target Participants: First Year PG Students.  
Faculty Accompanied: Dr. Annu Sharma and Prof Sasi Kumar B  
Industry visit coordinator: Dr. Mageusha U



- Gained Knowledge about subsystem of Rockets and Spacecraft
- To differentiate between PSLV and GSLV.
- Gained knowledge about TV Broadcast mechanism with the help of demo model.
- Gained knowledge about different Satellites.
- Gained knowledge about launching of satellite.
- Video on Chandrayaan Launch.
- Satellite assembly in the clean room.

# Student's Societal Projects



Date: 27th August 2023

## 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 healthcare, they create mobile applications and wearable devices to monitor patient health, manage chronic diseases, and provide telemedicine services in remote areas. For environmental monitoring, they implement sensor networks to track air and water quality, detect pollution levels, and provide data for conservation efforts. They design energy management systems for smart homes and buildings to optimize energy usage, reduce waste, and promote renewable energy. Additionally, they build e-learning platforms and interactive tools to enhance education delivery, making learning more accessible and engaging for students in underserved regions.

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.

# Publications

## Journal Publications:

MCA 2021-2023 batch Students are published the research articles in Shanlax International Journal of Arts, Science and Humanities/ endowments in the department during the year 2022-23

Dr. T.Subburaj Presented the Paper in 5th International Conference on Computer and Communication Technologies 2023.

**5<sup>th</sup> INTERNATIONAL CONFERENCE ON  
COMPUTER & COMMUNICATION TECHNOLOGIES (IC3T)-2023  
6 -7 October, 2023**

**KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE::WARANGAL, T.S., INDIA**  
(An Autonomous Institute under Kakatiya University, Warangal)  
(Accredited by NAAC with "A" Grade)

**CERTIFICATE OF PARTICIPATION**

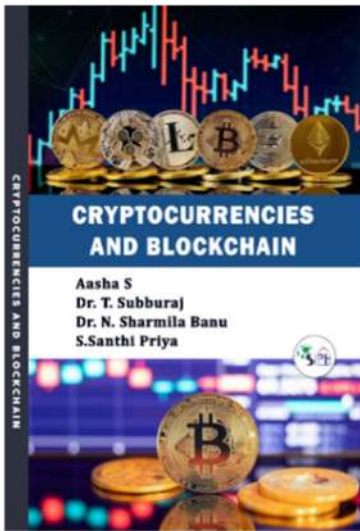
This is to certify that **T. Subburaj** of **RajaRajeswari College of Engineering** has participated in the "Springer 5<sup>th</sup> International Conference on **Computer & Communication Technologies (IC3T)-2023**" organized by the **Department of Electronics and Communication Engineering, Kakatiya Institute of Technology & Science, Warangal, Telangana** during 6-7 October, 2023 as co-author for the paper titled **Ransomware Classification and Detection: A Supervised Machine Learning Approach**

Dr. M. Raju  
Program Chair, IC3T-2023

Dr. B. Rama Devi  
Convener, IC3T-2023

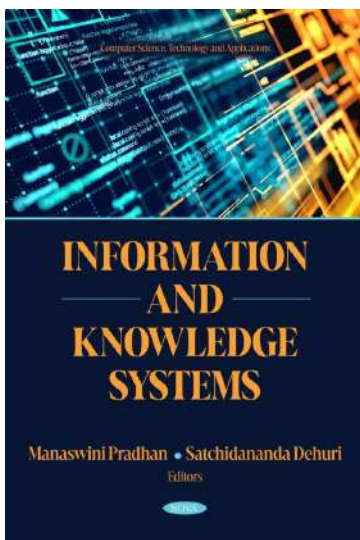
Prof. K. Ashoka Reddy  
Conference Chair, IC3T-2023

# Text Publications



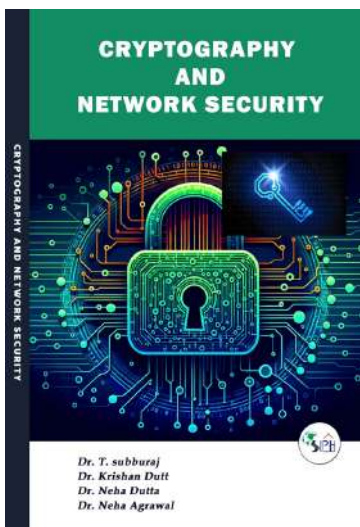
**Dr. T. Subburaj Published the Book paper entitled “Crypto currencies and Blockchain” in Scientific International Publishing House.**

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.

# Placements

**Congratulations for our students to get placed in below listed Companies.**

2021-2023 MCA Students						
Sl No	USN	Name of the student	Name of the company placed & location	On campus/ off campus	Post/ Designation	Salary Package
1	1RR21MC002	Abhishek S	Theory Desk	ON campus	Web Developer	4.5 LPA
2	1RR21MC004	Amrutha S	TeXTRON. Numark	ON campus	Associate Systems Engineers	4.5 LPA
3	1RR21MC005	Anusha S	Vintrus. Pallee Technologies	ON campus	Trainer	5 LPA
4	1RR21MC006	Archana R Mulge	Global Quest technology, Pentagon Space	ON campus	Trainer	4.5 LPA
5	1RR21MC007	Ashish Krishna P	Onepaper	ON campus	Relationship Manager	3.5 LPA
6	1RR21MC008	Bhavana G	Theory Desk	ON campus	Web Developer	4.5 LPA
7	1RR21MC009	Bhavya C	SKIPLOOP	ON campus	Application Developer	4.5 LPA
8	1RR21MC010	Bhavyashree V	Numark	ON campus	Associate Systems Engineers	4.5 LPA
9	1RR21MC011	Chandan K	Vista's Learning	ON campus	Trainer	4.5 LPA
10	1RR21MC012	Chandana K L	Inversa Innovation	ON campus	Associate Systems Engineers	4.5 LPA
11	1RR21MC014	Dharshan P	Numark	ON campus	Associate Systems Engineers	4.5 LPA
12	1RR21MC015	Deeraj C	Rinex, Facenren, Onepaper	ON campus	Associate Trainer	3.5 L
13	1RR21MC016	Dhanushree R S	Theory Desk	ON campus	Web Developer	4.5 LPA
14	1RR21MC017	Diana Jennifer S	Megaaper, Global Quest	ON campus	Trainer	4.5 LPA

# Placements

**Congratulations for our students to get placed in below listed Companies.**

15	1RR21MC018	Faisal Pasha A	Rinex, Vista's Learning <del>Onepaper</del>	ON campus	<del>Trainer</del>	4.5 LPA
16	1RR21MC020	Girish	<del>Inversa Innovation</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
17	1RR21MC026	<del>Javees Pasha</del>	Theory Desk	ON campus	Web Developer	4.5 LPA
18	1RR21MC027	Jayashree	<del>Inversa Innovation</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
19	1RR21MC028	Jyothi Ashok	Vista's Learning	ON campus		4.5 LPA
20	1RR21MC030	Madhu Srinivas M	<del>Numark</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
21	1RR21MC031	MadhuKumar A P	SKIPLOOP	ON campus	Application Developer	4.5 LPA
22	1RR21MC032	<del>Mahadevprasad H S</del>	<del>Numark</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
23	1RR21MC034	Manoj S	<del>Inversa Innovation</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
24	1RR21MC036	Monika R	SKIPLOOP	ON campus	Application Developer	4.5 LPA
25	1RR21MC037	Niranjan R	<del>Onepaper</del>	ON campus	Relationship Manager	3.5 LPA
26	1RR21MC038	Nisarga B	Theory Desk	ON campus	Web Developer	4.5 LPA
27	1RR21MC039	Nischita A P	Vista's Learning	ON campus		4.5 LPA
28	1RR21MC041	Prasad H R	<del>Numark</del>	ON campus	<del>Associate Systems Engineers</del>	4.5 LPA
29	1RR21MC042	<del>Premanth Gowda T S</del>	SKIPLOOP	ON campus	Application Developer	4.5 LPA
30	1RR21MC043	Pushpalatha G	SKIPLOOP	ON campus	Application Developer	4.5 LPA
31	1RR21MC044	Rahul r Bhat	Theory Desk	ON campus	Web Developer	4.5 LPA

# SPORTS



CONGRATULATIONS,  
for your outstanding achievement in winning the Table Tennis championship! Your hard work and dedication have truly 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

**Name: Ms. Shraddha S,  
MCA, Batch: 2021-2023  
Company: Theory Desk  
Domain: JAVA  
Role: Web Developer**



**RRCE College and MCA Department have been our guiding lights.**

**RRCE is more than just a campus, it's a community that Nurtures Our Dreams and Aspirations.**

**MCA department, on the other hand, is the compass guiding us towards Specialized Knowledge and Expertise.**

**Together, they've shaped our journey. Grateful for this foundation as we move forward.**

**Thank you..**

**Name: Mr. Darshan P,  
MCA, Batch: 2021-2023  
Company: Numark  
Domain: JAVA  
Role: Associate Systems Engineer**



**I am fine and hope that you too will be in the best of your moods and spirits. It's been a privilege to be a part of this highly reputed institution. The time spent there will be always appreciable and memorable throughout my life. The journey of 2 years had been a cake walk only because of the full support of my teachers and the other non-teaching staff of the College. I feel cherished and proud of being an alumni of such a reputed and honorable institution. The knowledge and experience gained here is and will be always be helpful. I feel so privileged that you chose me for being a member of the association of the alumni. It will be really a great honour for being part of this association**