




# R L JALAPPA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, & Approved by AICTE)

Doddaballapura - 561203, Bangalore Rural District

## Department of Computer Science & Engineering

<b>Faculty Name</b>	Dr. Mamatha C M	
<b>Designation</b>	Professor	
<b>Area of Interest</b>	<ul style="list-style-type: none"><li>• Cyber Security</li><li>• Cloud Computing</li></ul>	
<b>Email ID</b>	mamathacm.cm@gmail.com	
<b>Official Mail ID</b>	Drmamathacm.cs@rljit.in	

### EDUCATION:

Course	INSTITUTE	UNIVERSITY	YEAR OF PASSING	RESULT (AGGREGATE)
Ph. D	NCET	VTU	2021	Awarded
M.Tech (CSE)	S.J.C.I.T	VTU	2010	67.5
B.E (ISE)	NCET	VTU	2005	67

### TECHNICAL SKILLS:

- Languages known : C, C++, Java , Python
- Operating System : Windows
- Database packages : SQL, MYSQL

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**PROFESSIONAL WORK EXPERIENCE:**

16 Years of Working experience

- Currently working in RLJIT as Professor in Computer Science & Engineering since 19/08/2024
- Cambridge Institute of Technology, North Campus from 01/08/2019 to till 13/08/2024 as Professor and Head, Department of CSE and Cyber Security.
- Nagarjuna College of Engineering and Technology, since March 2010 to 31/07/2019 as an Assistant Professor in CSE and ISE.
- S.J.C.I.T 2007 to 2008 July as a Lecturer.

**PATENTS:**

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1. Submitted and published a patent on “A METHOD OF RECOGNIZING SPEECH AND HAND GESTURE IN REAL TIME USING ARTIFICIAL INTELLIGENT ADAPTIVE INTERFACE MECHANISM”. 2020
2. Submitted and published a patent entitled “SENSOR BASED INTELLIGENT SMART WATCH FOR EARLY PREDICTION OF STROKE IN PARALYZED PATIENTS” The Patent Office Journal No. 24/2022 Dated 17/06/2022
3. Submitted and grant a UK Design patent on “ARTIFICIAL INTELLIGENCE BASED DRONE DESIGN”, 2023

**PUBLICATIONS:**

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“A review on DSI in WSN & Ad-hoc Networks”, Bornfire Journal, Volume 1, in 2013.

1. “An Efficient monitoring recovering the Packets in WSN”, IJSER, Volume 5 Issue 5, ISSN 2229-5518.in 2014.
2. “A New Intrusion Detection System for AODV”, IJSER, Volume 6 Issue 6, ISSN 2229-5518.in 2015.
3. “High Quality Location Monitoring System With Location Privacy”, IJSER, Volume 6 Issue 6, ISSN 2229- 5518. In 2015.
4. “CLARIN with DCS: CCloud Security using ARtificial INtelligence and Performance increase by Dynamic Cache Segmentation” Elsevier, Materials Today: Proceedings ICEMS-2016 ISSN: 2214-7853
5. “A Cloud Security with Performance Increase and Energy Efficient using AI with DCS and PDC”, International Journal of Pure and Applied Mathematics,June-2018(Scopus Indexed).
6. “Resource Scheduling Policy using Population based Metaheuristic Search along with Firefly Caching Policy in Cloud Environment” TEST Jan 2020 (Scopus Indexed), The Mattingley Publishing Co.,Inc.

7. “An Ameliorated Methodology for MANET Security using Artificial Intelligence and Dynamic Cache Segmentation” | ISSN: 2321-9939 | ©IJEDR 2021 Year 2021, Volume 9, Issue 2
8. “Secured Approach to Implement Using a KEY Counter and AES for MANETS “ISSN: 2321-9939 | ©IJEDR2021 Year 2021, Volume 9, Issue 2
9. “Performance Analysis of Security Algorithm of Routing Protocols for MANETS” ISSN: 2321-9939 |©IJEDR 2021 Year 2021, Volume 9, Issue 2
10. “CHARGING OF EV THROUGH RENEWABLE GRIDS “ IJNIET- 2106255 UGC Approved Journal – 47645,Year 2021
11. “Analysis of Web Mining Data Sets Using H-Tree based Intrusion Detection System” IJNIET2106255 UGC Approved Journal – 47645, Year 2021
12. “An Effective Model for Heterogeneous Face recognition in a Static Background” © December 2021| IJIRT | Volume 8 Issue 7 | ISSN: 2349-6002
13. “ Designing an efficient model for Heterogeneous Face Recognition (HFR) System” NOVIY MIR Research Journal Volume 6, Issue 12, 2021 ISSN No: 0130-7673
14. “Self Driven Autonomous Vehicle Technology Using Artificial Intelligent” IJRSET , Volume 10, Issue 12, December 2021 , DOI:10.15680/IJRSET.2021.1012068
15. “Energy Efficient Asynchronous Memory Compiler Configuring SRAM” IJRSET , Volume 09, Issue 11, December 2021 , DOI: 10.15680/IJRCCE.2021.0911025
16. “Electrical Vehicle through Solar Panels and Wind Turbines” IJRSET , Volume 10, Issue 12, December 2021 , DOI:10.15680/IJRSET.2021.1012068
17. “A Process Method and Data Storage Medium Focused on Liver Cancer” IEEE, 2023
18. “Testing and Evaluation of the Routing Protocol’s effectiveness for LLNs : An Analysis and Study –Part I”, International Neurology Journal DOI: 10.5123/inj.2023.4.in144, Volume. 27 Issue. 4 -2023
19. “Testing and Evaluation of the Routing Protocol’s effectiveness for LLNs : An Analysis and Study – Part II”, International Neurology Journal DOI: 10.5123/inj.2023.4.in144, Volume. 27 Issue. 4 -2023
20. “Design & development of testing, evaluation of different types of routing protocols & effectivenessfor low power lossy networks”, International Neurology Journal DOI: 10.5123/inj.2023.4.in144,Volume. 27 Issue. 4 -2023

## **ACHIEVEMENTS & RESPONSIBILITIES**

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- Received Best Paper award for “A review on DSI in WSN & Ad-hoc Networks”, National conference on Emerging trends in Computer Science & Applications on 01/02/2013 to 02/02/2013, SNGCE, Kolenchery, Kerala.
- Coordinated 2 days Workshop on “Cyber Security & Penetration Testing” on 13/09/2013 to 14/09/2013by Cybertech Global learning solutions, Bangalore.
- Resource Person for Faculty Development Program on” Fundamental& Applications of Computer concepts &Programming” during 28/01/2013 to 01/02/2013, NCET, Bangalore.

- NAAC, NBA, ISO coordinator for the department of ISE , NCET, Bengaluru, from the year 2012 to 2019.
- Resource Person for 5 days Hands on training on “Python Programming” during 24/06/2019 to 28/06/2019, NDC, Chikkaballapur.
- NAAC, NBA, NIRF and IQAC Coordinator, CIT-NC, Bengaluru.
- Received Best Research Paper award for “Resource Scheduling Policy using Population based Metaheuristic Search along with Firefly Caching Policy in Cloud Environment”, International Conference on Science, Engineering and Management.
- Received Young Academician Award from DERO, Karnataka
- Session Chair for International Conference at CITNC

### **NPTEL COURSES:**

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1. Certification on JAVA Programming from IIT Karagpur
2. Certification on NBA Accreditation and Teaching Learning Process from IIT Karagpur
3. Certification on Cyber security and Privacy from IIT Madras

### **PROFESSIONAL MEMBERSHIPS:**

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Member in the IEEE, IFRP, DERO

### **WORKSHOP ATTENDED & ORGANIZED:**

5days training course on “Campus Connect- Soft-Skill Training workshop” organized by Infosys at SJCIT, Chickballapur during 17th December 2007 to 21st December 2007.

One day FDP on “Service Oriented Architecture- An Overview” at SSIT, Tumkur on 27th November 2010.

5 days workshop on “ MISSION 10x”organized by Wipro at NCET, Bengaluru from 18th April 2011 to 22nd April 2011.

2 days workshop on “HIGH IMPACT TEACHINH SKILLS” organized by Wipro at NCET, Bengaluru from 18thApril 2011 and 19th April 2011.

3-day workshop on “ARM Processor Architecture, Programming and Application”organized by NMIT, Bengaluru from 27th to 29th August 2012.

Attended and organized a 2 day Workshop on “Cyber Security & Penetration Testing” on 13/09/2013

to

14/09/2013 by Cybertech Global learning solutions, Bangalore.

- Attended 2 days “National level Workshop on Achieving Excellence in Research Endeavour” from 05/12/2014 to 06/12/2014 by PGSIM, Coimbatore.
- Attended 6 day workshop on “MATLAB and its Applications” 22/01/2016 to 28/01/2016 at NCET, Bengaluru.
- Attended 2 day workshop on “Latex “on 28/01/2016 and 29/01/2016 at NCET, Bengaluru.
- Attended one day workshop on “Outcome Based Education” on 20/07/2016 at NCET, Bengaluru in association with IEEE SSIT- ES joint Bangalore Chapter.
- Attended 5 day FDP on “Scilab- An open Source programming Language” on 24th to 28th September 2016 at NCET, Bengaluru.
- Attended 3 day workshop on “Research Methodology” from 26/10/2016 to 28/10/2016 at Cambridge Institute of Technology, Bengaluru.
- Attended a FDP on “Skills for Success- Communication and Relationship skills” on 24th November 2016.
- Attended 5 day workshop on “R-Language” on 18th to 22nd February 2017 at NCET Bengaluru.
- Attended and organized 3 day workshop on “Android Application Development” on 15th and 16th Nov 2019 at CIT-NC, Bengaluru.
- Attended one day FDP on “Outcome Based Education and Accreditation” on 30th Jan 2020.

**CONTACT DETAILS:**

<b>Name</b>	:	Dr. Mamatha C M
<b>Father’s Name</b>	:	Munireddy C M
<b>DOB</b>	:	02/11/1983
<b>Languages known</b>	:	English, Hindi, kannada.
<b>Current Address</b>	:	Site #13, Devappa Layout, Ward #29, Behind St. Joseph Convent, Chickaballapur - 562101.
<b>Marital status</b>	:	Married
<b>Phone</b>	:	8151052119
<b>Nationality</b>	:	Indian