

# Dr.CHETHAN VENKATESH

📍 #2557, 22<sup>nd</sup> Main, 30<sup>th</sup> Cross, BSK 2<sup>nd</sup> Stage Bangalore, India 560070

☎ +91 9945178821

✉ [chethu4u@gmail.com](mailto:chethu4u@gmail.com),  
[chethanvenkatesh.rvitm@rvei.edu.in](mailto:chethanvenkatesh.rvitm@rvei.edu.in)

---

## SUMMARY

Dedicated Associate Professor adept at promoting curriculum and syllabus development. Applies unique creativity to drive student engagement. Focus on computer science and applications with passion for professional development. Committed with 22+ years of experience in academic landscape, including student evaluation and creative teaching methods implementation. Eager contributions to assist student development. Hands-on approach to cultivating curriculum and challenging in-classroom projects

---

## SKILLS

### SUBJECTS TAUGHT

- User Interface Design
- Web Programming
- Computer Networks
- Cloud Computing
- Data Base
- Information Security
- Management Information Systems
- Network Management
- Operating Systems
- Python Programming
- Software Engineering
- Unix
- Unix & Shell
- Unix Systems Programming
- Internet of Things
- Digital Forensics
- AWS

### OTHER SKILLS

- Evaluations and assessments
- Classroom lectures
- Lesson plan creation
- Technology-based learning tools
- Curriculum input
- Class engagement
- Meeting participation
- Curriculum Development
- Academic publication
- Student evaluation
- In-class lectures
- Curriculum creation
- Student performance evaluation
- Class organization
- Mentoring
- Motivation
- Progress reporting
- Classroom management
- Faculty communication
- Online Class Discussions

**Associate Professor****RV Institute of Technology and Management, 11/2023 – till date****Academic Responsibilities:**

- Participated in faculty meetings to discuss department goals and strategy
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Created lesson plans and developed instructional materials covering required topics and learning objectives.
- Administered and graded tests and assignments to evaluate student performance and monitor progress.
- Mentored and assisted with student-centered activities on campus to establish professional relationships.

**Other Responsibilities:**

- Department Examination Coordinator
- Department IPR cell Coordinator
- Department Project Coordinator

**Assistant Professor, 01/2011 – 10/2023****M.S.Ramaiah Institute of Technology, Bangalore, India****Academic Responsibilities:**

- Developed custom course syllabus outlining standards, material, grading and progression for students.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Created lesson plans and developed instructional materials covering required topics and learning objectives.
- Administered and graded tests and assignments to evaluate student performance and monitor progress.
- Mentored and assisted with student-centered activities on campus to establish professional relationships.
- Assigned thought-provoking projects, enticing students to find creative solutions to different issues.
- Provided guidance for student thesis and dissertation work.
- Attended faculty meetings and participated in student outcome assessments with departmental members.
- Constructed quizzes, exams and homework assignments to test student aptitude.
- Collaborated with professor to manage education projects from start to finish.
- Maintained student engagement through creative subject delivery and learning activities.
- Graded homework assignments, tests and special projects.
- Tutored students requiring additional assistance to improve overall comprehension of difficult concepts.
- Mentored struggling students and lend academic assistance.
- Performed research in **Cloud Computing** and published papers in International journals/conferences.
- Performed in-depth research and data collection for integration into academic publishing projects.
- Provided letters of recommendation and other referrals to students pursuing further education programs or postgraduate employment.
- Participated in faculty meetings to discuss department goals and strategy
- BoS member for Cambridge Institute of Technology(Autonomous), MCA, BoE member for MCA, MSRIT, Dr.AIT Examiner for VTU , MSRIT (Autonomous), SIT , Tumkur (Autonomous), Jain University, for MCA programme, Kuvempu University for BSc IT, MSc IT programme, KSOU MCA, BCA programme , Bharathi Dasan University for MPhil, Question paper setting for PG CET 2013 (MCA).

**Other Responsibilities:**

- Department Deputy Chief Protor(DCP)
- Deputy coordinator Department of Extra Curricular Activities (DECA), MSRIT Accompanied college cultural team for two VTU fests (2022 – Prathibhotsava, BMSCE, 2023 – Yuvotsava, Nagarjuna College of Engineering and Technology), Responsible for organizing all cultural events in the campus.
- Department Alumni Coordinator
- College Canteen committee member.

---

**Lecturer**, 08/2006 - 12/2010  
*M.S.Ramaiah Institute of Technology*, Bangalore, India

---

**Lecturer**, 09/2004 - 09/2006  
*Sir M. Visveswaraya Institute of Technology*, Bangalore, India

---

**Lecturer**, 10/2002 - 09/2004  
*AMC Engineering College*, Bangalore, India

---

## EDUCATION

*Visveswaraya Technological University, Belgaum, India* 2023  
**Ph.D. – Computer and Information Sciences**

---

*Bharathidasan University, Thruchirappali, India* 2006  
**M Phil. – Master of Philosophy: Computer Science**

---

*Dr.AIT, VTU, Bangalore, India, 2002*  
**MCA – Master of Computer Applications**

---

*BHSFGC, Bangalore University, Bangalore, India, 1999*  
**Bachelor of Science – Computer Science, Statistics, Mathematics**

---

## ACCOMPLISHMENTS

- Ph.D. Thesis: On Dynamic Provisioning of Resources in Cloud.
- MPhil Thesis: Application of Markov Chains in one and two server queuing systems
- MCA Dissertation: METCOMM (Computerization of meter commercial activities for energy meters department using RDBMS and OOPS concept) From: February 2002 To: July 2002 Client: Bharat Heavy Electricals Limited (Electronics Division) Environment: Visual Basic 6.0, Oracle 8. Team Size: One Role: Individual
- B.Sc. Project: TELESOFT (TELEPHONE BILLING SOFTWARE) From: July 1998 To: February 1999 Client: Department of Telecommunications. Environment: COBOL Team Size: Five Role: Developer
- Undergone a training on System Testing, which includes, Writing Scripts using, Shell, Perl, TCL/TK.
- Apple certified trainer (ACT) for Mac OS X 10.7 Lion.

### PUBLICATIONS :

- Chethan Venkatesh, Vinay Kumar Sadolalu Boregowda, Sukhman Ghumman, Debanjan Ghosh, Shoaib Mohammed, Deepali Rani Sahoo, Optimized Spammer Detection System for Enhancing Financial Cloud Security Through Artificial intelligence, Journal of Internet Services and Information Security (JISIS), volume: 15, number: 2 (May 2025), pp. 362-373. DOI: 10.58346/JISIS.2025.I2.026
- Gouthan J R, Chethan Venkatesh, Secure Folder Encryption Using Homomorphic Encryption with Microsoft SEAL, 2025 International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF) 979-8-3315-3853-8/25 ©2025 IEEE | DOI: 10.1109/COMP-SIF65618.2025.10969942
- N K Thakre, Chethan Venkatesh, Silvia Karina García Pisconte, Liliana Carmen Campos Ramírez, María Luisa Medina Vásquez, K.K. Bajaj, The Intelligent Securely Storing Data in Distributed Systems for Big Data, 2023 International Conference on Power Energy, Environment & Intelligent Control (PEEIC), Greater Noida, India, 2023, pp. 1662-1667, doi: 10.1109/PEEIC59336.2023.10452139.
- Nehal Jaiswal, Chethan Venkatesh, Tomato Leaf Disease Prediction using Neural Networks:- Grenze International Journal of Engineering and Technology, Jan Issue
- Anil Kumar C, Chethan Venkatesh, Lavanya Vaishnavi D, Harish s, Computer Vision Based Hand Gesture Recognition System, NeuroQuantology, Volume 20, Issue 7, July 2022, ISSN-1303-5150, pp2859-2866

- Anil Kumar C, Chethan Venkatesh, Lavanya Vaishnavi D, Harish s, Computer Vision Based Hand Gesture Recognition System, NeuroQuantology, Volume 20, Issue 7, July 2022, ISSN-1303-5150, pp2859-2866
- Chethan Venkatesh, Shiva Murthy.G, Uniform Resource Allocation in Multiple Data Centre Using Dynamic MinMax Algorithm:- Advanced Engineering Science, Volume 54 Issue 2 October 2022, ISSN 2096-3246.
- Chethan Venkatesh and G Shiva Murthy, Dynamic Min-Max Algorithm For Resource Provisioning In Cloud Environment:- Indian Journal of Computer Science and Engineering, Volume 12 Issue 3 May-June 2021, ISSN 0976-5166.
- Deval Bhadiyadra, Chethan Venkatesh, Smart Street Light using ZigBee with Video Analytics:-, International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM), Volume 54 Issue 14 July 2020, ISSN 2320-6608.
- Chethan Venkatesh, Shiva Murthy.G, Comparative Study of Load Balancing Algorithms for Best-effort Applications in Cloud:- Proceedings of International conference on Recent Innovative Trends in Computer Science and Applications - ICRITCSA-2016, held on 21 and 22 October 2016 at MSRIT.ICRITCSA, M S Ramaiah Institute of Technology, Bangalore, ISSN (Online) 2278-1021 ISSN (Print) 2319-5940 Vol. 5, Special Issue 2, October 2016.
- Chethan Venkatesh, Shiva Murthy.G, A survey on Resource Provisioning in Cloud:- Proceedings of National Conference on Software Engineering NCSE-14 held on 21st & 22nd February 2008 at MSRIT, Bangalore.
- Quality Prediction of Open Source Software for e-Governance Project:- Chethan Venkatesh, Manish Kumar, Proceedings of International Conference on e-Governance ICEG-2008 at IIT, New Delhi.
- Chethan Venkatesh, Manish Kumar, Open Source v/s Proprietary Software Quality Analysis:-, Proceedings of National Conference on Software Engineering NCSE-08 held on 24th April 2008 at MSRIT, Bangalore.

#### **Papers under Communication:**

- Machine Learning Based Data Analysis of ECG Features with Indian Classical Musical Features.

#### **Patents Granted:**

- Dr.Solaimuthu Chandrakasan, Dr. Chethan Vebkatesh, Dr. Mrunalini Marlakunta, Dr. Bhargavi Mokashi, Dr. Shamanth Nagaraju, Dr. Kavitha Nanjundaiah, Dr. Roopashree Shailendra, Dr.Bhat Sunil, An Intelligent Anomaly Detection System for IOT Networks Using Edge Computing and Deep Learning, German patent Application Number 2025050708081751DE (Granted 05/06/2025)
- Dr.C.Solaimuthu, Dr.R.Manjunatha Prasad, Dr.Chethan Venkatesh, Dr.Akilandeswari.P, Dr.M.Mrunalini, Dr.T.Manoranjitham, Dr.J.Ramaprabha, Dr.Kimmi Kumari, AI based Brain Cancer Detection Device, Indian Patent, Application Number: 453592-001, (Granted on 16/07/2025)
- Dr.Chethan Venkatesh, Dr.Shiva Murthy.G, Intelligent Task Scheduling and Load Balancing in Cloud Computing Systems via Swarm Intelligence Techniques, Indian Patent, Application Number: 202441101106, Submitted on 19/12/2024 (Published on 3/1/2025).

#### **Book Publications :**

- Cloud Demystified: Computing in the 21st century, Scientific International Publishing House, ISBN 978-93-7196-984-0
- Computer Networks for 3rd Semester MCA, VTU, Takur Publications 2.
- Contributing author for global edition of Fluency in Information Technology by Snyder. Pearson Publications

**Membership of Professional Bodies Life Member :** Indian Society for Technical Education (ISTE), Computer Society of India (CSI), The Institute of Doctors Engineers and Scientists (IDES), International Association of Engineers (IAENG), Institute of Electrical and Electronic Engineers(IEEE)

#### **Industrial Training:**

- Wipro (BITS, Pilani – MS Programme for Wipro Employees, WASE – in Data structures and algorithms and operating systems (2009-2010, 2012-13)
- Infosys campus connect in operating systems(2007-2010)
- Wipro recruits at MSRIT in operating systems (2011).

- Lead Lab Facilitator for WASE and WIMS(Wipro (BITS, Pilani – MS Programme for Wipro Employees) for Usability Engineering (2024, 2025)

---

**INTERESTS**

- Extra curricular activities
- Deputy coordinator Department of Extra Curricular Activities (DECA), MSRIT (2022 till date)  
Accompanied college cultural team for two VTU fests (2022 – Prathibhotsava, BMSCE, 2023 – Yuvotsava, Nagarjuna College of Engineering and Technology).
- Member of Department of Extra Curricular Activities (DECA), MSRIT (2013 till date)
- Rajyapuraskar awarded by Governer of Karnataka for the services in Bharat Scouts & Guides.
- Volunteered two years for National Service Scheme
- Participated in Annual athletic meet of MSRIT & won 3rd prize in 2007 for Shot Put
- Participated in Annual athletic meet of MSRIT & won 3rd prize in 2011 for aiming the wicket

---

**LANGUAGES**

English, Hindi, Kannada & Tamil