

Curriculum Vitae

Name: Dr. Rahul Bhagwat Mapari

Address: Saptashrungi Housing Society, Plot No. P-10/8, N-7, Cidco, Chhatrapati Sambhajinagar(Aurangabad) (M.S.), India-431005

E-mail: rahul.mapari@mit.asia/rahulmapari@gmail.com

Mobile: +919028084446

Date of Birth: January 8, 1984



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGP A	Class
Ph.D.	Computer Science Engineering	Dr. B.A.M.U. Chhatrapati Sambhajinagar	Dr. B.A.M.U. Chhatrapati Sambhajinagar	2024	-	-
M.E.	Computer Science and Engineering	MGMCOE, Nanded	SRTMUN	2011	65.54	First
B.E.	Information Technology	PESCOE, Chh. Sambhajinagar	Dr.BAMU	2005	72.26%	Distinction

Research Score as per UGC Regulations 2018: 131.1

Ph. D. Research: Classification of Brain Tumors Using Pattern Recognition Techniques

M. Tech. Project: Analysis of Adaptive Key Management Protocol

Key Research Areas: Image processing, Pattern Recognition, Machine Learning

Experience

Total Teaching Experience: 20 Years 1 Month

Sr. No.	Organization	Post	From	To	Years	Months
1	MSSCET, Jalna	Lecturer	12/12/2005	2/5/2008	2	5
2	SYCET, Chh. Smabhajinagar	Lecturer	3/5/2008	31/7/2011	3	3
3	MIT, Chh. Smabhajinagar	Asst. Professor	5/8/2011	Till date	14	5
4	MIT, Chh. Smabhajinagar	Asst. Prof/Dy Registrar	21/6/2021	Till date	4	7

List of Courses Taught/Teaching at UG level

- Python Programming
- Principles of Programming Languages
- Discrete Mathematics and Graph Theory
- Operating System
- Computer Fundamentals and Programming
- Software Testing and Quality Assurance
- Relational Database Management System
- Web Page Design
- Data Mining and Warehousing
- Discrete Mathematics Structures
- Data Communication and Computer Network
- Programming in VB.Net
- Computer Networks
- User Interface Technology
- Object-Oriented Programming Paradigm
- Computer Networks and Security

List of Courses Taught/Teaching at PG level

- Advanced Database Management System
- Advanced Operating System
- Advanced Image Processing
- Advanced Data Science

Additional Assignments/Duties

- Working as a **Deputy Registrar** and handling the following crucial responsibilities
 1. To supervise the functioning of the Accounts Section and to supervise other sections (Students' Section and Scholarship Section) of the office of the institute.
 2. To supervise all the activities in the Students Section/Scholarship Section/ Accounts Section in the office of the institute and ensure effective functioning of the same.
 3. To ensure the correctness of all the records at the students' and scholarship section and timely readiness of the same.
 4. To maintain and update all records pertaining to students and their fees.
 5. To ensure proper tracking of all the invoices and timely payment of all the vendors/suppliers through the accounts section.
 6. To devise and implement a mechanism to reduce the delivery time for documents required by students.
 7. To prepare the institute budget and monitor the implementation of the sanctioned budget.
 8. To prepare the Fees Regulatory Authority Proposal of the institute for fixation of the fees.
 9. To ensure operation, maintenance, and up-gradation of Enterprise Resource Planning (ERP) with respect to the office of the Registrar.
 10. To track and ensure the timely fee recovery from all the students at the institute.
 11. To be the custodian of the official records in documentary and digital form through ERP and appropriate platforms.
 12. To ensure the compliance of AICTE, AISHE, DTE, UGC, Fee Regulating Authority, Admission Regulating Authority, and University work, as well as keep the record of the same

13. Correspondence with statutory bodies such as AICTE, DTE, DHE, FRA, ARA, University, SWO
14. To assist the Registrar in compliance with the NBA, and NAAC documentation and keep a record of the same.
15. To prepare appropriate office circulars/notices and ensure their timely circulation with all concerned.
16. To coordinate the meetings of statutory bodies such as the Governing Body, College Development Committee, and Finance Committee of the Institute. Also, To prepare and keep the minutes of meetings and Action Taken reports of all such bodies.
17. To extend all support to the other sections, such as Examinations, Admissions, Accounts, and various departments of the institute.
18. Prepare and submit the Annual Progress Report of the Institute to the trust office.
19. To Execute the Higher Classes Admission Process

In addition to the above, handled the following responsibilities:

1. Worked as Coordinator, Oracle WDP Program.
2. Worked as an ERP Deployment Team Member at MIT
3. Worked as Fee Regulating Authority Coordinator
4. Worked as AICTE/DTE Work Coordinator
5. Worked as Dr. BAMU/Affiliation Work Coordinator
6. Worked as Industry Visit Coordinator
7. Worked as Central Budget Coordinator
8. Worked as a Practical Exam Coordinator
9. Worked as a Result Analysis Coordinator
10. Worked as Central TW/CT Marks Verification Committee Member
11. Worked as Project Coordinator
12. Worked as a Class Teacher
13. Working as Lab In-Charge of the Computer Center
14. Worked as Online Class Test Coordinator

Membership in Professional Bodies

- A lifetime member of the Cryptographic Research Society of India
- A lifetime member of the Computer Society of India.

Computer/Software Proficiency

- Python
- MATLAB (Mathematical programming language and optimization)
- 'C' Programming
- C++ Programming
- Oracle
- MS SQL Server
- MY SQL
- Visual Basics
- C#.Net
- Core Java

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Attended a one-day Instructional workshop on MATLAB at MSS College of Engineering and Technology, Jalna on 28th August 2006.
- Attended two-day workshop on effective teaching at MSS College of Engineering and Technology, Jalna on 18th and 19th August 2007.
- Attended three days of Instructional workshop on Cryptography at Manipur University Imphal from 5th to 7th May 2010.
- Attended a one-day workshop on Latex at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) on 17th November 2011.
- Attended a three-day Faculty Induction Program at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 9th to 11th January 2012.
- Attended three days Faculty and Content Development Program at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 8th to 10th July 2013.
- Attended a four-day workshop on Moodle at Walchand Institute of Technology, Solapur From 21st to 23rd February 2013.
- Attended a one-day workshop on Outcome Based Education at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) on 27th September 2012.

- Attended five-day STTP on Software Testing at RCOEM, Nagpur from 4th to 8th January 2016.
- Attended a three-day Faculty Development Program on Cyber Security at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 28th January 4th February, and 16th February 2016.
- Attended a two-day workshop on Outcome Based Education at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 4th and 5th December 2017.
- Attended a one-day workshop on Spoken Tutorial at Dept. Of CSE and IT, Dr BAMU, Chhatrapati Sambhajinagar(Aurangabad) on 20th February 2018.
- Attended a six-day STTP on Deep Learning at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 2nd to 7th July 2018.
- Attended eight days of FEP on InfyTQ Based Foundation Program at Maharashtra Institute of Technology, Chhatrapati Sambhajinagar(Aurangabad) From 6th to 13th May 2019.
- Attended 8 weeks FDP on “TALE2: Course Design and Instruction of Engg Course”, NPTEL, IIT Bombay, June-Sept 2019.
- Attended six days of FDP on effective proposal writing for research and funding, Sandip Foundation, Nashik from 13th May to 18th May 2020.
- Attended 12-week FDP on NBA accreditation and teaching-learning in engineering, NPTEL, IIT Bombay, Jan-April 2020.
- Attended five days of FDP on Python, Sou Venutai Chavan Polytechnic, Pune, from 11th May to 15th May 2020.
- Attended five days of FDP on Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020), Government College of Engineering, Karad, from 26th May to 30th May 2020.
- Attended three days FEP on “Database Management system through INFYTQ program”, Infosys Ltd, 22nd July to 24th July 2020.
- Attended six days of FDP on Artificial Intelligence using Python, AISSMS, Pune, 14th Sept to 19th Sept 2020.
- Attended one week (5 days) FDP on Mastering AI and GPT: Unleashing the Power of Intelligent Automation, NIELIT & MIT, Chh. Sambhajinagar, 9th June to 13th June 2025.

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- Organized five days of FDP on Agile Technology at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) From 25th to 29th December 2015.
- Organized six days of STTP on Deep Learning at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) From 2nd to 7th July 2018.
- Organized six days of FDP on Data Science at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) From 24th to 29th July 2019.
- Organized “International Web conference on Impact of COVID-19 on Library Resource Sharing” at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) From 13th to 13th June 2020.
- Organized “National Level Online Project Competition “TECHPRO” at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) on 27th June 2020
- Organized Online Faculty Development Program under AICTE TRAINING & LEARNING PROGRAM Academy (ATAL Academy) on “Cyber Security and Cyber Forensics” at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar(Aurangabad) from 06th July to 10th July 2021.

Patents/Intellectual Property Rights/ Copyright

1. **Indian Design Patent:** “Deep Learning Based Apparatus for classification and segmentation of brain tumors ” **Design Number/Application No: 405901-001**, Filing Date: 29.1.2024, **Date of Issue of the Patent:** 28.3.2024.
2. **Indian Patent:** “Digitization of Highway Roads for Susceptible Road Safety Expansion with Intellectual IOT Sensors and Machine Learning” **Indian Patent Application Number:** 202141054669, Filing Date: 26/11/2021, **Online Publication Date:** 10/12/2021, The Patent Office Journal issue no 50/2021
3. **Registered Copyright** for the lab chart titled “Example of Bubble Sorting Technique in Data Structures”, Registration Number: L-92788/2020, Dt. 14/7/2020.

ROC No	: L-92788/2020
ROC Date	: 14 Jul 2020
Diary No.	: 19736/2019-CO/L
Work Title	: Example of bubble sorting technique in data structure

Type of Work	: Literary/ Dramatic
Published	: No
Applicant Name	: Rahul Mapari
Author Name	: Rahul Mapari, Kiran Khandarkar, Jaykumar Dhage,

4. **Registered Copyright** for the software titled “MRI Brain Tumor Segmentation and Classification Using Neural Network”, Registration Number: L-92788/2020, Dt. 07/04/2021.

ROC No	: SW-14374/2021
ROC Date	: 07 Apr 2021
Diary No.	: 1752/2021-CO/SW
Work Title	: MRI Brain Tumor Segmentation and Classification Using Neural Network
Type Of Work	: Computer Software
Published	: No
Applicant Name	: Rahul Mapari, Sangeeta Kakarwal, Abhijeet Wadekar
Author Name	: Sangeeta Kakarwal, Rahul Mapari, Abhijeet Wadekar

5. **Registered Copyright** for the software titled “MRI Brain Tumor Segmentation and Classification Using Neural Network”, Registration Number: L-92788/2020, Dt. 07/04/2021.

ROC No	: SW-14829/2021
ROC Date	: 20 AUG 2021
Diary No.	: 12465/2021-CO/SW
Work Title	: Automated System for Identification, Segmentation and Categorization of Brain Tumor Using Fuzzy System
Type Of Work	: Computer Software
Published	: No
Applicant Name	: Rahul Mapari, Dr. Ratnadeep R. Deshmukh, Dr. Sangeeta Kakarwal, Dr. D. V. Kurmude
Author Name	: Rahul Mapari, Dr. Ratnadeep R. Deshmukh, Dr. Sangeeta Kakarwal, Dr. D. V. Kurmude

6. **Registered Copyright** for the software titled “A Novel Deep Learning Model for Segmentation and Classification of Brain Tumors”, Registration Number: SW-19080/2024, Dt. 21/06/2024.

ROC No	: SW-19080/2024
ROC Date	: 21/6/2024
Diary No.	: 11740/2024-CO/SW
Work Title	: A Novel Deep Learning Model for Segmentation and Classification of Brain Tumors
Type Of Work	: Computer Software
Applicant Name	: Dr. Sangeeta Kakarwal Rahul Mapari, Ms. Dhanshri S Bedwal, Dr. Pranjali P. Kakarwal

7. **Registered Copyright** for the software titled “Advanced Deep Learning Model for Classification and Segmentation of Brain Tumors”, Registration Number: SW-19015/2024, Dt. 26/06/2024.

ROC No	: SW-19015/2024
ROC Date	: 26/6/2024
Diary No.	: 35054/2023-CO/SW
Work Title	: Advanced Deep Learning Model for Classification and Segmentation of Brain Tumor
Type Of Work	: Computer Software
Applicant Name	: Dr. Sangeeta Kakarwal Rahul Mapari, Ms. Dhanshri S Bedwal, Dr. Pranjali P. Kakarwal

8. **Registered Copyright** for the software titled “Automated Skin Cancer Detection using Deep Learning”, Registration Number: SW-2025021951, Dt.27/11/2025.

ROC No	: SW-2025021951
ROC Date	: 27/11/2025
Diary No.	: SW-37319/2025-CO
Work Title	: Automated Skin Cancer Detection using Deep Learning
Type Of Work	: Computer Software
Applicant Name	: Ms. Utkarsha Vishwasu, Abhinav Ingle, Dipti Kulkarni, Gauri Shendekar, Dr. Rahul Mapari

List of Research Publications

Papers in National/ International Journal

1. Dipa D. Dharmadhikari, Arti Wadhekar, Rahul Mapari, 2011, “Maximum Power Point Tracking Algorithm for Photovoltaic System Using Simulation”, International Journal of Graphics & Image Processing, Vol 1, Issue 1, pp.93-97.
2. Jaykumar Dhage, Dipa D. Dharmadhikari, Rahul Mapari, 2012, “The Statistical Analysis of Audio Watermarking Using the Discrete Wavelets Transform and Singular Value Decomposition”, International Journal of Computing and Corporate Research, Vol 2, Issue 1, pp.1-16.
3. Kiran R Khandarkar, Rahul B Mapari, 2012, “Analysis of Group Key Management Scheme using One-way Function Tree, International Journal of Applied Information Systems (IJAIS) – ISSN: 2249-0868 Foundation of Computer Science FCS, New York, USA, Vol 1, Issue 3, pp.6-10.

4. Rahul B Mapari, Prashant M. Adhao,2013, “Analysis of Adaptive Group Key Management Protocol using NS2”, International Journal of Advanced Networking and Applications (IJANA), Volume: 04 Issue: 06, pp1772-1777.
5. Mr Markad Shrikant K, Prof.Rahul B. Mapari,2014,” Protected Distribution of PHR Using Attribute-Based Encryption in Cloud Computing”, International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Volume-2, Issue-9, pp 165-171.
6. Patil Nikhil N, Mapari Rahul B, 2014, A Comprehensive Survey on Data Integrity Proving Schemes in Cloud Storage, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 10, pp:8163-8166.
7. Mr Markad Shrikant Kacharu, Prof. Rahul B. Mapari, 2015, Determining Security and Efficiency of PHR using Different Algorithms with Attribute-Based Encryption in Cloud Computing, International Journal for Scientific Research & Development| Vol. 3, Issue 10, 2015 | ISSN (online): 2321-0613, pp 979-983.
8. Miss. Ankita Manwatkar, Prof. R. B. Mapari, 2016, “Twitter Data Mining using Naive Bayes Multi-Label Classifier”, International Journal for Scientific Research & Development, VOL 4 ISSUE 7,2016, ISSN (online): pp 650-652.
9. Tarika P. Jawale, Prof. R.B. Mapari,2017, “Review on secure and dynamic multi-keyword ranked search scheme over encrypted cloud data”, International Journal of Advance Engineering and Research Development, Vol 4, issue 1, ISSN2348-4470, pp 365-368.
10. Prashant M. Adhao, Rahul B. Mapari,2017, The Internet of Things: New Age, International Journal of Engineering Development and Research, Vol 5, Issue 2, ISSN 2321-9939, pp 352-357.
11. Rahul B. Mapari, Dr. Anilkumar N. Holambe, 2018, “Brain Tumor Classification Using Pattern Recognition Techniques: The Comprehensive Review”, International Journal of Scientific Research in Science and Technology, Vol 4, Issue 2, ISSN: 2395-6011, Pg. 730-738.(UGC CARE)
12. Prashant M. Adhao, Rahul B. Mapari, 2018, Internet of Everything (IoE): The new way to connect, International Journal for Research in Applied Science & Engineering Technology, Vol 6, Issue 4, pp 1885-1886.
13. Patil N.N. 1, Mapari R.B.2, 2019, Meta Data Based Data Integrity Tracking Scheme in Cloud Environment, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue 1, pp 824-828.

14. Tarika P. Jawale, Prof. R. B. Mapari, 2019, "Secure and Dynamic Multi-Keyword Ranked Search Scheme Over Encrypted Cloud Data Using K-Means Clustering", International Journal of Scientific Research in Science and Technology, vol 6, issue 2 pp 453-458.
15. Prashant M. Adhao, Rahul B. Mapari, 2019, "The Internet of Things (IoT) Protocols and Connectivity", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue V, pp 2627-2630.
16. Rahul Mapari, Sangeeta Kakarwal, Ratnadeep Deshmukh, 2020, "Brain Tumor Classification and Segmentation using DTCW Transform, Back Propagation Neural Network and Spatial Fuzzy C-Means Clustering", International Journal of Innovative Technology and Exploring Engineering, Volume 9 Issue 5, pp 2073-2079. **(Q4/SCOPUS)**
17. Rahul Mapari, Sangeeta Kakarwal, Ratnadeep Deshmukh, 2020, "MRI Brain Tumor Image Classification Using Morphological Operations and Neural Network Algorithm", International Journal of Scientific & Technology Research, International Journal of Scientific & Technology Research, Volume 9 Issue 6, pp 52-58. **(Q4/SCOPUS)**
18. Rahul Mapari, Sangeeta Kakarwal, Sushant Khedgikar, 2020, "Semantic Web- Future of Web Technology", Open Access International Journal of Science and Engineering, Volume 5 Issue 8, pp 83-87.
19. Rahul Manohar Patil, Rajendra V. Patil, Umesh Bhimrao Pagare, Dr Rajesh Kedarnath Navandar, Rahul Mapari, Dr Mahua Bhowmik, Dr Shailesh Shivaji Deore, 2023, "Anomaly Detection in Network Security: Deep Learning for Early Identification", International Journal of Intelligent Systems and Applications in Engineering, Volume 12 Issue 179, pp 133-144 **(Q4/SCOPUS)**
20. Sangeeta Kakarwal, Rahul Mapari, 2024, Enhanced Detection and Segmentation of Brain Tumors Using a Dense BW-CNN Approach, Journal of Engineering Wiley, Volume 2024, Issue 1, pp 1-14. **(Q1/SCIE/SCOPUS)**
21. Sangeeta Kakarwal, Rahul Mapari, 2024, A Novel Approach for Detection, Segmentation, and Classification of Brain Tumors in MRI Images Using Neural Network and Special C Means Fuzzy Clustering Techniques, Advances in Nonlinear Variational Inequalities, Volume 27 Issue 3, pp 837-872 **(Q4/SCOPUS)**
22. Nitinkumar Marotrao Waghmare, Bharti Jagdale, Harshada Bhushan Magar, Rahul Bhagwat Mapari, Rohini Pochii, Maksadbek Babajanov, Ugiljon Qushnazarova, 2025, Integrating machine learning models to assess the combined risk of diabetes and

tuberculosis in populations, Indian Journal of Tuberculosis(Elsevier), Volume 72, Supplement 3, pp S106-S114, <https://doi.org/10.1016/j.ijtb.2025.11.014>,
(Q3/SCOPUS/Elsevier)

23. Rahul Bhagwat Mapari, Asif Ibrahim Tamboli, Prachi Tamhan, Yogita Shelar, Sushil Bhise, C. Anil Kumar, Multi-modal AI approach for Early Tuberculosis Detection by combining symptom, imaging, and clinical data, Indian Journal of Tuberculosis, Volume 72, Supplement 3, pp S92-S98, <https://doi.org/10.1016/j.ijtb.2025.11.012>
(Q3/SCOPUS/Elsevier)

24. Sheeba G., Mapari R. B., Alshikhe R. R., Vijayaraj A., Victoria D. R. S., Kistan A., Suriyakrishnaan, K. Kamaludeen, & Rajaram A, Deep Learning-Driven MRI Brain Tumor Segmentation With Multi-Scale Attention Mechanisms, Journal of Environmental Protection and Ecology, Volume 26, Issue 8, pp. 3269–3279
(Q4/SCOPUS)

Papers in International Conference Proceedings

- Rahul B Mapari, Feb 2012, “Analysis of Adaptive Group Key Management Protocol using NS2”, International Conference on Recent Technologies(Icort 2012) Organized by IOK, Pune.
- Rahul Mapari, May 2023, “Brain tumor edge detection by segmentation technique”, 3rd International IEEE Conference on Innovative Practices in Technology and Management (ICIPTM 2023). (SCOPUS)

Reviewer for Journals

- International Research Journal of Multidisciplinary Technovation(Q4, Scopus Indexed)

NPTEL Certification

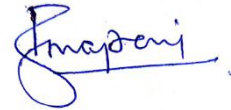
Start Date	End Date	Duration (In Weeks)	Course Name	Marks (Out of 100)	Performance
29/7/2019	20/9/2019	8	Teaching and Learning in Engineering TALE II	77	Elite-Silver

Awards, Achievements, and Recognition

- Recognized by Infosys as Bronze Partner Faculty 2016.
- Recognized by Infosys as Bronze Partner Faculty 2017.
- Recognized by Infosys as Bronze Partner Faculty 2018.

Date: 5.2.2026

Place: Chhatrapati Sambhajanagar



Signature