CURRICULUM VITAE OF Dr. M.A.RIZVI

Name : Dr. Murtaza Abbas Rizvi

Designation: Associate Professor
       National Institute of Technical Teachers' Training and Research (NITTTR)
       Shamla Hills, BHOPAL M.P. India)
Phone: 0755 - 2661600 - 602 and 701 -702
Fax: 0755-2661996

Father's Name : Prof. S.H.A. Rizvi

Date of Birth : 20th November, 1965

Address : 6/7, Creative Garden, Near Saifia College Gate No. 1
       Koh-e-fiza, Bhopal-462 001 (M.P.), India
       Phone: 0755-2547434
       Mobile: 09425012014
       e-mail: marizvi@nitttrbpl.ac.in, marivi@hotmail.com, marizvi@rediffmail.com,
       rizvi.am@gmail.com.

Educational Qualifications:

S.No.	Exam.	Year	Board/University	Division
1.	H.S.S.C	1982	M.P. Board, Bhopal	IInd
2.	B.Sc.	1985	Bhopal University, Bhopal	Ist
3.	PGDCA*	1987	Aligarh Muslim University, Aligarh	Ist
4.	M.Sc. Electronics	1989	Barkatullah University, Bhopal	Ist
5.	MBA**	1997	Barkatullah University, Bhopal	Ist
6.	Ph.D.***	2011	Maulana Azad National Institute Technology, (MANIT), Bhopal (Deemed University)	Awarded

* MIS on "On-line inventory control system" for Switch Gear Unit, BHEL, Bhopal.
** Project on "Selection and Recruitment procedures" followed by different companies.
*** Title: "Enhancing Routing Efficiency Using Agents" a new routing Protocol is designed.

Patent
   1. 3 layer ATM security by P Santosh Kumar, M Manju Khari, Khaleel Ahmed, M A Rizvi, Anu Mangal and Ranjana Kumari Ashwariya Suryawanshi.
   2. Patent Title: "HIHO- Blockchain Technology": HEALTH INFORMATION AND HEALTHCARE OBSERVATION USING BLOCKCHAIN TECHNOLOGY by M A Rizvi, Dr. Manju Khari, Dr. Khaleel Ahmad, Dr. Khalim Khujamatov, Dr. Djamshid Sultanov accepted in Australian Government, IP Australia Innovation Patent, Australia.
   3. Patent title: "C/D card fraud detection": intelligent process to detection debit /credit card fraud using machine learning contributor's name Dr. M A Rizvi, Dr. Khaleel Ahmad, Dr. Manju Khari, Dr. Tamanna Siddiqui, Dr. Khalim Khujamatov in the patents act.1970 (39 of

1970) & the patents rules, 2003 statement and undertaking under section 8 by Indian Government.

General Chair in International Conference

General chair of 1st International Conference on Computer and Electronics Engineering 2016, (ICCEE-2016) 9th & 10th Jan, 2016, Hyderabad, India

Doctorate Thesis Evaluation and Final Defense

- Evaluated the Thesis of Ms Preeti Bailke in subject Computer Engineering titled **"Improving performances of associative multi-label document classification algorithm using a semantic approach and grouping of association rules"** submitted in to BCUD, Savitribai Phule Pune University May 2019.
- Evaluated thesis and external examiner in the subject Computer Engineering of Ms Kajal Shambhubhai Patel titled **"Reliable Routing Protocol for Mobile Ad hoc Network"** submitted to Gujarat Technical University 2019.
- Evaluated Thesis of Ms. Sharmistha Desai in the subject Computer Engineering titled **"Distributed algorithm for Pattern Classification and prediction of big data by using machine learning techniques"** submitted to BCUD, Savitribai Phule Pune University 2018.

Research Guided

Doctorate

1. Mr. Shadab Pasha "Next Generation Network and it Security Strategies" Computer Engineering from AISCET University Bhopal.
2. Ms Anu Mangal "AI based routing optimizations in 5G networks" Electronics and Communications from RGPV, Bhopal.

International Award

- Nominated "Academic Coordinator of the Year" in "International Business and Academic Excellence Awards (IBAE-2019)" in recognition of exceptional caliber and outstanding performance in chosen area of Academic & Research. The award presentation "IBAE Awards - 2019" ceremony held on 31st October 2019 at The American College of Dubai, Dubai, UAE.

Monograph Published

- **"Secure Communication in Oppnet Using ECC"** by Pragati Ambekar, M A Rizvi and Khaleel Ahmed by LAP LAMBERT Academic Publishing , Germany

Copyright

- A copyright classified under Computer Literary/Dramatic Work Registration No. L-85128/2019 registered in India jointly by Abdul Ahad, Parag Sohni, Vivek Richarya and M A Rizvi titled **"Computer Vision Based Automatic Attendance Calculation And Updating System".**

- A copyright classified under Literary Work Registration No. L-75027/2018 registered in India jointly by Ram Naresh Verma and M A Rizvi titled "**An Improved Genetic Algorithm based Weight Optimized RBF Kernel system for Face Recognition**".

M. Phil

- Awarded to Mr. Javed Khan Title "Performance evaluation DSDV, DSR and AODV Routing in MANET" from AISCET University Bhopal.

M.E. /M.Tech. Dissertation guided

1. **"Hyper-spectral Face Recognition Using color Comparison"** to Shivi Shrivastava om RGPV, Bhopal
2. **"Route Optimization of Opportunistic Network Using Fizzy PRoPHET"** to Santosh Kumar Chumgunia in RGPV, Bhopal
3. **"Energy Efficient Routing Protocols for Wireless Sensor Networks",** to Swikriti Dandotia, RGPV, Bhopal.
4. **"A Novel Resource Aware Algorithm for Virtual Machine Learning in Cloud Envirnment"** to Priyanshi Singh, RGPV, Bhopal.

5. **"Minimizing Energy Consumption in Green Cloud Using Improved DVFS based on DNS Scheme"** to Sunidhi Baghel, RGPV, Bhopal.

6. **"Efficient Technique To Improve Clustering Accuracy On Web by Using Hybrid Approach"** to Monika Sharma, RGPV, Bhopal.

7. **"An Efficient Deputation of Cloud Data Using Improved Policy based Encryption"** to Deeksha Chouksey, RGPV Bhopal.

8. **"An Extensive Analysis to find the Efficient Clustering Algorithm for Corporate Bond Data"** to Utkarsha Bagore, RGPV, Bhopal.

9. **"Secure Communication is Oppnets Using ECC"** to Pragati Ambekar, RGVP, Bhopal.

10. **"Design a MIXNET Using EC^2 For Secure Communication in Ntwork"** to Alka Pandey, RGPV, Bhopal.

11. **"Improved Heart Disease Attack Prediction Technique Using Deep Neural Network"** to Himanshu Sharma, RGPV, Bhopal.

12. **Improved PSNR Using Proposed DWT Digital Watermarking Technique"** to Ifra Iqbal Khan RGPV, Bhopal.

13. **"Optimize Data Aggregation For Big Data Applications Using Map Reduce Frame work"** to Suchi Singh Parihar. RGPV, Bhopal.

14. **"Intelligent Web Server Usability and Performance Improvement"** to Akshay Gupta, RGPV, Bhopal.

15. **"Dynamic key based Hybrid Encryption Method for Data security in Cloud Computing"** to Ram Kinker Sharma.

16. **"Improving Network Efficiency is context of Content Delivery System"** to Manish Kumar Pal, RGPV, Bhopal.

17. **"IBFR: An Effective and Efficient Face Recognition Technique"** to Manoj Kumar Chandravanshi, RGPV, Bhopal.

18. **"Improving Network Efficiency in Context of Content Delivery System"** to Manish Kumar Pal, RGPV, Bhopal

19. **"Analysis of Recommendation System based on Collaborative Filtering"** to Urvashi Shrivastava, RGPV, Bhopal.

20. **"Infiltrator Identification Against Node Isolation Attack Base in OSLR**", to Yogesh Sahu RGPV, Bhoal.

21. **"Symmetric Key Cryptographic Algorithm based on Logrithmic Function"** to Preksha Nema, RGPV, Bhopal

22. **"Energy Efficient Protocol for Wireless Sensor Networks"** to Raksha Bajpai, RGPV, Bhopal.

23. **"An Energy Efficient Load Balancing Approach To Increase Security in Cloud Infrastructure"** to Kratika Singh Tomar, RGPV, Bhopal.

24. **"Prevention of Black Hole Attack in AODV by Using AFAODV"** to Deepika Shrivastava, RGPV, Bhopal.

25. **"Energy Conservation in DSR Using Multipath in MANET"** to Archana Pradhan, RGPV, Bhopal.

26. **"An Improved Genetic Algorithm Based Wight Optimized RBF Kernl System for Face Recognition"** to Ram Naresh Verma, RGPV, Bhopal.

27. **"Efficient Multipath AODV with Proportional Load Sharing"** to Neelam Phate, RGPV, Bhopal.

28. **"Enhancing Energy Efficiency of Wireless Sensor Network by Optimal Placement of Relay and Sink Nodes"** to Ankur Pandey RGPV, Bhopal.

29. **"Security Against Node Isolation Attack on OLSR by Modifying MPR Selection Process"** to Devesh Malik, RGPV, Bhopal.

30. **"External Authentication for Virtual Private Network Using LDAP"** to Anupriya Shrivastava, RGPV, Bhopal.

31. **"An Efficient Approach of Image Retrieval: Query Based Image Management System"** to Ms Monika Sahu, RGPV, Bhopal.

32. **"Proficient Data Communication in MANET using Spanning Tree"** to Ms. Priyanka Patil, RGPV, Bhopal.

33. **"An Improved Task Scheduling Algorithm on E-learning Using Cloud"**, to Ms Kritika Verma, RGPV, Bhopal.

34. **"An Efficient and Improved Adhoc on Demand Distance Vector Routing: IAODV"** to Mr. Madhup Shrivastava, of RGPV, Bhopal.

35. **"Computerization of Staff development Plan for the Govt. Polytechnic Nagpur under DTE Maharashtra State"** to M A Rehman of Barkatullah University, Bhopal in the year 2007.

36. **"Design and developed an MIS for community polytechnic"** to B B Ladge of Barkatullah University, Bhopal in the year 2001.

Chief Advisor

Global Association for Humanities and Social Science Research **(GAHSSR)** is a global group of scholars, academicians and professionals for encouraging intellectual development and providing opportunities for networking and collaboration. GAHSSR is promoted by Global Research & Development Services **(GRDS).**

Society of Mechanical and Automotive Engineers Society (SMAE), challenges the undergraduate and diploma Engineers to research and develop innovative projects, inspires them to imagine, as imagination is more important than knowledge, Knowledge is limited,

Editor in chief

- Editor of proceeding 1st International Conference on Computer and Electronics Engineering 2016, (ICCEE-2016) 9th & 10th JAN, 2016, Hyderabad, India Proceeding published by Mc Graw Hills Education.
- Appointed as an editor in Chief of the proceeding book published for the conference Fifth International Conference on Computational Intelligence and Information Technology – CIIT 2015 CIIT and Fourth International Conference on Advances in Electrical Measurements and Instrumentation Engineering - EMIE 2015 EMIE 2015 will be held during 1 -2 August 2015 Bangalore, India.

Member of Advisory Board

- Member Advisory committee Ist International Conference on **"Next Generation Computing Technologies"** (NGCT -2018) Current and the future Trends 26-27 October, 2018 in Dehradun, India technically co-sponsored by IEEE up section.
- International Scientific Development Organization (ISDO)
- Editing book titled "**Web Usage Mining Techniques and Applications Across Industries"** to be published by IGI Global**.**

- Malaysia Technical Scientist Congress (MTSC) Organization. As Non-Government Organization (NGO), an excellent NGO role model for all academic staff all around Malaysia.
- International Journal of Computer and Technology (IJCT) ISSN 2277-3061 (Online), managed by (IJCT) foundation, CA, USA.
- World Academy of Research in Science and Engineering **(WARSE)** is a registered non-profit organization that was created to recognize abilities and acknowledge achievements of all, ranging from academic research and professional communities to industry professionals in a wide range of topics in Science and Engineering. Also publishing following Journals.
- International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE) ISSN No. 2278 - 3091 is an international online journal published 6 issues per year.
- International Journal of Science and Applied Information Technology (IJSAIT) ISSN No. 2278-3083 is an international refereed research online journal.
- International Journal of Computing, Communications and Networking (IJCCN) ISSN 2319 - 2720 is an international online journal published 6 issues per year.
- International Journal of Networks and Systems **(IJNS) ISSN 2319 - 5975** is an international online journal published 6 issues per year.
- International Journal of Wireless Communications and Networking Technologies (IJWCNT**)** ISSN 2319 – 6629 is an international online journal published 6 issues per year
- International Journal of Information Systems and Computer Sciences (IJISCS) ISSN 2319 – 7595 is an international online journal published 6 issues per year
- International Journal of Information Technology Infrastructure (IJITI) ISSN 2320 –2629 is an international online journal published 6 issues per year
- International Journal of Multidisciplinary in Cryptology and Information Security (IJMCIS) ISSN 2320 –2610 is an international online journal published 6 issues per year
- International Journal of Advances in Computer Science and Technology **(IJACST)** ISSN 2320 – 2602 is an international online journal published 6 issues per year
- International Journal of Microwaves Applications **(IJMA)** ISSN 2320 –259 international online journal published 6 issues per year
- International Journal of Emerging Trends in Engineering Research **(IJETER)** ISSN 2347 - 3983

Member Editorial Board International Journal

- Acta Scientific Computer Sciences ISSN: 2581-365X
- International Research Journal of Multidisciplinary Science & Technology ISSN : 2455-930X
- Journal of Computer Science and Artificial Intelligence"from Gnome Publications.
- SCIREA Journal of Computers of Science Research Association.
- International journal of computer science & information Technology (IJCSIT) - INSPEC Indexed
- Computer Science & Engineering: An International Journal (CSEIJ)
- International Journal of Computer Science, Engineering and Applications (IJCSEA)
- International Journal of Computer Science, Engineering and Information Technology (IJCSEIT)
- Computer Applications: An International Journal (CAIJ)
- Information Technology in Industry (ITII) - ESCI(WOS) Indexed
- International Journal of Computation, Information and Communication Technology" (IJCICT) by G J Publication
- International Journal of Mobile Network Communications & Telematics (IJMNCT) having an ISSN No 1839- 5678.

- Journal of Web Development and Web Designing **published by MAT journals.**Journal of Information Technology and Sciences **published by MAT journals.**
- Journal of Network Security Computer Networks **published by MAT journals.**
- **Independent Journal of Management & Production (IJM&P) quarterly (ISSN No. 2236-269X) is independent Journal of Management & Production is a Brazilian electronic journal.**
- Journal of "International journal of engineering & science in English published monthly IJATES " (ISSN: 2348-7550) by AR Research Publication, New Delhi published by Council of Innovative Research US.
- **Journal of Advances in Physics**" ISSN 2347-3487 published by Council of Innovative Research US.
- **International Journal of Networking and Parallel Computing** ISSN 2319-4529 published by Council of Innovative Research US.
- **Journal on Today's Ideas - Tomorrow's Technologies (JOTITT) ISSN No** print 2321 3906 and online ISSN No 2321 7146.
- **International Journal of Computer and Information Technology** ISSN No. 2229-3531 **published by Council of Innovative Research US.**
- **Indian Journal of Education and Information Management** ISSN No. 2277–5366 (Print), ISSN No. 2277- 5374 (Online)
- **International Journal of Computers and Technology** having ISSN Number 2277-3061 (Online) from USA

Reviewer Board, International Journal

- International Journal of Wireless Networks and Broadband Technologies (IJWNBT) IGI Global ISSN: 2155-6261
- International Journal of Computing and Digital Systems (IJCDS) ISSN 2210-142X
- International Journal Asian Journal of Mathematics and Computer Research ISSN: 2395-4205 (Print), 2395-4213 (Online)
- International Journal Of Computer Science And Business Informatics (IJCSBI) ISSN: 1694-2507 (Print) and ISSN: 1694-2108 (Online)
- International journal International Journal of Digital Information and Wireless Communications (IJDIWC), *Published by The Society of Digital Information and Wireless Communications Miramar Tower, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong*
- International journal of Computer Technology and Applications ISSN No. 1934-7332, Illinois 60048 U.S.A.
- International Journal of Computer and Electrical Engineering, (IJCEE) ISSN: 1793-8198 (Online Version); 1793-8163 (Print Version), International Association of Computer Science & Information Technology Press. Singapore
- International Journal of Computer and Technology (IJCT) ISSN 2277-3061 (Online), managed by (IJCT) foundation, CA, USA.

Jury member IEEE (AIYEHUM 2014)

- Contributed as Jury member in First Vishwakarma National Skills Excellence award for Innovative pedagogy in Higher education by Shri Vishwakarma Skill University Gurgaon, Haryana Sept, 2020.
- All IEEE-R10 Young Engineers' Humanitarian Challenge 2014 (AIYEHUM 2014) The All IEEE-R10 Young Engineers' Humanitarian Challenge (AIyeHum) is a project-contest to encourage young

scientists and engineers to solve real-world challenges applying science and technology. The contest aims at orienting young minds towards identifying community problems and developing technology solutions to address them, focusing on actual implementation reaching the beneficiaries all Asian Contest.

Judge Research/working model Competition

1. Judge for best paper award in National Conference on Skill Development and Entrepreneurship: Scaling New Horizons during 18-19 Feb 2020 at NITTTR, Bhopal.
2. Evaluated the research paper for selecting the Young Scientist in "Computer Science Engineering and Information Technology" theme in 34th Youth Scientist Congress organized by Madhaya Pradesh Council of Science and Technology, Bhopal for the year 2019.
3. Judge NIRMAAN 2K19 all India working model competition during 12 and 13 April 2019 in collaboration with SAE student chapter IIIE student chapter SISTech Mechanical Engineering Association SMEA
4. Judge NIRMAAN 2K18 all India working model competition during 16 and 17 April 2018 in collaboration with SAE student chapter IIIE student chapter SISTech Mechanical Engineering Association SMEA
5. Judge NIRMAAN 2K17 all India working model competition during 3 and 4 April 2017 in collaboration with SAE student chapter IIIE student chapter SISTech Mechanical Engineering Association SMEA
6. Judge NIRMAAN 2K16 all India working model competition during 11 and 12 April 2016 in collaboration with SAE student chapter IIIE student chapter SISTech Mechanical Engineering Association SMEA
7. Evaluated the research paper for selecting the Young Scientist in "Computer Science Engineering and Information Technology" theme in 30th Youth Scientist Congress organized by Madhaya Pradesh Council of Science and Technology, Bhopal during 28th Feb and 1st March 2015.

Poster Paper Session Judge International Conference

Judge the poster paper session in an **International conference on Engineering Education**: Innovative Practices and Future Trends (AICERA 2012)" sponsored by IEEE Education Society and IEEE Kerala Section held in July 2012 at Amal Jyothi College of Engineering, Kanjirappally Kerala India**, along with** Prof. Dr. Rob Reilly President, IEEE Education Society

Special Session

Special session on "Opportunistic Network and Security Issues" in **5th IEEE Global Conference on Consumer Electronics** (GCCE 2016) is an annual international conference sponsored by IEEE Consumer Electronics Society, will be held during 11 – 14 of October at Koyoto Japan

Session Chair International/National Conference

- Chaired 2 sessions in **IEEE sponsored International Conference on Advances in Technology, Management & Education (ICATME-2021)** during 08-09 January 2021

- Chaired a session in **11th International Statistics Congress" (ISC)** The conference is organized biennially by the Turkish Statistical Association with a collaboration of Giresun University **held in Vogue Hotel during n 4 October and 8 October 2019 in Turkey, Bodrum**
- Chaired a session in National Conference on "**RECENT TRENDS IN APPLIED SCIENCES AND COMPUTING ENGINEERING (RTASCE 2018)**" during December 21-23, 2018 at School of Advanced Sciences Languages & School of Computer science and Engineering VIT Bhopal University.
- Chaired a session in Two days National Seminar Emergence of Cloud Computing Big Data in New IT Perspectives during 7 – 8 Sept. 2018, sponsored MPCST, Bhopal organized by Bhopal School of Social Sciences, Bhopal.
- Chaired a session in 28th International Conference on Teaching, Education & Learning (ICTEL) Organized by ASSOCIATION FOR DEVELOPMENT OF TEACHING, EDUCATION AND LEARNING (ADTEL) during 20-21 Dec- 2017 Flora Grand Hotel, Near Al Rigga Metro Station, Deira, Dubai, United Arab Emirates.
- Chaired a session in 2rd International Conference on Recent Trends in Computer Science and Electronics **(RTCSE'17)**" organized by Gyancity Research Lab. The conference held on 02-03 January 2017 at Hotel Swiss garden Malasiya.
- Chaired 3 sessions in National Conference on **"Assemblage of Digital Era 2016"** at Bhopal School of Social Sciences, Bhopal during 18 – 19 March 2016.
- Chaired a session in **1st International Conference on Computer and Electronics Engineering**, 2016 (ICCEE-2016) held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri.
- Chaired a session in National Seminar on **"Recent Trends in Network Security"** in association with UGC sponsored National seminar at Bhopal School of social Sciences, Bhopal during 13 – 14 March 2015.
- Chaired a session **"Wireless and Sensor Network"** in International Conference in Communication System and Network Technologies CSNT-2014 sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 8 - 9 2014.
- Chaired a session **"Global trends in education Research"** in International conference World Congress on Education (WCE 2013) held in London, UK from the 2nd to the 4th of September, 2013**.**
- Chaired a session in an International conference on **"Engineering Education: Innovative Practices and Future Trends (AICERA 2012)"** sponsored by IEEE Education Society and IEEE Kerela Section held in July 2012 at Amal Jyothi College of Engineering, Kanjirappally Kerela India.

Keynote Speaker International Conference

1. 3rd International Conference on Machine Learning and Intelligent Systems (MLIS 2021) will be held during November 8th-11th, 2021 in Xiamen, China.
2. Global Summit on Applied Science, Engineering and Technology GSASET2022 will be held during 17th – 19th of March 2022 in UAE, Dubai
3. International Conference on "**Make in India: An opportunity for sustainable Entrepreneurship Development**" during 16-17 Feburary 2017 at Careener College, Bhopal
4. 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri.
5. International conference on Engineering Education: Innovative Practices and Future Trends (AICERA 2012)" sponsored by IEEE Education Society and IEEE Kerela Section held in July 2012 at Amal Jyothi College of Engineering, Kanjirappally Kerela India.

6. Ist International conference on Emerging Trends in computer and Information Technology organized by Open learning society, Kathmandu, Nepal and Institute of Information System and Research Centre (IISRC), Kathmandu, Nepal held at Upplipalayam, Coimbatore, Tamil Nadu 641015, India.

Key Note Speaker National Seminar/Workshop/Conference

- Keynote in National Conference on Skill Development and Entrepreneurship: Scaling New Horizons during 18-19 Feb 2020 at NITTTR, Bhopal
- Keynote in National Conference on "**RECENT TRENDS IN APPLIED SCIENCES AND COMPUTING ENGINEERING (RTASCE 2018)**" during December 21-23, 2018 at School of Advanced Sciences Languages & School of Computer science and Engineering VIT Bhopal University.
- **Key note address** in All India Seminar organized by Institution of Engineers (India) Jabalpur on the topic **"Engineering studies of the Project"** on 27th Jan. 2018.
- National Conference on "Assemblage of Digital Era 2016" at at Bhopal School of Social Sciences, Bhopal during 18 – 19 March 2016.
- National Workshop on "Research Methodologies" at Madhav Institute of Technology and Science (MITS), Gwalior, on 29th Jan 2016.
- National Workshop on "Applications of GIS in Planning and Development" in association with M.P. Council of Science and Technology at G.T Polytechnic Jaora, M.P. during 23 – 24 May 2015.
- National Seminar on **"Recent Trends in Network Security"** in association with UGC sponsored National seminar at Bhopal School of Social Sciences, Bhopal during 13 – 14 March 2015,
- National Seminar on **"Mobile Ad-hoc Network (MANET)"** in association with member of NASSCOM and Computer Society of India (CSI), at IES college of Technology, Bhopal on 3rd of Sept. 2012.

Expert Lecture

- An expert session on "**Engineering Pedagogy**" on 3rd Aug, 2019, in 3 Days Faculty Development Workshop on Pedagogy and Credit Based Evaluation System, held at VJTI Mumbai. The workshop is sponsored by Faculty Development Centre, VJTI, under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Trainings, MHRD, New Delhi.
- Expert lecture in TEQUIP-III Training Programme on "**Laboratory Practices**" from 17th to 22nd June 2019 at Madhav Institute of Technology and Science (MITS), Gwalior.
- **"Efficiency of Routing Protocols"** in short term Program on Advanced Techniques in Signal Processing and Communication under TEQIP (Phase –II) during 5 – 8 March 2017, Madhav Institute of Technology and Science (MITS), Gwalior.
- **"Changing Scenario of Teaching Learning"** in Vidhyapeet Institute of Science and Technology on 13th of August 2016.
- "**Role of Network in Big Data**" in National Level Faculty Development program supported by AICTE in Dept. of Computer Science at Laxmipati Institue of science and Technology, Bhopal on August 7th 2016
- **"Digital communication"** in Dept of Electronics at Madhav Institute of Technology and Science (MITS), Gwalior, on 5th March 2016.

- **"Improving Routing Efficiency Using Agents"** in Dept of Computer Science at Maulana Azad National University, Hyderabad (MANU), on 11th January. 2016.
- **"Management Information System"** in Dept of Business Administration in Bhopal School of Social Sciences, Bhopal BSSS on 09/09/2015
- **"Computer Network"** in Dept of Computer Science in Bhopal School of Social Sciences, Bhopal BSSS on 10/09/2015
- **"Network Security"** in Dept of Computer Science in Sagar Institute Of Research and Technology (SIRT), Bhopal on 22/08/2015.
- **"Mobile Ad hoc Networks"** in Dept of Computer Science and Engineering, Oriental Institute of Science and Technology (OIST), Bhopal on 18/09/2014.
- **"Mobile Ad hoc Networks"** in Dept of Information Technology, Oriental Institute of Science and Technology (OIST), Bhopal on 30/08/2014.
- **"Writing Skills of Research Papers"** in Dept of Information Technology, Oriental Institute of Science and Technology (OIST), Bhopal on 30/01/2014.
- **"MANET Protocols"** in National level short term programme on Network Simulation (NS – 2013) at Dept of Mathematics and Computer Applications, MANIT Bhopal during 19th – 23rd August 2013.
- **"Mobile Ad hoc Network"** in National level AICTE sponsored Seminar on Network and Soft computing" at IES College of Technology, Bhopal during 11 – 13 November 2013.

Member Technical Programme (TPC) and Reviewer Board Committee International Conference

1. Member Board/Technical Committee Members of **" International Conference on Intelligent Computing and Security: A Paradigm Shift (IICS 2021) (Springer LNEE) to be held on 17 -18 Dec 2021**.
2. Member Technical Programme Committee in AICTE sponsored National Conference on "Research in Engineering, Science & Technology (NREST-2021)". under the scheme Grant for Organizing Conference (GOC), Scheduled held on 15th & 16th March 2021 Organized by M.H. Saboo Siddik Polytechnic, Mumbai.
3. Member Technical Program Committee 13th International Conference on Computational Intelligence and Communication Networks (CICN 2021) is organized in online mode.
4. Member Technical Program Committee of International Conference on 12th International Conference on Computational Intelligence and Communication Networks (CICN 2020) from 25-26 Sep 2020 at Nanital India co-sponsored by IETE Gwalior, India & IEEE MP Sub Section.
5. Member Technical Program Committee of International Conference on Cybersecurity in Emerging Digital Era (ICCEDE2020) held in February'2020 in association with the Springer. Institute of Technology, Greater Noida, Delhi-NCR India
6. Member of technical programme committee and reviewer committee 9th International conference on Computer Science, Engineering Applications (CCSEA 2019 during July, 13 – 14 2019 at Toronto, Canad,
7. Member of technical programme committee and reviewer committee SMART CITIES SYMPOSIUM, organized by, University of Bahrain, Kingdom Of Bahrain in Collaboration with The Institution of Engineering and Technology, UK will be held during 22-23 APRIL 2018
8. Member of technical programme committee and reviewer committee 2018 IEEE 2nd International Conference on Telematics and Future Generation Networks organised by Department Of Engineering, UTM RAZAK School of Engineering and Advanced Technology, Universiti Teknologi Malaysia (UTM), and technically co-sponsored by IEEE Malaysia Communication Society & Vehicular Technology Society Joint Chapter (ComSoc/VTS) to be held **24-26 July 2018**, in Malaysia.

9. Member of technical programme committee and reviewer committee 2017 IEEE Conference on Wireless Sensors (ICWiSe 2017) 12 – 13 November 2017, Miri, Sarawak, Malaysia is sponsored by IEEE Computer Society Malaysia, IEEE conference on wireless sensors and SARAWAK Convention Bureau.

10. Member of technical programme committee and reviewer committee 2017 International Conference on Telecommunication, Electronic and Computer Engineering (ICTEC 2017) Melaka, Malaysia organized by Centre for Telecommunication Research and Innovation (CeTRI) together with Faculty of Electronics and Computer Engineering (FKEKK) during 27-28 November 2017.

11. Member of technical programme committee and reviewer committee International Conference on Communication Systems and Network Technologies (CSNT-2017) will be organized by IIIT Nagpur in association with Machine Intelligence Research Labs, Gwalior with technical support of IEEE Bombay Section during 11-13 November 2017.

12. Member of technical programme committee and reviewer committee RTCSE-2018 (3rd International Conference on Recent Trends in Computer Science and electronics organized by Gyan City and MIR Labs during 2-3 January, Bangkok Thailand.

13. Member of technical programme committee and reviewer committee 9th International Conference on Computational Intelligence and Communication Networks (CICN 2017) is organized by Final International University, Cyprus.

14. Member of technical programme committee and reviewer committee The Seventh International Conference on Communication Systems and Network Technologies 2017 will be organized in Nagpur, India.

15. Member of technical programme committee and reviewer committee 2017 International Conference on Education, Culture and Social Development (2017 2nd International Symposium on Multidisciplinary Inclusive Education, Management and Legal Services). ICECSD is organized by Higher Inclusive Education Resource Center of Wuhan University of Technology, WHUT,

16. Member of technical programme committee and reviewer committee IEEE Symposium on Wireless Technology and Applications fully sponsored by IEEE Industrial Applications (IA)/ Industrial Electonics Joint Chapter of Malaysia. The conference will be held during 30 July – 1 August 2017 at Kuala Lampur, Malaysia.

17. Member of technical programme committee and reviewer committee The International Conference on Education Science and Human Development (ESHD2017) will be held in Chengdu, China during November 17-19 2017.

18. Member of technical programme committee and reviewer committee 2017 International Conference on Education Science and Education Management 18-20th August 2017 ay Guilin China.

19. Member of technical programme committee and reviewer committee 2017 2nd Advanced Research in Engineering and Information Technology International Conference (AREITIC) (AREITIC'2017) supported by Malasiya Technical Scientist Association, (MALTESAS) during 5 – 7 September 2017 Bangkok, Thailand

20. Member of technical programme committee and reviewer committee 2017 Progress in Electronics Engineering, Computer Engineering and Information Technology (PIECT'2017) supported by Malasiya Technical Scientist Association, (MALTESAS) during 16 – 18 May 2017 in Bandung, Indonesia

21. Member of technical programme committee and reviewer committee 9th IEEE-GCC conference is organized by the IEEE Saudi Arabia Section in coordination with IEEE Bahrain Section will be held at **Bahrain** Gulf Conference and Exhibition center 7th - 10th of May 2017.

22. Member of technical programme committee and reviewer committee The 3rd International Workshop on Mobile Applications (MobiApps'2016) 22-24 August 2016, Vienna, Austria

23. Member of technical programme committee and reviewer committee 2017 Advanced Research on Applied Mathematics in Science and Engineering (ARAMSE) (ARAMSE'2017) conference Date 7-9 Feburary 2017 Kota Kinabalu, Saban, Malasiya.

24. Member of technical programme committee and reviewer committee 2017 Borneo International conference on Digital Content (BICODIC) (BICODIC'2017) conference Date 7-9 Feburary 2017 Kota Kinabalu, Saban, Malasiya.

25. Member of technical programme committee and reviewer committee 2017 International Conference on Machine learning and Signal Processing (MALSIP'2017) 14 – 16 February 2017 langkawi island, kedah, Malaysia

26. Member of technical programme committee and reviewer committee The 5th International Conference on Computing, Engineering and Information Technology (ICCEIT 2016) will be held in *The Savera Hotel, Chennai, India on* October 8, 2016. ICCEIT 2016 supported World Academy of Research in Science and Engineering (WARSE).

27. Member of technical programme committee and reviewer committee The 3rd International Doctoral Symposium on Applied Computation and Security Systems (ACSS) organized by Department of Computer Science & Engineering & A. K. Choudhury School of Information Technology **University of Calcutta, India** is to be held during August 12-14, 2016 in Kolkata.

28. Member of technical programme committee and reviewer committee 2017 Recent Research in Engineering and Sciences (RENCES) (RENCES'2017) supported by Malasiya Technical Scientist Association, (MALTESAS) during 20 – 22 December 2016 will be held in Langkawi, Kedah, Malaysia.

29. Member of technical programme committee and reviewer committee 2016 IEEE Asia-Pacific Conference on Applied Electromagnetics**.** APACE (Antennas and Propagation, Microwave Theory and Techniques and Electromagnetic Compatibility) sponsored by the IEEE AP/MTT/EMC Joint Chapter of Malaysia will be held in ADYA Hotel, Langkawi, Malaysia, from December 11 to December 13, 2016.

30. Member of technical programme committee and reviewer committee Computer Sciences and Information Technology International Conference (COMSIT'2016) supported by UUM and Malasiya Technical Scientist Association, (MALTESAS)will be held during 29th Nov. to 01 Dec. 2016, in Karbi, Thailand.

31. Member of technical programme committee and reviewer committee Advanced Research in Electrical and Electronic Engineering Technology (ARiEET) organized by Malaysia Technical Scientist Association (MALTESAS), and also supported by Universiti Teknologi Malaysia (UTM)**.** The ARiEET will be held in Phuket, Thailand from on 14 – 16 December 2016 in Phuket, Thailand.

32. Member of technical programme committee and reviewer committee 2nd International Symposium on Sciences and Mathematics (ISYSM'2016) supported by Malasiya Technical Scientist Association, (MALTESAS) will be held during 14 – 16 December 2016 in Phuket, Thailand

33. Member of technical programme committee and reviewer committee 2016 IEEE Conference on Wireless Sensors (ICWiSe) (ICWiSe2016) sponsored by IEEE Computer Society Malaysia, will be held in Langkawi, Malaysia on 10th – 12th October 2016.

34. Member of technical programme committee and reviewer committee 2016 International Conference on Information Science, Technology, Management, Humanities & Business (ITMAHUB) (ITMAHUB'2016) scheduled to be held in Penang, Malaysia between 21st – 23rd November 2016.

35. Member of technical programme committee and reviewer committee 2016 Advancement Research in Circuits and Systems International Conference (ARECAS) (ARECAS'2016) will be held in Langkawi, Kedah, Malaysia.

36. Member of technical programme committee and reviewer committee Progress in Computer Sciences and Information Technology International Conference (PROCSIT) 20 – 22 December 2016 Langkawi Island, Kedah, Malaysia
37. Member of technical programme committee and reviewer committee un 2016 International Symposium on Technology Management and Emerging Technologies (ISTMET) 20 – 22 December 2016 Langkawi Island, Kedah, Malaysia
38. Member of technical programme committee and reviewer committee 5th IEEE Global Conference on Consumer Electronics (GCCE 2016) is an annual international conference sponsored by IEEE Consumer Electronics Society, will be held during 11 – 14 of October at Koyoto Japan.
39. Member of technical programme committee and reviewer committee 2016 Advanced Research in Electronic Engineering and Information Technology International Conference (AVAREIT) (AVAREIT'2016) supported by Malaysia Technical Scientist Association (MELTESAS) will be held in Bali, Indonesia
40. Member of technical programme committee and reviewer committee Second International Conference on Contemporary Computing and Informatics IC^{3}I co-sponsored by IEEE Up section will be held at Amity University Utter Pradesh (UUP) Noida, during 14-17 December 2016.
41. Member of technical programme committee and reviewer committee 5th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO 2016) cosponsored by IEEE Amity University Utter Pradesh (UUP) Noida, India organized by Amity Institute of Information Technology (AIIT), Noida, India in association with CSI.
42. Member of technical programme committee and reviewer committee 2nd International Conference on Business, Management, Tourism and Hospitality 2016 (BIZMATOUR 2016) will be held in Bali, Indonesia
43. Member of technical programme committee and reviewer committee The Second International Symposium on Web of Things and Big Data (WoTBD 2016) in conjunction with the The 7th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN) WoTBD 2015 September during 19-22, 2016, London, United Kingdom
44. Thirteenth IEEE and IFIP International Conference on Wireless and Optical Communications Networks WOCN2016 co sponsored by IEEE MP, IIT Hyderabad and CSI will be held during 21st - 23rd of July 2016 in Gandhi Institute of Technology and Management GITAM School of Technology Hyderabad Campus, Telangana State, INDIA Hyderabad, Telangana State, INDIA.
45. Member of technical programme committee and reviewer committee 2016 Advancement Research on Circuit and Systems International Conference (ARONCAS) will be organized by University of Hradec Kralove together with Malaysia Technical Scientist Association (MALTESAS) and Universiti Teknologi Malaysia University of Hradec Kralove, Czech Republic from September 20 – 22, 2016.
46. Member of technical programme committee and reviewer committee 2016 2nd Progress in Applied Mathematics in Science and Engineering (PIAMSE) will be organized by Newcastle University together with Malaysia Technical Scientist Association (MALTESAS) will be held during 20 - 22 September in Krabi, Thailand.
47. Member of technical programme committee and reviewer committee 2016 Education in Science, Technology and Social Science World Conference (EDUSTS) will be organized by Malaysia Technical Scientist Association (MALTESAS) together with Faculty of Education, Universiti Teknologi MARA (UITM) to be held in Krabi, Thailand from September 20 – 22, 2016,
48. Member of technical programme committee and reviewer committee 2016 Advanced Research in Engineering and Information Technology International Conference (AREITIC) organized by Professional & Continuing Education Centre (PACE) of Universiti Utara Malaysia together with Malaysia Technical Scientist Association (MALTESAS) during 31st May – 2nd June in Bandung, Indonesia.

49. Member of technical programme committee and reviewer committee 11th International Conference on Mobile Web Information Systems (MobiWIS 2014) to be held with 2nd International Conference on Future Internet of Things and Cloud (FiCloud 2016) will be held at the Catalonia Barcelona Plaza hotel, Fira de Barcelona facilities and Montjuïc.
50. Member of technical programme committee and reviewer committee 2016 Advancement on Informatics, Business and Management International Conference (ADIBUM'2016) sponsored by University of Hradec Kralove together with Malaysia Technical Scientist Association (MALTESAS) and Universiti Teknologi Malaysia during September 20 - 22, 2016.
51. Member of technical programme committee and reviewer committee to 2016 Advancement Research on Circuit and Systems International Conference (ARONCAS'2016) sponsored by University of Hradec Kralove together with Malaysia Technical Scientist Association (MALTESAS) and Universiti Teknologi Malaysia during September 20 – 22, 2016.
52. Member of technical programme committee and reviewer committee **2**016 International Conference on Business, Economics, Management, Social Sciences, Art and Humanities (BEMSAHIC 2016) sponsored by Malasiya Technical Scientist Associationon 10 – 12 May 2016 in Ural Federal University, Yekaterinburg, Russia.

Member Technical Programme Committee (TPC) International Conference

1. Member Technical Program Committee in International Conference on Artificial Intelligence and Sustainable Engineering (AISE 2020), of the conference. The conference will be held at National Institute of Technology (NIT), Goa, India on 27th– 29th, Nov'2020.
2. Member of technical programme committee IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE – 2014) organized by Poornima College of Engg., Jaipur, India Poornima University, Jaipur, India during 9 – 11 May 2014.
3. Member of technical programme committee The 2014 International Symposium on Real-time Natural User Interface and Natural User eXperience(RN^2 2014) at Zhangjiajie, China, May 28-31, 2014. In conjunction with FutureTech 2014 Organized by NUI/NUX Information Technology Research Center
4. Member of technical programme committee of Member of technical programme committee of the 2014, IEEE Symposium on Computer Applications and Industrial Electronics (ISCAIE 2014) will be held in Penang during 7 – 8 April 2014.
5. Member of technical programme committee of the 1st International Conference on Communication and Computer Engineering, COCOE 2014 will be held in Melaka, Malaysia during 20 -21 May 2014.

Reviewer International Conference

1. Member of reviewer board of 3rd IEEE Conference on Emerging Smart Computing & Informatics 2021 (5, 6 & 7 March 2021) at AISSMS Institute of Information Technology, Pimpri Chinchwad Pune Maharashtra.
2. Member of reviewer board of The 14th International conference on Education and Information systems, Technologies and Applications: EISTA 2016 in context of The 9th Mutli-Conference on Society, Cybernetics and Informatics, IMSCI 2016 during July 5 – 8, Orlando, Florida, USA.
3. Member of reviewer board of Computer Science and Engineering, Communication and Security. ICCCS 2015 will be organized at Le Meridien, Mauritius supported by Bipin Tripathi Kumaon Institute of Technology, Dwarahat and IEEE Mauritius on 4-6 Dec, 2015.

4. Member of reviewer board of 5th IEEE International Conference on Control System, Computing and Engineering (ICCSCE 2015) to be held in Batu Ferringhi, Penang, Malaysia on 27 - 29 November 2015.
5. Member of reviewer board of 2nd International Conference on Communication and Computer Engineering ICOCOE 2015, a Springer LNEE Series 9 – 11 June 2015 Phuket, Thailand
6. Member of reviewer board on the technical program committee 2015 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE2015) sponsored by IEEE Malaysia Industrial Electronics & Industrial Applications Joint Chapter will be held during12th to 14th of April 2015 in Langkawi, Malaysia.

Membership of Professional Bodies

1. Life Time member of Association for Development of Teaching, Education and Learning (ADTEL) No. ADTEL-M17487
2. Senior member of International Engineering and Technology Institute, Hong Kong No. 2015071012.
3. **Honorary member of** Association of Computer Electronics and Electrical Engineers (ACEEE), govern by Institute of Doctors Engineers and Scientists IDES no 1156.
4. Member Of Institute of Electrical and Electronics Engineers (IEEE)
5. Member of Machine Intelligence Research Labs (MIR Labs), Scientific Network for Innovation and Research Excellence (SNIRE), Washington USA.
6. Member of International Association of Engineers, Hong Kong.
7. Member of Society of Digital Information and Wireless Communications Thailand
8. Member of World Academy of Research in Science and Engineering **(WARSE)** is a registered non-profit organization that was created to recognize abilities and acknowledge achievements of all, ranging from academic research and professional communities to industry professionals in a wide range of topics in Science and Engineering.

Membership in Professional Societies

Member of Following Professional Societies

1. Member International Computer Science and Engineering Society (ICSES) membership No.99.
2. Member International Society Research Scientists, Engineers and Doctors. Hyderabad Membership No. mem0003.
3. Member American Society for Research (ASR) membership Number: R215060501Sichuan,China
4. Member International Association of Computer Science and Information Technology (IACSIT), Singapore, Membership No. 80350848.
5. Member Computer Science Teachers Association (CSTA) Registration No. 3430309 New York USA.
6. Member in Internet Society Global Membership Registration No. 452252.
7. Member in Internet Society Delhi Chapter Registration No. 454296.
8. Member In Association for Computing Machinery ACM No. 3430309.
9. Member in IEEE Communication Society, No. 92223884.
10. Member in International Association of Engineers Society of Computer Science.
11. Member in International Association of Engineers Society of Internet Computing and Web Services
12. Member in International Association of Engineers Society of Information System Engineering

13. Member in International Association of Engineers Society of Operations Research
14. Member in International Association of Engineers Society of Scientific Computing
15. Member in International Association of Engineers Society of Software Engineering
16. Member in International Association of Engineers Society of Wireless Networks

Videos Lecture/Programmes/Interviews

- A video lecture on "ICT based Education" prepared by NITTTR, Bhopal for NRC MOOCS on Student Assessment and Evaluation
- A video lecture on "Technology enabled assessment" ICT based Education" prepared by NITTTR, Bhopal for NRC MOOCS on Student Assessment and Evaluation
- A video lecture on "Development of Multiple choice test" prepared by NITTTR, Bhopal for NRC MOOCS on Student Assessment and Evaluation
- A video lecture on "Adhoc Networks Part – I" prepared by NITTTR, Bhopal
- A video lecture on "Student Assessment" is prepared and live telecast and available on UTube by NITTTR, Chandigarh
- A Expert interview on "Prospects and avenues for Computer Literate" prepared and telecast by Doordarshan Bhopal at International level
- A video lecture on "Computer Architecture Part – I" prepared by NITTTR, Bhopal
- A video lecture on "Computer Architecture Part – II" prepared by NITTTR, Bhopal
- A video lecture on "Computer Architecture Part – III" prepared by NITTTR, Bhopal

Chapter Review

1. Reviewed a chapter titled **"Analysis of Data Functionality in Enterprise Service Bus"** for IGI Global publisher.
2. Reviewed a chapter titled "**Service Oriented Framework for Advance Diagnosis of MSMEs Turning into NPAs-An Indian Perspective**" for the book titled "Exploring Enterprise Service Bus in the Service-Oriented Architecture Paradigm," for IGI Global publisher.
3. Reviewed a chapter "**Methodologies And Techniques Of web Usage Mining**" for IGI Global publisher.
4. Reviewed a chapter "**Applications of Web Usage Mining Across Industries**" for IGI Global publisher.
5. Reviewed a chapter **"Folksonomy based Information Retrieval by Generating Tag Cloud for Electronic Resources Management Industries and Suggestive Mechanism for Tagging usi"** authored by Sohil D. Pandya *Sardar Vallabhbhai Patel Institute of Technology (SVIT), Vasad, India* and Dr. Paresh V. Virparia *Dept. of Computer Science, Sardar Patel University, Vallabh Vidyanagar, India* for IGI Global publisher.
6. Reviewed a chapter **"Face Recognition: A Tutorial on Computational Aspects"** authored by Alexander Alling, Nathaniel Powers, Tolga Soyata Dept. of Electrical and Computer Engineering, University of Rochester for IGI Global publisher.

Reprint of Chapter

- Contribution titled "Support for Cloud-Based Mobile Learning," by Sonal Dubey, Kritika Verma and M A Rizvi previously published in an IGI Global publication, was carefully assessed and selected by IGI Global's executive editorial board for inclusion as a reprinted chapter (100%

completely unchanged from the original) published IGI Global research anthology titled Blended Learning.

Chapter Author

- Selected as Book Chapter **"MANET Parameter Analysis and its Impact on Next Generation Network" in a book Current Topics on Mathematics and Computer Science Vol 1** published by V P International Guest House Road, Street no - 1/6, Hooghly, West Bengal, India.
- Selected as book Chapter titled "**ZBLE: Zone Based Leader Selection Protocol**" in a book " Research Trends and Challenges in Physical Science" vol 1.1 published by V P International Guest House Road, Street no - 1/6, Hooghly, West Bengal, India
- Co-authored a book chapter in book titled "**Emerging Security Algorithms and Techniques" Chapter 16: Applications**" by M A Rizvi NITTTR, Bhopal and Ifra Iqbal Khan RIE, Bhopal, published by CRC Press Taylor and Francis Group USA in June 4, 2019 Reference - 318 Pages - 151 B/W Illustrations ISBN 9780815361459 - CAT# K346976
- Co-authored a chapter "**5G Disruptive Technologies And Architecture**" by Anu Mangal RGPV, Bhopal, M A Rizvi, NITTTR, Bhopal, Shadab Pasha Oriental College Bhopal, in edited book titled "**Advanced Wireless Sensing Techniques for 5G Networks**" published by CRC, Taylor and Francis Publication Group, USA.
- Co-authored a chapter "**Wireless Adhoc Networks With 5G Technology**" by Shadab Pasha Oriental College Bhopal, M A Rizvi, NITTTR, Bhopal Anu Mangal RGPV, Bhopal, in edited book titled "**Advanced Wireless Sensing Techniques for 5G Networks**" published by CRC, Taylor and Francis Publication Group, USA.
- Co-author of chapter **"Support for Cloud Based Mobile Learning" by Kritika Verma,** Department of Education RIE, Bhopal, **Sonal Dubey** Dept. of CSE RGPV, Bhopal Dr. **M.A. Rizvi** Department of Computer Engineering and Applications NITTTR, Bhopal in the book titled Cloud-Based STEM Education for Improved Learning Outcomes for IGI Global Publisher.
- **Co-author of chapter** "Content Based Image Retrieval System" by Dr. Mohd Omar, **Department of CS & IT, Maulana Azad National Urdu University, Hyderabad, Dr.** Khaleel Ahmad, **School of CS & IT, Maulana Azad National Urdu University, Hyderabad and Dr.** M.A. Rizvi **Department of Computer Engineering and Applications NITTTR, Bhopal in the book titled** Emerging Research Surrounding Power Consumption and Performance Issues in Utility Computing **for IGI Global Publisher.**

Research Papers Published in Journals

Publications in SCI/SCIE/ESCI Journals

Development:

1. **"ZBLE: Zone based Efficient Energy Multipath Protocol for Routing in mobile Ad Hoc Networks"** by Rani Sahu, Sanjay Sharma and M A Rizvi in journal of Wireless Personal Communication is a peer-reviewed scientific journal published by Springer Science+Business Mediapublished in April 15, 2020 Volume 113 and issue 2 in July 2020 online.
2. **"A novel machine learning model to predict the staying time of international migrants"** by M. A. Rizvi, P. Shukla, Mukta Bhatele, Poonam Sharma, Anoop Chaturvedi in International Journal on Artificial Intelligence Tools IJAIT-D-19-00071R2, Accepted on 25 June.

3. **"Efficient Techniques to Improve Clustering Accuracy on Web Using Hybrid Approach" by Monika Sharma and M A Rizvi** International Conference on Emerging Trends in Engineering & Technology on Information Security and Analytics (ICETET-ISA-2018) held on 1-2 June 2018 by Department of Computer Science and Engineering, G H Raisoni College of Engineering, Nagpur, India. ICETET-ISA-2018 is Technically Sponsored by HELIX- The Scientific Explorer (Emerging SCI Indexed Journal) and GHR Labs and Research Center, **Received: 09th July 2018, Accepted: 14th August 2018, Published: 31st August 2018** DOI 10.29042/2018-3731-3735 Helix Vol. 8(5): 3731- 3735

4. **"Secure Mobile Commerce in Ad hoc Network Using CAEC²M"** by Khaleel Ahmed, Shoaib Alam and M A Rizvi in an International Journal of Future Generation Communication and Networking ISSN-22337857 indexed in ESCI Vol. 9, No. 12 (2016), pp. 197-204

5. **"MANET Parameter Analysis and its Impact on Next Generation Network"** by Shadab Pasha, M A Rizvi and Satendra Tamrakar in an International Journal of Future Generation Communication and Networking   ISSN-22337857 indexed in ESCI Vol. 9, No. 12 (2016), pp. 231-240

6. "**Secure Communication in Opportunistic Network Using ECC- Mix-Net"** by **Ahmad K.,** Fathima A. & Rizvi, M A *ELSEVIER Journal: Materialtoday,* ISSN: 1369-7021, 2016- **Accepted**.**[SCIE Journal] [Impact Factor: 17.793] [Indexed: SCOPUS**]

7. **"Improving Task Scheduling Algorithm in Cloud Computing QITS: QoS "** by Dubey S., Verma K, Rizvi M A & **Ahmad K.** *ELSEVIER Journal: Materialtoday,* ISSN: 1369-7021, 2016- **Accepted. [SCIE Journal] [Impact Factor: 17.793] [Indexed: SCOPUS**]

8. "**Applied Cryptography Using Chaos Function for Fast Digital Logic-Based Systems in Ubiquitous Computing"** by Piyush Kumar Shukla, Ankur Khare, Murtaza Abbas Rizvi , Shalini Stalin and Sanjay Kumar is published in **Special Issue Entropy- (ISSN 1099-4300), Entropy Based Applied Cryptography and Enhanced Security for Ubiquitous Computing, (A SCI Journal) Impact factor 1.564 published details** *Received: 24 July 2014 / Revised: 17 November 2014 / Accepted: 22 December 2014and published* 19 March 2015**,** *Entropy* **2015**, *17*(3), 1387-1410.

9. **"Internet of Things: An Intelligent & Fast Chaotic Encryption using Digital Logic Circuits (IFCE-DLC) for Including Automaticity in IoT,**" by Piyush Kumar Shukla, M. A. Rizvi, Shalini Stalin, Ankur Khare, Paper ID:536945, Mobile Information System, Hindawi Publication, **SCI/SCIE , Thomason & Reuter, Journal Impact Factor 1.79.(Under Process)**

10. "**Finding Robust Assailant using Optimization Function in Wireless Sensor Network**," by by Piyush Kumar Shukla, Sachin Goyal, Rajesh Wadhvani, M. A. Rizvi, Poonam Sharma and Neeraj Tantubayin **Journal of Mathematical Problems in Engineering**, Hindawi Publishing Corporation, (A SCI Journal) Impact Factor 1.082 Volume 2015 (2015), Article ID 594345, 7 pages Received 24 September 2014; Accepted 23 December 2014 and published 2 June 2015. \

Publications in Other Journals

1. **End-to-End delay to Enhance QoSin Next Generation MANET based on E-RAT**, by Shadab Pasha, Sitendra Tamrakar and M. A. Rizvi in International Turkish online Journal of Qualitive Inquiry (TOJQI), Volume 12, Issue 9 ISSN 5447 5458, August 3021

2. "**Use of Immersive Technology in Skill Development: A Review"** by M A Rizvi **in** *International Journal of Application or Innovation in Engineering & Management (IJAIEM)* Volume 9, Issue 6, June 2020 ISSN 2319 – 4847 a Scopus indexed journal.

3. **"Increased PSNR with improved DWT digital watermarking technique" by** Ifra I. Khan; Khaleel Ahmad; M.A. Rizvi; Khairol Amali Bin Ahmad **in** International Journal of Innovative Computing and Applications 2019 Vol.10 No.3/4 Inderscience Enterprises Ltd.

4. **"ZBLE: Zone based Leader Selection Energy Constrained AOMDV Routing Protocol"** by Rani Sahu, Sanjay Sharma, M. A. Rizvi **in** International Journal on Wireless and Microwave Technologies, 2019, 4, 11-25 Published Online September 2019 in MECS(http://www.mecs-press.net) DOI: 10.5815/ijwmt.2019.05.05

5. **"Energy Consumption Evaluation of ZBLE, AOMDV and AODV Routing Protocols in Mobile Ad-hoc Networks"** by Rani Sahu, Sanjay Sharma, Murtaza Abbas Rizvi International Journal on Advances in Wireless Communications and Networks ISSN: 2575-5951 (Print); ISSN: 2575-596X (Online)2019; 5(2): 41-51 http://www.sciencepublishinggroup.com/j/awcn DOI: 10.11648/j.awcn.20190502.11

6. **"ZBLE: Zone Based Leader Selection Protocol"** by Rani Sahu, Sanjay Sharma, M. A. Rizvi **in** International Journal on Wireless and Microwave Technologies, 2019, 4, 11-25 Published Online July 2019 in MECS, (http://www.mecs-press.net) DOI: 10.5815/IJWMT.2019.04.02

7. **"ZBLE: Zone Based Leader Election Energy Constrained AOMDV Routing Protocol",** by Rani Sahu, Sanjay Sharma, M. A. Rizvi **in** International Journal of Computer Networks and Applications (IJCNA) DOI: 10.22247/IJCNA ISSN: 2395-0455 published by EverScience Publications /2019/49643 Volume 6, Issue 3, May – June (2019)

8. ZBLE: **"Energy Efficient Zone-Based Leader Election Multipath Routing Protocol for MANETs"** by Rani Sahu, Sanjay Sharma, M. A. Rizvi in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-9, July 2019 Published By: Blue Eyes Intelligence Engineering & Sciences Publication, Scopus indexed pp 2231-2237.

9. **"Energy Efficient Routing Protocols for Wireless Sensor Networks"** Swikriti Dandotia And M. A. Rizvi in Journal Of Ultra Computer And Information Technology JUCIT ISSN: 2229-3531 (Print) 2455-9997 (Online) Vol. 10(2), 7-13 April (2019) impact factor 2.29.

10. **"IoT Creating an Ingenious, Collaborative and Congruent World", by Tanushri Bhagat, Shristhi Valuskar, Anu Mangal and M A Rizvi** in International Journal of Scientific Research in Mathematical and Statistical Sciences, Impact factor 1.021 ISSN No. 2348-4519 February 2019.

11. **"Energy Consumptions In Cloud Datacenters – A Review"** *by* Baghel, S., and Rizvi, M. A. (2018). INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY, 7(8), 208-215 August 2018.

12. **"IAODV: An Improved AODV Routing Protocol For MANET"** by Madhup Shirivastava, Monika Sahu, M A Rizvi and Khaleel Ahmed in International Journal of Advance Research in Computer Science ISSN No. 0976 5697 Volume 9 No.2 March- April 2018

13. **"A Review and Survey of Various Attribute based Data Storage & Deduplication in cloud"** by Deeksha Chouksey and M A Rizvi in Journal Of Ultra Computer And Information Technology ISSN: 2229-3531 (Print) 2455-9997 (Online) Vol 9 issue 2 April 2018 impact factor 2.02.

14. **"Sentiment Analysis of E-Commerce site using Deep Nural Network and Probablistic Approach"** by Himanshu Sharma, Alka Pande and M A Rizvi in International Journal of Engineering Science and Computing (IJESC ISN No. 2250-1371 Volume 7 Issue No. 11, Nov 2017 Impact factor 5.611.

15. **"Prediction of Heart Disease using Machine Learning Algorithms: A Surve"** by Himanshu Sharma and M A Rizvi in International Journal on Recent and Innovation Trends in Computing and Communication IJRITCC ISSN: 2321-8169 Volume: 5 Issue: 8 August 2017 pp 99-104 SJIF Impact Factor (SJIF) 5.837 IC Value 5.75.

16. **"Data Aggregation in Cloud Using Map Reduce Framework"** Suchi Singh Parihar and M A Rizvi in Journal Of Ultra Computer & Information Technology An International Open Free Access

Peer Reviewed Research Journal of Computer Science Engineering & Information Technology JUCIT ISSN: 2229-3531 (Print) 2455-9997 (Online) Vol. 8(3), 20-25 (2017) impact factor 2.02.

17. **"Active Intelligent Speed Adaptation System"** by M A Rizvi and Ifra Khan International Journal of Advanced Research in Computer and Communication Engineering ISSN (Online) 2278-1021 ISSN (Print) 2319-594 ISO 3297:2007 Certified Vol. 6, Issue 4, April 2017

18. **"Review on Different Techniques of Digital Watermarking"** M A Rizvi and Ifra Khan in International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ISSN No. ISSN (Online) 2278-1021 ISSN (Print) 2319 5940 ISO 3297:2007 Certified Vol. 6, Issue 4, April 2017

19. **"Performance Improvement in Lifetime and Energy of LEACH Protocol"** by Raksha Bajpai and M A Rizvi in International Journal of Latest Trends in Engineering and Technology (IJLTET) indexed by **Thomson Reuters** e-ISSN:2278-621X Vol.(7) Issue(3), pp. *186*-191 September 2016, Index Copernicus, ICV - 7.39/10 Cosmos Impact Factor - 4.490, Global Impact Factor - 0.685/1

20. **"Performance Improvement of Web Server through Log files cleaning"** by Akshay Gupta and M A Rizvi in International Journal of Latest Trends in Engineering and Technology (IJLTET) indexed by Thomson Reuters e-ISSN:2278-621X Vol.(7) Issue(3), pp. 186-191 September 2016, Index Copernicus, ICV - 7.39/10 Cosmos Impact Factor - 4.490, Global Impact Factor - 0.685/1

21. **"Monitoring Server Based Server Selection Strategy in Content Delivery Networks "** by Manish Pal and M A Rizvi in International Journal of Latest Trends in Engineering (IJLTET) indexed by Thomson Reuters e-ISSN:2278-621X Vol.(7) Issue(3), pp. 186-191 September 2016, Index Copernicus, ICV - 7.39/10 Cosmos Impact Factor - 4.490, Global Impact Factor - 0.685/1

22. **"COLLABORATIVE FILTERING BASED RECOMMENDER SYSTEM FOR E- COMMERCE"** by Urvashi Shrivastava and M A Rizvi in JOURNAL OF ULTRA COMPUTER and INFORMATION TECHNOLOGY ISSN: 2229-3531 (Print) 2455-9997 (Online) Vol 7 issue 2 October 2016 impact factor 2.02.

23. **"Dynamic Key Based Hybrid Encryption Method for Data Security in Cloud"** by Ram Kinker Sharma and M A Rizvi in JOURNAL OF ULTRA COMPUTER and INFORMATION TECHNOLOGY ISSN: 2229-3531 (Print) 2455-9997 (Online) Vol 7 issue 1 August 2016 impact factor 2.02.

24. **"Energy Efficient Load Balancing Approach to Increase Security in Cloud Infrastructure" by** Kratika Singh Tomar and M A Rizvi in International Journal Of Scientific Progress And Research (IJSPR) ISSN: 2349-4689 Volume-12, Number - 01, December 2015.

25. **"Comparative Analysis of Most Common Modern Symmetric Cryptographic Algorithms"** by Neetu Yaday, R K Kapoor and M A Rizvi in International Journal **of Science Progress and Research, (IJSPR) ISSN No. 2349-4689** Certified By Council of Scientific and Industrial Research Approved By National Science Library (NSL), September 2015 Edition (Volume 15)

26. "**Analysis of AODV Protocol for Secured Routing**" by Deepika Shrivastava and M A Rizvi in International Journal of Scientific Progress & Research (IJSP&R) ISSN 2349-4689, Certified By Council of Scientific and Industrial Research Approved By National Science Library (NSL), September 2015 Edition (Volume 15).

27. **"Critical Analysis of Various Symmetric Key Cryptographic Algorithms"** by Preksha Nema and M A Rizvi in International Journal on Recent and Innovation Trends in Computing and Communications (IJRITCC) ISSN No. 2321-8169 pp 4301-4306 Vol 3 Issue 6 June 2015 ICV 5.75.

28. "**Energy Efficient DSR using Multipath**" by Archana Pradhan and M A Rizvi in Journal of Computer and IT **ISSN No. 2229-3531** Vol.1(1) pp 1-8 May 2015 Impact Factor .689.

29. "**Energy Conservation in DSR Using Multipath In MANET**" By Archana Pradhan and M A Rizvi in Journal Of Computer And Mathematical Sciences (An International Research Journal) ISSN No. 0976 – 5727 (Print) impact factor 1.92 is published in Volume 6, issue 3, 31 March, 2015.

30. **"An Improved Genetic Algorithm based Weight Optimized RBF Kernel System for Face Recognition"** by Ram Naresh Verma and M A Rizvi in International Journal of Computer Science (IJCS) ISSN: 2348-6600 pp 364-371 Vol2, Issue 2, No 3 2014(Impact factor- 1.357).

31. **"Analysis and Comparison of major mechanisms implementing Virtual Private Networks"** by Anupriya Shrivastava and M A Rizvi accepted for online publication in the "International Journal of Advanced Research in Computer Engineering & Technology" (ISSN: 2278-1323), **Volume** 3 Issue 7 July 2014 Impact factor 2.793.

32. **Performance and Strength Comparison of various encryption protocol of PPTP VPN"** by Anupriya Shrivasta and M A Rizvi published in International Journal of Advance Foundation and Research in Computer (IJAFRC) ISSN No. 2348-4853 Volume 1, Issue 1, Jan 2014 Impact Factor 3.599.

33. **"Challenges, Classification and Comparative study of QoS Solutions in MANET"** by Neelam Phate and M A Rizvi in International Journal of Computer and Technology ISSN No. 2277 3061 of USA Volume 13, No. 4 May 2014, impact Factor 1.392.

34. **"An Analytical Study of Enhancing Energy Efficiency of Wireless Sensor Network through Relay Nodes Placement"** by Ankur Pandey and M A Rizvi in International Journal of Emerging Technology and Advanced Engineering (ISSN 2250–2459, ISO 9001:2008 Certified Journal, Volume 4, Issue 3, March 2014) Impact Factor 2.324

35. **"Analysis of Strategies of Placing Nodes in Wireless Sensor Networks*",*** by Ankur Pandey and M A Rizvi in International Journal of Advanced Research in Computer Science and Software Engineering ISSN No. 2277 128X Volume 4 Issue 2 publishes in February – 2014 Impcat Factor 2.5*.*

36. **"Challenges Of Multicasting and Overheard Using Spanning Tree in MANET"** by Priyanka Patil And M A Rizvi in an International Journal of Advance Research in Computer Science and Software Engineering ISSN No. 2277 128X ,Volume 3 Issue 12 publishes in December- 2013 Impact factor 2.5.

37. **"Issue and Challenges of Energy consumption in MANET Protocol"**, by Akansha Meshram and M A Rizvi in International journal of Networking and Parallel Computing ISSN 2319-4529 Vol 3, No.1 October 2013 impact factor 0.5.

38. **"A Proficient Approach to Amplify Packet Delivery Ratio Adapting Shortest Path Algorithm"** by Madhup Shrivastava, M. A. Rizvi in International Journal of computer application (IJCA) ISSN: 2250-1797 Issue 3, Volume 3 (July – August 2013) (ICV 6.1)

39. **"Optimized Image Retrieval System: Texture and Shape Based Approach "** by Monika Sahu and M A Rizvi in an International Journal of Computer Application (IJCA) ISSN No. 2250-1797 Issue 3, Vol. 4 July – August 2013 Impact factor 2.52

40. **"Issues and Challenges in Energy Aware algorithms using clusters in MANET"** by Priyanka Patil And M A Rizvi in an International Journal of Computing, Communications and Networking (IJCCN) - ISSN 2319 – 2720, volume 2 No. 2 pp 41 – 48 April - June 2013.

41. **"Improving Efficiency of MANET by Reducing Queuing Delay Using Hybrid Algorithm "** by Monika Sahu, Madhup Shrivastava, Sonika Matele and M. A. Rizvi in an International Journal of Advanced Research in Computer Science (IJARCS), ISSN No. 0976-5697 with **ICV of 5.47**, Volume 4, Number 8, May-June 2013.

42. "**Green Perception: A B-tree Based Energy Sentient Algorithm for MANET**" by Sonika Matele, Monika Sahu, Madhup Shrivastava and M A Rizvi published in an International journal of Computer and Mathematical Sciences ISSN 0976-5727, Feb 2013 Vol, 4 (1), pp 57-67.

43. **"Mobile Cloud A new Vehicle for Learning: m-Learning Its Issues and Challenges"** by Kritika Verma, Sonal Dubey and M A Rizvi, published in an International Journal Science and Applied Information Technology, Volume 1, No.3 July – August 2012 ISSN No 2278-3083 pp 93-97.

44. **"Character recognition based on artificial neural network**" by Monika Sahu, Madhup Shrivastava and M A Rizvi, Published in an International Journal of Computers and Technology having ISSN Number 2277-3061 (Online) from USA in the year 2012 Vol 3, No 1 (2012) impact factor 1.392.

45. **Efficient Agent Based Ad-hoc On Demand Distance Vector Routing"** by M A Rizvi, R K Kapoor, M M Malik and Sanjay Sharma, published in an International Journal of Modeling and Simulation in Design and Manufacturing(JMSDM) in the year 2011 Impact factor 0.6090.

46. **"Security Threats and Countermeasures in agent Technology"** by M A Rizvi, R K Kapoor, M M Malik and Sanjay Sharma, in an International Journal of Computer and Mathematical Science Vol 1, issue 7, Dec. 2010 on page number 109 IF 1.92.

47. **"Mobile Agent Technology – Security Threats and Measures"** by M A Rizvi, R K Kapoor, M M Malik and Sanjay Sharma, in an International Journal of Computer and Information Technology Vol 1, Number 2 Dec. 2010 on page number 785 ISSN No. 2229-3531 ICV 6.24.

48. **"Technological Issues and Challenges Facing e-Commerce and Virtual Enterprises and its remedies"** by M.A. Rizvi and Shailendra Singh in an International Journal of Computer and Information Technology ISSN No. 2229-3531 year 2011 impact factor 0.687.

49. **"A node disjoint Multipath Routing protocol in Mobile Ad hoc Network",** by R. K. Kapoor, M. A. Rizvi, M. M. Malik and Sanjay Sharma published in *International Journal of management , IT and Engineering*, for Dec. 2011 issue impact factor 0.411.

50. "**Exploring Multi Path routing Protocols in Mobile Ad hoc Network"**, by R. K. Kapoor, M. A. Rizvi, M. M. Malik and Sanjay Sharma, published in *Journal of Computer and Mathematical sciences*, Dec. 2011 issue impact factor 1.92.

51. **"Improving Reliability, Efficiency and Effectiveness of AODV Routing Using Agents"**, by M A Rizvi, R K Kapoor, Shailendra Singh, M M Malik and Sanjay Sharma Published in International Journal of Engineering, science & Management Education in the year Jan 2012 IF 4.80.

52. , **"Professional Training for Technical Pass outs – Transformation Practices"** by R P Khambayat, M A Rizvi and R. Shrinivas Published in journal **"Technical Education and Practical Training",** Volume I, in the year 2006

53. **"Educating Technical Teachers' Through Training - A Study"** by Rajesh P. Khambayat, R. Srinivasan, S. Pradhan and M.A.Rizvi Published in journal **"Technical Education and Practical Training"**, Volume II year 2007.

.**Research Paper in International Conferences Proceedings**
   a. **Quality Improvement By Implementing Six Sigma Model In Technical Education" by** R B Shivagunde, M A Rizvi and C S Rajeshwari International Academic Conference at the University of Vienna, Vienna, Austria, April 19-21, 2022

b. "Impact of Data Modelling in Business Analytics" **By Shadab Pasha Khan**, **M A Rizvi and Manoj Mishra in International conference on recent trends in analysis and optimization during Nov 9-11 2020 at NITTTR Bhopal**

1. **"Big Data Analytics tools; A Review"** by Anu Mangle, M A Rizvi and Anjali Potnis in International conference on recent trends in analysis and optimization during Nov 9-11 2020 at NITTTR Bhopal.

2. **"Mathematical formulation of Energy Efficient Multipath Routing in zone based mobile Ad-hoc Network"** by Rani Sahu and M A Rizvi in International conference on recent trends in analysis and optimization during Nov 9-11 2020 at NITTTR Bhopal.

3. "**Routing Overhead Performance Study and Evaluation of Zone based Energy Efficient Multi-Path Routing Protocols in MANETs by using NS2.35"** by M. A. Rizvi, Rani Sahu, Mr. Manoj Mishra in IEEE sponsored International Conference on Advances in Technology, Management & Education (ICATME-2021) during 08-09 January 2021

4. "**Reliability of next generation MANET routing through E-RAT"** by Shadab Pasha =, Sitendra Tamrakar and M. A. Rizvi in IEEE sponsored International Conference on Advances in Technology, Management & Education (ICATME-2021) during 08-09 January 2021

5. **"Big Data Analytics Future Perspective and Scope in IT Applications"** by M. A. Rizvi, Anu Mangal in 11th International Statistics Congress" (ISC) The conference is organized biennially by the Turkish Statistical Association with a collaboration of Giresun University held in Vogue Hotel during n 4 October and 8 October 2019 in Turkey, Bodrum

6. **"An Analysis To Find The Efficient Clustering Algorithm For Identification of User Access Pattern"** by Monika Sharma, Prerna Kumari and M A Rizvi in 8th IEEE International Conference CSNT 2018 **and MIR Labs, Gwalior, with technical support of IEEE MP Subsection and Bombay Section** at RGPV Bhopal during 24-26 Nov 2018

7. **"Virtual machine selection strategy based on Grey Wolf Optimizer In Cloud Environment: A case study"** by Priyanshi Singh and M A Rizvi in 8th IEEE International Conference CSNT 2018 and MIR Labs, Gwalior, with technical support of IEEE MP Subsection and Bombay Section at RGPV Bhopal during 24-26 Nov 2018

8. **"Efficient Technique To Improve Web User's Prediction Behavior For Navigation Pattern Using Hybrid Approach"** by Monika Sharma, M.A Rizvi **in** International Conference on Advancements and Innovations in Engineering, Technology (ICAIET-2018) held at St. PETER'S ENGINEERING COLLEGE. Affiliated to JNTUH, sponsored by AICTE, during 27 anf 28 April 2018, Telangana

9. **"Increased PSNR with Improved DWT Digital Watermarking Technique"** by Ifra Khan, Kushal Pal Singh, Akshay Jadhav and M A Rizvi International Conference On Emerging Trends In Expert Applications & Security (ICETEAS 2018) held in Jaipur Engineering College & Research Centre (JECRC), technically sponsored by BJIT – published by Springer Nature and IGI, Glopbal, AICTE, DST, RTU, CSI and ACM Jaipur SCI/SCOPUS/DBLP Google scholar Indexed on Feb 17-18, 2018

10. **"Analysis Of Job Stress Affecting Performance Of Technical Teachers"** by M A Rizvi and Anu MAngal in 28th International Conference on Teaching, Education & Learning (ICTEL) Organized by Association for Development of Teaching, Education and Learning (ADTEL) during 20-21 Dec-2017 Flora Grand Hotel, Near Al Rigga Metro Station, Deira, Dubai, United Arab Emirates.

11. **"Study Of Opportunistic Network: Its Application, Message Transferring Techniques, Security And Privacy Issue",** Prgati Ambadkar and M A Rizvi International Conference on Leveraging Information Technology for Inter- Sectoral Research on February 17 & 18, 2017 as Thakur college of Engineering, Mumbai
12. **"Comparison of different cryptographic algorithm"** by Alka Pande and M A Rizvi International Conference on Leveraging Information Technology for Inter- Sectoral Research on February 17 & 18, 2017 as Thakur college of Engineering, Mumbai
13. **"To Improve the Performance of Web Server Usage"** by Akshay Gupta and M A Rizvi in National Seminar on "Assemblage of Digital ERA-2016" organized by Computer Society of India (CSI) on 18th & 19th March 2016 at BSSS College, Bhopal.
14. **"Intruder Detection Mechanism Against DoS Attack on OLSR"** by Yogesh Sahu, M A Rizvi and R K Kapoor in Fifth International Conference on Eco-friendly Computing and Communication Systems (ICECCS 2016) organized by MANIT, Bhopal technical co-sponsored by IEEE, M.P. section during 8 – 9 December 2016.
15. **"Intelligent Web Server Usability & Performance Improvement"** by Akshay Gupta and M A Rizvi in International Conference on Advances in Engineering Research and Applications at ICAERA-2016 on 15th to 16th Dec 2016 at Oriental College of Technology, Bhopal.
16. "**AFAODV – A Secured Ad Hoc On-Demand Distance Vector Routing Protocol For Prevention Of Black Hole Attack"** by Deepika Shrivastava and M A Rizvi in The International Conference on Communication Systems and Network Technologies (CSNT-2016) is organized by Chitkara University Chandigarh in association with Machine Intelligence Research Labs, Gwalior during 5 – 7 March 2016, with technical support of IEEE Delhi Section.
17. "**Assessment on efficient Approach for Secure Load Balancing in Cloud Computing** " by Kratika Singh Tomar and M A Rizvi in The International Conference on Communication Systems and Network Technologies (CSNT-2016) is organized by Chitkara University Chandigarh in association with Machine Intelligence Research Labs, Gwalior 5 – 7 March 20,16 with technical support of IEEE Delhi Section.
18. **"Cloud Based m-Learning: a Revolution in Learning"** Ratnamalya Arya and M A Rizvi in National Seminar on Reflective Practices in Pedagogy – Technology Integration During 27 – 29 November, 2015 at Regional Institute Of Education, Bhopal, NCERT.
19. **"Green Learning: An Effective ICT Based Erudition"** Monika Sahu, Kirti Raj Bhatele, Kritika Verma and M A Rizvi in National Seminar on Reflective Practices in Pedagogy – Technology Integration During 27 – 29 November, 2015 at Regional Institute Of Education, Bhopal, NCERT.
20. **"New ICT Tools in Teaching and Learning"** Kirti Raj Bhatele, Monika Sahu, Kritika Verma and M A Rizvi in National Seminar on Reflective Practices in Pedagogy – Technology Integration
    a. During 27 – 29 November, 2015 at Regional Institute Of Education, Bhopal, NCERT.
21. **"SWOT Analysis of Cloud Computing Environment"** by Sonal Dubey, Kritika Verma, M A Rizvi and Khaleel Ahmed in CSI-2015, Golden Jubilee of the Computer Society of India (CSI) 50th Annual Convention CSI@50, by CSI Delhi Chapter co sponsored by Springer held during 2 – 5 of December 2015 at Bharti Vidyapeeth Educational Complex New Delhi.
22. **"Evaluation and Analysis of eLearning Models"** by Ashish Chatkawar, Parivesh Kastiria and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.
23. **"The new era of Effective and Efficient Green Learning Based on ICT"** by Monika Sahu, Madhup Shrivastava and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

24. **"Social, Ethical & Other Issues of Networked World"** by Farhat Hashmi and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education

25. **"An Improved Task Scheduling Algorithm On E-Learning Using Cloud"** by Kritika Verma Sonal dubey and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

26. **"Designing Display System Using LED And Atmega-16 Controller With Low Power Consumption Through Solar System"** by Prashat Divedi, and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

27. **"Next Generation Mobile Network Technology :5G"** by Shadab Pasha and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hydera bad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

28. **"Identification of DoS Attack and Its Countermeasure Based on Dynamic Threshold Value of Traffic Flow"** by Preksha Nema, Yogesh Sahu and M A Rizvi in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

29. **"Dynamic Matrix Based Symmetric Key Cryptography"** by Neetu Yaday, M A Rizvi and R K Kapoor in 1st International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016) will be held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri proceeding will be published by Mc Graw Hill Education.

30. **"Infiltrator Identification system for preventing Node Isolation Attack on OLSR"** by Yougesh Sahu and M A Rizvi in 4th International Conference on Reliability Infocom Technologies and Optimization ICRITO – (2015) Cosponsored by IEEE UP section and association with CSI during 2 – 4 Sept. 2015 Amity University, Noida

31. **"A Novel Symmetric Key Cryptography using Dynamic Matrix Approach"** by Neetu Yadav, R K Kapoor and M A Rizvi International Congress on Information and Communication Technology (ICICT), Technically Co-sponsored by Springer, Udaipur India, during 9-10 October 2015.

32. **"Enhancing Amplifier Characteristics using Quantum dots"** by Parnika Dey, M A Rizvi International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2015) Technically co sponsored by Computer society of India and Springer at Ahmedabad, India during 3 - 4 July, 2015.

33. **"Efficient Face Recognition Method Using RBF Kernel and Genetic Algorithm"** by Ran Naresh Verma and Kunal Jain and M A Rizvi 2015 IEEE International Conference on Computer Communication and Control (IC4-2015), sponsored by IEEE MP section, CSI, M.p. and ISTE will be held during 10-12 Sept. 2015 at Medicap Group of Institutions Indore M.P.

34. **"Recent Trends in Network Security"** by M A Rizvi is published in the proceeding of UGC sponsored seminar at Bhopal School of Social Sciences, Bhopal during 13 – 14 March 2015.

35. **" An Efficient QoS Improving Algorithm QITS in Cloud Computing"** by Sonal Dubey, Kritika Verma and M A Rizvi accepted in International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2015**,** co sponsored by ISTE and Springer during 31 July - 01 August, 2015 **in** Nitte Meenakhsi Institute of Technology, Bangalore, India.

36. **"Symmetric Key Cryptographic Algorithm Based On Logarithmic Function"** by Preksha

Nema and M A Rizvi accepted in Fifth IEEE International Conference on Communication Systems and Network Technologies (CSNT-2015) organized by Machine Learning Research Labs, Gwalior sponsored by Shri Ram group of Institutions, Gwalior during 3 - 4 April 2015.

37. "**A Model of an E-Learning System Based on Cloud Computing**" by Sonal Dubey, Kritika Verma and M A Rizvi accepted in International Conference on Emerging Trends in Information Technology, organized by Dept. of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow during 23 – 24 March 2015.

38. "**Asymmetric Key Cryptography (BMMG) Algorithm for Information Security**" by Navneet Chak, M A Rizvi and D S Karaulia accepted in International Conference on Emerging Trends in Information Technology, organized by Dept. of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow during 23 – 24 March 2015.

39. "**A Novel Approach to Enhance QoS of Cell Edge User**" by Khaleel Ahmad, Gaurav Kumar and M A Rizvi accepted in International Conference on Emerging Trends in Information Technology, organized by Dept. of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow during 23 – 24 March 2015.

40. "**Efficient Multipath AODV with Proportional Load Sharing**" by Neelam Phate and M A Rizvi accepted in International Conference on Emerging Trends in Information Technology, organized by Dept. of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow during 23 – 24 March 2015.

41. "**Improved and Energy Efficient OLSR Protocol Using Spanning Tree in MANET**", by Priyanka Patil M A Rizvi and Khaleel Ahmed accepted in International Conference on Emerging Trends in Information Technology, organized by Dept. of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow during 23 – 24 March 2015.

42. "**Model For An E-Learning System Implemented On Cloud Computing**" by KritikaVerma, M A Rizvi, R K Kapoor, Sanjay Agrawal accepted in 2014 Hong Kong International Conference on Education, Psychology and Society held during 29-31, December 2014 at Hong Kong

43. "**Path Optimization Of AODV By EO-AODV In MANET**" by Krishna Mahajan, M.A Rizvi and D.Singh Karulia has been accepted in an International Conference on Information and Communication Technology for Competitive Strategies ICTCS 2014 sponsored by ACM, Computer Society of India (CSI) Division IV, I SIG-WNs association with Institutions of Engineers(India) Udaipur Local Centre, at Sunrise group of Institutions at Udaipur

44. "**Prevention Of Node Isolation Attack On OLSR By DFOLSR**" by Devesh Malik, M.A Rizvi has been accepted in an International Conference on Information and Communication Technology for Competitive Strategies ICTCS 2014 sponsored by ACM, Computer Society of India (CSI) Division IV, I SIG-WNs association with Institutions of Engineers(India) Udaipur Local Centre, at Sunrise group of Institutions at Udaipur

45. "**Anti-theft Cloud Apps for Android Operating System**" by Ankur Chaudhary, Khaleel Ahmad, Gaurav Tyagi and M A Rizvi has been accepted in an International Conference on Computational Intelligence and Communication Networks (CICN 2014) sponsored by IEEE and MIR Labs at 14 – 16 November 2014 at Jodhpur Rajasthan.

46. "**Big Data Privacy Based On Differential Privacy a Hope for Big Data**" by Krishnamohan Shrivastava, M.A. Rizvi and Shailendra Singh has been accepted in an International Conference on Computational Intelligence and Communication Networks (CICN 2014) sponsored by IEEE and MIR Labs at 14 – 16 November 2014 at Jodhpur Rajasthan.

47. "**Event Driven Dynamic Path Optimization For AODV In MANET**" by Krshna Mahajan, Devesh Maik, M A Rizvi and D S Karaulia has been accepted in an International Conference on Computational Intelligence and Communication Networks (CICN 2014) sponsored by IEEE and MIR Labs at 14 – 16 November 2014 at Jodhpur Rajasthan.

48. **"External Authentication Approach for Virtual Private Network Using LDAP"** by Anupriya Shrivastava and M A Rizvi has been accepted in an First International Conference on Networks & Soft Computing (ICNSC 2014) will be organized by Vignan's Foundation for Science, Technology & Research, Guntur, Andhra Pradesh with the Technical Sponsorship of IEEE Hyderabad Section during 19-20 August 2014.

49. **"Security For Node Isolation Attack On OLSR By Modifying MPR Selection Process"** by Devesh Malik, Krishna Mahajan and M A Rizvi has been accepted in an First International Conference on Networks & Soft Computing (ICNSC 2014) will be organized by Vignan's Foundation for Science, Technology & Research, Guntur, Andhra Pradesh with the Technical Sponsorship of IEEE Hyderabad Section during 19-20 August 2014.

50. "**Minimizing Congestion and Improved QoS of AODV using Clustering in Mobile Ad Hoc Network"** by Neelam Phate, Madhvi Saxena and M A Rizvi has been accepted in an IEEE International Conference On Recent Advances and innovations in Engineering (ICRAIE) organized by Poornima College of Engg., Jaipur, and Poornima University, Jaipur, India during 9 – 11 May – 2014.

51. "**An Efficient Cryptography Algorithm using Tree Data Structure**" by Nikhil Agrawal, M A Rizvi has been selected in an IEEE 4th International Conference on Information Communication & Embedded Systems - "ICICES 2014", which will held during 27th & 28th Feb 2014, at **S.A. Engineering College Chennai**'

52. **"Novel approach for reliable communication using Energy aware routing protocol in MANET"** by Akansha Meshram and M A Rizvi in International Conference on IT in Business, Industry & Govt. CSI BIG 2014 08-09 March 2014 organized by CSI Indore Chapter, Division III & IV In Association with Sri Aurobindo Institute of Technology, Indore, MP.

53. **"E-commerce Security Through Asymmetric Key Algorithm"** by Ankur Chaudhary, Khaleel Ahmad, and M A Rizvi in International Conference in Communication System and Network Technologies sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 8 - 9 2014.

54. **"Clustering Based Energy Efficient Algorithm Using Max-Heap Tree For MANET"** by Madhvi Saxena, Neelam Phate, K J MAthai and M A Rizvi in International Conference in Communication System and Network Technologies sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 8 - 9 2014.

55. **"An Efficient Cache Based Client Side DNS Resolution Approach"** by Nikhil Agrawal M A Rizvi and Shailendra singh in International Conference in Communication System and Network Technologies sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 8 - 9 2014.

56. **"Design and Evaluate Web based Courseware in Collaborative Learning Environment"** by Ravi Limay, K J Mathai and M A Rizvi in International conference World Congress on Education (WCE 2013) held in London, UK from the 2nd to the 4th of September, 2013**.**

57. **"Proficient Data Communication in MANET Using Spanning Tree"** by Priyanka Patil, Monika Sahu and M A Rizvi in International Conference on Computational Intelligence and Communication Networks (CICN 2013), technical co sponsored by GLA University Mathura, IEEE computer society and Machine Intelligence Research Labs (MIR Labs), Gwalior at GLA University Mathura India, during 26 – 28 September 2013.

58. **"Impact of Cloud in e-Learning"** by Kritika Verma and M A Rizvi in International Conference on Computational Intelligence and Communication Networks (CICN 2013), technical co sponsored by GLA University Mathura, IEEE computer society and Machine Intelligence Research Labs (**MIR Labs**), Gwalior at GLA University Mathura India, during 26 – 28 September 2013.

59. "**Boolean Algebra Based Effective and Efficient Assymetric Key Cryptography Algorithm: BAC Algorithm"** by Niraj Kumar, Pankaj Gupta, Monika Sahu and M A Rizvi in IEEE – International Multi Conference Automation, Computing, Control Communication and Compressed Sensing, iMAC4S 2013 sponsored by IEEE Kerala Section and the School of Electronics, St. Joseph's College of Engineering and Technology, Palai, Kerela, India on 22-23 March 2013**.**

60. **"Image Mining: A new approach for image data mining based on Texture"** by Monika Sahu, Madhup Shrivastava and M A Rizvi in 3rd International Conference on Computer and Communication Technology, ICCCT-2012 sponsored by IEEE computer society and IEEE Communication Society at Motilal Nehru National Institute of Technology, (MNNIT), Allahbad, India

61. **"Trait and Skills for New Engineers in the Global Market Scenario"** by Monika Sahu and M A Rizvi is accepted in an International conference on Engineering Education: Innovative Practices and Future Trends (AICERA 2012)" sponsored by IEEE Education Society and IEEE Kerela Section held in July 2012 at Amal Jyothi College of Engineering, Kanjirappally Kerela India.

62. "**Improved Support Vector Machine for Cyber attack Detection**" by Shailendra Singh, Sanjay Agrawal, M A Rizvi, R S Thakur is accepted in an International Conference organized by World Congress on Engineering and Computer Science 2011 (WCECS2011) on Internet and Multimedia Systems held at San Francisco USA during 10 – 21 October 2011.

63. **"Data management for CD-based Multimedia courseware"** by Dr. D S Karaulia and M A Rizvi, presented in International conference on Multimedia and its Applications organized by CPSC, Manila Korean Multimedia Society and T.T.T.I., Bhopal *on page number 181 of proceedings in the year 2003*.

64. **"Evaluating Multimedia based courseware"** by Dr. Anil Kumar and M A Rizvi, presented in International conference on Engineering Education organized by UNESCO Australia, at Mumbai *on page number 163 of proceedings in the year 2004*.

65. **"Computerized Question bank Development: A case study"** by M A Rizvi, R K Kapoor and Sanjay Agrawal, presented in International conference organized by ICT in Education by AISCET and C V Raman University Chattisgarh, *on page number 180 of proceedings, volume – II in the year 2004*

66. **"Development and implementation of a e-administration package on on-line management system at NITTTR, Bhopal: Case study"** by R K Kapoor, Sanjay Agrawal and M A Rizvi, presented in International conference organized by ICT in Education by AISCET and C V Raman University, Chattisgarh, *on page number 217 of proceedings, volume – I in the year 2004*.

67. **"Classification Schemes of Software agents, with a Review of Development Technology and Framework"** by M A Rizvi, R K Kapoor, Dr. M M Malik and Dr. Sanjay Sharma, published in proceedings of International conference organized by world academy of Science at LAS Vegas USA on *page number 111 of proceedings* in the year 2007.

68. **"Designing and evaluating multimedia courseware: What researches/literature says?"** By Dr. Anil Kumar, M A Rizvi and S S Kedar Presented in International conference organized by Indian Institute of Science (IISc) Bangalore on Higher Education *on page number 193 of proceedings* in the year 2007.

69. **"Learning Style based Multimedia Design- What theory and Research Say?"** By Dr. Anil Kumar, S S Kedar and M A Rizvi Presented in International conference organized by Indian Institute of Science (IISc) Bangalore on Higher Education *on page number 211 of proceedings* in the year 2007

70. **"Use of agent in Distance vector routing in minimizing overheads"** by M A Rizvi and Mukesh Gupta presented in International conference organized ISTK Kalwad Haryana on "Intelligent systems and Networks" on *page number 215 of proceedings* in the year 2009.

71. **"Image based query processing system using edges"** by Monika Sahu, Madhup Shrivastava and M A Rizvi presented in International conference organized at ISTK Kalwad Haryana on "Intelligent systems and Networks" in the March 2012.
72. **"Efficient Power Consumption using Multipath Routing in MANET"**, by Mohd Javed Khan and M A Rizvi presented in International conference organized at ISTK Kalwad Haryana on "Intelligent systems and Networks" in the March 2012.

Attended International Conferences/Seminars
1. Attended **IEEE sponsored International Conference on Advances in Technology, Management & Education (ICATME-2021)** during 08-09 January 2021
2. Attended an International conference on Recent Trends in Analysis and Optimization during Nov 9-11 2020 at NITTTR Bhopal
3. Attended **11th International Statistics Congress" (ISC)** The conference is organized biennially by the Turkish Statistical Association with a collaboration of Giresun University **held in Vogue Hotel during n 4 October and 8 October 2019 in Turkey, Bodrum**
4. Attended **28th International Conference on Teaching, Education & Learning (ICTEL)** Organized by Association For Development Of Teaching, Education And Learning (ADTEL) during 20-21 Dec- 2017 Flora Grand Hotel, Near Al Rigga Metro Station, Deira, Dubai, United Arab Emirates.
5. Attended **International Conference on Make in India: An opportunity for sustainable Entrepreneurship Development** during 16-17 February 2017 at Careener College, Bhopal
6. Attended 2nd **International Conference on Recent Trends in Computer Science and Electronics (RTCSE'17)**" organized by Gyancity Research Lab. The conference held on 02-03 January 2017 at Hotel Swiss garden Malaysia.
7. Attended and presented paper **IJAS International Conference on Engineering and Technolohy** at Munich Germany during 21-24 June 2016
8. Attended 1st **International Conference on Computer and Electronics Engineering, 2016 (ICCEE-2016)** held during 9th and 10th Jan, 2016 at Hyderabad in Collaboration with B.I.T Sindri.
9. Attended International Conference on **"Emerging Trends in Information Technology (ICETIT-2015)"**, held on 23rd & 24th March 2015 in the Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow, India.
10. Attended 2014 Hong Kong **International Conference on Education, Psychology and Society** held during 29-31, December 2014 at Hong Kong.
11. Attended **XXIV Annual Convention of National Academy of Psychology (NAOP)** 2014 organized by Indian Institute of Forest Management, Bhopal and National Institute of Technical Teachers' Training and Research, Bhopal, during 12 – 14 December 2014.
12. Attended International conference on **"Communication System and Network Technologies CSNT 2014"** sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 7 - 9 2014.
13. Attended International conference **2nd World summit on Accreditation WOSA 2014** International Recognition of educational Qualifications organized by National Board of Accreditation NBA 8 – 10 March 2014 New Delhi.
14. Attended a Seminar on **"Champion Leader Development TVET Skills for poverty Alleviation"** held in NITTTR, Bhopal co sponsored by CPSC Manila, in 16 – 20 Dec 2013.
15. Attended an **International conference** World Congress on Education (WCE 2013) held in London, UK from the 2nd to the 4th of September, 2013**.**

16. Attended an International conference on "**Engineering Education: Innovative Practices and Future Trends (AICERA 2012)"** sponsored by IEEE Education Society and IEEE Kerela Section at Amal Jyothi College of Engineering, Kanjirappally Kerela India 19 - 21 July 2012**.**

17. Attended an International conference and presented a research paper on **"Internet and Multimedia Systems"** organized by International Association of Engineers at University of California Berkeley, San Francisco USA, 19-21 October 2011.

18. Attended an International Conference on "Issue and Trends in Wind Energy" **organized by NITTTR, Bhopal, 12-14 October 2011.**

19. Attended an International conference on Quality in Technical Education organized by **NITTTR, Bhopal, Directorate of Technical Education and CPSC Manila Philippines**

20. Attended an International conference organized by **Institute of Science and Technology, Kalwad on Haryana** on "Intelligent systems and Networks" during 14-16 February 2009.

21. Attended an International conference organized by **Indian Institute of Science (IISc) Bangalore** on Higher Education during 12 – 14 July 2007.

22. Attended a 51st DAE Solid State Physics & Electronics, at **Barkatulah University, Bhopal** during 26 – 30 December 2006.

23. Attended an International conference on ICT in Education organized by **AISCET and C V Raman University, Chhattisgarh** during 16 – 18 December 2004**.**

24. Attended an International conference on Engineering Education organized by **UNESCO Australia,** at Mumbai during 9 -13 February 2004.

25. Attended an International conference on Multimedia and its Applications organized by **CPSC, Manila, Korean Multimedia Society and T.T.T.I., Bhopal** at Agra during 13 – 16 January 2003.

Attended National Workshop/Conference/Seminar

1. Attended a National Conference on Innovations in Teaching and Learning Process an Assessment in Technical Education, during Sept 25-16 September 2019.

2. Attended National Conference on Skill Development and Entrepreneurship: Scaling New Horizons during 18-19 Feb 2020 at NITTTR, Bhopal.

3. VIP Distinguished Guest in 4th series of National Round Table Conference on Skilling in Higher Education - MP Edition "**Various Initiatives undertaken by Government of India for making Education suitable to Industry**" on 27th March, 2019 BSNL Bhopal.

4. Attended National Conference on "**Recent Trends In Applied Sciences And Computing Engineering (RTASCE 2018**)" during December 21-23, 2018 at School of Advanced Sciences Languages & School of Computer science and Engineering VIT Bhopal University.

5. Attended Two days National Seminar **Emergence of Cloud Computing Big Data in New IT Perspectives** during 7 – 8 Sept. 2018, sponsored MPCST, Bhopal organized by Bhopal School of Social Sciences, Bhopal.

6. Attended National conference on "**Assemblage of Digital Era 2016**" at Bhopal School of Social Sciences, Bhopal during 18 – 19 March 2016.

7. Attended National Seminar on "**Reflective Practices in Pedagogy – Technology Integration**" during 27 – 29 November, 2015 at Regional Institute Of Education, Bhopal, NCERT.

8. Attended National Workshop on "**Applications of GIS in Planning and Development**" in association with M.P. Council of Science and Technology at G.T Polytechnic Jaora, M.P. during 23 – 24 May 2015.

9. Attended National Seminar on **"Recent Trends in Network Security"** in association with UGC sponsored National seminar at Bhopal School of social Sciences, Bhopal during 13 – 14 March 2015.
10. Attended a national workshop on "**Enterprise Resource Planning**" at NITTTR, Bhopal during 28 and 29 January 2014.
11. Attended a National seminar/workshop on Hindi Rastriya Bhasa Organized by NITTTR, Bhopal
12. Attended National conference "**Managing Examination Reforms**" conducted by NITTTR, Bhopal India.
13. National Seminar on "**Perspective trends in IT**" conducted by CSI & MACT, Bhopal India.
14. Attended National Seminar on **use of MIS Packages** developed for monitoring of World Bank Assisted Projects at NPIU New Delhi, India.
15. Invited as resource person in the workshop for the Development of Question Bank Organized by **PSSCIVE, Bhopal India**.
16. Attended National Workshop on "**Managing Examination Reforms**" conducted by T.T.T.I. Bhopal.
17. Invited as resource in the Workshop for the Development of competence based material on "Computer Hardware Maintenance" Organized by **PSSCIVE, at DTE, Chennai Tamil Nadu India.**
18. Invited as resource person in the Workshop for the Development competence based material on "Computer Hardware Maintenance" Organized by **PSSCIVE, Bhopal India**.

Research Contribution

1. Conducted a research and submitted a report to World Bank on "**Effective Utilization of Resources"** for Nagaland State of India.
2. Conducted a research and submitted a report to World Bank on "**Impact study of Tech Ed III project**" for Jammu and Kashmir State of India.
3. Conducted a research and submitted a report to World Bank on "**Effective Utilization of Laboratory Equipment**" for Maharastra State, India.
4. Developed a software for analysis of questionnaire for "**Participation of Women in Technician Education Possibilities and Hurdles".**
5. **"Training need analysis"** of Maharastra, Gujarat, Goa and Madhaya Pradesh.

Professional Experience:

- Working as Associate Professor (Computer Applications) from 30th December 2010 till date.
- Worked as Assistant Professor (Computer Applications) from 30th December 2007 to 29th December 2010.
- Worked as Lecturer (Senior Scale) (Computer Applications) from 30th December 2002 to 29th December 2007.
- Worked as Lecturer Computer Applications in this Institute from 28th December, 1997 to 29th December 2002.
- Worked as Programmer in T.T.T.I. from 31st of March 1993 to 28th December 1997.
- Worked as Assistant Programmer in Central Pension Accounting Office, Ministry of Finance, and Dept. Of Expenditure, Govt. of India, New Delhi from 4th April 1990 to 30th of March 1993.
- Worked as faculty in Bharat Computer Centre, Bhopal from 1st May 89 to 24th March 1990.
- Worked as Executive in Commercial Consultant India, Bhopal from 1st Dec. 88 to 31st March 89.

Professional Courses/Training Programme attended

1. Attended one week international programme on "Strengthening TVET Instructional System" organize by CPSC Manila during 13 to 17 July 2020 sponsored by Govt. of India in Online mode
2. .
3. Attended one week Programme on **"Bigdata and Hadoop "**organized by NITTTR, Bhopal in April 2017.
4. Attended one week Regional Programme on **"Academic and Research Paper Writing"** organized by NITTTR, Bhopal in April 2013.
5. Attended one week National Programme of Master Trainer on **"Quality Management Standards and Quality Technology tools"** organized by Quality Council of India, New Delhi, at NITTTR, Chandigarh, in March 2013.
6. Attended one week Regional Programme on **"Communication Skills"** organized by NITTTR, Bhopal in September 2010.
7. Attended one week Regional programme on **"Evaluating educational Programmes, Accreditation and ISO"** organized by **NITTTR, Bhopal** in September 2007.
8. Attended one week Regional programme on **"Developing drawing and graphics using computer"** organized by **NITTTR, Bhopal**, July - August 2007.
9. Attended one week Regional programme on **"Conducting Action Research in Technical education"** organized by **NITTTR, Bhopal**, June 2007.
10. Attended two week programme on "Using Dot NET Framework for Application Development" organized by **NITTTR, Bhopal**, July 2006.
11. Attended two weeks Regional Training Programme on "Developing web based multimedia Instructional Material" organized by **CPSC, Manila at TTTI, Bhopal** August 2001.
12. Attended two weeks Training of Trainer Programme conducted by **TTTI, Bhopal** for Cement Industry.
13. Attended two weeks In-country Programme conducted by **TTTI, Bhopal, CPC Manila and Ministry of HRD Govt. of India** on "Institutional Autonomy".
14. Attended four days training Programme on **"ISO 900:2000",** at TTTI Bhopal organized by Q-Con Consultant**, Bhopal**
15. Attended six weeks Computer Programming Course in "FORTRAN IV" conducted by **MACT, Bhopal in 1986.**
16. Attended fifteen days Training Programme on **UNIX, C & Unify** Programme conducted by NIIT, New Delhi in 1990.
17. Attended two weeks training on **TenCore** conducted by Tata Interactive Services, Mumbai

Teaching Experience:

- Co-ordinator and faculty in M.Tech Digital Communications DC for the paper Digital Communications.
- Co-ordinator and faculty in M.Tech Computer Technology and Applications (CTA) for the paper Distributed Systems
- Co-ordinator and faculty in M.Tech Computer Technology and Applications (CTA) for the paper Programming Systems.
- Co-ordinator and faculty in MBA programme for the Paper Computer applications for the Managers.
- Co-ordinator/faculty in Ph.D. programme for the Batch of CPSC Manila sponsored candidate for paper of computer Applications
- Co-ordinator/faculty in M.Tech Ed. (IT Stream)
- Guided M.Tech., MCA, B.Tech., BE, M.Sc. and MIT students for their dissertation/project work

- Co-ordinator/faculty of Induction Programme Phase I and II several times.
- Faculty in Training of Trainer's programme for Cement Industry personnel.
- Co-ordinated and faculty of Computer Application Module and other management module of Telco Dealer supervisors
- Faculty in Kendriya Vidyalaya Sangathan Computer Application Course
- Co-ordinator and faculty in short term training programme conducted by the Institute for the faculty of Polytechnics and Engineering college and consultancy courses in following areas:

Organized International/National Workshop/Conference/Seminar

1. Core team member in organizing **XXIV Annual Convention of National Academy of Psychology (NAOP)** 2014 organized by Indian Institute of Forest Management, Bhopal and National Institute of Technical Teachers' Training and Research, Bhopal, during 12 – 14 December 2014.
2. Core team member in organizing International Conference in Communication System and Network Technologies CSNT-2014 sponsored by IEEE and MIR Labs at National Institute of Technical Teachers Training and Research, Bhopal, in April 8 - 9 2014.
3. Organised National Seminar on "**Compilation of Error of MIS"** developed by NPIU, New Delhi at NITTTR, Bhopal India.
4. Team member in organizing International conference on **"Wind Energy"** organized by NITTTR, Bhopal India.
5. Team member in organizing International conference on **"Issue and Trends in Wind Energy"** organized by NITTTR, Bhopal, 12-14 October 2011.

Other Publications/LRs

- Co-authored a module on "**Office Automation and Paperless work**".
- Co-authored a module on **"Effective utilization of laboratories"**.
- Writing a book Title "**PC Maintenance and Troubleshooting**" almost 90% work is complete and renowned Publishing house is agreed to publish.
- Co-Author a Book on **"Computer and Communication a Practical Manual for Internet Café"** for NCERT New Delhi India
- Self-learning Module on "**Purchase Procedure"**.
- Competency based module on **MS-Word, MS-Excel, MS-PowerPoint and MS-Access**
- Powerpoint Presentation developed approximately 75 in numbers on different topics**.**
- Developed a Module on **"ICT in Education"** for the training of Principals and Regional Directors of Kendriya Vidhayalaya Sangathan
- Hi-Tech Directory for equipment Purchase for **NPIU (World Bank Project),** New Delhi

Teaching Experience:

- Guest Faculty in BU Phd Course work in Management stream.
- Co-ordinator and faculty in M.Tech Computer Technology and Applications (CTA) for the paper Distributed Systems
- Co-ordinator and faculty in M.Tech Computer Technology and Applications (CTA) for the paper Programming Systems.
- Co-ordinator and faculty in MBA programme for the Paper Computer applications for the Managers.
- Co-ordinator/faculty in Ph.D. programme for the Batch of CPSC Manila sponsored candidate for paper of computer Applications

- Co-ordinator/faculty in M.Tech Ed. (IT Stream)
- Guided M.Tech., MCA, B.Tech., BE, M.Sc. and MIT students for their dissertation/project work
- Co-ordinator/faculty of Induction Programme Phase I and II several times.
- Faculty in Training of Trainer's programme for Cement Industry personnel.
- Co-ordinated and faculty of Computer Application Module and other management module of Telco Dealer supervisors
- Faculty in Kendriya Vidyalaya Sangathan Computer Application Course
- Co-ordinator and faculty in short term training programme conducted by the Institute for the faculty of Polytechnics and Engineering college and consultancy courses in following areas:

Faculty/coordinator in content updating programmes like: PC maintenance and Troubleshooting, Oracle, Computer Graphics, Information Technology, Visual Basic, HTML, PHP, Dynamic Web page Design, Computer Networking, Management Information Systems, Web design, Web application development, Multimedia authoring, Office Automation, Java, Internet, Linux server Administration, Computer Technology for the Teachers, dBASE, ACAD, FoxPro2, InstaPlan, Unix, ISQL, DSQL, C, Window-95, MS-Word, MS-Excel, MS-Access, MS-PowerPoint, Laboratory management, Purchase management, Office Automation and Paperless work, Educational Technology several times and other short course/workshop undertaken by different Departments/Centres of the Institute time to time.

Other Dissertations/Projects guided

1. Guided MCA project work on **"Design Development and Implementation of MIS on Community Polytechnic for MHRD"**, to Aditya Kumar Gupta and Sanjay Kumar of MACT, Bhopal in the year 1996.
2. Guided PGDCA dissertation work on **"Library Information Processing System"**, to Mohd. Saleem and Faheem Contractor from Dept. of Computer science of Barkatullah University Bhopal in the year 1993.
3. Guided B.Tech project work on **"Visual Basic Tutorial"** to Lovely Agrawal and Ujjwal Sharma from Dept. of Computer Science and engineering of Indian school of Mines Dhanbad in the year 1999.
4. Guided M.Sc. Computer Science Dissertation work on **"Compterised Question Bank and Online Testing"** to Santosh Kumar Kushwaha, Ritesh Kumar Sankawan and Vikas Yadav from Dept. from Compter Science and Applications of Barkatullah University, Bhopal in the year 2001.
5. Guided Master of Information Technology (MIT), project work on **"Electronic Lab"** to Sanjeev Jadav from M.P. Science and Technology Entrepreneur Park of Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalay, Bhopal in the year 2002.
6. Guided M.Sc. Computer Science Dissertation work on **"Compterised Item Bank"** to Arti Sharma, Nutan Richarya, Disha Rastogi and Vidhya Vishwanathan from Dept. from Compter Science and Applications of SATI, Vidisha in the year 2000.
7. Guided B.Tech Project on **"Computerised Generation of Question Bank"** to Souman Saha and Tapan Sharma from Dept. of electronics and Computer Science of Mahatma Gandhi Chitrakoot Gramoday Vishwavidyalay, Chitrakoot in the year 2002.
8. Guided a M.Sc. Computer Science dissertation on **"Computer System equipment Profile"** to Bhavna Agrawal, Chetali Agrawal, Nidhi Nigam and Mir Muhammad Baquer Ali from Dept. of Computer science and Applications of Barkatullah University, Bhopal in the year 2002.
9. Guided MCA project on **"Web based On-line Examination"** to Dolly Gobhiya and Poornima Niweriya of MANIT, Bhopal, Radha Chaturvedi of Govt. Engineering College Bhopal and Anurag Kapoor of BIST, Bhopal in the year 2008.

10. Guided BE project on **"Dispensary Management"** to Anita and Renuka from Dept. of Computer Science of LNCT, Bhopal in the year 2000.

Other Publications/LRs

- Co-authored a module on "**Office Automation and Paperless work**".
- Co-authored a module on **"Effective utilization of laboratories"**.
- Writing a book Title "**PC Maintenance and Troubleshooting**" almost 90% work is complete and renowned Publishing house is agreed to publish.
- Co-Author a Book on **"Computer and Communication a Practical Manual for Internet Café"** for NCERT New Delhi India
- Self-learning Module on "**Purchase Procedure"**.
- Competency based module on **MS-Word, MS-Excel, MS-PowerPoint and MS-Access**
- Powerpoint Presentation developed approximately 75 in numbers on different topics**.**
- Developed a Module on **"ICT in Education"** for the training of Principals and Regional Directors of Kendriya Vidhayalaya Sangathan
- Hi-Tech Directory for equipment Purchase for **NPIU (World Bank Project),** New Delhi

Curriculum Developed

- Curriculum of Material Science for **B.E IT for RGPV, Bhopal India**.
- An outcome based curriculum has been developed for the Programme of **"Information Technology"** for the (MSBTE), Maharashtra.
- An outcome based curriculum has been developed for the Programme of **"Computer Engineering"** for the (MSBTE), Maharashtra.
- An outcome based curriculum has been developed for the Programme of **"Information Technology"** for the Gujarat Technical University (GTU), Gujarat.
- An outcome based curriculum has been developed for the Programme of **"Computer Engineering"** for the Gujarat Technical University (GTU), Gujarat.
- A competency based curriculum on **"Page Maker" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"PowerPoint" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"PC Maintenance and troubleshooting" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"Assembling of PC" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"Installation of Motherboard" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"Installation of Peripherals" for Vocational Education a Govt. India Project NSDC.**
- A competency based curriculum on **"Laptop Maintenance" for Vocational Education a Govt. India Project NSDC.**
- Revising the curriculum of Diploma programme of **"Computer Science and Engineering" for Rajiv Gandhi Technological University, Bhopal M.P India.**
- A competency-based B.E. curriculum has been developed for Programme for **"Computer Science and Engineering" for Rajiv Gandhi Technological University, Bhopal M.P.**

- A competency-based curriculum has been revised for Diversify Diploma Programme for **"Computer Applications" for Nagaland State.**
- A competency-based curriculum has been developed for Diploma Programme for **"Modern office Management" for Chattisgarh State India.**
- A competency-based curriculum has been developed for Diversify Diploma Programme for **"Computer Technology" for Maharastra State India.**
- A competency-based curriculum has been developed for Diversify Diploma Programme for **"Computer Engineering" for Maharastra State India.**
- A competency-based curriculum has been developed for Diploma Programme **of "Computer Applications" for Nagaland state India.**
- A competency-based curriculum has been developed for Diploma Programme of **"Computer Science and Information Technology (IT)" for Arunachal Pradesh India.**
- A competency-based curriculum has been developed for Diploma in **"Information Technology" for Vocational Education taken up by PSSCIVE, Bhopal India.**
- Curriculum for **(IT Stream) for M.Tech Ed for National Institute Technical Teachers' Training and Research, Bhopal India**.

Software Development

I. **Multimedia Training projects**
- **"Regimes of Lubrication"** for Cement Manufacturing Association CMA India
- **"Maintenance of Compressor including Screw Compressor"** for Cement Manufacturing Association CMA India
- **"Environment Training Institute"** for TamilNadu And Karnataka state
- **"Maintenance of Air Break System"** for Indian Railways
- **"Domains of learning"** for Regional Engg. Colleges British Council
- **"Selection of Teaching Methods"** for Regional Engg. Colleges British Council.

II. **Multimedia Presentation**

- A Profile for ILTIS Company, Germany
- A presentation for Cement Manufacturing Association CMA India
- A Profile for T.T.T.I., Bhopal

III. **Other Software Developed at TTTI, Bhopal:**

- Developed software for monitoring the progress of Community Polytechnic including release of grants setting of targets and their achievements quarterly and analysis of new profiles for the Ministry of HRD.
- Develop Question Banking Software with On-line testing Feature in stand-alone mode.
- Developed a Calendar for Quality improvement Programme.
- Developed software for complete record keeping of contingency employees of the Institute.
- Developed Accounts Software in T.T.T.I. Bhopal.
- Develop Software on "Computer System Profile Maintenance".

IV. **State Projects:**

- Co-ordinated processing of result of pre-polytechnic test conducted by Bihar state in the year 1994.

- Team member for processing of result of pre-polytechnic test conducted by U.P. state in the year 1994.
- Coordinator of question bank project for the Maharashtra state for the diploma in computer Applications.

Software developed for Central Pension Accounting Office, New Delhi

- Developed Pension Accounting and Retrieval System (PEARL) for Central Pension Accounting Office, Ministry of Finance Deptt. Of Expenditure using Oracle 5.0, C and Pro C this MIS cover every activity related to Pension office like:
- Diary of incoming post
- Authorization of new PPOs
- Commutation of Pension
- Transfer of Authority
- Account tally through banks
- Preparation of BankData
- Developed a software "Library Information Processing System"(LIPS) Using Clipper and dBASE
- Developed software for preparation of Office Accounts, which goes to CGA fortnightly.
- Developed software of payroll for all the employees of Central Pension Accounting Office.
- Developed a backup utility for taking data backup on incremental and on modification basis.

Administrative Activities

- Prof I/c Programmes (Calendar and Consultancy) since 2018.
- Head Dept. of Computer Engineering and Applications since 5 August 2016.
- Member Academic Council of Institute.
- Member Finalization of Rules of PG Programme of Institute.
- Member welfare committee for the staff of the Institute.
- Member Rajbhsha committee of the Institute.
- Deputy Controller of Exams conducted by RGPV.
- Member Board of Studies BSSS, College Bhopal
- Member Selection/promotion Committee of RIE.
- Member Selection/promotion Committee of PSSCIVE.
- Member purchase committee for Computing and other related equipment.
- Member Academic council of the Institute.
- Member designing a programme for finishing school for the Engineering graduate passouts.
- In-charge Development section from last three Years.
- Member Tender Committee for finalization of AMC of computing equipment Tender document.
- Prof. In charge maintenance of computing and other related equipment
- Member DPC committee for class III and IV
- Member Institute LAN committee
- Prof. I/c Software Library for four years
- Member various purchase committee constituted by the Director in the Institute

(M A Rizvi)