

DR.VIJAYALAKSHMI.M.N

Date of Birth : 11th February 1974

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Educational Qualifications

Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Class & % marks
B.Sc(PME)Degree	Karnataka University	Govindaram Seksaria Science College, Belgaum	1994	First Class 69.00%
MCA Degree	Bangalore University	Siddganga Institute of Technology, Tumkur	1998	First Class 77.00%
M.Phil	Bharathidasan University	St. Joseph College, Bangalore	2007	First Class 73.00%
Ph. D	Mother Teresa Women's University, Kodaikanal		October 2010	

Thesis Title: “Efficient Use of Clustering Algorithms for Various Computer Applications”

Work Experience

Sl. No	University / College	Designation	Period	Total
1	S.J.C Institute of Technology, Chickaballapur	Lecturer	Dec 1999 –Dec 2000	1 year
2	R.R. College of Management Studies and Computer Applications, Bangalore	Lecturer	Jan 2001 – Sept 2001	8 Months
3	RV College of Engineering Department of MCA	Lecturer Sr. Lecturer Asst. Professor Associate Professor	Sept 2001 –Nov 2007 Nov 2007 –April 2010 April 2010 – Mar 2012 Mar 2012 – Nov 2021	6years 2 months 2years 5 months 1 year 11 months 9 years 8 months

4	RV College of Engineering Department of AI&ML	Associate Professor	Dec 2021- till date	
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Projects & Consultancy Activities

● **Projects Completed**

Sl. No.	Project Title	Project Duration	Amount received	Funding Agency
1.	Design and Development of an algorithm for Data Access and Replication in Mobile Environment using Data mining Techniques	1 year	Rs.20,000/- 2011-12	Computer Society of India
2.	“Recent Trends in Computational Intelligence and Analytics “ Faculty Development Program For Engineering College(FDP)	-	Rs.1,00,000/-	VGST

● **Consultancy Works Undertaken with Industry Collaboration**

1. Mentoring the project on Auto-ISP: An Efficient Real-Time Automatic Hyperparameter Optimization Framework for ISP Hardware System in Collaboation with Emmetra Limited during April 2025
2. Mentoring the project on “Email Marketing” in Collaboration with Epsilon India during April 2025
3. Mentored and completed project on “Email Campaign Generator” in Collaboration with **Epsilon India** during May 2024- August 2024
4. Coordinated and guided the students towards consultancy works titled “**Plant Health Monitoring Systems**” in association with “**Bull Works Limited**”
5. Coordinated and guided the students towards **Industry Oriented Minor Project during the year 2019-2020**, titled “**Digitization of ECG Signal recovery Health Analysis**” in association with **M/s IMEDRIX Solutions.**
6. Coordinated and guided the students towards **Consultancy Project** titled “**Social Data Collector**” in association with **M/s Bigtapp India Pvt Ltd** for a period of three months from October 2014 worth Rs. 25,000/- per month.

● **Trainings Conducted for Industry Experts**

1. Faculty handling modules for **Certificate Course on Data Science** in collaboration with **Boston India Pvt. Ltd** with the registration fee of **Rs.60,000/- + GST**
 - Completed - 04 batches
2. Resource Person for the 3 day training program on “Power BI: Data Analytics and Visualization” for the Industry participants from **TKAP**, Bengaluru. The training conducted under the Center of Competence in Visual Computing during September 2023 (Revenue generated under MoU for Rs. 1,50,000/-)
3. Training on “Data Analytics and Visualization” for the Industry Participants from **Daimler**

Research Activities

- Recognized PhD Guide – VTU Research Center , Dept. of MCA,RVCE
- Member of Doctoral Committee for different VTU Research Centers
- Paper setter for VTU PhD Course work

- **Ph.D. Award**

Name of Student	Year of Registration	Research Topic	University
Dr. S. Anupama Kumar	November 2010	Efficiency of Predictive Analysis in Educational Data	Prist University, Tanjavur Degree Awarded March 2014
Dr. Divya.T. L	December 2011	Analysis and prediction of forest fire occurrence and its consequences using data mining techniques	Visvesvaraya Technological University Belgaum Degree Awarded March 2019
Dr. Senthil Vadivu.M	November 2016	An Efficient Framework for Fire Detection in Still Images using Machine Learning Algorithms	Bharathiar University Coimbatore Degree Awarded November 2020

- **Research Scholars**

Name of Student	Year of Registration	Research Topic	University
Mrs. Vyshali J Gogi	May 2015	Application of Data Mining Techniques for the Analysis and Study of Hepatocellular Carcinoma	Visvesvaraya Technological University Belagavi (Thesis Submission)
Mr. Santosh Akki	May 2014	An Evaluation of effectiveness of e-Governance Services using Data mining Techniques	Visvesvaraya Technological University Belagavi (Completed Course Work)
Mrs. Supriya Mallad	October 2024	Deep Learning for Unstructured Clinical Notes Analysis to Enhance Patient Risk Stratification using FHIR Integrated	

- **Citation Details**

Scopus ID: 57200630505 - Citation: 85 || h-Index – 6

Web of Science: AAK-5136-2021 – Citation: 14 || h-Index - 2

Google scholar Citation: 465 || h-index: 11 || i10-index: 11

- **Research Projects Submitted**

1. A proposal titled "**Database centric Software life cycle and management tool with Machine learning**" submitted to ISRO – **Completed the presentation on 27th March 2024**
2. Submitted proposal to Bureau of Police Research & Development on "**Drones systems: Study, implementation, evaluation, and recommendations for crime deterrence**" during April 2022
3. Recent Trends in Computational Intelligence and Analytics:, Faculty Development Program For Engineering College (FDP-Engg.), Vision Group on Science and Technology, Department of information technology, biotechnology & science and technology – **December 2019**
4. A proposal titled "Design and Development of Prototype for Mobile Radiation Exposure and its Impact" submitted to VTU TEQIP Cell under Competitive Research Funding Scheme – Co-Principal Investigator – **4th October 2019**
5. A proposal to Indian Space Research Organization under the scheme *Space National Academic Partner(S-NAP)* in the field of **Computer Science- High Speed Computing and Big Data Analytics** was submitted - **2nd April 2019**
6. "Development of a Speculative Analytical System for Chronic Obstructive Pulmonary Diseases Epidemiology using Big Data Analytics" to DST under ICPS Division-**March 2017**
7. "Marine Object Detection in Surveillance using Human Centric Approach "submitted to **Naval Research Board, New Delhi** and attended the meeting on **27th November 2014**.
8. "Development of an efficient algorithm for Predication and Analysis of forest fire detection from satellite imagery and Spatial Data Mining" submitted to **Ministry of Environment and forests, Government of India - 2013**
9. Prepared AICTE Faculty Development Program on "Cloud Computing Application, Framework Installation and Security" to **AICTE**.
10. Implementation Of Predictive Model For Student Assessment Data Submitted to **VTU -2011**
11. Prepared and uploaded proposal under **AICTE** for "Setting up a Cloud Center of Excellence" under the scheme MODROB – got sanctioned- Rs.7.5 lakhs – Dr. Sumithra Devi K A
12. Coordinated in preparation and uploading of proposal under AICTE under Career award for young teachers "Secured and proficient information transfer for Image-based Wireless Sensor Networks"
13. National Level Symposium on Knowledge Discovery for Wireless Sensor Network Technologies and Applications to **AICTE** with Application Id – 1-1493944571.
14. "Educational Data Mining specific to classification algorithm" submitted to **UGC, New Delhi -2014**.
15. Development of Expert-system for the Improvement of Indian Education Using Data Mining Technique submitted to Minor Research Project to **UGC, New Delhi – 2011**
16. Design And Implementation of Predictive Model For Assessing Student Data submitted to Minor Research Project to **UGC, New Delhi - 2013**
17. "Development of efficient algorithm for forest fire risk zone mapping from satellite imagery and Spatial Data Mining" submitted to **DST, New Delhi.-2012**
18. "Grouping of Meta knowledge for Problem Solving by Clustering Technique", presented to **AICTE, New Dellhi-2010**, and attended **Expert Committee meeting** on 10th March 2010.
19. "Data management in mobile environments", presented to Visvesvaraya Technological University- 2010 and presented on 18th October 2010

- **Patent Filed:**

Title: An Effective ROI Based Hybrid Progressive Medical Image Transmission and Reconstruction

Application No. and Date: 202141034934, 3rd August 2021

- **Book Published**

1. "Optimal Energy Utilization in Sensor Networks by Clustering", LAMBERT Academic Publishing, Germany, ISBN 978-3-659-24571-8, 2012.
2. "Future Computing", Published 2013 by Narosa Publishing House, ISBN-13: 978-81-8487-271-2, 2013

- **Paper Publications**

Book chapters

1. Vyshali J Gogi, Dr. Vijayalakshmi M.N, "Characterization of elevated tumor markers in diagnosis of HCC using data mining methods," Book Chapter "Encyclopedia of Information Science and Technology, 5th Edition (3 Volumes), ISBN13: 9781799834793|ISBN10: 1799834794|EISBN13: 9781799834809|DOI: 10.4018/978-1-7998-3479-3, June 2020
2. Dr. Anupama Kumar, Dr. Vijayalakshmi. M. N, Prof. Shaila H K, "Narrative And Text Visualization: A Technique To Enhance Teaching Learning Process In Higher Education", Book on Data Visualization Springer, Singapore, First Online 04 March 2020 , DOI https://doi.org/10.1007/978-981-15-2282-6_1 , Publisher Name Springer, Singapore Print ISBN 978-981-15-2281-9 Online ISBN 978-981-15-2282-6, eBook Packages Computer Science (**Scopus Indexed**)
3. Dr.S. Anupama Kumar, Dr. Vijayalakshmi. M.N, Divya.T.L, K.N. Subramanya," Computational Intelligence for Data Analytics. In: Kumar R., Wiil U. (eds) Recent Advances in Computational Intelligence. Studies in Computational Intelligence, vol 823, March 2019, Springer, Cham, Print ISBN 978-3-030-12499-1 , Online ISBN 978-3-030-12500-4(**Scopus Indexed**)
4. Dr. S. Anupama Kumar, Dr. Vijayalakshmi "Efficiency of Multi Instance Learning in Educational Data Mining", Book Chapter in Knowledge Computing and its applications Volume- II, 2018, Springer Nature by Singapore Print ISBN 978-981-10-8257-3, Online ISBN 978-981-10-8258-0 (**Scopus Indexed**)
5. Divya.T.L, Dr.Vijayalakshmi.M.N,"Inference Of Replanting In Forest Fire Affected Land Using Data Mining", Published as book chapter-13 in Computational Intelligence in Volume-1(Springer Publish),ISSN 21945357, Dec 2015,Pgno 121-129.

International Journals

1. Narasimha, S. S., Anna, D.M., Reddy, A. M N Vijayalakshmi et al, "Visualization of Real-Time Smart Home Data Using PowerBI" SN COMPUT. SCI. 5, 725 (2024). <https://doi.org/10.1007/s42979-024-03051-5>. (**Q2 journal**)
2. Narasimha Swamy S, Dheeraj Manirathnam Anna, Vijayalakshmi M. N and Kota Solomon Raju,"Enabling Lightweight Device Authentication in Message Queuing Telemetry TransportProtocol," in IEEE Internet of Things Journal, DOI: 10.1109/JIOT.2024.3349394. (**Q1 Journal**)
3. Vijayalakshmi.M.N, Andhe, D., Swamy, S.N. ,"Application of Machine Learning Algorithms for Detection of Vulnerability in Web Applications. SN COMPUT. SCI. 4, 110 December 2022, <https://doi.org/10.1007/s42979-022-01518-x> (**Q2 journal**)

4. Vijayalakshmi. M. N, Andhe Dharani, Narasimha Swamy S,” Real-Time Drowning Detection System using YOLO Framework”, GIS Science Journal, Volume 8, Issue 7, July 2021 ISSN No.1869-9391 pp 820-825 (**Scopus Indexed**)
5. Divya TL, Anupama Kumar S, Vijayalakshmi MN, Andhe Dharani, “Analysis And Empirical Decision for Post Forest Fire Effects on Atmosphere and Vegetation Loss”, Eur. Chem. Bull. 2023, 12 (1), 3324 – 3329, doi: 10.31838/ecb/2023.12.1.437 (**Q3 Journal**)
6. Divya.T. L, Vijayalakshmi M. N, S Anupama Kumar, “Detection of Supporting Features and its implications on Forest Fire occurrence using Random Forest Algorithm” Journal on Complex Systems and Complexity Science Journal, Volume 8, Issue 4 , April 2021, ISSN-NO-1672-3813,pp 1-8, (**Q4 Journal**)
7. Vyshali Gogi,Dr.Vijayalakshmi.M.N ”Surveillance of Deep Learning methods for the prognosis of Hepatocellular Carcinoma”,GIS Science Journal, Vol 7, Issue 11,November 2020, ISSN NO : 1869-9391,pp1160-1167
8. Vyshali Gogi,Dr.Vijayalakshmi ,” Expedition of Machine Learning Techniques to Scrutinize Staging of Hepatocellular Carcinoma”, International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 10, October 2020, pp. 871-881, ISSN Print: 0976-6480 and ISSN Online: 0976-6499 (**Scopus Indexed**)
9. M.Senthil Vadivu, Dr.Vijayalakshmi.M.N,”Highly Accurate DWT-NSCT based forest fire detection(DWT-NSCT_FFD) from still images using Extreme Learning Machine(ELM) Classifier”, Journal of Advanced Research in Dynamical & Control Systems, Vol.11,01-Special Issue,2019, ISSN 1943-023X,pp 772-785
10. M.Senthil vadivu,Vijayalakshmi M.N,”An Efficient Multi-Feature Best Decision Based Forest Fire Detection (MF-BD-FFD) From Still Images”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7 Issue-4S2, December 2018,pp 207-212
11. M.Senthil vadivu,Dr.Vijayalakshmi M.N,”Efficient Fire Pixel Segmentation Using Color Models in Still Images International Journal of Computer Sciences and Engineering ,Vol.-6, Issue-9, Sept. 2018 ,E-ISSN: 2347-269,pp23-28
12. M.Senthil vadivu,Dr.Vijayalakshmi,” Implications of Color Models in Image Processing for Fire Detection” International Journal of Computer Applications (0975 – 8887) Volume 179 – No.35, April 2018, ISSN 0975-8887,pp 38-41
13. Dr. Vijayalakshmi M N,Dr. Andhe Dharani,Narasimha Swamy S,"Realization of IoT Solution for Smart Agri and ITS using Cloud", International Journal of Advanced Engineering and Technology ,ISSN: 2456-7655; Impact Factor: RJIF 5.54,Volume 1; Issue 3; July 2017; Page No. 20-23.
14. Dr.Vijayalakshmi.M.N, M.Senthilvadivu,”A review of Hyperspectral Remote Sensing for Object Identification,”International Journal of Research in Engineering and Applied Science,Vol 5, Issue11, November 2015, ISSN 2249-3005,pp 92-97
15. Divya.T.L, Dr.Vijayalakshmi.M.N,“Envisagation and Analysis of Air Pollution Caused by Forest fire using Machine Learning Algorithm” International Research Journal of Engineering and Technology (IRJET) ,Volume 2, Issue 4, July 2015.
16. Andhe Dharani, ManjuPrasad.B, Shantharam Nayak, Vijayalakshmi.M.N, “ Performance Analysis of Cluster Based Protocols in Sensor Networks and their Vulnerabilities” International Journal of Innovative Research in Computer and Communication Engineering, Vol 3, Issue 4, April 2015, ISSN(Online) 2320-9801, ISSN(Print):, 2320-9798,pp 3045-3050
17. Dr S Anupama Kumar, Dr Vijayalakshmi MN, "Efficiency of Data Mining Techniques in Edifying Sector", International Journal of Advance Foundation and Research in Computer (IJAFRC), Volume 1, Issue 8, August2014. ISSN 2348 - 4853 pp 56-62 Directory of Science Score for IJAFRC - 13.33 , ISRA: Journal Impact Factor (JIF) - 0.853 , Scientific Journal Impact Factor 2012: 3.599
18. M. Senthil Vadivu, Dr.Vijayalakshmi.M.N, “ An Assessment of Hyper spectral Imaging and Target detection”, International Journal of Advanced Research in Computer and

Communication Engineering, Vol. 3, Issue 8, August 2014, pp 7726- 7730, ISSN (Online) : 2278-1021, ISSN (Print) : 2319-5940

19. Divya K C, Dr.Sumithradevi.K.A , Dr.Vijayalakshmi.M.N, " Implementing J48 algorithm on Audio Conference Call Details Records to predict high usage customers", International Journal of Electronics Circuits and Systems, Vol 3, Issue 2,June 2014, pp 197-200.
20. Dr. Vijayalakshmi M N, S.Anupama Kumar, Kavyashree BN, Investigating Interesting Rules Using Association Mining for Educational Data, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET),Volume 3, Issue 2, February 2014, pp 268-271
21. Divya. T. L , Dr.Vijayalakshmi.M.N, "Development of Frame Work for Prediction of Forest Fire and Fire Spread Direction Using Image Mining" International Journal of Advanced Research in Computer and communication Engineering,Vol. 2, Issue 12,December 2013,pp 4878-4882,ISSN (Print) : 2319-5940,ISSN (Online) : 2278-1021
22. Divya. T. L , Dr.Vijayalakshmi.M.N, "Implementation of data mining techniques for temperature extraction for forest fire occurrence with image analysis", International Journal of Innovative Research in Computer and Communication Engineering, Vol 1, Issue 10, ISSN (Online) 2320-9801, ISSN(Print) 2320-9798,December 2013. **Impact factor - 1.770**
23. Manjuprasad, Dr.AndheDharani, Dr.Vijayalakshmi.M.N, Vijay Singh,"Power Estimation in Wireless Sensor Networks by Clustering Mechanism", International Journal Of Scientific & Engineering Research, Volume 4, Issue 8,pp 2182-2222,Issn 2229-5518 , August 2013, **Impact factor -1.4**
24. S.Anupama Kumar, Dr.Vijayalakshmi MN, "Discerning Learner's Erudition Using Data Mining Techniques", International Journal on Integrating Technology in Education, Vol.2, No.1, March 2013, DOI : 10.5121/ijite.2013.2102 9, pp 9-16
25. Manjuprasad,Dr.AndheDharani,Dr.Vijayalakshmi.M.N,"Residual Energy Based Clustering Algorithm for Mobile Nodes in Sensor Networks", International Journal of Computer Networking, Wireless and Mobile Communications(IJCNWMC), Vol. 3, Issue 1, March 2013,pp 281-287, ISSN(Print):2250-1568; ISSN(Online): 2278-9448.**Impact Factor-0.421**
26. Dr.AndheDharani, Dr.Vijayalakshmi M.N, ManjuPrasad, Vijay Singh," An Epigrammatic Study of some of the Fundamental Concepts in Wireless Sensor Networks" International Journal of Emerging Technology and Advanced Engineering Volume 2, Issue 9, September 2012, pp 422 - 426 ,ISSN 2250-2459.**Impact Factor – 1.0**
27. S.Anupama Kumar , Dr. Vijayalakshmi MN, "A Naïve Based approach of Model Pruned trees on Learner's Response", International Journal of Modern Education and Computer Science, Issue 9, September 2012, pp 52-57
28. Kishan, J.S. Darrel D Almedia.K.,Dr.Vijayalakshmi.M.N,Dr.Sumithradevi.K.A An Efficient and Optimal Clustering Algorithm for Mobile Adhoc Networks", International Journal of Computer Science and Management Research,Vol 1, Issue 2, September 2012, pp100-102
29. Dr.Vijayalakshmi.M.N, Dr.Andhe Dharani,"Cluster Head Assortment Gateway Based Multipath Routing In WSN", International Journal of Communications in Information Science and Management Engineering (CISME), Vol.2 No.6, May 2012, Print ISSN:2222-1859 Online ISSN:2224-7785,2012, pp 15 -19,
30. S.Anupama Kumar , Dr.Vijayalakshmi.M.N,"Appraising the Significance of Self-Regulated Learning in Higher Education Using Neural Networks",International Journal of Engineering Research and Development, Vol 1, Issue 1,May 2012,ISSN:2278-067X,pp 09-15.
31. S.Anupama Kumar , Dr.Vijayalakshmi.M.N, "Envision of Student's Concert Using Supervised Learning Techniques", International Journal of Computer Engineering Science(IJCES), Vol 1, No. 2,December 2011 ,ISSN: 2250-3439,pp 1-7
32. Arachana. M, Dr.Vijayalakshmi.M.N, "Extracting Web Information for CLIR" International Journal of Modeling and Optimization, Vol 1, No.5, December 2011, pp 410-413.
33. Divya.T. L, Dr. Vijayalakshmi. M. N, "Wild conservation burnt area prediction by Data mining International Journal of Computer Applications, No. 1, Article 3, November 2011, Published by Foundation of Computer Science, New York, USA, pp. 9-15

34. S.Anupama Kumar , Dr.Vijayalakshmi.M.N, “Implication Of Classification Techniques In Predicting Student’s Recital”, International Journal of Data Mining & Knowledge Management Process (IJDMP) Vol.1, No.5, September 2011, ISSN : 2230 - 9608[Online] ; 2231 - 007X [Print], pp 41-51
35. S.Anupama Kumar , Dr.Vijayalakshmi.M.N, “Prediction of the Students Recital using Classification Technique” International Journal of Computing”, Vol 1, No.3, July 2011, ISSN 2231-2153 (Print), ISSN 2230-9039(Print), pp 305 – 309.
36. Dr.Vijayalakshmi.M.N, Dr.Sumithradevi.K.A, “Classification Algorithms in Achieving partitioning optimization for VLSI application” Proc,”International Journal of Computer Technology”, Vol 2, No.6, December 2010, ISSN 1793-8201, pp 916 – 918.
37. Vijayalakshmi.M.N,AndheDharani, Dr.Vasantha.R, Dr.P.S.Satyanarayan,“OCR for script Identification of Devanagiri Character Set Using Halftone Image with OPTICS”,Proc International Journal of Data Mining Knowledge and Engineering,Vol 1, No.5, ISSN 0974-9683,August 2009,pp 244-249.
38. Vijayalakshmi.M.N,Sumithradevi.K.A,Dr.Vasantha.R,Dr.AnnamaAbraham, “Optimizing Circuit Partitioning by Implementing Data Mining and VHDL tools pertinent to VLSI Design”International Journal on Intelligent Electronic Systems”,Vol 2,No.1, ISSN 0973-9238, July 2008, pp 11-15.
39. Vijayalakshmi.M.N,Sumithradevi.K.A,Dr.Vasantha.R,Dr.AnnamaAbraham,“Accomplishment of Circuit Partitioning Using VHDL and Clustering Pertaining to VLSI Design” Proc,”International Journal of Computer Networks and Security”, Vol 8 ,No. 8, ISSN 1738-7906 ,Aug 2008, pp 405-408.
40. Vijayalakshmi.M.N,Dr.Vasantha.R,“Clustering of Cyber Data Using BIRCH and CLARANS” International Journal of Intelligent Information Processing”Vol 2,No.2, ISSN 0973-3892, December 2008,pp 213-217.

National Journal

1. Vijayalakshmi.M.N, Dr.Vasantha.R ,“Evaluation of Fuzzy Artmap with DBSCAN in Recognizing Hindi Numerals”Journal of Computing and Communication technology, Vol 1, Issue1, Feb 2008, pp 49-55.

International Conferences

1. Dr.Vijayalakshmi.M.N , Narasimha Swamy.S "Smart Document Classifier and Analyzer Using NLP," 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, 2023, pp. 1-6, doi: 10.1109/CSITSS60515.2023.10334144.(**IEEE Explore**)
2. Dr.Vijayalakshmi.M.N and V. J. Gogi "Review of Machine Learning Methods for the Survey on HCC Scenario and Prediction Strategy," 2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184), Tirunelveli, India, 15th -17th June 2020, pp. 949-951, doi: 10.1109/ICOEI48184.2020.9142968.
3. Divya TL ,Dr.Vijayalakshmi MN ,Dr.Anupama Kumar S, “ Speculation of Forest fire using spatial and video data” , “First International Conference on Advanced Technologies in Intelligent Control ,Environment ,Computing & Communication Engineering”(ICATIECE-2019) ,held on 19th &20th, March 2019, Dayanand Sagar Academy of Technology & Management ,Bengaluru-82
4. Andhe Dharani, Vijayalakshmi.M.N, NarasimhaSwamy.S, “ Mobile as Sensor in Intelligent Transportation System for Street Route”, 2018 International Conference on Computing, Power and Communication Technologies (GUCON) Technically co-sponsored by IEEE UP Section, IEEE Indian Council Computer Chapter, IEEE PE/IA Chapter UP Section & CSI Noida Chapter, Organized by Galgotias university during September 28th - 29th, October

2018,pp 141-144. (Published in IEE with Digital Object Identifier : 10.1109/GUCON.2018.8674986

5. Santosh Akki,Dr.Vijayalakshmi.M.N, Design of Dashboard for University Examination Result Analysis System,”3rd IEEE International Conference on Computational Systems and information Technology for Sustainable Solutions, 20th -22nd December 2018,ISBN-978-1-5386-6078,pg 313-316
6. Dr.Vijayalakshmi.M.N, M Senthilvadivu,” Performance evaluation of object detection techniques for object detection”, 2016 International Conference on Inventive Computation Technologies (ICICT),Coimbatore, 26th August 2016,pp1-6.
7. Divya TL and Dr.Vijayalakshmi MN "Inference of Replanting in Forest Fire Affected Land Using Data Mining Technique" at "International Conference on Computational Intelligence in Data Mining ", Roland Institute of Technology, Berhampur,Odisha on 5-6,Dec,2015.
8. Sumithra Devi. KA, Andhe Dharani, and M. N. Vijayalakshmi. "Transformation in Engineering Education: An Analysis of Challenges and Learning Outcomes."Recent Advances in Education and Educational Technology", Proceedings of the 14th International Conference on Education and Educational Technology (EDU '15) April 23-25, 2015, ISSN: 2227-4618 ISBN: 978-1-61804-300-9, Kuala Lumpur, Malaysia, pp33-36, 2015.
9. Divya TL ,Dr.Vijayalakshmi MN "Analysis of Wild Fire Behaviour in Wild Conservation Area using Image Data mining", **IEEE** International Conference on Electrical Computer and Communication Technologies (IEEE-ICECCT) at SVS College of Engineering ,Coimbatore, Tamil Nadu,India,During 5th -7th March 2015, pp 909-912
10. Divya.T.L, Dr.Vijayalakshmi.M.N"An efficient and optimal clustering algorithm for real time forest fire prediction with Sensor network and data mining, **IEEE**"International conference on communication and signal processing, Adhiparashakthi Engineering college,Melmaruvathur, April 3rd -5th 2014, pp802-805.
11. Divya TL Dr. Vijayalakshmi.M.N, Dr.Sumithra Devi K A “Forest fire Danger Rate Prediction by Data mining”, First international conference on Future Computing (ICFC-2012)Bangalore, 22nd – 24th December 2012, ISBN 978-81-8487-271-2.
12. S.Anupama Kumar, Dr Vijayalakshmi MN, “A Novel Enhancement measure of Learner Records using Data mining Techniques”, International Conference on Future Computing(ICFC-2012), Bangalore, 22nd -24th December 2012, ISBN No 978-81-8487-271-2.
13. Kishan.J., Darrel D, Dr.Vijayalakshmi.M.N, Dr.Sumithrdevi.K.A,”An Efficient and Optimal Clustering Algorithm for Mobile Ad HoC Networks”,International Journal of Computer Science and Management Research, Vol 1, Issue 2 September 2012, ISSN 2278-733X,pp-100-102
14. S.Anupama Kumar, Dr.Vijayalakshmi.M.N,”Mining of Student Academic Evaluation Records in Higher Education”,International Conference on Recent Advances and Computing Software Systems,Chennai,25-27th April 2012,pp 66-70
15. S.Anupama Kumar,Dr.Vijayalakshmi.M.N”Inference of Naive Bayes Techniques on Student Assessment Data “ , ObCom 2011, Part II, CCIS 270, Springer-Verlag Berlin Heidelberg 2012 ,9th – 10th December 2011, pp. 186–191, 2012.
16. Dr.Vijayalakshmi.M.N,“Security and Benefits of Data on the Cloud”, International Conference on Computational Intelligence and Communication Networks(CICN-2011),Gwalior,7th -9th October 2011,ISSN 978-0-7695-4587-5,pp 01-05
17. Divya.T.L, Dr.Vijayalakshmi.M.N “Forest Fire Spread Direction Detection by data mining“, 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), ISBN: 978-0-7918-5981-0, Dalian, China, August 26-27, 2011, pp 377 - 380.
18. Arachana.M,Dr.Vijayalakshmi.M.N “Mining the Web Information for Cross Language Information Retrieval”, Proc,3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), ISBN: 978-0-7918-5981-0, Dalian, China, August 26-27, 2011, pp. 387 – 391

19. S.Anupama Kumar,Dr.Vijayalakshmi.M.N “Efficiency of Decision Trees in Predicting Student’s Academic Performance”, First International conference on Computer Science, Engineering and Applications (CCSEA 2011), Chennai, 15th -17th July 2011, ISSN 2231-5403, pp 335-341
20. Dr.Vijayalakshmi.M.N,Dr.AndheDharani "Power Optimization in Ad hoc Sensor Networks using Clustering Approach", Proceedings of The World Congress on Engineering 2011,The 2011 International Conference on Wireless Networks, London, UK, 6th–8th July 2011,ISBN 978-988-19251-4-5 ISSN 2078-0958 (Print), ISSN 2078-0966 (Online), pp1737-1740.
21. Dr.Vijayalakshmi.M.N,Dr.Sumithradevi.K.A “Analysis of Square and Circular diaphragms for a MEMS pressure sensor using a Data Mining tool”, IEEE International Conference on Communication Systems and Network Technologies, SMVDU Katra, Jammu, 3rd – 5th June 2011,pp 258 – 261.
22. S.Anupama Kumar,Dr.Vijayalakshmi.M.N “ A Novel Approach in Data Mining Techniques for Educational Data” ,Proc 2011 3rd IEEE International Conference on Machine Learning and Computing (ICMLC 2011) , Singapore, ISBN : 9781424492527 ,26th -28th Feb 2011,pp 152-154
23. Dr.Vijayalakshmi.M.N,Dr.Sumithradevi.K.A “Optimization of Circuit Partitioning in VLSI through Classification Algorithms”,**IEEE TENCON-2010**, Fukuoka,Japan,ISSN 978-1-4244-6888/1/10 ,21st -24th November 2010, pp 1554-1557.**(published in IEEE Explore with Digital Object Identifier : 10.1109/TENCON.2010.5686154)**
24. “Kadambini Kumari, VijayalakshmiM.N, “FireBot Application Wireless Portable Devices”National Conference on Recent Trends in Computer Networks”,
25. Dr.Vijayalakshmi.M.N, Dr.Sumithradevi.K.A “An Analysis on Ethical Issues Due to Globalization”, IEEE Women in engineering Congress 2009, 23rd – 24th October 2009.
26. Vijayalakshmi.M.N,Dr.Vasanthar.R, “Grouping of Metaknowledge for Problem Solving by Clustering Technique” Proc, International Conference on Computer and Network Technology, Chennai, ICCNT 2009,India,ISBN 978-981-4289672, 24th -26th July 2009 ,pp,253-256.
27. Vijayalakshmi.M.N,Dr.Vasanthar.R “Performance of EM and DBSCAN for Image Recovery System” International conference on Computer, Electrical and Systems Science and Engineering, NICE, France, ISSN 1307-6884, 12th -14th October 2007, pp 378-381.
28. Vijayalakshmi.M.N,Sumithradevi.K.A “A New Clustering Approach to VLSI Circuit Partitioning” International conference on Computer, Electrical and System Science and Engineering, ISSE 2007,Venice Italy, ISSN 1307-6884, 23rd – 25th November 2007 ,pp 524-527
29. Vijayalakshmi.M.N,Sumithradevi.K.A “Evaluation of Fuzzy ARTMAP with DBSCAN in VLSI Applications” International Conference in Computer, Electrical and system Science and Engineering ,Bangkok,Thailand, ISSN 2070-3740,22nd – 23rd December 2007,pp738-741
30. Vijayalakshmi.M.N,Dr.Vasanthar.R “Predictive Model For Software Failure Parameters Using Clustering Method And Genetic Algorithms”,International Conference On ‘Recent Trends In Information Systems’-IRIS’06,NationalEngineering College,K.R.Nagar,Kovilpatti,Tamilnadu,ISBN 81-7764-954-X,6th – 8th January 2006, pp.605-612
31. Vijayalakshmi.M.N, Dr.Vasanthar.R,”Identification of Handwritten Hindi (Devnagiri) numerals, using neural network with clustering method’. International Conference on current trends in InformationTechnology.S.R.K.R Engineering College, Bhimavaram, Andhra Pradesh, 1st – 3rd October 2005, pp 105-106

National Conferences

1. Siddharath.P.Shanbhogue,Purshottam Kurade,Dr.Vijayalakshmi.M.N,”Improved Classroom Model for Higher Education”,NAAC Sponsored National Seminar on Involvement of

- Students in quality Enhancement of Higher Educational Institutions”, 27th – 28th September 2012, Sambhram School of Management, Bangalore.
2. Divya.T.L, Dr. Vijayalakshmi.M.N “Wild conservation burnt area prediction by Datamining” Proc 2nd National conference on Information Technology, Nagpur, 23rd – 24th December 2011, pp 15.
 3. S.Anupama Kumar, Dr. Vijayalakshmi.M.N “Applications of Data Mining in Collaborative Learning” Proc National Research Conference on 3T, Teaching, Testing, Technology Trends in IT”, S.I.E.S(Nerul) College of Arts, Science and Commerce, Navi Mumbai, ISBN: 9788184653939, 12th February 2011, pp 97-99.
 4. Kadambini Kumari, Vijayalakshmi.M.N, "Firebot Applications on Wireless Portable Devices", National Conference on Recent Trends in Computer Networks, Knowledge utsav 2010, Jain College, Bangalore, 28th August 2010.
 5. Dr. Vijayalakshmi.M.N “E-Waste Assessment and Recycling”, National Symposium on "E-waste Management and Recycling", R.V.College of Engineering, Bangalore, 20th May 2010.
 6. Vijayalakshmi.M.N, Sumithradevi.K.A, Dr.R. Vasantha, Dr. Annamma Abhraham, “Performance of Data Mining tool for Circuit Partitioning in VLSI” National Conference on Intelligent Models for data processing and Management, RVCE, Bangalore, 2nd -3rd May 2008, pp 42-44.
 7. Vijayalakshmi.M.N, Dr.R. Vasantha, “Cyber crime – Breakdown using data mining algorithms” National Conference on Intelligent Models for data processing and Management, RVCE, Bangalore, 2nd -3rd May 2008, pp 38-41.
 8. Vijayalakshmi.M.N, Dr. Vasantha.R “Recognizing Handwritten Kannada Numerals Using Genetic and Mining Approach”, National Conference on Advanced Multimedia Processing and Application, RVCE, Bangalore, 27th -28th October 2005, pp 94-95.
 9. Vijayalakshmi.M.N, Dr. Vasantha.R, “Applying Classical Elite Genetic Approaches & EM Clustering For Identifying Software Reuse Failure Factors”, National Conference On Recent Trends In Information Technology, Sir M.V.I.T, Bangalore, 7th -8th August 2005.
 10. Vijayalakshmi.M.N “Comparison of Clustering Algorithms in data mining”, National Conference on Computational Mathematics in Engineering Applications, RVCE, Bangalore, 21st -22nd July 2005, pp 148-155.

Editorial board/Session Chair/ Reviewer/BoS Member

1. Reviewer for IASF 2025 Design Thinking Project Showcase to be held on 7 – 8 January 2025 at VNRVJIET, Hyderabad.
2. Scientific Committee Member and Reviewer for 08th International Conference on Future Education 2025.
3. BoS Member of Surana College South End College -**2023-24**
4. Technical Program Chair for 8th IEEE International Conference on CSITSS-2023 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 7th to 9th November, 2024
5. Session Chair for 8th IEEE International Conference on CSITSS-2024 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 7th to 9th November, 2024
6. Reviewer for 8th IEEE International Conference on CSITSS-2024 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 7th to 9th November, 2024
7. Editor Board Member for American Journal of Science, Engineering and Technology(AJSET) ISSN Print: 2578-8345; ISSN Online: 2578-8353

8. Session Chair for “Second International Conference on Adaptive Computational Intelligence (ICACI-2020)” organized by GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka, on 15th & 16th December 2020
9. Reviewer for 7th IEEE International Conference on CSITSS-2023 organized by RV College of Engineering, Bengaluru in association with Florida International University, Miami, USA and technically co-sponsored by IEEE Bangalore Section, conducted during 2nd to 4th November, 2023
10. Reviewer for AECE-2022 (International Conference sponsored by AICTE) organized by Department of ECE, R.K.G.I.T, Ghaziabad, U.P., India from July 14, 2022 – July 15, 2022
11. Reviewer for IEEE International Conference on Data Science and Information System (ICDSIS-2022), organized by the Malnad College of Engineering, Hassan, India in association with IEEE Bangalore Section and IEEE Mysore Subsection on 29th-30th July, 2022.
12. Reviewer for Third International Conference on Circuits, Controls and Communications (CCUBE-21)
13. Reviewer for IEEE International Conference on CSITSS-2021 organized by Department of CSE, ISE & MCA, RV College of Engineering, Bangalore
14. Reviewer for IEEE MYSURUCON 2021-The First Edition of the Flagship International Conference Series of IEEE Mysore Sub Section in association with IEEE Bangalore Section at NAVKIS College of Engineering, Hassan on 24th & 25th October 2021.
15. Reviewer for Second International Conference on Adaptive Computational Intelligence (ICACI-2020) organized by GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka, on 15th & 16th December 2020
16. Reviewer for “International Conference on Adaptive Computational Intelligence (ICACI-2019)” in association with Springer, Organized by GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka, 18th and 19th July 2019
17. Reviewer for 1st International Conference on Recent Trends in Technology, Engineering and Applied Science (ICRTTEAS-2019)”. Organized by Dr. T. Thimmaiah Institute of Technology, KGF, Karnataka on 12th and 13th April 2019.
18. Reviewer for 2nd International Conference on Research in Business Management and Information Technology, April 25th and 26th 2019, organized by RNSIT, Bengaluru
19. Reviewer for Book Chapter Knowledge Computing and Applications published by Springer
20. Advisory Committee Member for National Level PG- Project Symposium on Electronics, Communication and Computer Science.
21. Advisory Committee Member for National Conference on Image Processing, Computing, Communication, Networking and Data Analytics - 2017
22. Reviewer Committee for National Level Project Symposium on 23rd April 2016
23. Paper reviewer for Advance Foundation and Research in Computer (IJAFRC)
24. Paper Reviewer for IEEE- International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2016) , 9th -10th December 2016
25. Paper Reviewer for IEEE, International Conference on Computational Systems & Information Technology for sustainable Solution, 6th – 8th October 2016
26. Session Chair for National Conference on Emerging Trends in Science and Technology held on 12th May 2015 .
27. Paper Review for IEEE International Conference on Emerging trends in Communication, Control, Signal Processing and Computing Applications
28. Paper Reviewer of IEEE International Conference on Machine Learning and Computing (ICMLC)
29. Paper Reviewer and Program Committee member of IEEE International Conference on Computational Intelligence and Communication Networks (ICCIC)
30. Paper Reviewer of International Journal of Computer Science and Information Security

31. Paper Reviewer of 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011)
32. Paper Reviewer for International Conference organized by IACSIT
33. Paper reviewer for IEEE International Advance Computing Conference (IACC-2015), B.M.S. College of Engineering, Bangalore, India
34. Paper reviewer for Second International Conference on Electrical and Electronics Engineering, Clean Energy and Green Computing (EEECEGC2015), 26th -28th May 2015, Antalya, Turkey, Mevlana Universities
35. Paper Reviewer for IEEE (Bangalore Section) International Conference on Computational Systems and Information Technology for Sustainable Solutions - CSITSS 2016, 6th – 8th October 2016, RVCE, Bengaluru-59

Awards Received

1. Honored by Rastriya Sikshana Samithi Trust on 26th January 2017 for the Explementary Contribution.
2. ***“Best Indian Citizen Gold Medal Award”*** by Global Economic Progress Research Association on 26th January 2016 for Individual Achievement and National Development
3. ***“Outstanding Scientist Award”*** by Venus International Foundation on 19th December 2015
4. Honored by Rastriya Sikshana Samithi Trust on 26th January 2012 for the achieving excellence in Higher Education.
5. Honored by ISTE, R.V.C.E Chapter on 10th September 2011 for the award of PhD in Computer Science.
6. Honored by Rastriya Sikshana Samithi Trust on 26th January 2010, “Excellence in
7. Education” for presenting publications at International Conference
8. Received certificate of appreciation from ISTE, RVCE chapter for presenting papers in National conferences during the year 2004-2005.
9. Received certificate of appreciation from ISTE, RVCE chapter for presenting papers in National/International Conferences/Journals during the year 2007-2008

AICTE/ISTE Training /Workshop Attended

1. Attended two week ISTE sponsored workshop on “Exploring Business Intelligence” at B.M.S College of Engineering, Bangalore from 11/08/2007 to 24/08/2007.
2. Attended two week AICTE sponsored workshop on “Advanced Mathematics and Computer Science” at Mar Athanasios College for advanced Studies, Tiruvlla from 12/03/2007 to 26/03/2007.
3. Attended one week AICTE sponsored short term training programme on “Human Resource Development” at R.V.College of Engineering, Bangalore from 25/06/2007 to 29/06/2007.
4. Attended one week ISTE sponsored short term training programme on “Advanced Unix System Programming “at Dr.Ambedkar Institute of Technology, Bangalore from 30/01/2005 to 03/02/2006.
5. Attended a three day ISTE workshop on “Embedded Systems” at R.V.College of Engineering from 25/08/2003 to 27/08/2003.
6. Attended a three day ISTE Faculty Development Programme on “Teaching Methodologies” at R.V.College of Engineering from 01/03/2005 to 03/03/2005.

Invited Talks Delivered

1. Resource Person for workshop on “Data Visualization with Tableau and Power BI” on 13th -15th November 2024, organized by Department of ISE, S J C Institute of Technology, Chickballapur.
2. Resource person for Three days Hands on Workshop on “Machine Learning using Python” organized by Department of Computer Applications , SSMRV College, on 1st – 3rd April 2024
3. Resource person for State Level Workshop on “Impact of Artificial Intelligence in Current Trends” ,organized by Department of Studies and Research in Computer Applications , Tumkur University, on 31st August 2023
4. Resource person for conducting a session on Machine Learning Operations as part of one week workshop on Data Science on 12th August 2023 ,organized by Department of MCA,RV College of Engineering
5. Resource person for “Hands on Workshop on Linux Programming and MySQL” ,organized by Department of Electronics and Communication Engineering , Jain University, on 3rd and 4th November 2023.
6. Resource person for two session, in One Week Online FDP on AICTE-ISTE Induction / Refresher Programs Big Data Analytics in the Upliftment of Rural India , organized by Department of Computer Science , Sri Jayachamarajendra College Of Engineering, Mysuru, from 7th February 2022 to 13th February 2022
7. Invited talk on “Big Data scope for Mechanical Engineering” on Friday 19th November 2021
8. Resource Person for 3day National Level Workshop on “Overview of Machine Learning and Artificial Intelligence” Organized by Department of Computer Science Engineering Dr.T.Thimmaiah Institute of Technology from 11th to 13th November 2020
9. Resource Person for TEQIP-3 sponsored Three-day Webinar on “Big Data and its Emerging Trends” ,15th – 17th October 2020 organized by Department of Computer Science and Engineering, JSS Science and Technological University, Mysore
10. Delivered on big data analysis for first year post graduate students of Mechanical Engineering on 23rd December 2019
11. Delivered workshop on R for Analytics was conducted for 5th Semester MCA students on 5th September 2019
12. Delivered an invited talk on Big Data Analytics for students and staff of Department of Information Science and Technology, Maharaja Institute of Technology-Mysore, on 20th February 2019
13. Conducted two day workshop on “Intelligent Analytics” on 13th and 14th September 2019 at National College, Bengaluru
14. Training Program on Intelligent Analytics under Cisco-RVCE CoE-IoT was conducted at Gogte Institute of Technology, Belagavi for CSE and EC students from 1st July 2019 to 3rd July 2019.
15. Resource person for TEQIP-3 sponsored Faculty Development Program on "Applications of Data Science and Internet of Things" on 11th and 12th January 2019 organized by Department of Information Science and Engineering, P E S College of Engineering(PESCE), Mandya.
16. Session speaker for Three Day National Level Workshop on "Current Trend in Machine Learning (CTML-N18) organized by Department of Computer Science and Engineering, Dr.T.Thimmaiah Institute of Technology, KGF from 14th November to 16th November 2018
17. Resource person for the four days VGST Faculty Development Programme on "Data analytics, Next Generation Programming Languages and Simulations" from 27th - 31st July 2018, organized by Department of Information Science and Engineering, Sapthagiri College of Engineering, Bangalore
18. Delivered a talk on “Data Mining” at SGS-Jain University on 13th January 2016
19. Delivered an talk on “Survey and Format for Technical Paper writing” at G.S.S.Institute for Engineering and Technology for Women, Mysuru on 17th October 2015

20. Given an invited talk on “**Problem Solving Techniques**” at *Satellite Based Training Programme* for P U Board at D.S.E.R.T, Bangalore on 22nd September 2011

Contribution to Institutional Activities

- i. **Member of Center of Excellence – AI Research and Business Solutions**
 - Guiding the Internship projects on various domains of AI and Machine Learning
 - Handled session for Internship Students – Completed 4 batches
- ii. **Member of Center of Excellence - Cisco – RVCE Internet of Things**
 - **Group Head – Intelligent Analytics** and conducted 6 days training program on Intelligent Analytics during 10th, 11th, 17th, 18th, 24th and 25th February 2018 as a part of Cisco-RVCE Center of Excellence in Internet of Things
 - 6 days training program on Intelligent Analytics during 14th June 2017 – 4th July 2017 as a part of Cisco-RVCE Center of Excellence in Internet of Things Group Head and conducted 6 days training program on Intelligent Analytics during 8th, 9th, 10th, 15th, 16th and 17th February 2019 as a part of Cisco-RVCE Center of Excellence in Internet of Things
 - Conducted two day workshop on “Intelligent Analytics” on 13th and 14th September 2019 at National College, Bengaluru
 - Training Program on Intelligent Analytics under Cisco-RVCE CoE-IoT was conducted at Gogte Institute of Technology, Belagavi for CSE and EC students from 1st July 2019 to 3rd July 2019.
- iii. **Member of**
 - Internal Quality Assurance Cell
 - Academic Monitoring Committee – Current, 2022-23
 - Compliance committee for NBA, NAAC, LIC and other compliance activities
 - Shruti 2017, a State Level Engineering Students Project Exhibition Organized by ABVP on 26th – 28th May 2017
- iv. **Conference/Workshops/Training/Seminars Co-Ordinated**
 - Technical Program Chair CSITSS-2024
 - Technical Committee Member for CSITSS -2023
 - Technical Committee Member for CSITSS -2021
 - Technical Committee Member for CSITSS -2019, hosted by Department of CSE, ISE and MCA
 - Technical Committee Chair for CSITSS 2018, hosted by Department of MCA, CSE and ISE
 - Technical Committee Member for CSITSS – 2017, hosted by Department of CSE, ISE and MCA
 - Technical Committee Member for CSITSS – 2016, hosted by Department of CSE, ISE and MCA
 - Technical Committee Member for AICTE Sponsored National Conference on Critical Thinking for Gen Z-Multidisciplinary Approach (CTGZMA-2021), 28-29 October 2021
 - Coordinator for “National Conference on Technological Advances in Computing” organized by Department of ISE, MCA and CSE and co-editor for the Proceedings. July 2014

Contribution to Departmental Activities

- i. **Administrative Activities – AIML**

- Coordinating and helping HoD in department activities
- Member of BoS , BoE, Disciplinary Committee
- Skill Lab coordinator
- Placement Coordinator
- Syllabus Coordinator
- Coordinator for Design Thinking Lab
- Academic Monitory Committee
- Incharge for documenting and verifying files for various compliceance agencies/audits
- Initiated and Received an Mutual NDA between RVCE and Epsilon India Data and Digital Technologies solution Ltd for a period of five years from 2024-2029, the executing departments being AIML and MCA
- Subject handled – Programming in C, Python Programming, Discrete Mathematics, AIML, DBMS, Big Data Technologies

ii. **Administrative Activities – MCA**

- Member of BoS, BoE, Disciplinary Committee
- Syllabus Coordinator – Syllabus framed for different courses under Autonomous
- NBA Coordinator (Second level) during the year 2015-2017, Department accredited for a period of 2 years
- Coordinated in setting up of DE Lab
- Worked as timetable Officer from 2006-2007.
- Worked as Alumni Coordinator – Got Gold Medal
- Worked as coordinator for RVCE ISTE Students Chapter.
- Worked as mentor for 2nd year students for 4 times.
- Worked as mentor for 1st year students for 4 times.
- Project Coordinator of VI semester Major Project during different years for the Autonomous and VTU scheme
- Guided 80 Final year projects
- Guided 10 Mini projects
- NBA Coordinator during 2009- 2012 – department accredited for 3 years
- Placement coordinator in the Department since 2007 – 2010, 2020
- Coordinator for the Events in 8th Mile 2009
- IBM CoE coordinator during 2010-2012
 - a. Organized IBM DB2 certification training programme in the department from 28th -30th July 2010 , 3rd – 5th February 2011, 3rd, 4th and 10th March 2012
 - b. RAD workshop for the students and faculties on 21st -24th December 2010, 21st -24th April 2012
- Organized seminars for TGMC projects
- Subjects handled - Digital Electronics, Computer Graphics, Analysis and Design of Algorithms, Computer Organization, Discrete Mathematics, Data Mining, Operating System, Operations Research, Data Structures are handled, Soft Computing, Big Data
- Lab in charge for Data Structures Using C , IT/DE lab, ADA Lab
- Prepared Lab manuals for Data Structures Using C , IT/DE lab and ADA Lab

Conference/Workshops/Training/Seminars Organized

- Conducted and Co-ordinated One day symposium on 1st semester MCA Students Extramural Projects (SYM1SEP-2013) organized under Research Forum on 13th and 27th April 2013.
- Conducted and Co-ordinated One day symposium on 3rd semester MCA Students Extramural Projects (SYM3SEP-2013) organized under Research Forum on 30th March 2013.

- Conducted and Coordinated for One day symposium on 5th semester MCA Students Academic Projects (SYM5SAP-2013) organized under Research Forum on 9th February 2013.
- Organized One day Conference on Students Academic MCA Projects-2010 on 19th June 2010.
- Coordinator for one day national conference on “Network Security and Information retrieval” jointly organized by the Department of Master of computer applications, R.V.College of Engineering, Bangalore and Department of Computer Science, Avinashilingam University for Women Coimbatore, on 14th December 2009
- Coordinator for the two day National conference on Intelligent Modules for Data Processing and Management (NCIMDM 2008), jointly organized by the Department of Master of computer applications, R.V.College of Engineering, Bangalore and Department of Computer Science, Avinashilingam University for Women Coimbatore, May 2008.
- Coordinator for Two day “National Conference on Information Systems and Computer Engineering –NICE “on 5th and 6th of October 2007.
- Coordinated for two day “National Conference on Advanced Multimedia Processing and its Applications” organized by Department of MCA, RVCE, Bangalore on 27th -28th October 2005.
- Coordinated for two day “National Conference on Computational Mathematics in Engineering Applications”, organized by Department of MCA,RVCE,Bangalore on 21st -22nd July 2005,.
- Coordinated A talk on “Entrepreneurship - Why and How” by Mr.Yeshaswi Nag. N , Indian Start Ups , was conducted on 6th February 2019 for IV semester MCA students
- Event coordinator for the Event Fusion of Talents at 8th Mile a Techno Cultural Fest of RVCE from 24th - 25th March 2018
- Coordinated an invited talk on " Classroom to Market: an alternate approach for product development" by Mr.Ganesh Shankar, Managing Director, FluxGen Engineering Technologies, Bangalore IV Sem MCA students on 22nd April 2017
- Event coordinator for the event Rangoli at 8th Mile a Techno Cultural Fest of R.V.C.E , from 24th – 26th March 2017
- Event coordinator for the event Mehendi at 8th Mile a Techno Cultural Fest of R.V.C.E from 24th – 26th March 2017
- Event coordinator for the event Innowiz at 8th Mile a Techno Cultural Fest of R.V.C.E from 24th - 26th March 2017
- Member of the Organizing Committee and Participated in Six days Faculty Development Programme on Data Analytics for IoT Applications organized by Department of ISE,MCA and CSE, under TEQIP 1.2 from 30th January 2017 – 4th February 2017
- Member of the Organizing Committee of “Ideathon Workshop” on 31st March 2017, under TEQIP 1.2
- Coordinator for a technical event Xpert conducted on 19th – 21st February 2016 at Department of MCA, R.V.College of Engineering
- Co-ordinated a Technical talk on "Industry Perspective on System Software-An Overview" was delivered by Mr.Gaurav Sethi, Associate Software Engineer, Accenture Services, Bengaluru, for II Semester MCA Students on 2nd May 2016 at MCA Seminar Hall.
- Organized an invited talk on “Entrepreneurship:CVP(Compulsion, Volition, Presumption) Framework” by Ms. Asha.K, Co-founder of Forte Catalyst Talent Management Services and Alumni, RVCE, Bangalore, on 15th April 2015 for 4th Semester MCA Students
- Coordinated for a workshop on Emerging Opportunities in the Era of ICT for Employability, Entrepreneurship and Higher Education on 14th March 2015
- Coordinated an invited talk on "The Journey of an Entrepreneur" conducted on 13th September 2014 by Mr.Adnan Ahmed Shamir,Alumni, Dept. of MCA& CEO& Founder, Imagination Maters, Bangalore for 5th semester MCA students.

- Coordinated an invited talk on "Listening Skills and Attitude " conducted on 10th September 2014 by Dr. Satynarayana Babu, Alumni,CSE Dept.,R.V.College of Engineering and Professor, Dept of MBA, M.S.Engineering College, Bangalore for 1st semester MCA students.
- Coordinated a talk on "The charm and Perils of becoming an Entrepreneur" was conducted on 29th March 2014 by Mr. Faizan Aziz, CEO, MetaRain Technologies, Bangalore for 4th semester MCA students.
- Event coordinator for the event Just A Minute at 8th Mile a Techno Cultural Fest of R.V.C.E , from 19th – 23rd March 2014.
- Coordinated and attended “Faculty Development Program on Entrepreneurship” sponsored by DST, from 23th December 2013 to 4th January 2014 at R.V.College of Engineering, Bangalore.
- Member of the organizing committee for Five day Workshop on “Big Data Analytics and Business Intelligence” under TEQIP-II Initiative Sub component 1.2 organized by departments of ISE,MCA and CSE, R.V.College of Engineering, Bangalore
- Co-ordinated and conducted an Invited talk on “ Unix and its variants” by Mr. Varuna.E, CEO ,Eudaemonic Systems , Mysore, on 21st November 2013 at MCA Seminar Hall.
- Coordinated and conducted an invited talk on “Entrepreneur development skills “ by Mr. Mr.Hemant Chandani CEO, Outfit Technologies Alumni,Dept of MCA, RVCE, Bangalore, is arranged on 31st August 2013 at MCA Seminar Hall
- Session Chair and Evaluator of the Papers at "One day symposium on II semester Projects” at Department of MCA, R.V.College of Engineering on 24th August 2013
- Coordinated one day seminar on Job Preparedness 1 - 1 by Mr. Kiran.B, CEO and founder, Key Jobskills Pvt Ltd for 4th semester MCA students on 13th February 2013

Conference/Workshops/Training/Seminars attended

- Attended five-Day Online Faculty Development Program on Smart Intelligence: Cutting-Edge Trends and Practical Applications of AI from 15th to 19th October 2024 organized by Karunya University.
- Attended International Online Faculty Development Program on ‘Data Visualization and Analytics’ with Excel, Power BI, Tableau and Generative AI organized by the PG Department of Computer Applications and IQAC of Marian College Kuttikkanam (Autonomous) in association with IPSR solutions limited and Valin - UK, USA and Canada from 05 July 2024 to 11 July 2024 and certified with A Grade
- Attended Seminar on “The Future of Operations Management” held at RV College of Engineering , Bengaluru on 25th June 2024.
- Participated a short term course on Artificial Intelligence and Machine Learning and Deep Learning , organized by Computer Science and Engineering NIT Warangal in association with CCE , NIT Warangal from to 26th - 30th September 2022
- Participated and completed One week Faculty Development Program On "Amazon Web Services" During the period of 22nd August 2022 to 27th August 2022 Organized by Dept. of CS&E, Proudhavevaraya Institute of Technology,Hosapete in collaboration with Brainovision Solutions India Pvt.Ltd & All India Council For Technical Education - **AICTE**
- Participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 17 May 2021 to 21 May, 2021.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2021-2-8 to 2021-2-12 at I.T.S Engineering College, Greater Noida.
- Coordinated Event “Exceptions-2k20” as a part of 8th Mile on 28th February 2020
- Participated at 107th Indian Science Congress held at the University of Agricultural Sciences, Bangalore from 3rd to 7th January 2020.

- Obtained a certificate of Competence for completion of Fundamentals of Deep Learning for Computer Vision – 2019 by NVidia Deep Learning Institute
- Attended faculty development program on AI and ML organized by SAP India, Bangalore on 12th July 2019
- Attended the workshop on "New Model Curriculum for PG Course(MTech/MBA/MCA) CBCS Detailed Syllabus(2018-19) as per Outcome-Based Education(OBE) format including Course Outcomes(CO) and Bloom's Taxonomy" under TEQIP-1.3 for the course MCA under MCA Board held on 6th August 2018 at BNMIT, Bangalore organized by Visvesvaraya Technological University, Belagavi.
- Attended six days workshops on Machine Learning from 9th – 14th June 2018 organized by Department of Computer Science and Engineering, S.J.B.Institute of Technology, Bangalore
- Attended one day seminar on “Big Data Analytics and Deep Learning in Matlab” on 22nd November 2017 at Hotel Park Plaza
- Member of Industry Institute Interaction Cell for the year 2014 – 2019
- Member of EDC for the year 2014 – 2019
- Member of Cultural Activity Team for the year 2014 -2019
- Attended an invited talk on “Video IoT Applications” by on 27th October 2017 at MCA Seminar Hall, R.V.College of Engineering.
- Attended IoT Congress on 14th and 15th September 2017 at Park Plaza, Bangalore
- Attended one day workshop on " Sensor Analytics and Advanced Programming Techniques using MATLAB" on 8th February 2017 conducted by Math Works, Bengaluru
- Attended "IoTNext, Global IoT Summit on Realities and Road Ahead" on 9th and 10th November 2016 at Hotel Sheraton, Bengaluru.
- Attended Nine day workshop on ‘Advanced Pedagogy Training’ from 28th December 2015 – 5th January 2016 ,organized by R.V.College of Engineering Bangalore under TEQIP –II initiative
- Member of Food and Hospitality Committee for Golden Jubilee Celebration of R.V.College of Engineering, Bangalore on 6th January 2015.
- Attended an invited talk on ' Emerging trends in IT - Technologies , Services and Education " jointly organized by RVCE and Board for IT Education Standard(BITES) on 11th September 2014 at Civil Seminar Hall.R.V.College of Engineering, Bangalore.
- Participated in discussion regarding consultancy Project with **Mrs.Sujatha Visweswaran**, vice president, Health care Wipro on 17th October 2014.
- Attended " Five Day Faculty Development Program on “Emerging Paradigm in Project Management” Organized by Department of Industrial Engineering Management, RVCE and Project Management Institute, Bangalore, under TEQIP II from 4th-8th August 2014.
- Program Committee member for First International Conference on Cybernetics & Informatics (CYBI – 2014) , Sept 13-14, 2014, Bangalore India
- Attended " Six Day Workshop on Trends in Underwater Acoustic Communication and SONARS" Jointly Organized by Departments of Electronics & Communication Engg., Telecommunication Engineering Instrumentation Technology and Electrical & Electronics Engineering, R.V. College of Engineering, Bangalore. Under TEQIP 1.2.1-COE, “MACROELECTRONICS” from 14th-19th July 2014.
- Paper setter for Sri Siddhartha Institute of Technology, Deemed University
- Attended One day workshop on “Paths and Processes to Achieve Excellence in Technical Education” under TEQIP-II Initiative Sub component 1.2 organized by R.V.College of Engineering, on 14th August 2013.
- Attended Five day workshop on “Real Time Embedded System Design” under TEQIP-II Initiative Sub component 1.2 organized by departments of ECE,TCE and EEE held at RVCE, during 5th - 9th August 2013
- Attended one day Dissemination Workshop on" Navigation guidance & Control" (NRB) at R.V.College of Engineering on 19th July 2013.

- Attended and Session Chair at One day Conference on Students Academic MCA Projects-2013 at Department of MCA, R.V.College of Engineering on 13th July 2013
- Member of inauguration and Valedictory function for Exceptions 2013, a national level technical fest conducted by Dept of MCA, R.V.College of Engineering, Bangalore on 15th and 16th March 2013.
- Attended and co-ordinated for the events Dumb Charders at Exceptions 2013, a national level technical fest conducted by Dept of MCA, R.V.College of Engineering, Bangalore on 15th and 16th March 2013.
- Attended Annual National Productivity Conference on Improved skills = Improved Productivity and Improved Profit in association with Institute of productivity UK, National Open College Network, UK and Karnataka Private Post Graduate College Association on 19th March 2013 at Seshadripuram College, Seshadripuram, Bangalore
- Attended a seminar on "NBA- Outcome Based Education" at Department of MCA on 23rd January 2013.
- Attended a talk on "Remote Education "organized by Nasscom at Leela Palace, Bangalore on 8th August 2012.
- Attended IBM TGMC Felicitation Programme-2011 at Leela Palace, Bangalore on 25th July 2012.
- Attended one day workshop on NBA Accreditation-MCA Program at P.E.S.I.T, Bangalore on 21st July 2012.
- Attended Board of Studies meeting on MCA Syllabus at P.E.S.I.T, Bangalore on 20th July 2012.
- Attended one day workshop on Out Come Based NBA Accreditation at R.V.College of Engineering, Bangalore on 9th July 2012
- Attended a Seminar on Intellectual Patents Rights at Dept of MCA,R.V.College of Engineering, Bangalore on 29th March 2012
- Attended a Seminar on Communications Skills and Integrity at Dept of MCA on 22nd
- Attended a Seminar on Growth of Women in Industry at Dept. of MCA, on 8th March 2012
- Attended and co-ordinated for the events Best Manager at Exceptions 2012, a national level technical fest conducted by Dept of MCA, R.V.College of Engineering, Bangalore on 16th and 17th March 2012.
- Attended a seminar on "Future of Talent in India – Challenges and Trends" at SAP Labs Campus, Whitefield, Bangalore, on 6th January 2012
- Attended a Short term course on "Effective e-teaching and Learning" supported by **Department of Information Technology, Government of India** at the International Institute of Information Technology, Bangalore from 18th April – 29th July 2011.
- Attended Board of Studies meeting on MCA Syllabus at P.E.S.I.T, Bangalore on 30th June 2011.
- Attended and co-ordinated for the events dumb chardes, Paper presentation, Technical Debate at Exceptions 2011, a national level technical fest conducted by Dept of MCA, R.V.College of Engineering, Bangalore on 25th and 26th March 2011.
- Attended conference on "Relevance of Sustainable Technology for the Growth of Women" conducted by Dept of MCA, R.V.College of Engineering, on 21st March 2011.
- Attended a seminar on Research Proposal and How to write a Good Research Proposal on 8th March 2011.
- Attended one day workshop on Machine Learning and Data Mining at IBM Care-2010 Manyatha Tech Park, Bangalore on 22nd October 2010.
- Attended Microsoft Tech Talk, hosted by Microsoft at Taj Residency on 28th April 2010.
- Attended and coordinated the Kannada Event at 8th Mile, an Intercollegiate Tech Fest conducted by R.V.College of Engineering,Bangalore on 16th -17th April 2010
- Attended one day workshop on MCA Syllabus Revision 2010-11 at M.S.R.I.T Bangalore, on 12th April 2010.

- Attended a panel discussion on Smarter Planet for Smarter Students Hosted by IBM at Leela Palace on 1st April 2010.
- Attended and coordinated for the event ICE BREAKER at Exceptions 2010, technical fest conducted by Dept of MCA, R.V.College of Engineering, Bangalore, on 13th -14th March 2010.
- Attended one day National Conference on “Network security and information retrieval” at R.V.College of Engineering, Bangalore on 14th December 2009.
- Attended two days workshop on LATEX at R.V.College of Engineering on 25th - 26th April 2008.
- Participated in two day National Conference on Information Systems and Computer Engineering NICE 2007 at R.V.College of Engineering during 5th -6th October 2007.
- Attended one day seminar on “E-education” at R.V.College of Engineering on 3rd June 2006.
- Attended two day national conference on ‘Graph Theory’ organized by Alliance Business Academy, Bangalore on 16th – 17th April 2005.
- Participated in three day faculty training Programme on ‘Software Testing and Practices’ at R.V.College of Engineering, Bangalore. Sponsored by Honeywell from 21st – 23rd, February 2005.
- Participated in three day VTU Faculty development workshop on ‘Recent advances in Mobile Computing & Communication’ at R.V.College of Engineering, Bangalore from 7th – 9th February 2005.
- Participated in two day workshop on Picopeta Simputers organized by East-West Institute of Technology in association with Karnataka State Council of Science and Technology and Picopeta Simputers Pvt. Ltd on 30th – 31st January 2004.
- Participated in two day course on ‘IBM-Rational rose’ conducted by Cranes Software in association with IBM, at R.V.College of Engineering, Bangalore on 5th – 6th August 2004.
- Attended and coordinated EXCEPTIONS-04, technical fest conducted by Dept of MCA, RVCE, on 5th -6th May 2004.
- Participated in two day workshop on ‘Simulation Modeling and Analysis at R.V.College of Engineering, Bangalore on 5th -6th April 2002.

Professional Membership Details

- Life member of Indian Society for Technical Education LM 33409
- Life member of Computer Society of India LM-00113305
- Senior Life Member of International Association of Computer Science and Information Technology (IACSIT). No. 80332289
- Life Member of International Associations of Engineers (IAENG) -107071
- Member of Information Technology Management Community- 128635
- Member of Soft Computing Community - 128635
- Member of Computer Science and Information Technology Community – 128635
- Life Member of Indian Science Congress Association – L39144