

ACADEMIC PROFILE

1. Name : **Dr. H.S. MOHANA**
2. Date of Birth : **18-03-1965**
3. Highest Qualifications : **M.E., Ph.D**



4. Academic Performance :

Qualifications	Board / IIT / University	Institution and place	Year of passing	Class / % marks
SSLC	KSE Board	Govt Junior College, Mudigere	1980	First / 70.5
PUC	PU Board	Maharaja Jr. College, Mysore	1982	First / 62.83
B. E	Mysore University	Adichunchanagiri Institute of Technology, Chikmagalur	1986	FCD / 70
M. E	Indian Institute of Technology Roorkee	Indian Institute of Technology, Roorkee	1991	First Class/ 78.05 (Gold Medalist)
Ph. D.	VTU Belgaum	Jawaharlal Nehru National College of Engineering (JNNCE), Shimoga	2010-2011	

5. Date of Joining : 30-04-1993 as Lecturer
6. Present Status : **Former Principal and Senior Professor**
7. Number of promotions since 3
date of joining :

Post	From	To	Institution
Lecturer	December 1987	April 1993	Adichunchanagiri Institute of Technology, Chikamagalur
Associate Prof., direct	April 1993	February 2006	Malnad College of Engineering, Hassan
Professor, direct	February 2006	April 2024	Malnad College of Engineering, Hassan Navkis College of Engineering, Hassan

Other posts after joining	<ul style="list-style-type: none"> • Dean (Exams)/Controller of Examination for Autonomous Programmes from 15.09.2011 to 05.10.2013 Malnad College of Engineering, Hassan.
	<ul style="list-style-type: none"> • Dean(Academic Affairs) for Autonomous Programmes from 05.10.2013 to 20.8.2016 Malnad College of Engineering, Hassan.
	<ul style="list-style-type: none"> • Dean(Humanities) from 15.06.2017 to 29.01.2020 Malnad College of Engineering, Hassan.
	<ul style="list-style-type: none"> • Vice Principal from 30.01.2020 to 04.03.2021 Navkis College of Engineering, Hassan.
	<ul style="list-style-type: none"> • Principal from 05.03.2021 to 12.04.2024 Navkis College of Engineering, Hassan.

8. Achievements as Principal:

- Successfully got NBA-accreditation for Department of Computer Science Engineering for the Academic Year 2023-2024.
- Successfully submitted SAR (Self-Assessment Report) of the Department of Electronics and Communication Engineering for NBA accreditation for the Academic Year 2024-2025.
- Successfully prepared Self Study Report (SSR) which is to be submitted for NAAC Accreditation of the College.
- Introduced Post-graduation Course- Master of Computer Applications (MCA) for the Academic year 2023-2024.
- Introduced new Undergraduate Courses- Artificial Intelligence and Data Science (AI&DS) for the academic year 2021-2022 and Artificial Intelligence and Machine Learning (AI&ML) for the Academic year 2022-2023 to be in tune with industry requirements and to enhance the employability quotient of students.
- Contributed to the overall development of the College through the institutional self-improvement, promoting Research and Innovation and motivating all faculty and students towards better growth of the Institution.

9. Achievements since date of joining:

FD	R&D and TAPTEC	No. of Publications	Conference Seminars/ Int. Journals	Extra curricular activities	Administration
02	01+01	63	<ul style="list-style-type: none">• National Conferences: 17• International Conferences: 19• International Journals: 27	Yes	<ul style="list-style-type: none">• HoD• Dean• Vice-Principal• Principal

FD-Faculty Development, R&D-Research and Development.

Faculty Development

1. Co-coordinator in AICTE-ISTE short term training program on “**Instrumentation, Control & Guidance**”, held during 04-16 March 1996 for Engineering college faculty.
2. Coordinator in AICTE-ISTE short term training program on “**Measurement and Instrumentation**”, held during the year 1999 for Polytechnic faculty.
3. Coordinated One-Week Training Program on “Embedded System Design”.
4. Coordinated Two days State level Workshop on “**Digital Image Processing and Computer Vision**” on 4th and 5th May 2007.

Research & Development

1. Digital Image Processing (AICTE R&D 2001)- Rupees Three Lakhs.
2. TAPTECH- AICTE (1997-2000) grants to Establish Sensors and transducers Laboratory- Rupees Six Lakhs.

Publications and Conferences:

Sl. No.	Authors, Title, Journal, Vol. No., Page Nos. & Year
1.	H S Mohana, Dr. K A Krishnamurthy , “A Novel Sensor for Microprocessor based Drip Irrigation System”, IETE National conference on sensors and transducers held at CSIO, Chandigar during 20-21-September 1996. (NC1)
2	H S Mohana, Dr. K A Krishnamurthy & Dr. M S Raviprakash , ‘Society and Higher Education’, 32 nd Annual Convention and National Seminar of ISTE 27 th -29 th December 2002, NMAMIT, Nitte Karnataka. (NC2)
3.	H S Mohana, Dr. K A Krishnamurthy & Dr. M S Raviprakash , ‘Impact of Globalization on Quality of Technical Education’, 32 nd Annual Convention and National Seminar of ISTE 27 th -29 th December 2002, NMAMIT, Nitte Karnataka. (NC3)
4.	Moushumi Mazumdar, G. Shivakumar, H.S. Mohana and Dr K A Krishnamurthy , “An Automated Terrace Cultivation System with Remote Monitoring Facility”. National symposium on Instrumentation. Held at GB Pant University, from 3 rd -5 th November 2003. (NC4)

5.	Anirban Bhowal, G. Shivakumar, H.S. Mohana and Dr K A Krishnamurthy , “A PIC 16F877 Microcontroller Based Automation of Cattle Feed Plant”, National Symposium on Instrumentation. Held at GB Pant University, from 3 rd -5 th November 2003. (NC5)
6.	Dr H N Suresh, G Shivakumar, H S Mohana and Dr M S Raviprakasha , “Design and Fabrication of Switched Mode Power Supply”, National Conference on Recent Advances In Power System And Control held at GVP, Vizag, from 27 th –29 th December 2003. (NC6)
7	G. Shivakumar, H.S. Mohana and H.N Suresh , “Trellis Codec using Altera Max 3000 CPLD”, National Conference on Control and Instrumentation held at MIT, Manipal, from 05 th –06 th November 2004. (NC7)
8	“Design and Development of Thin Film Magnetoresistive Magnetometer” K.V. Siddamal, G. Shivakumar, H.S. Mohana and M.V. Sathyanarayana Presented and Published at the International Conference on Instrumentation to be held at GIET, Poona, from 19 th –21 st December 2004. (IC1)
9	G. Shivakumar, H S Mohana and Dr H N Suresh , “PLC for captive power generation using Altera MAX 3000 CPLD”, International Conference on Energy, Information Technology and Power to be held at GIET, Poona, from 28 th –29 th January 2005 (IC2)
10	Paniraj K M, Ravishankar K C, Mohana H S, Prabhakara H S , “Genetic algorithm based lossless image compression”, National Conference at JNNCE Shivamoga, Malnad College of Engineering, Hassan, Karnataka, India -2005 (NC8)
11	G. Shivakumar, H.S. Mohana , “A bio-vetenary system to characterize disease in bovines”, National symposium on Instrumentation held at Cochin University of Science and Technology, Cochin, during 30 th November to 2 nd December 2005, organized by Instrumentation Society of India. Indian institute of Science, Bangalore. (NC9)
12	G. Shivakumar., H.S. Mohana , “Medical strip detection and diverting system using PIC16F877 Microcontroller”, National Symposium on Instrumentation held at Cochin University of Science and Technology, Cochin, during 30 th November to 2 nd December 2005, organized by Instrumentation Society of India, Indian Institute of Science, Bangalore. (NC10)
13	H.S. Mohana, M. Ashwathakumar, G. Shivakumar, K C Ravishankar , “Vehicle Tracking and Velocity Estimation using Cumulative Optical flow computation”, NCICT_2006 at PSG-Coimbatore on 7 th and 8 th of 2006. (NC11)
14	H.S. Mohana, M. Ashwathakumar, G. Shivakumar , “Statistical Approach to Real-time Traffic flux Estimation”, IEEE International Conference on Digital Signal and Image Processing, 7 th to 9 th Dec,2006, BVB College of Engineering, Hubli(Page no. 501-505). (IC3)
15	H.S. Mohana, M. Ashwathakumar, G. Shivakumar, K.C. Manjunath , “Detection and classification of moving objects by using real time traffic flux through differential analysis”, International Journal of Computer, Mathematical Sciences and Applications,

	Serial Publications, New Delhi, Jan-June 2009 (IJ1)
16	H.S. Mohana, M. Ashwathakumar, G. Shivakumar , “Real time dynamic scene analysis using differential technique and performance evaluation with optical flow”, IEEE- International conference (ICACC-09) in Singapore, 21 – 24 January 2009 (IC4)
17	H.S. Mohana, M. Ashwathakumar, G. Shivakumar , “Vehicle detection counting by using real time traffic flux through differential technique and performance evaluation”, IEEE- International conference (ICACC-09) in Singapore, 21 – 24 January 2009 (IC5)
18	H.S. Mohana, M. Ashwathakumar, G. Shivakumar, K.C. Manjunath , “Detection and Classification of Moving Objects by Using Real Time Traffic Flux Through Differential and Graphical analysis”, IEEE First International Conference on Computational Intelligence, Communication Systems and Networks, Indore, 22-24 th July 2009 (IC6)
19	H.S. Mohana, M. Ashwathakumar, G. Shivakumr, H.S.Murali , “Real time parameter evaluation algorithm for ECG Signal, International conference on signal and image processing”, VVIET, Mysore, 12-14 Agust, 2009. (IC7)
20	H.S. Mohana, M. Ashwathakumar, G. Shivakumar, B S Yogananda , “Object Counting and Classification from Estimated Traffic Flux Density Using Contour Extraction”, GJCAT, Vol 1(1), 2011, 39-51 (IJ2)
21	B S Yogananda, H.S. Mohana, G. Shivakumar , “Computer Aided Diagnosis for the Detection of Lung Nodules”, IOSR Journal of Engineering, ISSN:2250-3021, Vol 2, Issue 7(July 2012), PP 134-136 (IJ3)
22	K C Manjunatha, H.S. Mohana, P A Vijaya , “Machine Vision based Non-Magnetic Object Detection and Removal on Moving Conveyors in Steel Industry through Differential Techniques”, International Journal of Computer Vision and Image Processing, 2(3), 66-77, July-September 2012. (IJ4)
23	H.S. Mohana, M. Ashwathakumar, K C Manjunatha , “Object Classification from Estimated Traffic Flux Density Using Discrete Fourier Transform”, International Journal of Computer Science and Artificial Intelligence, March 2013, Vol 3, Issue 1 (IJ5)
24	H S Mohana, Nandini S , “Development and Simulation of Poly View Fusion for Enhance Video Denoising Algorithms”, IJRIT International Journal of Research in Information Technology, Vol 1, Issue 5, May 2013, Page.165-174 (IJ6)
Paper published during-2014	
25	Dr H S Mohana, G. Shivakumar, and H.S. Prabhakara , “Engineering and Technology Education for Sustainable Development”, Indian Sustainability Congress-2014 held on 4-5 March 2014 at Bangalore. (NC12)
26	Dr H S Mohana, G. Shivakumar, Rajithkumar B K, C.M. Naveen Kumar , “Era Identification and Recognition of Stone In-scripted Kannada Characters Using Artificial Neural Networks”, 2 nd National Conference on Innovation in Computing and Communication Technology (NCICCT '14), March 22, 2014. (NC13)
27	Kiran, Dr H S Mohana, P A Vijaya , “Human Machine Interface based on Eye Wink

	Detection”, International Journal of Informatics and Communication Technology, Vol 2, No.2, July 2013, PP.116-123, ISSN: 2252-8776 (IJ7)
28	Dr H.S. Mohana and Rajithkumar B K , “Era Identification and Recognition of Ganga and Hoysala Phase Kannada Stone Inscriptions Characters using Advance Recognition Algorithm”, 978—4799-4190-2/14/\$31.00 ©2014 IEEE 2014, Page number 711-717 (IC8)
29	Dr H.S. Mohana, Rajithkumar B K, Dr. B. R. Sujatha, Bhavana M B , “Extraction of Stone In-scripted Kannada Characters Using Sift Algorithm Based Image Mosaic”. International Journal of Electronics & Communication Technology, IJECT Vol. 5, Issue 2, April - June 2014 (IJ8)
30	Dr H S Mohana, Rajithkumar B K, Navya K, H S Prabhakara, G Shivakumar , “Fingerprint Recognition using Scale Invariant Feature Transform”, International Journal of Electrical and Electronic Engineering & Telecommunications (IJEETC), Volume 3, Issue 3, May 2014. (IJ9)
31	Rajithkumar B K, Dr H S Mohana, Dr M Shivakumar, Dr K C Ravishankar , “Template Matching Method for Recognition of Stone Inscripted Kannada Characters of Different Time Frames based on Correlation Analysis”. International Journal of Computer and Electronics Research (IJECR) [Volume 3, Issue 3, June 2014 (IJ10)
32	Dr. H S Mohana, Navya K, G. Shivakumar, Dr. P C Srikanth , “Stone Inscripted Kannada Characters Matching using SIFT”, International Journal of Industrial Electronics and Electrical Engineering, ISSN: 2347-6982, Volume-2, Issue-6, June-2014. (IJ11)
33	Navya K, Dr. H S Mohana, Nagesh C, Chaithra Vijayaprakash , “A Simple Iris Detection Algorithm Based on the Cross-Correlation and Feature Transform Matching Method”, International Journal of Electronics and Communication Technology, ISSN: 2230-9543, Volume-5, Issue-2, April-June-2014 (IJ12)
34	Dr. H.S. Mohana, Navya K, Rajithkumar B K, Nagesh C , “Interactive segmentation for character extraction in stone inscriptions”, IEEE sponsored conference - International Conference on Current trends in Engineering and Technology in Coimbatore, paper id. ICCTET 077, pp-431-438. (IC9)
Paper published during-2015	
35	Pradeepa R, H S Mohana "Identification and Recognition of stone in-scripted hoysala characters using SVM model ", IJIRT, Vol 1, Issue 12, May 2015. (IJ13)
36	Pradeepa R, H S Mohana "Segmentation of historical documents using region-based segmentation method", IRJET, Vol.2 Issue 2, May 2015. (IJ14)
37	Pradeepa R, H S Mohana "Historical ganga and ashoka character recognition and classification with the help of SVM model", IRJET, Vol.2 Issue 2, Jun 2015. (IJ15)
38	Pramod Kammar, H S Mohana, T D Vishnumurthy "Minimization of ring artifacts in CT images", ICCSEEE-2015, Bengaluru, 24th & 25th May 2015. (IC10)
39	Vishnumurthy T D, Mohana H S, Vaibhav A Meshram, Pramod Kammar ,

	"Suppression of Herringbone Artifact in MR Images of Brain Using Combined Wavelet and FFT Based Filtering Technique", International Journal of Computer Sciences and Engineering, Volume 4, Issue 2, E-ISSN 2347-2693. (IJ16)
40	Mahanthesh U, Avi kumar R, Dr. Shivakumar M, Dr. H.S. Mohana , "Real Time Controlling of Autonomous Robot based on the Detection of Traffic Signs using MATLAB", National Conference on Power Systems & Industrial Automation (NCPSIA-2015), GSSS Institute of Engineering & Technology for Women, Mysore (NC14)
41	Vishnumurthy T D, Mohana H S, Vaibhav A Meshram, Pramod Kammar , "A Novel Algorithm for Removal of Herringbone Artifact in Brain MR Images Using FFT and Canny Edge Detector", American Journal of Engineering Research (AJER), e-ISSN: 2320-0847 p-ISSN: 2320-0936, Volume-5, Issue-5, pp-184-189. (IJ17)
42	G. Shivakumar, H.S. Mohana and P.A. Vijaya , "Human Blood Glucose Measurement Using PIC 16F877 microcontroller", National symposium on Instrumentation, paper number-CP-327, Institute of Technology & Management, Department of Electronics & Instrumentation, ITM Universe, Gwalior, Instrument Society of India, Indian Institute of Science, Bangalore. (NC15)
43	G. Shivakumar, H.S. Mohana, H.S. Murali and C M Naveenkumar , "LabVIEW Based Specific Gravity Measurement", National Conference on Power Systems and Industrial Automation (NCPSIA-2015), pp 84-88, GSSSIETW, Mysore 22 nd August 2015. (NC16)
44	K.C Manjunatha, H.S Mohana, P.A. Vijaya "Implementation of Computer Vision Based Industrial Automation by Using Neuro-Fuzzy Algorithms", IEEE International Conference on Intelligent and Autonomous Systems (ICIAS2015) at MCE Hassan& MCF (ISRO), India, Pp-19, 2015. (IC11)
Paper published -2016	
45	H.S. Mohana, B K Rajithkumar, J. Uday and B.V. Uma , "Edge Detection of Degraded Stone Inscription Kannada Characters Using Fuzzy Logic Algorithm", Data Engineering and Intelligent Computing Proceedings of IC3T 2016-Springer. (IJ18)
46	Dr. H.S. Mohana 1, Rajithkumar B K2 , "Real Time Kannada Stone Inscriptions Characters Recognition System", International Journal of Electrical, Electronics and Communication Engineering Volume 1 Issue 1-pp1-11-2016 (IJ19)
47	Mahanthesh U, Dr. H S Mohana , "Identification of Human Facial Expression Signal Classification Using Spatial Temporal Algorithm", International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE) Vol 2, Issue 5, May -2016 (IJ20)
48	Vishnumurthy T D, Mohana H S, Vaibhav A Meshram, Pramod Kammar , "A Novel Algorithm for Removal of Herringbone Artifact in Brain MR Images Using FFT and Canny Edge Detector", American Journal of Engineering Research (AJER), e-ISSN: 2320-0847 p-ISSN: 2320-0936, Volume-5, Issue-5, pp-184-189.(2016) (IJ21)
Paper published -2017	

49	Dr. H S Mohana¹, Dr. G Shivakumar², Shreedevi K³, Aditiya M Puranik⁴ "Human Action Classification Using Differential Technique " National conference CCSO17 held at Dr. AIT Bangalore, during 30-31st March-2017 (NC17)
50	Vishnumurthy T D, Mohana H S, Vaibhav A Meshram et.al. " Detection and classification of Abnormalities in Brain M R Images using Support Vector Machine with Different Kernels", International Journal of Electronics Engineers (ISSN(O)2321-2055ISSN(P) 2321-2047, Vol.09, Issue01, Jan-Jun2017. (IJ22)
51	G. Shivakumar, H.S. Mohana, Swathi H Y," Crowd Behavior Analysis: A Survey", 2017 International Conference on Recent Advances in Electronics and Communication Technology. (IC12)
52	Dr H S Mohana, Satheesh M K, "A color enhancement using histogram modification of color and depth images", by International Journal of Scientific and Engineering Research ISSN:2229-5518, Volume-10, ISSUE 9, Sept 2019 (IJ23)
53	Dr H S Mohana, Prathibha G, "Quantitative and Qualitative Measurement of K- means and Fuzzy C Means, the Detection and Extraction of MRI Cerebellum lesions" by International Journal of Recent Technology and Engineering (IJRTE), ISSN:2277-3878, Volume-8, ISSUE-3, Sept 2019 (IJ24)
Paper published -2018	
54	Dr H S Mohana, U Mahanthasha, "Smart Digital Monitoring for Attendance System", International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering (ICRIEECE), DOI: 10.1109/ICRIEECE44171.2018.90091662018, July 2018, (IC13)
55	G Prathibha, HS Mohana, "Assessment of Segmentation Algorithms Using GLCM Features in Detection and Extraction of Tumors and Lesions of Brain MRI", Third International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT) 14-15, December 2018 (IC14)
56	TD Vishnumurthy, Vaibhav A Meshram, HS Mohana, Pramod Kammar, "Frequency Domain Technique to Remove Herringbone Artifact from Magnetic Resonance Images of Brain and Morphological Segmentation for Detection of Tumor" Emerging Research in Computing, Information, Communication and Applications, Springer Singapore, 2018 (IJ25)
57	KC Manjunatha, HS Mohana, PA Vijaya, "Computer Vision-Based Non-Magnetic Object Detection on Moving Conveyors in Steel Industry Through Differential Techniques and Performance Evaluation", Computer Vision: Concepts, Methodologies, Tools, and Applications, DOI: 10.4018/978-1-5225-5204-8.ch077, 2018 (IC15)
58	BK Rajithkumar, HS Mohana et.al., "Real Time Input Text Recognition System for the Aid of Visually Impaired", International Conference on ISMAC in Computational Vision and Bioengineering (ISMAC-CVB), 2018. (IC16)
Paper published -2020	
59	Dr HS Mohana, U Mahanthasha, "Human action Recognition using STIP Techniques",

	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN,2020 (IJ26)
Paper published -2021	
60	P Shreedevi, H S Mohana , “An improved local binary pattern algorithm for face recognition applications”, IEEE Mysore Sub Section International Conference (MysuruCon), October 2021. (IC17)
61	HS Mohana, U Mahanthesha . “Human action recognition using STIP evaluation techniques”, Progress in Advanced Computing and Intelligent Engineering: Proceedings of ICACIE 2019, Volume 1, Springer Singapore,2021 (IC18)
Paper published -2022	
62	P Shreedevi, HS Mohana ,” Video Analysis to Recognize Unusual Crowd Behavior for Surveillance Systems: A Review”, Congress on Intelligent Systems, Springer Nature Singapore, 2022 (IC19)
Paper published -2023	
63	P Shreedevi, HS Mohana , “Segmentation Method to Obtain Required Area of Interest Using Deep Learning”, SJIS-P, Volume 35, Issue 3, 2023 (IJ27)

Patents:

1.	“IOT and Power system-based energy harvesting technique for railway sector by using WSN and ZIGBEE
2.	“Data Science, AI, ML algorithms-based Paddy-Disease Avoidance system using DNN and Image Processing approach”.

Seminars and workshops attended:

1.	KSCST Seminar, KVGCE, Sullia, 2000.
2.	KSCST Seminar, 18-20 September 2002, SIT, Tumkur
3.	International conference on Human machine Interface, 20 th -23 rd December 2004, IISc, B'lore
4.	Fifth national workshop on cryptology, 12 th -14 th Aug.2005, JNNCE, Shimoga with DRDO and CSIR
5.	Workshop on Mathematical Tools for Engineering Analysis, 10 th -12 th March 2006
6.	Student evaluation methods in autonomous institutions 9 th and 10 th Feb. 2007, MCE, Hassan
7.	ISTE 36 th Annual Convention and National Seminar, 14 th -16 th Dec 2006, Bannari Amman Institute of Technology, Satyamangalam, Tamilnadu
8.	Value inculcation in engineering education, 30 th April and 1 st May 2007, MCE, Hassan
9.	FEEL Teacher Development Programme, 27 th -31 st Aug 2005 by CLHRD, Mangalore MCE, Hassan

10.	Emerging Trends in Control and Instrumentation 1 st and 2 nd September 2006, MCE, Hassan
11.	Blueprint for Success, 27 th -29 th Dec 2006, by qualified learning systems Co. INC. (USA) (Shiv Khera), MSRIT, B'lore
12.	Student evaluation methods in autonomous institution Feb 9&10 2007, MCE, Hassan
13.	Value inculcation in Engineering education, 30 th April and 1 st May 2007, MCE, Hassan
14.	Digital image processing and computer Vision on 4 th and 5 th May 2007, at MCE, Hassan
15.	Workshop on Multi-sensors and data fusion, 27 th -28 th Dec 2007, MSRIT, Bangalore
16.	Mission 10X by Wipro, 11 th -15 th November 2008, MCE, Hassan, 5 days
17.	Workshop on Micro and Smart Technology, IISc, Bangalore, 21 February 2009
18.	Bringing Industry to Institutions, MCE, Hassan, 19-02-2009 to 21-02-2009, 2 days
19.	Research Methodologies, MSRIT, Bangalore, 28 th to 29 th May 2009, 2 days
20.	Workshop on Micro and Smart Tech, MSRIT, Bangalore, 2 nd and 3 rd July 2009, 2 days
21.	Attended as delegate in "Indian Technology Congress" 2013, 24 th – 25 th July 2013, Bengaluru
22.	One of the Organizing Committee member and participant of One day National workshop on "Patents & Innovations" held at MCE, Hassan on 31 st August 2013.
23.	Two days workshop on "Strengthening Academic Leadership Traits and good Governance". Organized by Cresys Technology at Orange County, Madikere on June 27 & 28 th 2013.
24.	Attended Three days workshop on "Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self Assessment Report" held at MCE Hassan from 11-13 th July 2013.
25.	Workshop on "Quality initiatives in Technical & Higher Educational institutions through accreditation & assessment", held at GEC Hassan On 5-7 November-2015.
26.	Attended two days workshop "Strengthening Academic Leadership Traits and Good Governance" organized by Cresys Technologies from 27 th – 28 th June 2013 held at Bengaluru.
27.	Attended One day workshop "Technical Document Typetting with LATEX" organized by Department of E & I Engg. On 19 th March 2015 held at MCE, Hassan.
28.	Attended One-week TEQIP-II workshop "Recent Technological in Optical Engineering" organized by Department of E & C Engg. On 14-18 July- 2015 held at MCE, Hassan.
29.	Attended One day workshop "Embedded System design using Nuvotron 52 Microcontroller" organized by Department of E & I Engg. On 27 th Feb- 1 st March 2015 held at MCE, Hassan.
30.	Attended "World Summit on Accreditation" from 8 th – 10 th March 2014, held at New

	Delhi.
31.	Attended One day workshop “Mind Ur Mind” organized by Sellmark Inc. on 23 rd March 2013 held at Hotel Southern Star, Hassan.
32.	Attended Two Days workshop on “Antenna Research and Communication Technology” Jointly organized by Departments of EIE and ECE held on 6 th and 7 th March, 2015, at MCE, Hassan.
33.	Participated, TEQIP-II Sponsored Two Days Hands-on Training programme on Real Time Integration and Implementation of Sensors for the for the faculty and students on 20 th and 21 st February 2017 at MCE, Hassan.
34.	Attended three Days Workshop TEQIP II sponsored One week FDP on “End to End Innovations” organized by TATA Centre, IITB, Mumbai from 7 th to 11 th March, 2017

Membership and Fellowship of Professional Bodies:

Professional bodies	Membership	Since
FIE	Fellow	2002
FIETE	Fellow	2005
MISTE	Life Member	1990
IACSIT-Singapore	Life Member	2009

Lectures Delivered:

- Delivered Lecture on “**Recent Trends in Biomedical Instrumentation**” Date: 2nd & 3rd March 2007, Under the Assistance of World Bank aided TEQIP.
Organized by: Dept. of Instrumentation Technology, University BDT College of Engineering Davangere
Topic: **Optical Flow Computation and its application in Medical Image Analysis**
- Delivered Lecture on “**Optical flow analysis and its application in Medical Image analysis**”, for One week faculty development programme (from 26th March to 30th March 2012) on “**Recent Advances in Medical Imaging Techniques**” sponsored by VGST – Govt. of Karnataka, & VTU Belgaum, at GSSSIT-Mysore.
- Delivered Lecture on “**Emotional Intelligence & its relevance in Engineering Education**” TEQIP II sponsored One week FDP on Pedagogical Training- FEEL Teacher, 15-17th Dec 2014, MCE, Hassan.
- Delivered Lecture on “**Emotional Intelligence & its relevance in Engineering**” TEQIP II sponsored One week FDP on Pedagogical Training- FEEL Teacher, 6th June – 11th June 2016, MCE, Hassan.
- Delivered Inaugural Lecture on “**Emotional Intelligence & its relevance in Education**” Mangala PU College, BM Road Hassan 4th June – 11th Jan 2016, during Personality Development Programme.

Workshops Coordinated:

- Coordinator for Two days Hands-on workshop on **“Embedded System Design using Intel and ARM Cores”**, 27th & 28th of February 2016.
- Coordinator, Two Days workshop on **“Antenna Research and Communication Technology”** Jointly organized by Departments of EIE and ECE held on 6th and 7th March, 2015, at MCE, Hassan.
- Co-Coordinator, TEQIP-II Sponsored Two Days Hands-on Training programme on **Real Time Integration and Implementation of Sensors** for the for the faculty and students on 20th and 21st February 2017 at MCE, Hassan.
- Coordinator, TEQIP-II Sponsored one week FDP/workshop on **Digital Signal and Image Processing for Biomedical Applications** for the for the faculty and students on 20th and 24th March 2017 at MCE, Hassan.

Other significant contributions:

1. Academic Advisory Committee member- JSS Science & Technological University, Mysore.
2. BOE- Member (PG Studies- Control & Instrumentation), Bangalore University.
3. BOS Member – Department of E & I/IT Engg/IT Dr. Ambedkar Institute of Technology, Bengaluru. (from 2016-till date).
4. Chosen as resource person in the course Network Analysis for EDUsat program of Visvesvaraya Technological University, Belagavi-2017.
5. BOE Member – Department of E & I/IT Engg/IT M S Ramaiah Institute of Technology, Bengaluru (from2008-till date).
6. BOS Member – Department of E & I/IT Engg/IT Basaveshwara Engineering College, Bagalkot (from2016-till date).
7. BOS Member – Department of E & I/IT Engg/IT SIT Tumkur (from2017-till date- as VTU Nominee).
8. BOS Member – Department of E & I/IT Engg/IT PDA College of Engineering (from2016-till date).
9. Worked as BOS Member – Department of E & I/IT Engg/IT RVCE Bangalore during 2012 -2014.
10. BOE Member – Department of E & I/IT Engg/IT.JCE MYSORE Institute of Technology, Bengaluru (from2008-till date).
11. Worked as an expert member in quality assessment/inspection of medical equipment at HIMS HASSAN.
12. Nominated as doctoral committee member of different research centers- E&I Engg. Of VTU.
13. Worked as an Examiner for Ph.D Comprehensive Viva –VTU Belagavi.
14. Interview Panel Member – NDRK Institute of Technology, Hassan.

15. Member of Research Paper Review for several journals and conferences of National and International level.
16. Working as an Inspector in the Karnataka State Government's 'Mahithi Sindhu' Program
17. Worked as **Expert committee member in connection with AICTE** inspection for continuation of affiliation/variation in intake/starting of new courses.
18. Worked as **BOS Member of VTU and Kuvempu University**.
19. VTU Local Inspection Committee –Member
20. Presented invited lectures in different colleges of the state.
21. Reviewed Book titled “**Electronic Instrumentation**” by **David A Bell**, Oxford press for Indian reprint.
22. Worked as member BOE member VTU (regional chairman – twice), BOE member Kuvempu University.
23. Worked as **Chairman BOE(IT)**, Mysore University
24. Worked as **member BOS(IT)** on more than one occasion, Mysore University, Kuvempu University and VTU.
25. Actively participated in the curricular development and model question preparation workshops of VTU held at MCE, Hassan
26. Participating actively in all Continuing Education programs conducted by the institution for various governmental and non-governmental organizations like KPC retooling program.
27. **Chairman-BOS and BOE**, Instrumentation Technology, Autonomous, MCE, Hassan.
28. Presented invited lectures in different colleges of the state.
29. Sitting member of **BOS /BOE** of Autonomous Colleges like MSRIT, SJCE, RVCE.
30. Working as an **Inspection Member** to verify the specification of the medical instrument/Equipment in the Karnataka State Government's **Hassan Institute of Medical sciences** –Hassan (2015-16)
31. **Member- board of selection committee** for selecting technical teachers/faculty at NDRK Institute of Technology, Hassan and other technical institutions.
32. Worked as Doctoral Committee member of Research Center Electronics and Communication Engg. MCE Hassan.
33. Worked as **Dean (Exams)/Controller of Examination** for Autonomous Programme
34. Worked as **Dean (AA), Member Academic Council, Dean (Humanities), Board of Governing Council Member**.
35. Initiated the implementation of Students Information Automation software with M/s Contineo.

Honors:

- **Honored as Session Chairperson in IEEE- International conference (ICACC-09)** at Singapore, 21 – 24 January 2009.

- **Honored as Session Chairperson in IEEE- 2009 First International Conference on Computational Intelligence, Communication Systems and Networks, Indore, 22-24th July 2009**
- **Honored as Session Chairperson in Jawaharlal Nehru National College of Engineering, Shimoga, 20th -22nd Dec 2013: International Conference on “Multimedia Processing, Communications and Information Technology” – MPCIT 2013**
- **Honored as an IEEE CAS Bangalore Chapter-Outstanding Volunteer 2020** in recognition to his outstanding contribution towards IEEE CAS Bangalore Chapter.
- **Honored as the Distinguished Member of IETE** in recognition to his prominent contribution to IETE Mysuru Center.

Special Achievements:

- **‘Electronic devices and Circuits’ Textbook by David A Bell has been reviewed.**
- Worked as an **Organizing Chair** for IEEE International Conference MysuruCon held at Navkis College of Engineering.
- Working as an **Executive Committee Member** of IEEE Mysuru Subsection 2021.
- Working as **Permanent Invited Executive Committee Member** of IETE Mysuru Subsection 2021.

Chapters Written:

Sl.No	Title	Author’s Name	Publisher	Publication Year
1	Computer vision – Based Non-Magnetic Object Detection on Moving Conveyors in Steel industry through Differential techniques and performance Evaluation	Dr H S Mohana K C Manjunatha P A Vijaya	IGI global	2014
2	Aruhu Kuruha visheshanga – kannada shasanagala yantrika oduvike :kelavu pryatnagalu (page No – 36-38)	Dr H S Mohana B K Rajit Kumar K Pratibha	Ha. Thi Rathna	2017
3	Lecture Notes Computational Vision, Chapter 16 Real time input Text Recognition System for the Aid if visibility Impaired	Dr H S Mohana B K Rajit Kumar	Springer Nature ISBN:978-3-030-0064-8	2018
4	Edge Detection of Degraded stone Inscription Kannada	Dr H S Mohana B K Rajit Kumar	Springer Advances Intelligent Systems	2018

	Characters using Fuzzy Logic Algorithm		and Computing (AISC) Series, ISSN:2194-5357	
5	Lecture Notes in Networks and Systems, Third Congress on Intelligent Systems, Volume 2 Video Analysis to Recognize Unusual Crowd Behavior for Surveillance Systems: A Review.	Dr H S Mohana P Shreedevi	Springer Singapore, ISBN: 978-981-19-9378-7 ISSN 2367-3389 Published: 19 May 2023	2023

(Dr. H S MOHANA)