

## *Profile*

Name: **Dr. Sanjay Pande M.B.<sup>FIE</sup>**

Address:

Official: **Professor,**

Department of Computer Science & Engineering.

G M Institute of Technology, Davangere

**University: Visvesvaraya Technological University**

**“JnanaSangama” Belagavi-590 018’**

Residence: ***C/o R. Ganesh Prasad***

*4718, 1<sup>st</sup> Cross, NarashimaRaj Mmohalla,*

*Rajput Block, ShivajiRoad Mysore-570 007.*

E-mail : [rakroop99@gmail.com](mailto:rakroop99@gmail.com)

Mobile: 9341919810

Phone (Res) : 0821-2342754

0821-2493916 / 2495361

Father : M.B. BhagavanPande

Mother : M. Sharadha B. Pande

Martial Status : *Married*

Family: Wife :RajarajeshwariPande

Kids: a) Dr. RakeshPande MS, b) RoopeshPande MS

**Educational Qualification:**

<b><u>Degree</u></b>	<b><u>Subject</u></b>	<b><u>University/ Board</u></b>	<b><u>Year of Award</u></b>	<b><u>Title</u></b>	<b><u>Institution / Department</u></b>
MBA	HR	KSOU, Mysore	2011		Dept. of M B A
Ph.D.	Computer Science	University of Mysore, Mysore.	2005.	An algorithmic model for exploratory analysis of trace elements in cognition and recognition of neurological disorders.	<ul style="list-style-type: none"><li>• Department of Biochemistry &amp; Nutrition, CFTRI, Mysore</li><li>• Department of Studies in Computer Science, UOM, Mysore</li></ul>
M..Tech	Bio-Medical Instrumentation	University of Mysore, Mysore.	1999.	Analysis of CSF in Control and Alzheimer's Patients with ICP-AES.	Sri Jayachamarajendra College of Engg. Mysore.
B.E.	Computer Science &Engg.	University of Mysore, Mysore.	1996.		Sri Jayachamarajendra College of Engg. Mysore.
Diploma	Computer Science &Engg.	Board of Technical Examinations, Bangalore.	1989.		Nadgir Polytechnic, Bangalore.

***PhD Guides:***

1. **Dr. P. Nagabhushan , Professor & Chairman , Department of Studies in Computer Science Manasagangothri, Uni. Of Mysore, Mysore.**
2. **Dr. K.S. JagannnathaRao, Scientist, Bio-chemistry &Nutrition,CFTRI, Mysore.**
3. **Dr. T.S. SatyanarayanaRao, Professor &Head,Dept. of Psychiatry JSS Medical College and Hospital, Mysore**

## *A Brief Write Up of PhD Work*

Designing a specific classifier, which addresses the Matching problem. With an unknown sample was to be contrasted with the Cognition base built-up with samples of apriori knowledge belonging to the reference set. Which was formulation of a distance measures. Upon obtaining a Match of the sample with the cognition tool it was said to be classified as a sample belonging to or not which is mainly strength of affiliation to Cognition. Base.

As we all know a medical professional has to accurately diagnose an individual as a healthy Class or not, which decides the course of the treatment. In this research, Assessment of progression of neurological disorders – Parkinson's and Alzheimer's, was performed by analyzing the bio-chemical-pathological diagnostic tests. Anyhow the outcome of the work was kept quite generic, and the new models were related to fraternity of PR Technologies.

A new distance measure based on mean ( $\mu$ ) and variance ( $\sigma^2$ ) computations to obtain Doyle's distance were adopted. In the next stage, amore comprehensive Cognition base was employed with feature wise distribution pattern of healthy samples by decomposing it into several zones and assigning Suitable weightage factors to it. In the next process, we formulated a method to assess the degree of similarity of the sample with the cognition base, in terms symbolic parameters. Further, to compute the distance between two generic objects we employed histogram parameters, which solved the matching problem and also the requirement of any general classification and cluster analysis problem.

For the perspective of computing, the adoptability of the methodology was technically confirmed with Iris dataset And entire work was around (i) Data analysis to model the input features, (ii) Application of Symbolic Data Analysis techniques and (iii) Feature reduction (Dimensionality reduction) strategies for exploratory mining (iv) Derivation of suitable distance measures to accomplish clear discrimination between different class which should further be able to quantify the degree based on opinion of medical expert.

## Memberships:

**Fellow Institute of Engineers,**

**F-1212415**

**Member of Computer Society of India, India**

**Member of Indian Society for Technical Education,  
IndiaLM108249**

**Member of IRED - Institute of Research Engineers and  
Doctors, New York, NY 10004, United States of  
America.**

**Member CSTA - Computer Science Teachers Association, New  
York, NY 10117-3509 and 1-800-342-6626  
(US/Canada)**

**Member IAENG-International Association of Engineers, Unit 1,  
1/F, 37-39 Hung To Road, Hong Kong.**

**Member ICST - Institute for Computer Sciences, Social  
Informatics and Telecommunications Engineering, is  
a professional society that sponsors research,  
innovation and technology transfer to harness and  
maximize the benefits and impact of ICT in all  
sectors of human society, **South Portland.****

**Member ITEEA- INTERNATIONAL TECHNOLOGY AND ENGINEERING  
EDUCATORS ASSOCIATION, 1914 Association Drive,  
Suite 201, Reston, VA 20191. Tel: 703.860.2100, Fax:  
703.860.0353 iteea@iteea.org**

**Member AMLE- Association for Middle Level Education  
4151 Executive Parkway, Suite 300, Westerville, OH  
43081614-895-4730, (fax) 614-895-4750**

**Member AMEE-Association for Medical Education in Europe  
12 Airlie Place, Dundee DD1 4HJ, UK  
T: +44 1382 381953 • F: +44 1382 381987 •  
E: amee@dundee.ac.uk • Scottish Charity: SC031618**

**Member AOHT- The Association of Healthcare Trainers, founded  
by healthcare trainers, for healthcare trainers,  
INVESTORS IN PEOPLE, UK [info@aoht.co.uk](mailto:info@aoht.co.uk)**

**MEMBER AMBA- Association for Master in Business  
Administration 25 Hosier Lane, London, EC1A 9LQ,  
United Kingdom  
Email: info@mbaworld.com, Phone: +44 (0) 2072462686**

**VTU Faculty ID- 4GMCS0006889**

### **Professional Recognition:**

1. **Member, Board of Examination, University of Mysore, Mysore** for Specialized programme offered under **Outreach Programme** in *Sampoorna International Institute of Agri. Science & Horticultural Technology, Channapatna, B.Sc (Honours) in Agricultural Science and Technology / Horticultural Science & Technology* for the Academic year 2016-17.
2. **Member, Board of Studies, University of Mysore, Mysore** for Specialized programme offered under **Outreach Programme** in *Sampoorna International Institute of Agri. Science & Horticultural Technology, Channapatna, B.Sc (Honours) in Agricultural Science and Technology / Horticultural Science & Technology* for the Academic year 2016-17.
3. **Member, Board of Examination, Visvesvaraya Technology University, Belagavi** for 2014, & 2015-2016.
4. **Invited Speaker on Plagiarism, Jain Institute of Technology, Davangere on during 2015.**
5. **Speaker, TechnoMania- A Annual Technical Fest, University BDT College of Engineering (UBDTCE), Davangere on 2015.**
6. **Co-ordinating Member for National Board of Accreditation (NBA), for GMIT, Davanagere Since Feb 2015**
7. **Co-ordinating Member for INTERNATIONAL ORGANIZATION for STANDARDIZATION, ISO-9001, for GMIT, Davanagere**
8. **Expert Panel member** of Jain University for PhD programme in Computer Science and Engg, since 2012.
9. **Advisory member** of CESCO, Mysore during 2010 -2012
10. **SPOC, Single point of contact** for INFOSYS-VVIET, Mysore during 2010-2012
11. **National Advisory Committee Member, International Conference on Computer Science & Information Technology 2010, on 17<sup>th</sup> & 18<sup>th</sup> September 2010 to be held at R.L. Jalappa Institute of Technology, Doddaballapura, Bangalore.**
12. **Invited Speaker, Research avenues for Computer Science faculty** held on 15<sup>th</sup> November 2009 at R.N. College of Engg. & Technology, Madlauda, Panipat
13. **Advisory Member:** R.N. College of Engg. & Technology, Madlauda, Panipat.
14. **Invited Speaker on Topic Research Avenue in India Foundations for Project proposals, on 21<sup>st</sup> & 22<sup>nd</sup> Aug 2009, held at Under Association of Department of Computer Science and Engineering, G.S.S.I.E.T. for Women, Mysore**

15. **B.O.E Member for Computer Science in Karnataka State Open University, Manasagangothri, Mysore Academic Year 2009 to 2011.**
16. **Programme Committee Member, International Conference on Signal and Image Processing** on 12<sup>th</sup> – 14<sup>th</sup> August 2009, hosted by VidyaVikas Institute of Engineering and Technology, Alanahally, Mysore-Bannur Road Mysore- 570010.
17. **Committee Member, Emerging Trends in Computer Science & Information Technology, A National Level Conference, held on 17<sup>th</sup>– 18<sup>th</sup> April 2009, Organizer :Mahajana Education Society, PoojaBhagavat Memorial Mahajana PG Center, KRS Road, Mysore.**
18. **Session Chair, Inventio-09, State Level Paper Presentation, on 5<sup>th</sup> march 2009 at Department of ISE, GMIT,Davanagere.**
19. **Obtained DALE CARNEGIE TRAINING certification, workshop jointly organized by a Collaborate venture of Dale Carnegie & Associates Inc. Trainer under the Banner MISSION 10X during the Year 2008 -2009**
20. **Conference Committee Member,Xibit-08, A National Level Technical Symposium held on 25<sup>th</sup> & 26<sup>th</sup> April 2008, at R.L. Jalappa Institute of Technology, Doddaballapura, Bangalore**
21. **Reviewer and Session Chair for Medical Imaging Session forSecond International Conference on Cognition and Recognition – ICCR08, held on 10-12<sup>th</sup> of April 2008 Organized by PES College of Engineering, Mandya, Karanataka, India.**
22. **Awarded with Senior Research Fellowship from Indian Council of Medical Research – New Delhi for Doctoral work, during 2000 -2004.**
23. **Invited as a Resource Person in Kerala University for delivering lecturer in Academic Staff College in area of Intellectual Property Rights and Bioinformatics conducted between Jan 17<sup>th</sup> to Feb7<sup>th</sup> 2006.**
24. **Reviewer and Session Chair for First International Conference on Cognition and Recognition – ICCR05, held onDec 22 & 23, 2005; Organized by Jointly by PES College of Engineering , Mandya and Department of Studies in Computer Science , Manasagangothri, Uni. Of Mysore, Karanataka, India.**
25. **Young Scientist Award by the World Congress of Biological Psychiatry for a 8<sup>th</sup> attending Conference at Vienna, Austria. June 28<sup>th</sup> – July 3<sup>rd</sup> 2005. Attended by Dr. Raveesh Co-Author of the Paper.**
26. **Research Consultant, Mental Informatics Treatment Research Academy (MITRA) Since March 2005**

27. *Speaker in Continuing Medical Education [CME] on IT Vs Psychiatry 56<sup>th</sup> Annual Conference of Indian Psychiatric Society: IPS Karnataka State Branch Jan 2004.*
28. *Reviver: International Journal of Bioinformatics; Oxford Press: Cambridge, London, Since Nov – 2002.*
29. *One out of Five Researcher in the world to receive Bursary Award [cover my Local Hospitality] for attending International Conference on Aluminum in UK [London] held during Feb – March 2001, Received Full Travel Grant from Government of India.*
30. *Received an International Recognition for Collaborating with Canadian Researcher Prof. VasuAparna biochemistry Adjunct Professor university of Waterloo, Department of Chemistry & Biochemistry, Laurentian University, Ramsey Lake Road, Sudbury, Ontario, P3E 2c6, Canada.*
31. *Received an Invitation for First International Meeting on Alzheimer's Disease in Brazil to present a Paper for Finding a CSF as Diagnostic Tool to Analyze Alzheimer's Disease October 5-7 2000.*
32. *Awarded First Place For Platform Presentation In Society of Biological Chemists during the Year 2000.*
33. *Selected to work in Assessment of Mineral Quantity & Preparation of Feasibility Reports for De-fluoridation of Water in Three Blocks of Andhra Pradesh :- Funded by The Rajiv Gandhi National Drinking Water Mission Ministry of Rural Development Government of India.*

### **B.1 Area of Interest:**

- *Imaging studies for cognition and recognition in Pattern Recognition*
- *Implementing Pattern Recognition and Image Processing Studies for analyzing different chemical elements and its relevance of Human system*
- *Application Software to understand role of Chemical elements in progression of Neurological Disorders: Such as Alzheimer's disease, Parkinson's disease.*
- *Implementing and Image Processing Studies for understanding Emotions and its relevance of Human system*

## **B.2. Credentials:**

**Management Council Member, University of Mysore, Mysore** for Specialized programme offered under **Outreach Programme** in *Sampoorna International Institute of Agri. Science & Horticultural Technology, Channapatna, B.Sc (Honours) in Agricultural Science and Technology / Horticultural Science & Technology* for the Academic year 2016-17.

**Convener, Delta 15.0, A national Level Technical Fest**, held during 4<sup>th</sup> – 5<sup>th</sup> of September 2015, *G.M.I.T. Davanagere*

**Co-ordinator, Mission10X Learning Approach Workshop Advanced**, held during 22<sup>th</sup> – 23<sup>rd</sup> of March 2010, Jointly organized In-collaboration with Wipro Technologies, Bangalore & *G.S.S.S.I.E.T. for Women, Mysore*

**Co-ordinator, Mission10X Learning Approach Workshop**, held during 4<sup>th</sup> – 8<sup>th</sup> of Jan 2010, Jointly organized In-collaboration with Wipro Technologies, Bangalore & *G.S.S.S.I.E.T. for Women, Mysore*

**Conference Convener, Second National Level conference TANTRAGANA-2009, Arena of Intellectual Innovations**, to be conducted on 6<sup>th</sup> & 7<sup>th</sup> October 2009 held at *G.S.S.S.I.E.T. for Women, Mysore* Under Association of Department of Computer Science and Engineering, Mysore

**Convener, Foundations for Project proposals**, on 21<sup>st</sup> & 22<sup>nd</sup> Aug 2009, held at Under Association of Department of Computer Science and Engineering, *G.S.S.S.I.E.T. for Women, Mysore*

**Programme Committee Member, International Conference on Signal and Image Processing** on 12<sup>th</sup> – 14<sup>th</sup> August 2009, hosted by VidyaVikas Institute of Engineering and Technology, Alanahally, Mysore-Bannur Road Mysore- 570010.

**Advisory Committee Member for a National Level Conference on recent Trends in Engineering and Technology to be conducted** on 21<sup>st</sup> & 22<sup>nd</sup> November 2008, to be conducted in *R.L.Jalappa Institute of Technology, Bangalore* Under Department of Information Science and Engineering.

**Organizing Chair for a National Level Conference “TANTRAGNANA-2008”** conducted on 25<sup>th</sup> & 26<sup>th</sup> September 2008 held at *G.S.S.S.I.E.T. for Women, Mysore* Under Association of Department of Computer Science and Engineering, Mysore

**Reviewer and Session Chair for Medical Imaging session for Second International Conference on Cognition and Recognition– ICCR08**, held on 10-12<sup>th</sup> of April 2008 Organized by PES College of Engineering, Mandya, Karnataka, India. Science and Engineering & Department of Information Science and Engineering, Mysore

**Programme Co-ordinator for a “CSISA-2007”** conducted on 13<sup>th</sup> March 2008 held at *G.S.S.S.I.E.T. for Women, Mysore* Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore



**Programme Convener** for a Conference “**TANTRAGNANA-2007**” conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore

**Editor** for **TANTRAGNANA-2007** conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore

**Organizer & Organizing Committee member** for a Conference “**Theme: A One day Event where Knowledge & Stress are released**” conducted on 2<sup>nd</sup> May 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under Department of Computer Science and Engineering, Mysore.

**Organized** a workshop on **TANTRA GANANA 2006** Theme: **Innovative Talent Search**” conducted on 21<sup>st</sup> & 22<sup>nd</sup> April 2006 held at G.S.S.S.I.E.T. for Women, Mysore Under Department of Computer Science and Engineering, Mysore. Conducted in G.S.S.S.I.E.T. for Women, Mysore

**Reviewer and Session** chair for **First International Conference on Cognition and Recognition – ICCR05**, held on Dec 22 & 23, 2005; Organized by Jointly by PES College of Engineering, Mandya and Department of Studies in Computer Science, Manasagangothri, Uni. Of Mysore, Karnataka, India.

**Organizing Secretary** for the **First a workshop on TANTRA GANANA 2005** in Oct-26 & 27 Conducted in G.S.S.S.I.E.T. for Women, Mysore Under Department of Computer Science and Engineering, Mysore

**Commissioned a Unit** in **JSS Medical College** for **Neuro-Information Technology**, in joint collaboration of **Computer Science & Engg, SJCE, Mysore** and **Dept. of Psychiatry, JSSSMC, Mysore**

**Research Consultant** **Mental Informatics Treatment Research Academy MITRA** Since March 2005, Address: #2955, 1<sup>st</sup> Main, 2<sup>nd</sup> Cross, Saraswathipuram, Mysore. 570 009

**Scientific Committee, Member** of 56<sup>th</sup> Annual National conference of the Indian Psychiatric Society, (ANCIPS), 8<sup>th</sup> -11<sup>th</sup>, 2004, Mysore, Karnataka, India.

### **C. Research Contributions:**

**C.1: Eight members have been awarded their PhD under my Guidance**

**Dr. Kusuma, Title:** PCA as a tool for exploratory data Analysis in object Recognition,

Year of Award **2014**.

**Dr. Subramanya, Title:** Morphing of Images, Year of Award **2014**.

**Dr. Raveesh BN, Title:** Dimension reduction tool for mining data, Year of Award **2013**.

**Dr. ShobhaPatil; Title:** Feature Extraction methods for Effective Dimensionality Reduction in Pattern Recognition. Year of Award **2013**.

**Dr. Khalid Nazim;** *Title: Face Recognition by Reconstruction, Year of Award 2012*

**Dr. Shadhana;** *Title: Segmenting Skin Lesion Images Using Clustering Techniques, Year of Award 2012.*

**Dr. Vishwanth;** *Title: Intelligent Video Servlet Surveillance, Year of Award 2011.*

**Dr. Nagrajpatil;** *Title: Extraction of Knowledge from Multimedia Data, Year of Award 2011.*

*Five members are working for their PhD under my Guidance in VTU,*

**Mr. Madhusudhan;** *Title: A feature Reduction tool to recognize/Understand a brain disorder based on medical images/data: A case study on Parkinson's MRI, Registration Year Nov 2012(Completed Comprehensive Viva Voce)*

**Mr. Ravi S Mallashetty;** *Title: A Machine Learning approach using Neural Networks for Automating and Understanding Tuberculosis, Nov 2012 (Thesis Submitted)*

**Mr. Adithya;** *Title: A Feature Extraction Computing Model for Classifying Neurological disorders. Case Study Based on Bipolar Disorder. Registration Year 2012, (Thesis Writing)*

**Mr. Hemanth Kumar;** *Title: An algorithmic Model for design of Reliable and energy efficient protocols for wireless networks on human body. Registration year 2013. (Completed Comprehensive Viva Voce)*

**Mr. Mouneshachari S,** *Title: An Efficient Computing Model To Quantify Human Intelligence Index Using EEG Analysis, year 2013 (Thesis Submitted).*

**Mr. Manjunath S,** *Title: Development Of Techniques For The Automatic Extraction Of Grade Detection Of Brain Tumors Using Magnetic Resonance Images, year 2013.*

## **C.2. Publications:**

### **C.2.I) Journal Papers:**

1. *Devising an interpretable calibrated scale to quantitatively assess the dementia stage of subjects with alzheimer's disease: A machine learning approach*, C.R. Aditya and **M.B. Sanjay Pande**, Informatics in Medicine Unlocked, <http://dx.doi.org/10.1016/j.imu.2016.12.004>
2. *Gaussian Multi-Scale Feature Disassociation Screening in Tuberculosis*, Ravi S Malashetty, **Dr Sanjay Pande M B**, International Journal of Computational Engineering Research (IJCER), Volume , Issue No , January 2017.
3. *A Computing Tool for Diagnosis Pulmonary TB Based on Cough*, Ravi S Malashetty, **Dr. Sanjay Pande M B**, International Journal of Engineering Science and Computing, ISSN 2321 3361 © 2016 IJESC, Volume 6 Issue No. 12, 3852-3855. December 2016
4. *A view of using Computing Model in Medical Data Analysis*, Ravi S Malashetty, **Dr. Sanjay Pande M B**, International Journal of Scientific & Engineering Research (IJSER), ISSN 22129-5518 ,December 28, 2016
5. *Identity Based Proxy Re-encryption algorithm for Secure data sharing model* Naveen, **Dr.SanjayPande**, In Meeting cloud computing; International journal of Emerging Technology In Meeting Comprer Science and Electronics, Volume 23, Issue -08, November 2016, ISSN- 0976-1363
6. *EQ and IQ based classification of Intelligent Index(S-Quotient) usingKmeans”*, Mouneshachari S, **Dr. Sanjay Pande M B**, **Dr. T S SatyanarayanaRao**, in 6th IEEE International Advance Computing Conference (IACC-2016) on Feb 27th-28th February 2016, Organised and Conducted by SRKR Engineering College, Bheemavaram, Andra Pradesh, ISBN 978-1-4673-8285-4.
7. *Computing Correlation Model Between EQ (Emotional Quotient) and IQ (Intelligent Quotient)*, Mouneshachari S, **Dr. Sanjay Pande M B**, World Congress on Engineering and Computer Science 2016 (International Conference on Modeling, Simulation and Control 2016), San Francisco, USA, 19-21 October 2016, Published by IAENG, ISBN: 978-988-14047-1-8) (Accepted)

8. *Trusted Virtual domains toward secure distributed services In software-as-a-secure*, Naveen, **Dr. Sanjay Pande**, International journal of Emerging Technology In Meeting Comprer Science and Electronics, Volume 18, Issue - 02, November 2015, ISSN- 0976-1363
9. *Computing model for the Estimation of Correlation between EQ (Emotional Quotient) and IQ (Intelligent Quotient)*, Mouneshachari S, **Dr. Sanjay Pande M B**, in Delta 15.O (National Conference), held at GMIT, Davangere on 4th and 5th September 2015.
10. *An Automatic System for Facial Expression Classification by utilizing Artificial Intelligence Techniques*, GridharGowda, **Dr. M.B Sanjay Pande**; International Journal of Advanced Research in Computer Science and Applications ISSN 2321-872X, Impact Factor: 1.432, Volume 3, Issue 6, June 2015
11. *Dimensionality Reduction Using PCA and Neural Networks for Effective Face Recognition*; Shobha R. Patil, VaniChikkareddi, **Dr. M.B Sanjay Pande**; **Global** journal of mechanical Engg and Computational Science; ISSN: 2249 – 3468; {In Press}.
12. *Principal component Analysis a Survey*; Shobha R. Patil, **Dr. M.B Sanjay Pande**; International Journal(s): Journal Name: Global journal of mechanical Engg and Computational Science; ISSN : 2249 – 3468: Issue: September 2011 Vol. No. 1, Issue No.3, pp. 25-29.
13. *A Chaotic Encryption of images using PCA*; Shobha R. Patil, **Dr. M.B Sanjay Pande**, Global journal of mechanical Engg and Computational Science – ISSN: 2249 – 3468;
14. *Face Recognition using Principal component Analysis*; Shobha R. Patil, Vanichikkareddi, **Dr. M.B Sanjay Pande**; Global journal of mechanical Engg and Computational Science; ISSN: 2249 – 3468; Issue: September 2011 Vol. No. 1, Issue No.3, pp. 110-113.
15. *Dimensionality Reduction of Satellite images using Principal component Analysis*; Shobha R. Patil, **Dr. M.B Sanjay Pande**, International Journal of Communication Engineering Applications ISSN: 2230 –8529, Issue: September 2011 Vol. No. 1, Issue No.3, pp. 105-109.
16. *Mean – Variance parametric Model for the Classification based on Cries of Babies (pp. 84-88)*, Khalid Nazim S. A., **Dr. M.B Sanjay Pande**, IJCSIS May 2010 Issue (Vol. 8, No. 2).

17. *Extraction of Information from Images using Dewrapping Techniques (pp. 101-109)*, Khalid Nazim S. A., **Dr. M.B. Sanjay Pande**, *IJCSIS* November 2010 Issue (Vol. 8, No.8).
18. *Motion Blobs as a Feature for Detection on Smoke*, Khalid Nazim S. A., **Dr. M.B. Sanjay Pande**, *IJACSA* August Issue (Vol. 2, No.8).
19. *Featureless mosaicing of angile Document Images*, NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, *Journal of Intelligent learning systems and application* August 2011. ISSN:2150-8410.
20. *Visual Cryptography a method for hiding data in Images*, NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, *International Journal of Advances in Engineering and Technology*. Vol 1, Issue 3, July 2011.
21. *Mosaicing of Torn document images*, NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, *International Journal of Research &Reviess in Applied Sciences*. Vol. 7, issue 1, April 2011. Pp 25-31, ISSN: 2076-734x EISSN: 2076-7366
22. *Slant Transformation as a tool for pre-processing in image processing*,NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, *International Journal of Scientific & Engineering research* volume 2, issue 4, April 2011. Pp 1-8; ISSN: 2229-5518
23. *Processing of Images Based on Segmentation models for extracting textured component*, NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, *International Journal of Scientific & Engineering research* volume 2, issue 4, April 2011. Pp 1-8, ISSN: 2229-5518
24. *Extraction of Information from Images using Dewrapping Techniques*, Khalid Nazim S. A., **Dr. M. B. Sanjay Pande**, *International Journal of Computer Science and Information Security*, November issue (Vol. 8 No. 8), 2010.
25. *Mean – Variance parametric Model for the Classification based on Cries of Babies* Khalid Nazim S. A., **Dr. M. B. Sanjay Pande**, *International Journal of Computer Science and Information Security*, May 2010, Vol. 8 No. 2.
26. *An Algorithmic Approach to understand Trace Elemental Homeostasis in Serum Samples of Parkinson's disorder*; **Sanjay Pande MB**, Nagabhushan P\*, MurlidharHegde, JagannathaRao KS, SathyanarayanaRao TS, *Computers in Biology and Medicine*, 35, 2005,pp 475-493.
27. *Computer Ethics and Cyber Laws to Mental Health Professionals*; **Sanjay Pande MB** and RaveeshBN, *Indian Journal of Psychiatry*, Vol 46, No.2 99-103, April – June 2004.

28. *Criminal Information Systems: A Software package for Forensic Psychiatry*; **Sanjay Pande MB** and Raveesh BN, Indian Journal of Psychological Medicine; Vol 26, No 2, pp 19-23, 2003.
29. *Trace elements in the Cerebrospinal Fluid in Alzheimer's disease*, JagannathaRao KS\*, **Sanjay PandeMB**, ShanmugaveluP, Shankar K, Rukumini Devi, R.V. Rao and Rani Menon; Alzheimer's Reports, Research Report, Vol.2 No 6 1999:

### **C.2.II) Papers Communicated to Journals**

- *Emotion – is it a factor of parameter or relevance*, Mouneshachari S, **Dr. Sanjay Pande M B**, Dr. T S SatyanarayanaRao, International Journal of Transformative Emotional Intelligence, Texas, USA (communicated)
- A more Generic Similarity Measure for Supervised Matching; **Sanjay PandeM.B**, Nagabhushan P\*, JagannathaRao K.S. {*Informatics and Computer science Intelligent Systems Application; Elsevier; Amsterdam; Netherlands 2016*}
- An Algorithmic Model to understand Trace Elemental Homeostasis in Serum Samples of Parkinson Disease: A Challenge as a Diagnostic Tool; **SanjayPandeMB**, NagabhushanP, SathyanarayanaRao TS, JagannathaRao KS { International Journal of Bioinformatics 2016 }

### **C.2.III) International Paper / Abstract Presentations:**

1. EEG Artifact Detection Model: A Landmark Based Approach; Mouneshachari S, **Sanjay Pande M.B.**, RaveeshB.N., International Conference on advanced Computing and Intelligent Engineering, (ICACIE-2016) held during 21<sup>st</sup> – 23<sup>rd</sup> December 2016, organized by **Springer**& CV Raman College of Engineering, Bhubaneswar, India.
2. *Extraction of knowledge from multimedia data*; NagarajB.Patil, V.M. Vishwanath, **Dr.SanjayPande**. International conference on Computer Science and Information technology on 17<sup>th</sup> – 18<sup>th</sup> Sept 2010 R L J Institute of Technology, Doddaballapur. ISBN 978-81-920011-0-4 pp 179-181.
3. *Segmentation Technique used to get better efficiency on color Images*; NagarajB.Patil, V.M. Vishwanath, **Dr.SanjayPande.**, Conference on Evolutionary Trends in Information Technology. CETIT-2011 on 20<sup>th</sup>-22<sup>nd</sup> may 2011. Visvesvarya Technological University, Belgaum. Pp 121.
4. *Cognition Using Spiral Computed Tomography Images in Medicine*;, \***Sanjay Pande M.B.**, Raveesh BN , International conference on Cognition & Recognition, Dec 22 & 23, 2005, PES Mandya.

5. *Cognition tools for understanding Psychological Implications*, \*Raveesh B.N. **Sanjay Pande M.B.**, 8<sup>th</sup> World Congress of Biological Psychiatry June 28<sup>th</sup> to 3<sup>rd</sup> July, Vienna Austria.
6. *Neuropsychiatric manifestation of Skeletal fluorosis*, \***Sanjay Pande M.B.**, Raveesh BN, Water & Health, , Jan 2005, SCJE, Mysore.
7. *An algorithmic approach to understand affinity of a test sample to a class: a case study on (i) Fisher's Iris data set (ii) Cerebrospinal fluid samples of normal and Alzheimer's disease*; \***Sanjay Pande M.B.**, Nagabhushan P, Jagannatha Rao K.S., International Conference on Recent Trends and New Directions of Research In Cybernetics and Systems Theory, Jan 1<sup>st</sup> -3<sup>rd</sup>, 2004; Organizer: Institute of Advanced Study in Science and Technology; Jawahar Nagar, Khanapara, Guwahati India.
8. *Algorithmic model for affiliation analysis of neurological disorder: Case study: Serum samples of Parkinson's disorder*; **Sanjay Pande MB\***, Nagabhushan P, Murlidhar Hegde, Jagannatha Rao KS, Sathyanarayana Rao TS, Shama Sundar NM Conference on INDO-US symposium on "BRAIN RESEARCH": National Brain Research Council, 22<sup>nd</sup> – 24<sup>th</sup> Feb 2003; Organizer: National Brain Research Organization (an autonomous institute of department of biotechnology) Venue : INSA Delhi ,India
9. *An Algorithmic Model to understand Trace Elemental Homeostasis in Serum Samples of Parkinson Disease: A Challenge as a Diagnostic Tool* ; **Sanjay Pande MB\***, Nagabhushan P, Sathyanarayana Rao T S, Jagannatha Rao KS National Council for Biological Sciences NAB 2003, January 3<sup>rd</sup> -6<sup>th</sup>; Organizer : NCBS TIFR Bangalore, India ;
10. *A Study on sexual Practices in General Population*; Satyanarayana Rao TS, Vasumathy S Rao, RaghunathGuptha , Rajesh Raman , Gururaj Urs, Marutham P, Basavaraju M , **Sanjay Pande MB**; Program 15<sup>th</sup> World Congress of Sexology, June 24<sup>th</sup> – 28<sup>th</sup> 2001 in Paris ; Under World Association for Sexology , World Health Organization and French Ministry of Health; Organizer : Regimedia, Scientific Secretariat, Parisexo-Regimedia, 17 rue de seine- 92100 Boulogne.
11. *An Epidemiological study of Desire Disorders in Women*; Satyanarayana Rao TS, Vasumathy S Rao, RaghunathGuptha , Rajesh Raman , Gururaj Urs, Marutham P, Basavaraju M , **Sanjay Pande MB**; Program 15<sup>th</sup> World Congress of Sexology, June 24<sup>th</sup> – 28<sup>th</sup> 2001 in Paris ; Under World Association for Sexology , World Health Organization and French Ministry of Health; Organizer : Regimedia, Scientific Secretariat, Parisexo-Regimedia, 17 rue de seine- 92100 Boulogne.

12. *A Computational Model to understand Progression of Alzheimer's disease: a diagnostic approach*; **SanjayPande M.B\***, Nagabhushan P, JagannathaRao KS Abstract presented to the International Conference was selected: Neurotoxicity as a mechanism for degenerative disorders: Basic and Clinical Aspects, Pucon, Chile, March 16<sup>th</sup> –18<sup>th</sup> 2001; Organizer: Dr. Juan Segura-Aguilar, Programme of Molecular and Clinical Pharmacology, ICBM, Faculty of Medicine, Independencia 1027, and Casilla 70000 SANTIAGO – 7 CHILE.
13. *Computer model to understand trace elemental inter-relationships in cerebrospinal fluid of normal and Alzheimer's disease: a diagnostic approach*; **Sanjay Pande M.B\***, Nagabhushan P, JagannathaRao KS, Shankar SK : An abstract, and Attend the conference in London: The fourth keele meeting on aluminum 24<sup>th</sup> – 27<sup>th</sup> February 2001; Organizer Christopher Exley, Keele University, Staffordshire, STG United Kingdom; BIRCHALL CENTRE FOR INORGANIC CHEMISTRY AND MATERIALS SCIENCE
14. *Assessment of Mineral Quality of Drinking water in Fluoride rich rural areas in Ananthapur district of Andhra Pradesh and development of Fluoride Spot detection Kit for Rural area*; **SanjayPande M.B**, Anitha S, Pavithran M.V., Shanmugavelu P., JagannathaRao KS\* , Vishwanatha S., Vengamma B., Wilson G., R.V. Rao; International Workshop on Fluoride in Drinking Water: Strategies, Management & Mitigation at Bhopal (India) ,22<sup>nd</sup>-24<sup>th</sup> January 2001; Organizer: Government of Madhya Pradesh , Public Health Engineering Department
15. *Diagnostic Value of CSF Aluminum / Iron ratio in Alzheimer's disease*. **Sanjay Pande M.B\***, Nagabhushan P, JagannathaRao KS Organization: Alzheimer's disease International 15<sup>th</sup> International Conference. 16<sup>th</sup> -18<sup>th</sup> Sep 1999 Near Johannesburg South Africa:
16. *Application of ICP-AES in Trace Elemental Analysis of CSF in Normal and Alzheimer's patients – A Clinical Approach*, **Sanjay Pande M.B\***, Nagabhushan P, JagannathaRao KS Organization: Medical Science Journals – Alzheimer's Reports, The Mill, Milllane Linton Cambridgeshire CB1 6IY, and U K:
17. *Dimensionality Reduction on Feature Space of Trace Elements in the analysis of neurological disorders*. **Sanjay Pande M.B.**, NagabhushanP; The 6<sup>th</sup> International Conference on Cognitive Systems ICCS 2004, Dec 2004, New Delhi.

#### **C.2.IV) National/ Paper / Abstract Presentations&Others:**

1. A computing Model for understanding Matching Images using wavelets, A comparative Case study on IRIS, Ravi S Mallashetty, Dr. **Sanjay Pande M B**,  
Page 16 of 24



- Delta 15.0, A National Level Technical Fest, held during 4<sup>th</sup> & 5<sup>th</sup> September 2015, organized at GMIT, Davanagere
2. A computing Model for understanding the distribution pattern present in a Data set: A case Study on Kosi River data, Sushmitha GP, **Dr. Sanjay Pande M B**, Delta 15.0, A National Level Technical Fest, held during 4<sup>th</sup> & 5<sup>th</sup> September 2015, organized at GMIT, Davanagere
  3. Ensuring data storage security in cloud computing, Mahadevappa N, **Dr. Sanjay Pande M B**, Delta 15.0, A National Level Technical Fest, held during 4<sup>th</sup> & 5<sup>th</sup> September 2015, organized at GMIT, Davanagere
  4. *A pose Computing Model for Motion Estimation*, Suchithra MB, **Dr. Sanjay Pande M B**, Delta 15.0, A National Level Technical Fest, held during 4<sup>th</sup> & 5<sup>th</sup> September 2015, organized at GMIT, Davanagere
  5. *Computing model for the Estimation of Correlation between EQ (Emotional Quotient) and IQ (Intelligent Quotient)*, Mouneshachari S, **Dr. Sanjay Pande M B**, Delta 15.0, A National Level Technical Fest, held during 4<sup>th</sup> & 5<sup>th</sup> September 2015, organized at GMIT, Davanagere
  6. *Extraction of images using edges from multimedia data*, NagarajB.Patil, V.M. Vishwanath, **Dr. Sanjay Pande**, A national conference on Emerging trends in Engg. Technology & Application (NCETETA-2010) on 12<sup>th</sup> & 13<sup>th</sup> November 2010, ShirdiSai Engineering College, Bangalore. Pp.119-120.
  7. *Background subtraction techniques used in intelligent video servlet surveillance*, NagarajB.Patil, V.M. Vishwanath, **Dr.SanjayPande**.A national conference on emerging trends in Engg. Technology & Application (NCETETA-2010) on 12<sup>th</sup> & 13<sup>th</sup> November 2010, ShirdiSai Engineering College, Bangalore. Pp 170-174.
  8. *Classifying Infants Based On Cry: A Doyle's Mathematical Model*, Saraswathi, **Sanjay Pande MB**, at the National conference on Issues and Trends in Advanced Computing (NITAC-2010), to be Sathyamangalam held during 19 – 20 , March 2010 at Bannari Amman Institute of Technology – 638 401
  9. *A survey on Knowledge Mining.*, S.A.KhalidNazim, **Dr.SanjayPande M.B**, 6<sup>th</sup> & 7<sup>th</sup> Oct 2009, National Level Conference, TANTRAGNANA-2009, GSSSIETW, MYSORE
  10. *Vision Data Mining: An automated tool for Pattern Extraction*, Uday Shankar, **Dr.SanjayPande M.B.**, 6<sup>th</sup> & 7<sup>th</sup> Oct 2009, National Level Conference, TANTRAGNANA-2009, GSSSIETW, MYSORE
  11. *A parametric model for understanding a Disorder*, M.M.Vijetha, **Dr.SanjayPande M.B.**, **Archana M.R.**, Dr.Raveesh B.N., 6<sup>th</sup> & 7<sup>th</sup> Oct 2009, National Level Conference, TANTRAGNANA-2009, GSSSIETW, Mysore
  12. *Hand written Postal address Recognition System*, AmbalgiBheemashanker, S.R.Raikoti, **Dr Sanjay Pande MB**, 25<sup>th</sup> and 26<sup>th</sup> June 2009, National Conference On Recent Trends In Computer Science & Information Technology, Guru Nanak Dev Engineering College, Mailoor Road Bidar.
  13. *Automatic Cheque Processing System with Skilled Forgery Detection for Signatures*, Saraswati, S.R.Raikoti, **Dr Sanjay Pande MB**, , 25<sup>th</sup> and 26<sup>th</sup> June 2009 ,National Conference On Recent Trends In Computer Science & Information Technology, Guru Nanak Dev Engineering College, Mailoor Road Bidar

14. *Implementing Controller Section of CPU as Soft component*, Sharanbasappa S Korwar, S.R.Raikoti, **Dr Sanjay Pande MB**, 25<sup>th</sup> and 26<sup>th</sup> June 2009, National Conference On Recent Trends In Computer Science & Information Technology, Guru Nanak Dev Engineering College, Mailoor Road Bidar
15. *Application of Machine Vision for Industrial Automation*, Ramayashree, Srilakshmi, Thannamy, & Dr. **Sanjay Pande M.B.** 21<sup>st</sup> April 2009, Mandya
16. *Fingerprint Recognition with Pressure Sensing Technology*, Dr. **Sanjay Pande M.B.** & BramaPrakash, Conference March 5<sup>th</sup> & 6<sup>th</sup> March 2008, Organizer Department of Computer Science & Engg. RV college, Bangalore
17. *Knowledge Abstraction in Clinical Data warehouse*, Ashwin & **Sanjay Pande M.B.**, A National level conference on Recent Trends in *Information Technology for Rural development RTIT-2007*, on 9<sup>th</sup> -10<sup>th</sup> December 2007 organized by Department of Information Technology Shri Sant Gajanan Maharaj College of Engineering, held in Shegaon-444 203 Dist. Buldhana (M.S) (INDIA) Maharashtra.
18. *Rectangular path for Recognition of Braille Symbols*. Vidyashankar, **Sanjay Pande M.B.**, Hemantha Kumar G; *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore.
19. *Feature Extraction for Classification*; Rajkumar, **Sanjay Pande M.B.**, Archana MR; *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore.
20. *Tools for Pattern recognition and Image Processing*, **Sanjay Pande M.B.**, Satish Babu, *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore
21. *Weightage Factor Assignment for Classification*. Viveknanda, **Sanjay Pande M.B.**, Raveesh BN; *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore.
22. *Artificial Intelligence – Impact on Humanity*; S. Lakshmi, Hema Raveesh, Raveesh BN **Sanjay Pande M.B.**; *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore.
23. *Can it not be Possible !!!*, Divya Shetty S, Ramya Shree HR, Hema Raveesh, Raveesh BN **Sanjay Pande M.B.**; *TANTRAGNANA-2007* Conducted on 26<sup>th</sup> & 27<sup>th</sup> October 2007 held at G.S.S.S.I.E.T. for Women, Mysore Under CSISA, Association of Department of Computer Science and Engineering & Department of Information Science and Engineering, Mysore.
24. *Computational Model for Diagnostic assessment of Neurological Disorder (Parkinson's disease) through Similarity Analysis*. **Sanjay Pande**

- M.B.,**Nagabhushan P, JagannathaRao K.S. ; XXXVIII National Convention 2003, Computer Society of India, 11<sup>th</sup> -13<sup>th</sup>, 2003, Theme : Information, Computers and Telecommunications (ICT) for Prosperity of Mankind; Indian Institute of Technology New Delhi.
25. *Pattern Recognition and Image Processing in Dermatology: SanjayPande M B,*Nagabhushan P, Basavaraj K.H. Raveesh B N, JagannathaRao K S. 68<sup>th</sup> Annual Conference of IADV L K-T Branch May 8<sup>th</sup> -9<sup>th</sup>, 2004, DERMIS-04, Organizers: Mysore Dermatology Society, Mysore, Karnataka , India.
  26. *A novel Algorithmic Approach to understand Trace Elemental Homeostasis in support of Practically Viable Similarity – Dissimilarity Analysis in the Discrimination of Neurological Disorder:SanjayPande M B,* Nagabhushan P, SathyanarayanaRao T S, Raveesh B.N., Marutham, JagannathaRao K S; 56<sup>th</sup> Annual National conference of the Indian Psychiatric Society, (ANCIPS), 8<sup>th</sup> -11<sup>th</sup> Mysore, Karnataka , India.
  27. *e-mental health:SanjayPande M B,* Nagabhushan P, SathyanarayanaRao T S, Raveesh B.N., JagannathaRao K S; 56<sup>th</sup> Annual National conference of the Indian Psychiatric Society, (ANCIPS), 8<sup>th</sup> -11<sup>th</sup>, 2004, Mysore, Karnataka , India
  28. *Mathematical Dilemma in “Understanding Mental Health”:SanjayPande M.B,* Nagabhushan P, Marutham P., T. S. SathyanarayanaRao, JagannathaRao K.S., Annual Conference on Indian Concepts of Mental Health, 22<sup>nd</sup>-23<sup>rd</sup> Aug 2003. Organizer :Department Dept. of Psychiatry, JSS Medical College Hospital, Mysore 570004, India
  29. *An Algorithmic Approach to understand Trace Elemental Homeostasis in Serum Samples of Parkinson Disease; Sanjay Pande M.B.,* NagabhushanP,Muralidhar L. Hegde , T. S. SathyanarayanaRao, Vengamma B, JagannathaRao K.S.; Neuro Scientist Association 10<sup>th</sup> Annual Conference; 26<sup>th</sup> – 27<sup>th</sup> July 2003; ThurupathiAndra Pradesh, India.
  30. *Sample Identification based on Zonalization and Distribution to understand the Degree of Affinity towards Normal /Abnormal: A Case study on Diabetic Patients;SanjayPande M.B,* Nagabhushan P,T. S. SathyanarayanaRao, JagannathaRao K.S., BasvanaGowda. H.; Annual Conference of Association of Physicians of India, Karnataka Chapter, 9<sup>th</sup>-11<sup>th</sup> May 2003, Organizer: XXI KAPICON 2003, A.P.I. Mysore Chapter.
  31. *Analysis of Affiliation of a sample to a reference base through various distance computations, Sanjay Pande MB,* Nagabhushan P, JagannathaRao KS; Fourth National Conference on Recent Trends in Advanced Computing ; FEB 7<sup>th</sup> – 8<sup>th</sup>, 2003 NCRTAC ; Organizer : Dept. of Computer Science and Engg. ThirunelveliTamilnadu, India.
  32. *Data Mining as a Tool to Understand Sexual Disorders: A Case Study of 500 Women Samples. Sanjay Pande M.B,* Nagabhushan P, T S. SathyanarayanaRao, JagannathaRao KS, and Indian Psychiatric Society Conference Theme: Mind & Sex IPSOCON 2002 Nov 29<sup>th</sup>-30<sup>th</sup>& Dec 1 2002. Organizer: Indian Psychiatric Society Karnataka chapter. India

33. *Parametric analysis for the estimation of affiliation of a sample to reference base*, **SanjayPande M.B**, Nagabhushan P, JagannathaRao KS; National Conference on Scientific Applications and Information Technology November 22<sup>nd</sup> & 23<sup>rd</sup> 2002, Innovations 2002: Pune: Organizer: CSI-PUNE, India.
34. *An Epidemiological study of Desire Disorders in Women*; SatyanarayanaRaoTS, Vasumathy S Rao, RaghunathGuptha, Rajesh Raman, GururajUrs, Marutham P, Basavaraju M, **Sanjay Pande MB**; Annual Indian Psychiatric Society Conference; ANCIPS Jan 3<sup>th</sup> -5<sup>th</sup>, 2002.

#### **D. Teaching Experience**

SL. No.	Institute	Position Held	Year
1	G M Institute of Technology, Davangere	Professor	3 <sup>rd</sup> June 2017, onwards
2	Sampoorna Institute of Tech. & Research SITAR, Belakere, Channapatna-562160	Principal	1 <sup>st</sup> August 2016 - 31 <sup>st</sup> May 2017
3	G M Institute of Technology, Davangere	Professor & Head	2 <sup>nd</sup> Feb 2015 – 31 <sup>st</sup> July 2016
4	Sampoorna Institute of Tech. & Research SITAR, Belakere, Channapatna-562160	Dean & Professor	1 <sup>st</sup> August 2014 - 31-Jan2015
5	Sampoorna Institute of Tech. & Research SITAR, Belakere, Channapatna-562160	Principal	(After-noon) 21 <sup>st</sup> Nov 2012- 31 <sup>st</sup> July
6	VidyaVikas Institute of Engg. and Technology, Mysore	Professor & Head	18 <sup>th</sup> Forenoon of Nov 2010 - 21 <sup>st</sup> Nov 2012(Fore Noon)
7	GSSS Institute of Engineering for Technology for Women, Mysore	Professor & Head	August 2005 to Nov 18 <sup>th</sup> 2010.
8	Sri Jayachamarajendra College of Engineering, Mysore	Lecturer	March 2004 to July 2005
9	Department of Studies in Computer Science, ManasaGangothri, Mysore	Lecturer	Sep 2000 to February 2004
10	Mahajana Education Society @, Mysore MCA Course	Visiting Professor	July 1999 to Jan 2000
11	Mahajana Education Society @, Mysore Pre-University College	Lecturer	Jan 1999 to July 1999
12	National Institute of Engineering Mysore	Lecturer	October 1998 to Jan 1999
13	DharmaPrakashD.Banumaih's Science College	Lecturer	Sep 1997 to March 1998

**E. List of Seminars and Symposia attended in connection with research work of the project:**

1. Fingerprint Recognition with Pressure Sensing Technology, March 5<sup>th</sup> & 6<sup>th</sup> March 2008, Organizer Department of computer Science & Engg. RV college, Bangalore
2. 56<sup>th</sup> Annual National conference of the Indian Psychiatric Society, (ANCIPS), 8<sup>th</sup> - 11<sup>th</sup>, Mysore, Karnataka, India
3. Conference “Theme: A One day Event Where Knowledge & Stress are released” conducted on 2<sup>nd</sup> May 2007 held at G.S.S.S.I.E.T. for Women, Mysore under Department of Computer Science and Engineering, Mysore.
4. TANTRA GANANA 2005 on Oct-26 & 27 Conducted in G.S.S.S.I.E.T. for Women, Mysore Under Department of Computer Science and Engineering, Mysore
5. 68<sup>th</sup> Annual Conference of IADVL K-T Branch May 8<sup>th</sup> -9<sup>th</sup>, DERMIS-04, Organizers: Mysore Dermatology Society, Mysore, and Karnataka, India.
6. Annual Conference on Indian Concepts of Mental Health, 22<sup>nd</sup>-23<sup>rd</sup> Aug 2003. Organizer: Department Dept. of Psychiatry, JSS Medical College Hospital, Mysore 570004, India
7. Neuro Scientist Association 10<sup>th</sup> Annual Conference; 26<sup>th</sup> – 27<sup>th</sup> July 2003; Thurupathi Andhra Pradesh, India.
8. Second National Conference on Document Analysis and Recognition:[NCDAR-2003 12<sup>th</sup> and 13<sup>th</sup> July 2003; Organizers: Department of Computer Science and Engineering, P.E.S. College of Engineering, Mandya, Karnataka, India and Department of Studies in Computer Science, University of Mysore, Mysore.
9. Annual Conference of Association of Physicians of India, Karnataka Chapter, 9<sup>th</sup>-11<sup>th</sup> May 2003, Organizer: XXI KAPICON 2003, A.P.I. Mysore Chapter.
10. Fourth National Conference on Recent Trends in Advanced Computing; FEB 7<sup>th</sup> – 8<sup>th</sup>, 2003 NCRTAC; Organizer: Dept. of Computer Science and Engg. Thirunelveli Tamilnadu, India.
11. XXXVIII National Convention 2003, Computer Society of India, 11<sup>th</sup> -13<sup>th</sup>, 2003, Theme: Information, Computers and Telecommunications (ICT) for Prosperity of Mankind; Indian Institute of Technology New Delhi.
12. Symposium “Networks and Behavior 2003 “Jan 03-06 2003, under National Center of Biological sciences. TIFR, Bangalore, India
13. Indian Psychiatric Society South Zone Annual Conference Theme: Mind & Sex IPSOCON 2002 under the auspices of: Indian Psychiatric Society IPSOCON 2002 Nov 29-30 & Dec 1 2002, Karnataka chapter. India
14. National Conference on Scientific Applications and Information Technology November 22<sup>nd</sup> & 23<sup>rd</sup> 2002, Innovations 2002: Pune: Organizer: CSI-PUNE, India.
15. Annual Indian Psychiatric Society Conference; ANCIPS Jan 3<sup>th</sup> -5<sup>th</sup>, 2002.

16. International Conference on Medical Informatics, Nov 23-25 2001, Organizer: Information Technology Division, Institute of Public Enterprise; Osmania University Campus, Hyderabad, 500 007, India.
17. National Conference on Document Analysis and Recognition:[NCDAR-2001]13<sup>th</sup> and 14<sup>th</sup> July 2001; Organizers: Department of studies in Computer Science and Engineering, P.E.S. College of Engineering, Mandya , Karnataka, India.
18. UGC Sponsored National Conference To create awareness among youth in the field of computers and Information Technology; NCCIT-2001; 24-25 Sep 2001; Kilakarai, Tamilnadu.
19. Conference on INDO-US symposium on “BRAIN RESEARCH” Under the auspices of INDO-US science & technology forum Organizer: NBRC National Brain Research Organization (an autonomous institute of department of biotechnology), during Jan 12-16; 2001, Venue: INSA Delhi, India.
20. HIPC 7<sup>th</sup> international conference on High Performance on High Performance Computing. Bangalore, India, December 17-20, 2000.

**F. Guided Students (M Phil): Thirty-Five** students as on Oct 2013.

**G. Guided Students (Selected List only)**

1. **Ms.Sushmitha GP, Ms.Devika TR, Ms.Akshatha KR, Ms.Anju DR**, BE, An Algorithmic Model for Computing Flood Vulnerable Index. Case Study: KosiRiver,GM Institute of Technology, Davangere,2016.
2. **Ms.Shruthi G., Ms.Namitha M., Ms. Chandana V., Ms.ShwethaR.Prasad**, BE,Video Based Smoke Detection, GSSS Institute of Engineering &Technology, Mysore, 2009.
3. **Ms.Harshini A., Ms.Anupama S.,BE** ,Stegnography, GSSS Institute of Engineering & Technology , Mysore, 2009.
4. **Ms.Divya V., Ms. Shilpashree S., Ms.ArchanaS.Murthy,BE**, Graphamic Analysis of Language, GSSS Institute of Engineering & Technology, Mysore, 2009.
5. **Ms. Suchithra**, Graphamic Analysis of Language, BE, GSSS Institute of Engineering & Technology, Mysore, 2008.
6. **Ms.Chaitra S., Ms.Deepa P.B., Ms. SyedaMisba**, Quantization of Food products at CFTRI by Using Experts’ Knowledge, BE, GSSS Institute of Engineering &Technology, Mysore, 2008.

7. **Ms. Achala P, Ms Sara Shameem, Ms. SayedaUmera Almas & Ms. Sunitha Y P**, BE, Project Management System, Veriton Software Solutions, Mysore, 2007
8. **Ms. Ashwini S Kulkarni, Ms. Divya R, Ms. Preethi S and Ms. PriyankaPremkumar**, B.E, Computer Science &Engg. Decision Making From A Database Of Depressive Disorder (Mood-Disorder) Using Algorithmic ModelAcharaya Institute of Technology, Bangalore, 2006
9. **Mr. ShivaKumar G**, M.Tech , Skin Lesion Classification Using Image Processing Technique, Sri JayaChamarajendra College of Engineering, Mysore, 2005.
10. **Mr. Rajkumar**,M.Tech, Feature Extraction For Dataset Classification: A Case Study on Mood Disorder, Sri JayaChamarajendra College of Engg. Mysore 2005.
11. **Mr. Pridvi Raj MSBM**.Tech Algorithm for Classifying Signals related to Brain Functioning (EEG), Sri JayaChamarajendra College of Engineering, Mysore 2005.
12. **Mr. Pradeep S** MCA, Quantization as a tool for categorization of Samples [Mental Health Care], SriJayaChamarajendra College of Engineering, Mysore 2005.
13. **Mr. Arun Kumar VMS** MCA Order Management and order entry of an Online Document Management System, Sri JayaChamarajendra College of Engineering, Mysore 2005.
14. **Mr. Natraju YS** MCA Algorithmic Design Model as a Tool for Diagnosing, Patients, Sri JayaChamarajendra College of Engineering, Mysore 2005.

**H. Ambition: *To be Unique.***

Signature

**[Dr. SANJAY PANDE MB]**