DR.VEERABHADRAPPA, *M.Sc., Ph.D*
Associate Professor in Computer Science
University College, Mangalore – 575 001
Karnataka, India, Ph: 0824-2421484/2424760
E-mail: virabadrappa@gmail.com

Dr. Veerabhadrappa has obtained M.Sc. and Ph.D degrees in Computer Science from the University of Mysore, India, respectively in the years 1989 and 2011. Currently he is working as Associate Professor and Head of the Department of Computer Science. He served as IQAC (Internal Quality Assurance Cell) Coordinator of University College from 2017 t0 2020. He has authored 16 peer-reviewed papers in journals and conferences. He is the **reviewer of the Elsevier Journal of Neuro Computing and Pattern Recognition.** He has delivered many lectures at various workshops, seminars and conferences.

He is the member of various academic bodies of several universities and autonomous colleges.
His area of research are dimensionality reduction, face/object recognition and symbolic data analysis.

Research Work Minor research project	• **UGC Minor Research project of Rs.186,000/-sanctioned in March 2013.** • **Project Title:** *Dimensionality reduction using feature selection with symbolic approach* • **Project completed and submitted the report in April 2016.**
Invited Lectures Delivered	• Participated as **Resource person** in the two day national level workshop on **"Pattern Classifications- A Practitioners' Approach"** held at **Central University of Kerala, Kasargod** from 5-11-2014 to 6-11-2014 and delivered a lecture on Implementation of Dimensionality Reduction techniques. • Participated as **Resource person** in the two days national level workshop on "**Pattern Classifiers**" held at **Kuvempu University**, Jnanasahyadri, Shankaragatta on 28-03-2015 and deliver a lecture on Dimensionality Reduction in pattern classifiers. • Participated as **Resource person** in the five days Faculty Development Programme on machine Learning Techniques and Tools held at JSS Academy of Technical Education, JSSATE Campus, Bengaluru on 18-12-2018 and delivered a lecture on Dimensionality Reduction Techniques. • Participated as **Resource person** in one day National Seminar on Data Science held at MMK & SDM Mahila Maha Vidyalaya, Mysore on 25-01-2019 delivered a lecture on Feature Engineering.

	• Participated as **Resource person** in one day workshop on Choice Based Credit System for Bachelor Degree programmes in BCA, BSc-Computer Science, BCom-Comp.Applin and BA- Data Processing held at Canara College Mangalore on 05-07-2019. • Delivered a talk on "Natural Language Processing: Challenges and opportunities" in a National Level Webinar on "Artificial Intelligence and Machine Learning" at University College Mangalore on 03rd July 2020. • Participated as **Resource person** in the UGC sponsored two days workshop on " Machine Learning and Deployable Artificial Intelligence" held at Department of Computer Science, **Kuvempu University**, Jnanasahyadri, Shankaragatta on 29-03-2022 and delivered a lecture on Feature Engineering in Machine Learning.
Administrative Experience	• Worked as IQAC Coordinator from Feb 2017 to November 2020. • Worked as Flying Squad chief for the University Supplementary exam in the month of Aug 2016. • Worked as Coordinator of University Central Valuation for two semester exams (Nov/Dec 2015 and May/Jun 2016).
Curricular activities conducted	• **Self-learning Study material of Post Graduate Diploma in Information Technology course is prepared for the subject "*Analysis and Design of Information Systems*" of Karnataka State Open University (KSOU), Mysore.** • **Involved in conducting the IT fest organized by Science Association**
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Publications:

Journal Publications

1. Veerabhadrappa, Lalitha Rangarajan, "Diagonal and Secondary Diagonal Locality Preserving projection for object recognition", **Journal of Neurocomputing (Elsevier)**, Vol.73, No. (16-18), 3328-3333, 2010.

2. Veerabhadrappa, Lalitha Rangarajan, "Diagonal Locality Preserving projection as dimensionality reduction technique with application to face recognition", **International Journal of Computer Applications(IJCA) Special Issue on Recent Trends in Image Processing and Pattern Recognition, RTIPPR(3):5**, 135-140, August 2010.

3. Veerabhadrappa, Lalitha Rangarajan, "Bi-level dimensionality reduction methods using feature selection and feature extraction". **International Journal of Computer Applications (IJCA),** Vol.4, No.2, 33-38, July 2010.

4. Veerabhadrappa, Lalitha Rangarajan, "Multi-level dimensionality reduction methods using feature selection and feature extraction". **International Journal of Artificial Intelligence and Applications (IJAIA),** Vol.1 No.4, 54-68, October 2010.

5. Veerabhadrappa, Lalitha Rangarajan, B.H.Shekar, "$(2D)^2$LPP: A new dimensionality reduction technique with application to face/object representation and recognition" **International Journal of Systemic, Cybernetics and Informatics (IJSCI),** 17-22, April 2009.

6. Lalitha Rangarajan,Veerabhadrappa, "Dimensionality reduction through transformation of features into line segments", **International Journal of Recent Trends in Engineering and Technology (IJRTET),ACEEE,** Vol. 4, No. 2, 91-95, , November 2010.

7. Veerabhadrappa, Lalitha Rangarajan, Novel Dimensionality Reduction Method for Symbolic Data using Coefficient of Variation, **International Journal of Computer Systems(IJCS)-ISSN: 2394-1065, Volume 02– Issue 12,pp-530-536, December, 2015.**

8. Veerabhadrappa, Lalitha Rangarajan, Fusion of Feature Selection with Symbolic Approach for Dimensionality Reduction, **International Journal of Computer Systems (IJCS)-ISSN: 2394-1065, Volume 03– Issue 03, pp: 267-270, March, 2016.**

9. Veerabhadrappa, Dimensionality Reduction by Cascading Mutual Correlation with Symbolic Approach, **International Journal of Computer Applications (IJCA)-ISSN: 0975 – 8887, Volume 140 – No.7, pp: 5-8, April 2016.**

Conference Proceedings:

10. Veerabhadrappa, Lalitha Rangarajan, "Two Level Dimensionality Reduction for Multilevel Dimensional Data", **International Conference on Advanced Computing and Communication (ICACC07)**, Madhurai, Tamilnadu, pp No: 450-453, 2007.

11. Veerabhadrappa, Lalitha Rangarajan, B.H.Shekar," Alternate 2DLPP: A new dimensionality reduction technique for clustering"**, National Conference on Recent Trends in Information and Communication Technology (RTICT2008)**, Sathyamangalam Tamilnadu, pp: 240-244, 2008**.**

12. Veerabhadrappa, Lalitha Rangarajan, B.H.Shekar, "$(2D)^2$LPP: A new dimensionality reduction technique", **International Conference on Cognition and Recognition (ICCR 08),** Mysore, Karnataka, pp: 443-448, 2008**.**

13. Veerabhadrappa, Lalitha Rangarajan, B.H.Shekar, "Diagonal two dimensional Locality Preserving Projection for Clustering", **International Conference on Open Source Computing (INCOSC 08)**, Mangalore, Karnataka, pp: 162-167, 2008.

14. Veerabhadrappa, Lalitha Rangarajan, "Diagonal Locality Preserving Projection for face recognition**", National Seminar on Recent Trends in Image Processing and Pattern Recognition (RTIPPR 2010),** Bidar, Karnataka, Page No: 60-64 ,2010.

15. Chennamma.H.R, Lalitha Rangarajan, Veerabhadrappa, Face Identification from Manipulated Facial Images using SIFT**, Third International Conference on Emerging Trends in Engineering and Technology (ICETET 2010)**, Goa, pp: No: 192-195, 2010.

16. Veerabhadrappa, Lalitha Rangarajan, "Dimensionality Reduction based on Feature Quality Measure", First **International ACM Conference on Intelligent Interactive Technologies and Multimedia (IITM 2010),** pp: 35-38, Allahabad, 2010.

Seminars and Conferences:

- Organized one day workshop on "**Syllabus discussion of II B.Sc(Computer Science)** for Computer **Science Teachers**" at University College Mangalore on 10-10-1998.

- Attended one day workshop on "**Revision of** B.Sc (Computer Science) and Vocational Course (Computer Application) Syllabus" at St.Agnes College, Mangalore on 05/10/2000.

- Attended the Orientation course on **Theoretical Aspects of Computer Science** for College/University Teachers from South Asia held at **The Institute of Mathematical Sciences, Chennai** organized by I**nternational Institute of Software Technology, Macau**," from 15-10-2001 to 09-11-2001

- Attended **National Conference on Document** Analysis **and Recognition (NCDAR 2003)** held at PES College of Engg, Mandya from 11-07-2003 to 12-07-2003.

- Attended **International Conference on Cognition and Recognition (ICCR 05)** held at PES College of Engg, Mandya from 22-12-2005 to 23-12-2005.

- Attended **One day workshop on Advances in Image Processing"** held at NIE College, Mysore on 18-05-2006.

- Attended **International Symposium on Cognition and Recognition Technologies (ISCRT06)** held at PES School of Engg, Bangalore from 29-12-2006 to 30-12-2006.

- Attended **International conference on Signal and Image Processing (ICSIP- 2009)** held at Vidya Vikas Institute of Engineering & Technology, Mysore from 12-08-2009 to 14-08-2009.

- Attended **One day workshop on "Intellectual Property Rights"** held at Centre for Information Science & Technology (CIST), Manasagangothri, Mysore on 25-03-2011.

- Attended the 4th conference of Karnataka Science and Technology Academy held at Mangalore University campus on 28-01-2012 and 29-01-2012.

- Participated State level seminar on **CYBER CRIME** held at School of Social Work, Roshni Nilaya, Mangalore -2 on 14-09-2012.

- Participated National conference on Information Technology and its Implications on banking Sector: Challenges and Prospects held at University College, Mangalore from 17-4-2012 to 19-04-2012.

- Participated in four days workshop on Research Methodology held at Dept.of MBA, University College, Mangalore from 10-01-2013 to 13-01-2013.

- Participated in four days workshop on Research Methodology held at Dept.of MBA, University College, Mangalore from 20-01-2014 to 23-01-2014.

- National level seminar on Parallel & distributed Processing Techniques and Applications held at St.Pholomena College, Puttur, DK, Karnataka on 14-02-2014.

- Attended National level seminar on Women and Political Representation in India held at University College, Mangalore from 12-09-2014 to 13-09-2014.

- Participated in UGC Sponsored International Conference on Remote Sensing and GIS Applications on Coastal Management held on 16-17th February 2016 organized by the Dept.of Geography, University College, Mangalore-1.

- Participated in the four days' Workshop on Research Methodology held on 9-12th March 2016 organized by the Dept.of MBA(IB) and P.G.Dept of Studies in Commerce, University Evening College, Mangalore-1.

- Attended the seminar on "Gandhian Thoughts in Tune with the Times- Politics is a Sacred Mission" held at University College, Mangaluru on 17th March 2016.

Membership in Academic Organizations (BOE, Academic Council etc)

- Chairman, BOE in Computer Science (UG) in the year 2005, 2012.
- Chairman, BOE in BSc (Animation and Visual effects) in the year 2020.
- Member of BOE in Computer Science (UG) Mangalore University in the year 2002-2003,2004-06,2006-09,2016-2019, 2019-2022.
- Member of BOS and BOAE in Computer Science (UG) Mangalore University for the year 2004- 06, 2006-09, 2016-2019, 2019-2022.
- Member of BOS and BOAE in BSc in Animation and Visual Effects (UG) Mangalore University for the year 2022-25.
- Member of BOE in Computer Science (UG) Mysore University in the year 2008-09, 2011-12, 2014-15, 2019.
- Member of BOS in Communication and Information Technology course for Distance Education of Hampi University, Hampi from the year 2007-2010 and 2010-13.
- Member of BOE in Computer Science, Kannur University, Kerala in the year 2002-03 to 2005-06.
- Member of BOS in Computer Science (B.Sc) St.Aloysius College Mangalore (Autonomous College) for the year 2007-10 and 2013-15, 2015-2017, 2017-2019, 2019-2022.
- Member of BOS in Computer Applications (B.A/B.Com) Roshani Nilaya, Mangalore (Autonomous College) for the year 2007-10.
- Member of BOS in Computer Applications (BCA) St.Agnes College, Mangalore (Autonomous College) for the year 2013-15, 2015-2017, 2017-2019.
- Member of BOS in Somganaka shastra(Mahithi thanthajnana) of Karnataka Sanskrit University,Bangalore from October 2021.