



K.V.G. COLLEGE OF ENGINEERING

Kurunjibhag, Sullia, D.K.-574 327, Karnataka, INDIA
E-mail:office@kvengg.com website:www.kvengg.com

Department of Computer Science and Engineering

FACULTY PROFILE

| | | |
|---------------------|--|---|
| Name of the Faculty | Dr.UJWAL U J |  |
| Designation | Professor & Head | |
| Contact Numbers | Office: 08257-235241 Mobile:9448414141 | |
| E-mail ID | ujwalu@yahoo.com | |

• Educational Qualification

| Degree | Specialization | Year of Passing | College & University |
|--------|--|-----------------|---|
| Ph.D | Computer Science & Engineering - Data mining, Web mining and Cloud Computing | 2020 | Visvesvaraya Technological University, Belagavi |
| M.Tech | System Analysis & Computer Applications | 2009 | NITK, Surathkal Deemed University |
| MCA | Computer Science | 2001 | KVGCE, Sullia, VTU, Belagavi |
| PGDBC | Computer Science | 1997 | JSS, Mysore Mysore University |
| B. Sc | Computer Science | 1996 | St. Philomena College, Puttur, Mangalore University |

• Work Experience

| Teaching | Research | Industry |
|----------|----------|-----------|
| 21 Years | 5 years | 0.6 years |

• Date of Joining to the College

10th October 2001

| • In-HouseExperience | | | |
|---|--|---|------------|
| Designation | Duration | | Department |
| | From | To | |
| Professor & Head | 01-07-2015 | Till Date | CS&E |
| Assoc. Prof & Head | 27-02-2012 | 30-06-2015 | CS&E |
| Asst. Prof & Head | 01-08-2009 | 26-02-2012 | CS&E |
| Asst. Prof | 01-04-2005 | 31-07-2009 | MCA |
| Lecturer | 10-10-2001 | 31-03-2005 | MCA |
| • OutsideExperience | | | |
| Designation | Place | Duration | |
| | | From | To |
| Trainee | WIPRO Technologies, Bangalore | 08-04-2001 | 08-10-2001 |
| • Area ofInterest | | | |
| Data Mining | Web Mining | Cloud Computing | |
| • SubjectsTaught | | | |
| UG | | PG | |
| <ul style="list-style-type: none">– C-Programming– Distributed operating Systems– Data base management system– ProgrammingLanguages– Programming concepts and clanguages– Computerorganization– Data ware housing and data mining | <ul style="list-style-type: none">– DataMining– Datawarehousing– ComputerNetworks– Analysis and design of Algorithms– Management Information Systems– Digital ImageProcessing– Object orientedmodeling &design | <ul style="list-style-type: none">– CloudComputing– COBOL Programming Application– Business data processingwith COBOL– SystemProgramming– Artificialintelligence– System Modeling and simulation– Communication Management andEthics– DigitalElectronics | |
| • Membership in Professional Bodies/UniversityBodies/Organizations | | | |
| <ul style="list-style-type: none">• Member of Indian Society for Technical Education (MISTE):MISTE-58414• Life Time Member of Computer Society of India(CSI):01222222• Member of IEEE:92618338 | | | |

• Patents Received:02

| PatentID | Field of Invention | Title of the Patent | Date/ Year of Publication |
|--------------|-------------------------|--|---------------------------|
| 202111016924 | Bio-Medical Engineering | Internet of Things Sensor Based Smart andIntelligent Wheel Chair System | 16-04-2021 |
| 202141026147 | Electronics | Intelligent Video Monitoring System based on Deep Learning Techniques on AutomaticSurveillance | 02-07-2021 |

• Publications

| Book Chapters | National/International Journals | National/International Conferences |
|---------------|---------------------------------|------------------------------------|
| --- | 5/14 | 4/7 |

• Publications: InternationalJournals

1. *“Ensemble Learning Regression Models for Fatigue Life Estimation”*, Gally Proof: Indian Journal of Natural Sciences, ISSN: 9076 – 0997, Vol.13, Issue 71, April 2022.
2. *“Energy-Efficient Resource Allocation and Migration in Private Cloud Data Centre “*, Willey Hindawi: Wireless Communication and Mobile Computing, Vol 2022, ID: 3174716, 2022.
3. *“Semantic Segmentation for Areca nut Classification using Support Vector Machine “*, International Journal of Innovative Research in Computer and Communication Engineering, e- ISSN: 2320-9801, p- ISSN: 2320-9798, DOI:10.15680/IJRCCE.2022.1002039, Vol: 10, Issue: 2, Feb-2022.
4. *“Predictive Analysis of Sports Data using Google Prediction APP”*, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol.13, Issue 5-(2018), pp 2814-2816,2018.
5. *“Secured Hadoop Environment”*, in IRJET Journal Volume 5, Issue 6, June2018.
6. *“Hybrid HMM/ANN Models for improving Offline Handwriting Text Recognition”*, In Journal of Image Processing and Pattern Recognition Progress,Vol. 3, Issue 3, 2017.
7. *“Information Privacy and Security in Data Mining”*, In Journal of advances Database Management and system, Vol. 3, Issue3, 2017.
8. *“Ranking of Image Search by Click-Based Uniformity and Typicality”*, in Journal of Image Processing and Pattern Recognition Progress, Vol. 3, Issue 3,2017.
9. *“Data Security using Cloud Computing Adaption Framework”*, in Journal of Computer Technology & Application, Vol. 7, Issue 3,2017.
10. *“E-Commerce User Data Analysis and Product Recommendation Using Prediction”*, International Advanced Research Journal in Science Engineering and Technology, Vol. 3, Issue 9, September 2016.
11. *“Recommendation System Using Collaborative Filtering and Content Analysis in Web Usage Mining”*, International Journal on Computer Science and Information Technology, Vol. 4, Issue 2, Apr-June 2016.
12. *“A Survey on Data Mining and Cloud Computing”*, International Advanced Research Journal in Science, Engineering and Technology, Vol.3, Issue 5, May2016.
13. *“FPGA: Implementation of Association Rule in Web Usage Mining”*, International Journal of Engineering Research & Technology, Vol.3, Issue 4, April2014.

14. *"The Impact of Social Networking and Its Analysis"*, International Journal of Modern Engineering Research, Vol. 3, Issue 4 July-august-2013.
15. *"An Efficient discovery of comparable entities from the perspective of comparative question using Data mining"*, International Journal of Engineering Research & Technology.
16. *"A review on Brain disorder Segmentation in MR Images"*, International Journal of Modern Engineering Research, Vol. 3, Issue 4, July-August2013.
17. *"CellNuclearSegmentation-ADiagnosticToolinDetectionofBraineCancerUsingMicroscopicImage Analysis"*, Borneo Journal of Medical Science, Vol. 4, June 2011.
18. *"Single scan Partition Algorithm with Ladder Merging for Web Mining"*, International Journal on Computer Engineering and Information Technology, Vol. 1, Nov 2008- Jan2009.
19. *"Multiple Sclerosis lesion classification on MRI using ANN"*, International Journal on Computer Engineering and Information Technology, Vol. 1, NO 1, Nov 2008- Jan2009.

• Publications: National / International Conferences

1. *Automated classification of multiple sclerosis lesion using wavelet and texture based NN tool"*, National conference on Advanced IT, Engineering and Management (SACAIM-2013), AIMIT-CSIAIMIT, 2009.
2. *"AmericanSignLanguagesGestureRecognitionUsingHistogramEdgeDescriptorsandANN"*, National Conference Recent Trends in Computational Science and Engineering, 2011.
3. *"Efficient Mobility Tolerant Bandwidth Satisfied Multicast Trees in MANETS"*, National Conference Recent Trends in Computational Science and Engineering,2011.
4. *"Single scan Partition Algorithm with Ladder Merging for Web Mining"*, Proceedings of National Conference on research Challenges in Computation and InformationTechnology.
5. *"Efficient Binarization Technique for Handwritten Achieve of South Dravidian Tulu Script"*, International Conference on Emerging Research in Computing, Information, Communication and Applications,2016.
6. *"Haar features based Handwritten Character Recognition System for Tulu Script"*, International Conference on Recent Trends in Electronics information Communication Technology,2016.
7. *"Implementation of recommendation system in a web browser with the help of cloud mining"*, International Conference on Emerging research in Computing, Information, Communication and Application, 2015.
8. *"An Efficient discovery of comparable entities from the perspective of comparative questionusing text mining"*, TECHNOARETE, International conference, Bangalore.
9. *"Efficient Mobility Tolerant Bandwidth Satisfied Multicast Trees in MANETS"*, International Conference on Emerging Trends in Engineering.
10. *"Using Data Science Techniques and Approaches, a Systematic Study to Quantify Student Scholastic Progress PICCS2228"*, International Conference on Emerging Trends In Science And Technology (ETIST-2021), ISBN No: 978-81-953602-5-3, pp. 977-99, October 2021.
11. *"Haar and Sift Feature Learning Based Classifiers in Character Recognition Task"*, International Conference on Emerging Trends in Science and Technology, 2021.

12. “Detection of Single and Multi-Character Tulu Text Blocks”, IEEE, International Conference on Mobile Networks and Wireless Communications, 2021.

• **Faculty Development Programme (FDP) Participated**

| SL. No. | Program Title | Venue | Date & Year |
|---------|---|---|--|
| 1. | Robotic Process Automation | ICT Academy | 20 th to 30 th October 2021 |
| 2. | Digital Teaching Techniques | ICT Academy | 18 th to 23 rd January, 2021 |
| 3. | Deep Learning an Natural Language Processing using Modern Tools | Bangalore Institute of Technology | 21 st to 25 th July, 2020 |
| 4. | Research :Methodology , Process and Tools | Canara Engineering College, Benjanapadavu Mangalore | 18 th to 23 rd Jan ,2016 (06 Days) |
| 5. | Emerging Technologies in Data Mining and Wireless Sensor Networks | NITK, Surathkal | 21 st to 25 th July, 2008 (05 Days) |
| 6. | Faculty Development Program | KVGCE, Sullia | 2008 |

• **Workshops / Short-term Course Attended**

| SL. No. | Workshop Title | Place | Date & Year |
|---------|--|--|---|
| 1. | Decoding Recent Trends of Machine Learning & Artificial Intelligence | Nagarjuna College Of Engineering, Bangalore | 21 st to 25 th July, 2020 |
| 2. | Technologies for 5G | Siddaganga Institute of Technology, Tumakuru | 16 th July, 2020 |
| 3. | BITES Neural Networks and Applications | Canara Engineering College, Bantwal | 9 th February, 2013 |
| 4. | Intellectual Property and Innovation Management in Knowledge Era by NRDC and KVGCE | KVGCE, Sullia | 12 th November, 2013 |
| 5. | Object Oriented Analysis and Design using UML with essentials of Rational Software Architect | Seminar Hall, KVGCE, Sullia | 28 th to 31 st Jan, 2012 |

| | | | |
|-----|---|---|--|
| 6. | Data mining, data ware housing and businessintelligence | BITES and DSCE | 30 th Sept and 1 st Oct, 2011 |
| 7. | The latest Microsoft Technologies by Microsoft andBITES | Microsoft and BITES, Bangalore | February 2011 |
| 8. | Opportunities for sponsored Research and Collaboration with IT Industries | Seminar Hall, KVGCE, Sullia | 2009 |
| 9. | Signal Image and Speech Processing | NITK Surathkal | 8 th to 13 th Sept, 2008 (05 Days) |
| 10. | Mathematical Tools for Engineering Applications | Seminar Hall, KVGCE, Sullia | 13 th May2006 |
| 11. | Unified Modeling Language | Bangalore Institute of Technology, Bangalore | October 21 st 22 nd 2005(02Days) |
| 12. | SATITAS | Seminar Hall, KVGCE, Sullia | 2005 |
| 13. | The Eighth State level Convention of ISTE-Karnataka | Auditorium, KVGCE, Sullia | 2005 |
| 14. | Internal Audit FOR ISO 9001:2000 | Stellar Management Consultant Pvt. Limited, Bangalore | July 11 th 12 th ,2003 (02 Days) |
| 15. | WebSphere studio Application Developer v4.0.3 and WebSphere Server v4.0 | Vamana Institute of Technology, Bangalore | 23 rd Sept to 01 st Oct, 2002 (08Days) |
| 16. | Web Programming Using JAVA | SSI Ltd, Mangalore | 2000 |

| No. of Student ProjectsGuided | |
|-------------------------------|----|
| UG | PG |
| 22 | 15 |

| • Responsibilities Taken in DepartmentLevel | | | |
|---|--|----------|-----------|
| Event | Role | Duration | |
| | | From | To |
| Head Of the Department | Responsible for all Academic Affairs of the Department | 2009 | Till Date |
| “CENSA” Department Association | President | 2009 | Till Date |

| • Responsibilities Taken in CollegeLevel | | | |
|--|-------------------------------------|-----------|-----------|
| Position /Role | Event/Responsibility | Duration | |
| | | From | To |
| Chief Executive Officer | Administration | June 2022 | Till Date |
| Coordinator | Exam Coordinator | 2009 | Till Date |
| Coordinator | Maintenance of Computer Accessories | 2009 | Till Date |
| Chief Coordinator | “Thanthrajna” Technical fest | 2013 | 2014 |
| Editor | College Magazine | 2010 | 2011 |
| Committee Member | College Magazine | 2007 | 2008 |
| Committee Member | College Magazine | 2006 | 2007 |
| Committee Member | College Magazine | 2005 | 2006 |

| • Responsibilities taken in the University level | | | |
|--|--|-------------------|--|
| SL. No. | Event | Position/Role | Year |
| 1. | LIC Committee | Member | 2019-2020 |
| 2. | LIC Committee | Member | 2017-18 |
| 3. | Digital Valuation Center | Coordinator | 2016-2018 |
| 4. | Expert member for Science &Technology Mangalore University | Member | June 2017 |
| 5. | LIC Committee | Member | 2015-16 |
| 6. | LIC Committee | Member | 2014-15 |
| 7. | LIC Committee | Member | 2013-14 |
| 8. | External Examiner for CS&E related labs and Deputy Chief Superintendent, Mauritius | External Examiner | 3 rd to 16 th June, 2014 |

| • Participation details in the College levelevent | |
|---|--------------------------------------|
| Event | Position / Role |
| Alumni Meet 2018 | Committee Member |
| College Magazine-2011 | Editor |
| Anti-Ragging Committee | Committee Member |
| RTAM | Publicity Committee chairman |
| College Day Sports | Committee Member |
| Founder’s Day celebration | Chairman , Photo and video Committee |
| College Magazine-2007 | Committee Member |
| Student Internet World -04 | Awareness talk for school children |

• Interaction with Outside World / Invited Lectures

| SL. No. | Program | Venue and Organizer | Date |
|---------|--|--|------------------------------|
| 1 | Best Practices to Get NAAC Accreditation | KVG Dental College, Sullia | 2018 |
| 2 | Research talk on "Recent Trends in Clustering Approaches" Conducted under TEQIP | Shree Jayachamarajendra College of Engineering, Mysore | July 11 th , 2013 |
| 3 | Career Guidance & Self Confidence | KSS, Subramanya | 2006 |

• Awards / Recognition / Achievements /Others

1. Chief Guest for the annual day function at St. Philomena Aided high school, Puttur on 19th Dec 2018.
2. Appointed as External Deputy Chief Superintendent for Theory Examinations at JSS Academy of Technical Education, Mauritius from 3rd June 2014 to 16th June 2014.
3. Nominated as the Job fair representative (Suddi Habba Samithi) and delivered technical talk held in KVGCE Sullia on 27th and 28th November 2010.
4. Appointed as External Examiner for the conduct of Computer Science and Engineering related lab Examinations.
5. Won Awards for various sports and games like Kho-Kho, Kabaddi, Pole Vault, Chess, Cricket held at college and university level.
6. Nominated as National Software Expert in Global Information Technology of Overseas division on 14th February 2005.
7. Merit Scholarship in post-graduation MCA for Kodagu District on October 26th, 2002 by securing first prize bearing a cash award and Silver Salver.

**Dr. Ujwal U J, Professor and Head, Department of Computer Science & Engineering.
K.V.G. College Of Engineering, Sullia, D.K. -574327. [Reach me at ujwalu@yahoo.com](mailto:ujwalu@yahoo.com)**