FACULTY PROFILE

Name of the Faculty	**DR. BHAGYA JYOTHI K L**
Designation	**Associate Professor**
Contact Numbers	**Office:** **Mobile: 8147443358**
E-mail ID	**kl.bhagya@gmail.com**

- **Educational Qualification**

Degree	Specialization	Year of Passing	College & University
MCA	Computer Applications	2004	KVGCE, Sullia. Visveshwaraya Technological University, Belgaum.
MTech	Information Technology	2013	KSOU,Mysore
Ph.D	Video Processing	2023	SMVITM,Bantakal,VTU

- **Work Experience**

Teaching	Research	Industry
19	8	-

- **Date of Joining to this College**

23-08-2004

- **In-House Experience**

Designation	Duration		Department
	From	**To**	
Lecturer	23-08-2004	02/02/2009	MCA

Asst. Professor	02/02/2009	03/03/2012	ISE
Associate Professor	03/03/2012	Till date	CSE

• Area of Interest

Machine Learning	Image and Video Processing	J2EE	Pattern Recognition	Artificial Intelligence	Computer Architecture
Deep Learning					

• Subject Taught

- Object Oriented Programming with C++
- Systems Software
- Systems Simulation and Modeling
- Computer Organization
- Unix Programming

- Data structures using 'C'
- Programming with JAVA
- Data Mining
- ADA
- Advanced Algorithms
- Advanced Java and J2EE
- Basics of JAVA Programming

- Advanced Computer Architecture
- Object Oriented Concepts
- Artificial Intelligence
- Operating Systems
- Software Testing

• Membership in Professional Bodies/University Bodies/Organizations

Life Member of Indian Society for Technical Education(MISTE)-2008

• Publications

National / International Journals	National / International Conferences
4	5

• Patent Published

A Smart CNN Based System and Method for Classification And Grading of Areca Nuts

• Book Chapter Published

- Published a book chapter "AIoT and Deep Neural Network-Based Accelerators for Healthcare and Biomedical Applications." Energy Systems Design for Low-Power Computing, IGI Global, 2023. This publication is indexed in Scopus and Web of Science

• Publications : International Journals

- – "A Robust Method for Human Action Recognition in Video Streams using Skeleton Graph Based CNN" , ICTACT Journal on Image and Video Processing (IJIVP)-2022
- – Optimized Skeleton graph based CNN for Human Abnormal Detection in Video Streams. Sparkling light Transactions on Artificial Intelligence and Quantum Computing (STAIQC), 2(1), 7–16.
- – Deep Maxout Network for human action and abnormality detection using Chronological Poor and Rich Optimization, Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization. This journal is indexed in Scopus and Web of Science
- – "The web-based retail plaza" , International Journal Of Creative Research Thoughts – Volume 11 Issue 8 August 2023 , Date of Publication: 07-August-2023

• Publications : National / International Conferences

- – A Survey on Human Behavior Analysis and Classification in Real Video Streams NCSIP-2015 VCET,Puttur
- – A comprehensive study of Human Action Recognition in Video using Skeleton Graph Recent Innovations in Computer Science and Informatics RICI-2018,Trinity College,Tamilnadu
- – Presented a paper in International Conference ICETESM-2019, Ballari, Karnataka, 04-05 April 2019, "Human Behavior Detection in real-time video streams using Skeleton Graph".
- – "Chronological Poor and Rich Tunicate Swarm Algorithm integrated Deep Maxout Network for human action and abnormality detection" in the 2021 Fourth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2021)
- – "Skeleton Graph Based convolutional Neural Network for Human action recognition in Video Streams " Emerging Trends in Science and Technology –ETIST-2021 on 27 th October 2021

• Professional Activities: NPTEL Course

NPTEL (National Program on Technology Enhanced Learning)	Subject	Year of Certification	Result
	1. Big Data Computing	Feb-Apr 2019(8 weeks)	78%

• Faculty Development Programmes (FDP) Participated

SL. No.	Program Title	Venue	Date & Year
1.	FDP on Python	SJEC,Manglore	2017
2.	Faculty Development Program on Machine Learing	SJEC,Sullia	2018

3.	Research Challenges and Trends in Information Technology	Sahyadri College of Engineering and Management,Mangalore	4/08/20 to 8/08/2020
4.	Natural Language Processing	Reva University ,Bengaluru	30/06/20 to 4/07/20
5.	Insights on Writing Research Proposals and Funding opportunities	St Joseph Engineering College ,Mangalore	20/07/20 to 24/07/20
6.	Online Lecture Series on IoT and its Applications	Vidyavardhaka College of Engineering,Mysore	3/08/20 to 7/08/20
7.	National Level Workshop Organized by IEEE SU Student branch on "How to do good Research"	Srinivas University ,Mukka, Surathkal ,Manglore	19,20/02/2021 & 26,27/02/2021
8.	Introduction to Python Programming (Online Live FDP)	ICT Academy	29/03/2021 to 03/04/2021
9.	National Level Workshop Organized by IEEE SU Student branch on **"How to do good Research"**	Srinivas University ,Mukka, Surathkal ,Manglore	19,20/02/2021 & 26,27/02/2021
10.	Published institutions microsite during the train the trainer program on Creating the Microsite on Infosys Spring Board conducted by Infosys Limited	Infosys Spring Board	September 21 to September 23 ,2021
11.	Faculty Enablement Program(FEP) on Java Programming|	INFOSYS Limited	June 20 - June 25, 2022

- ## Workshops / Short-term Course Attended

SL. No.	Workshop Title	Place	Date & Year
1.	"Opportunities for Sponsored research and Collaboration with IT Industries" organized by BITES	KVGCE, Sullia.	2009
2.	Infosys Foundation Training Program	NMAIT,Nitte	2010
3.	IBM – DB2 Training	KVGCE, Sullia.	2011

4.	IBM – Rational Software Architecture	KVGCE, Sullia.	2012
5.	Work Shop on Robotics	KVGCE, Sullia.	2012
6.	Neural Networks and Machine Learning	MANGALORE UNIVERSITY	2013
7.	Workshop on Latex	KVGCE, Sullia.	2014
8.	Google Suit for Education	SJEC, Manglore	2017
9.	Mobile Application Development fundamentals	KVGCE, Sullia	2017
10.	Problem Solving techniques using Phython	KVGCE, Sullia	2017
11.	IEEE Tech Day -2018	SJEC, Manglore	2018
12.	Workshop on Java and PHP	KVGCE, Sullia	2018
13.	Workshop on Java and PHP	KVGCE, Sullia	2019
14.	Application of Statistics to Artificial Intelligence	Don Bosco Institute of Technology,Bengaluru	18/06/2020
15.	Security in Cloud Computing	East West College of Engineering, Bengaluru	10/08/2020.
16.	Moral Estimations of a Productive Member of Society	East West College of Engineering, Bengaluru	7/08/2020.
17.	The Potential for Artificial Intelligence in Healthcare	Shree Devi Institute of Technology Kenjar, mangaluru	30/06/20
18.	Artificial Intelligence and its applications	St Joseph Engineering College ,Mangalore	03/07/20
19.	Writing a Research Proposal	St Joseph Engineering College ,Mangalore	17/07/20
20.	Text Processing and its	Vidyavardhaka College of	21/08/ 2020.

Application	Engineering,Mysore	

• No. of Project Guided

UG	PG
8	60

• Responsibilities Taken in College Level

Event	Positions	Duration	
		From	To
MCA DEPT	In Charge Head	2009	2009
Infosys Foundation Program	Faculty	2007	2014
Alumni Association	MCA Dept Co-coordinator	2004	2019
EDUSAT	Co-coordinator	2009	2011
Wipro Mission10X	Member	2009	2014
NBA Criteria 2	coordinator	2018	Till date
Medical and First Aid	Member	2018	till date
College Magazine	Member	2016	2016
Training Students for Campus Interview member	Member	2016	2018
Orientation Programme for Freshers	Member	2017	2017
Time Table	Co-ordinator	2019	Till date
NBA Medical and First Aid Committee	Member	2019	Till date

• Responsibilities Taken in Department Level

Event	Role	Duration	
		From	To
DEPT	In Charge Head	2009	2009
SAMCA	Staff Advisor	2007	2016
Alumni	Department Coordinator	2004	2018
SAMCA	President	2009	2009
SAMCA	Library In charge	2005	2008
SAMCA	Treasurer	2009	2016
Test	Test coordinator-MCA	2014	2016
SAMCA-09	President	2009	2009
Effervescence-10	Quiz Committee Chairperson	2010	2010
SSTP	Member	2009	2016
PG-fest	Coordinator	2015	2015
CENSA activities	Committee member	2017	Till date
Language Lab	Coordinator	2017	Till date
Internship	Coordinator	2018	Till date
NBA criteria 2	Member	2018	Till date

- **Participation details in the college level event.**

SL .No.	Event	Position / Role
1.	Alumni Meet Publicity committee	Member
2.	Alumni Meet Registration Committee	Member
3.	NCRTCSE-2011	Registration Committee
4.	Science Talent Hunt for PU Students	Member
5.	Kannada Rajyotsava stage committee	Chairman
6.	College Day Stage Decoration	Member

Participation details in the Department level activities

SL .No.	Event	Role / Responsibilities
1.	Onam	Participant
2.	Teachers Day	Participant
3.	Notational technical fest –Thantrajna-16,17,18	Internal Judge

No. of Lab Manual / Program Guidelines Prepared

SL. No.	Lab manual / Guide lines Title	Semester and branch	Year
1.	Programming with C++ Advanced	III MCA	2008
2.	Java Programming Lab	IV MCA	2014
3.	Network Laboratories	V CSE	2022

No. of Labs handled for UG and PG

SL. No.	Subject	Year	Sem/Branch
1.	IT and Digital Lab	2009	I MCA
2.	Accountancy Lab	2009	I MCA
3.	Data structure Using C Lab	2011,2013	II MCA
4.	UNIX Lab	2011,2012,2009	II MCA
5.	System Software Lab	2009,2011,2013	III MCA
6.	OOPS with C++	2009,2012	III MCA
7.	OOMD Lab	2013	V MCA
8.	JAVA and J2EE Lab	2009,2010,2011,2012,2013	IV MCA
9.	Web Programming Lab	2013	IV MCA
10.	ADA Lab	2009,2010	IV MCA
11.	JAVA Lab	2012	III MCA
12.	MINI Project Lab	2010,2012,2013	IV MCA

13.	DAA LAB	2017,2018	IV CS&IS
14	COMPUTER NETWORK LAB	2017	V CS&IS
15	SS AND OS LAB	2018	VI CS
16	COMPUTER NETWORK LAB	2018	V CS&IS
17	Machine Learning Lab	2018	VII CS &IS
18	SS AND OS LAB	2019	VI CS
19	Internship	2019	VIII CS &IS
20	COMPUTER NETWORK LAB	2020	V CS&IS
21	SS AND OS LAB	2020	VI CS
22	SS AND OS LAB	2021	VI CS
23	Internship	2021	VIII CS &IS
24	COMPUTER NETWORK LAB	2021	V CS
25	SS AND OS LAB	2022	VI CS
26	Internship	2022	VIII CS
27	DAA Lab	2022	IV CS
27	Java Lab	2023	II CS and AIML
28	SS and OS Lab	2023	VI CS
29	Basics of JAVA Programming	2023	II CS

- **Interaction with Outside World /Invited Lectures**

Sl.No.	Program	Event and Organizer	Date
1.	Lab in Charge for student Internet World Program	KVGCE,Govt of Karnataka	26 th to 29 Oct 2005

- **Awards / Recognition / Achievements/ Others**

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