

# Dr. A. GEETHA KIRAN

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## EDUCATION CREDENTIALS

Degree/ Diploma	University/ Institution	State	Year
<b>Ph.D.</b> Computer Science and Technology	MIT, Mysore (University of Mysore)	<i>Karnataka State</i> ( <i>Thesis title: Automatic 3D view generation by estimating Depth from Uncalibrated 2D Image</i> Guide: Dr. Murali S)	December 2014
<b>M.Sc.(Engg) by Research</b> Image Processing	Malnad College of Engineering, Hassan (Affiliated to VTU)	<i>Karnataka State</i> ( <i>Thesis title: Parameter Samples based image Synthesis and Shaping</i> )	November 2008 First Class
<b>B.E.</b> Computer Science and Engineering	Malnad College of Engineering, Hassan (University of Mysore)	<i>Karnataka State</i> ( <i>Project Title: User friendly C Editor</i> )	September 1996 First Class

## WORK EXPERIENCE

**Professor 1997- Till date at Malnad College of Engineering, Hassan**

## ACADEMIC POSITIONS

Sl No	Position	College	Year
1.	Professor	M.C.E, Hassan	2015- till date
2.	Associate Professor	M.C.E, Hassan	2011-2015
3.	Assistant Professor	M.C.E, Hassan	2008-2011
4.	Senior Lecturer	M.C.E, Hassan	2003-2008
5.	Lecturer	M.C.E, Hassan	1997-2003

## ADMINISTRATIVE EXPERIENCE

University/Department	Position Held	Period	
		From	To
New Age Incubation Network	College Coordinator	March 2019	Till Date
Unnath Bharath Abhiyaan	College Coordinator	Sept 2018	Till Date
Industry Institute Interaction Cell	Director	Sept 2018	Till Date
Malnad Enclave for Research, Innovation, Incubation, StartUps and Entrepreneurship Malnad College of Engineering, Hassan	Co-ordinator	March 2018	Till Date
Visvesvaraya Technological University	Special Officer	Dec 2016	Jan 2018
Malnad College of Engineering, Hassan	Member, MCE Ladies Hostel	Sept 2016	Till date
Malnad College of Engineering, Hassan	Administrator	March 2015	Dec 2016
Malnad College of Engineering, Hassan	Prof. & Head, ISE Dept.	Feb 2015	Dec 2016
Malnad College of Engineering, Hassan	Warden	Sept 2011	March 2015

## PH.D SUPERVISION

Candidates Working for Doctoral Degree		
Year of Registration	Name of the Candidate	Title of the Ph.D. Topic
2015-16	Mr. H S Chandrashekar	Techniques for Early Detection of Oral Cancer by Suspicious Tissue Pattern Analysis
2015-16	Ms. B R Nanditha	Automatic Bleed Pattern Recognition and Segregation of Calcification Using Medical Imaging
2016-17	Ms. Anupama	Exploration of Image based View Synthesis
2017-18	Ms. Neethi	Fruit Crops Yield Estimation Using Machine Vision Techniques
2017-18	Mr. Vasanth Kumar N T	Automatic Panoramic view generation from images obtained by multiple cameras in real-time

## LIST OF PUBLICATIONS (*List Attached*)

International Journals	National Journals	International Conferences	National Conferences	TOTAL
05	--	12	04	<b>21</b>

## PROFESSIONAL MEMBERSHIPS

### Fellow: Institution of Engineers, India, Mysore Chapter (IEI)

Member number: F- 121980-0

Grade: Life Member

### Indian Society for Technical Education (ISTE)

Member number: LM26224

Grade: Life Member

### Computer Society of India (CSI)

Member number: L1505298

Grade: Life Member

## AWARDS AND HONOURS

- Awarded with “**Best Paper Award**” for the paper titled “**Instigating Research Culture at Institute level**” in 2<sup>nd</sup> International Conference on Sustainable Growth through Universal Practices in Science Technology & Management – 2018.
- “**State Cloud Champion Award**” in Cloud Literacy month 2018 in the “**Coordinator category**” held in the year 2018.

## CHAIRMANSHIP/MEMBERSHIP IN UNIVERSITY ACADEMIC BODIES, PG LEVEL (BOE/BOS)

Name of the Academic Body	Position	University/ Institute	Period	
			From	To
Academic Council	Invitee Member	MCE	2019	Till date
Local Inquiry Committee	Member	VTU	2018	Till date
Internal Quality Assessment Cell	Member	MCE	2018	Till date
Advisory Committee	Member	Maharaja Institute of Technology, Mysuru	2018	Till date
Ph.D. Regulations	Member Convener	VTU	2017	2018
ICT Initiative Yuva Yuva Program	Point of Contact	VTU, Belagavi	2016	Till Date
BoE( CS and Engg)	Member	NIE, Mysuru	2016	Till date
BOE (IT Programme)	Chairman	KSOU, Mysuru	2015	2015
BOE (C Sand Engg)	Member	PESCE, Mandya	2014	2015

## MEMORANDUM OF UNDERSTANDING WITH

- KASSIA (KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION)
- ICT ACADEMY
- AIC-JIT (ATAL INBUCATION CENTER – JYOTHI INSTITUTE OF TECHNOLOGY)

## INNOVATIONS IN, AND CONTRIBUTION TO, TEACHING

Kinds of Teaching-related Activities	Year	Nature of your Contribution
<i>a. Design of Curriculum</i>	2015-till date	As HOD of ISE Dept. at MCE (ATNMS-Programs)
<i>b. Teaching Methods</i>	Chalk and talk (before) / Power Point Presentations are used regularly (current).	
<i>c. Evaluation Methods</i>	Carried out as per university norms	
<i>d. Remedial Teaching/ Student</i>	2015-2016	Involved in handling the remedial classes for weaker section students - Semester End
<i>e. Transformation in Engineering Education</i>	2015-till date	Through innovative methods- Demo of algorithms using volunteers, Group and Individual Assignments, on-line Quiz, Mini-Projects

## WORKSHOPS/ FACULTY DEVELOPMENT PROGRAMS ATTENDED

Sl. No.	NATURE OF PROGRAMME	PERIOD		INSTITUTION
		FROM	TO	
1.	Curriculum Design for Industry needs	May 24, 2019	May 25, 2019	VVCE, Mysuru
2.	Bridge 2018	January 31, 2019		Le Meridian, Chennai
3.	Bridge 2018	September 26, 2018		Le Meridian, Bengaluru
4.	Advances in Deep Architectures for Signal, Image and Vision Applications	July 14, 2018	July 28, 2018	IIIT, Allahabad
5.	Patent Search Techniques	June 21, 2018	June 23, 2018	E&ICT Academy, Bengaluru in association with IIT,,Guwahati,
6.	Women in Higher Education	June 04, 2018	June 08, 2018	JSS Technical University, Mysuru
7.	Project Management	April 25, 2018	26 April, 2018	KSTA, DST, GoK, Bengaluru
8.	Machine Learning	Mar 12, 2018	Mar 17, 2018	E & ICT Academy NIT, Warangal

9.	Visual Object Recognition	Jan 15, 2018	Jan 19, 2018	Mangalore University
10.	Basic Programming using Python	Aug, 21, 2017	Aug, 23, 2017	VTU, Belagavi (FOSSEE, IIT Bombay)
11.	IUCEE-OBE Course	Aug, 2016	Dec, 2016	KLE Technological University
12.	Kalman Filter- Theory & Practice	Oct, 20,2016	Oct, 22,2016	MIT, Manipal
13.	Outcomes - Based Education	Aug. 02, 2015	Aug. 03, 2015	BMS College of Engineering, Bangalore
14.	Formulation, Modeling & Practical Applications of Operations Research	May 25, 2015	June 06, 2015	M.C.E, Hassan
15.	Effective teaching of a Technical Course	April 11, 2015	April 15, 2015	M.C.E, Hassan
16.	Exposure on MATLAB	Dec. 22, 2014	Jan 02, 2015	National Institute of Technical Teachers, Training and Research, Kolkata
17.	Latex and excel for Research-Hands on Sessions	Aug 02, 2013	Aug 07, 2013	BMS College of Engineering, Bangalore
18.	Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self-Assessment Report	July 11, 2013	July 13, 2013	M.C.E, Hassan
19.	Computational Intelligence - An Academic, Industrial and Social Perspective (AICTE sponsored)	May 30, 2013	June 12,2013	PSG College of Technology, Coimbatore
20.	DST - IUCEE Research Academy	March 18, 2013	Mar 20, 2013	C.R. Rao AIMSCS, UoH Campus, Gachibowli, Hyderabad
21.	Yogasanna - Pranayama Camp	March 04, 2013	Mar 08, 2013	M.C.E, Hassan
22.	Emerging Trends in Image and Video Processing	Jan 21, 2013	Jan 25, 2013	NMIT, Bangalore
23.	Researchers Conclave on Machine Learning & computational Intelligence	Sept. 07, 2012	Sept. 08, 2012	Adithya Institute of Technology
24.	Introduction to Research Methodologies	June 25, 2012	July 04, 2012	MIT, Mysore
25.	Multicore Programming	Jan 27, 2010	Jan 29, 2010	Intel Centre of Excellence, Bangalore
26.	Web Based Systems: Development and Applications	Jan 19, 2009	Jan 31, 2009	National Institute of Technology, Trichy
27.	Role of Teacher in Character Building and Personality Development	May 17, 2008	May 18, 2008	M.C.E, Hassan

28.	Challenges in Ph.D. & M.Sc. (Engg.) Research at Engineering Colleges	Feb 26, 2008	Feb 26, 2008	M.C.E, Hassan
29.	Adolescence and Parents	July 08, 2007	July 08, 2007	M.C.E, Hassan
30.	Theory & Practice of Data Mining	Feb 05,2007	Feb 07, 2007	NMAM Institute of Technology, Bangalore.
31.	Application Orientation in Engineering Mathematics & Mathematical Modeling	Dec 26, 2006	Dec 30, 2006	S.V. National Institute of Technology, Surat
32.	Quality in Education	Nov 16, 2006	Nov 17, 2006	NIMHANS, Bangalore
33.	Interpersonal Communications	Feb 13,2006	Feb 18, 2006	Indian Institute of Technology, Kharagpur
34.	G I S Applications	Oct. 08,2005	Oct. 08,2005	M.C.E, Hassan
35.	FEEL Teacher	Aug. 27, 2005	Aug. 31, 2005	M.C.E, Hassan
36.	C# Programming and NET Concepts	Aug. 04, 2005	Aug. 06, 2005	RV College of Engineering, Bangalore
37.	LLC103: Linux System & Network Administrator	July 18, 2005	July 21, 2005	Linux Learning Centre, Bangalore
38.	Automation through Document Processing and Image Processing (ISTE-AICTE – Short Term Training Programme)	Jan 10, 2005	Jan 22, 2005	PES College of Engineering, Mandya
39.	Advances in Neural Computing (ISTE- AICTE – Short Term Training Programme)	July 26, 1999	Aug. 07, 1999	SJCE, Mysuru
40.	Robotics for Industrial Applications (ISTE- AICTE – Short Term Training Programme)	March 15, 1999	March 27, 1999	M.C.E, Hassan
41.	Computer Training Programme for College Teachers (ISTE-AICTE – Short Term Training Programme)	June 16, 1997	June 28, 1997	Indian Institute of Science, Bangalore

## PARTICIPATION IN EXTENSION ACTIVITIES

Programme/Activities	Duration	Nature of Work	Beneficiaries and Outcome
Short course	6 <sup>th</sup> August 2018 to 8 <sup>th</sup> August 2018	Programming skill enhancement, Professional Reporting Tool introduction & Best Practices Sharing	Students of Jorhat Engineering College, Assam
Remedial Coaching	one year as faculty	Teaching of the course on: C Programming	Weaker section students attended and were given additional coaching.
Educational Societies	Since 1986 as member	Anti-ragging committee	We could make the campus 100% free from any type of the ragging

**RESOURCE PERSON IN REFRESHER COURSES/ORIENTATION PROGRAMME/ OTHER TRAINING PROGRAMMES**

<b>Month and Year</b>	<b>Institution</b>	<b>Nature of Programme/ Topic chosen for talk</b>	<b>Target Group</b>	<b>Remarks (Outcome)</b>
April 4, 2018	PDA, Gulbarga	Types of machine learning and classification techniques.	Faculty	Resource Person
Mar 30 -31, 2018	University of Mysore	Data Analytics & Learning 2018	International Conference participants	Session Chair
May 29, 2017	GSSSIT, Mysore	NCESC-2017	National Conference participants	Session Chair
Dec 14, 2017	KIT, Tiptur	Advances in Image Processing & Computer Vision Applications using Python	Faculty	Resource Person
March 25,2017	MCE, Hassan	Drawing the Right Work-Life balance for the Indian Woman	Women Participants	Panelist
March 18, 2017	NIE, Mysore	ISCCDA-2017	International Conference participants	Session Chair
Feb 27-28, 2017	HRIHE, Hassan	MS-Excel	MBA Students	Resource Person
Jan 16-17,2017	MCE, Hassan	Python Programming	Students of MCE, Hassan	Resource Person
Jan 10, 2016	CoE, Pune	ICTIEE -2016	International Conference participants	Keynote Speaker
Feb 29, 2016	NDRK Institute of Technology	Latex Internals	Students of EC and CS , NDRKIT, Hassan	Resource Person
Nov 03, 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Students of MCE, Hassan	Resource Person
June 22, 2015	Malnad College of Engineering, Hassan	Programming Foundation with C	Students of MCE, Hassan	Resource Person
April 07, 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Students of MCE, Hassan	Resource Person
March 19, 2015	Malnad College of Engineering, Hassan	Technical Document Typesetting with Latex	Faculty & Students of Dept. of E & I Engg. MCE, Hassan	Invited speaker

## ORGANIZATION OF PROGRAMMES (SEMINAR/WORKSHOPS, ETC.,)

Programme and Level (National, etc.,)	Date	Position Held	Remarks (Target group, Number, etc.,)
IDEATHON -19	27th May, 2019	Convener	Students
One day Colloquy on “Idea Generation to Incubation”	7th May, 2019	Coordinator	Students
Revit Architecture	9 <sup>th</sup> to 13 <sup>th</sup> April, 2019	Convener	Students of Civil Engineering
Visit to Incubation centre, Sahyadri Engineering college, Mangalore	1st April, 2019	Coordinator	Students and Faculty
Visit to MRPL, Mangalore	1st April, 2019	Coordinator	Students and Faculty
Inside the box	March/April	Coordinator	Students
Proof of Concept	23rd March, 2019	Coordinator	Students
Need for Technical Skills and Personality Development in Engineers	1st March, 2019	Coordinator	Students
Fusion 360	18th to 22nd Feb 2019	Coordinator	Students
Cloud Literacy Day	31st October 2018	Coordinator	Students
HACK.MCE	28, 29 & 30th October 2018	Coordinator	Students
IDEATION	13th October 2018	Coordinator	Students
A Visit to Entrepreneurial Establishments and Panel Discussion	17th September 2018	Coordinator	Students and Faculty
A seminar by The Princeton Review	29th August 2018	Coordinator	Students
Two days State Level Event on "MCE Learnathon and Supercoders"	01st and 02nd July 2018	Coordinator	Students
1 day awareness programme on “Empowering Entrepreneurship and Innovation”	30, April, 2018	Coordinator	Students and Faculty Members
2 day workshop on "Linear Algebra and It's Applications"	2-3 December 2016	Coordinator	ISE Students and Faculty Members
A Visit to Infosys	29, November 2016	Coordinator	ISE Students and Faculty Members
1 day workshop on “Online Courses for Improving Learning Outcomes”	26, September 2016	Coordinator	ISE Students and Faculty Members
1 day workshop on “Report writing and enhancing presentation skills”	23, August 2016	Coordinator	ISE Students and Faculty Members



A session on “Meditation programme at Dyana Mandira”	29, March 2016	Coordinator	ISE Students and Faculty Members
7 days workshop on "Object Oriented Programming with C++ "	11-17, January 2016	Coordinator	ISE Students and some Faculty Members
9 days workshop on "Java Programming Made Easy"	7-15, November 2015	Coordinator	ISE Students and some Faculty Members
1 day workshop on “Latex for Technical Report”	3, November 2015	Coordinator	ISE Students and some Faculty Members
1 day workshop on "Glimpse of Software Development Activities"	10, October 2015	Coordinator	ISE Students and some Faculty Members
10 days Certification Course on "Programming Foundation With C" during 22 <sup>nd</sup> June 2015 to 2 <sup>nd</sup> July 2015	22 <sup>nd</sup> June-02 <sup>nd</sup> July, 2015	Coordinator/Resource Person	10 <sup>th</sup> Standard, PUC, Diploma and interested students of MCE
1 day workshop on “Current Research Topics”	28, April 2015	Coordinator	ISE Students and some Faculty Members
INFINITY-16	21, April 2015	Coordinator	State level participants
INFINITY-15	21, April 2015	Coordinator	State level participants
1 day workshop on “Applications of Image Processing”	9, April 2015	Coordinator	ISE Students and some Faculty Members
1 day workshop on “Technical Report Writing using Latex”	7, April 2015	Coordinator	ISE Students and some Faculty Members
1 day workshop on “Communication Skills Made More Effective”	27, March 2015	Coordinator	ISE Students and some Faculty Members
3 days workshop on "Soft skills and Aptitude"	20-22, Oct.2014	Coordinator	Faculty of Engg. Colleges (60 members)
2 days workshop on “Tally Awareness Among Ministerial Staff of the College”	29-30, March 2008	Coordinator	Ministerial Staff M C E, Hassan (50 members)
3 days workshop on “Computer & Internet awareness for senior citizens	26-28, April 2007	Coordinator	Senior Citizens of Hassan district
2 days workshop on “Value Inculcation in Engineering education”	30th April-1st May, 2007	Organizing Committee member	Faculty of Engg. Colleges (60 members)
3 days workshop on “Internet Awareness among housewives” during 23 <sup>rd</sup> to 25 <sup>th</sup>	23- 25 , January 2007	Coordinator	For Home makers of Hassan district

January 2007 organized by department of TEQIP, MCE, Hassan.			
2 days workshop on “Confidence building and Personality development” for during 16th to 17th September 2006 at RIMSE, Mysore organized by department of T&P, MCE, Hassan.	16-17, Sept. 2006	Organizing Committee Member	Students of the college under Tribal development plan

### LIST OF PUBLICATIONS

International Journals	National Journals	International Conferences	National Conferences	TOTAL
05	--	12	04	<b>21</b>

#### ***International Journals:***

1. Inculcating Glocalization Culture in Young Graduands, *International Journal for Research in Engineering Application and Management*, Vol, 4, Special Issue ICSGUPTSM 2018(indexed in Thomson Reuters with an Impact factor 5.86).
2. Instigating Research culture at Institute Level, *International Journal for Research in Engineering Application and Management*, Vol, 4, Special Issue ICSGUPTSM 2018(indexed in Thomson Reuters with an Impact factor 5.86).
3. Estimating Intrinsic Parameter of Camera from a Single Image, *International Journal of Advances in Image Processing Techniques*, Vol 2, Issue 2, pp. 25-29, , October 2015.
4. Automatic Rectification of Perspective Distortion from a Single 2D Image, *International Journal of Computational Science and Applications*, Vol 3, Number 5, pp. 37-48, Oct, 2013, DOI:10.5121/ijcsa.2013.3506.
5. Automatic 3D view generation from a Single 2D Image for both Indoor and Outdoor Scenes, *International Journal of Computational Science and Applications*, Vol. 2, Number 6, August 2013, DOI: 10.5121/ijcsa.2013.3404.

## ***International Conferences / Symposium:***

1. Interdepartmental Student Projects – Challenges and Benefits, *Fifth International Conference in Transformations in Engineering Education, Noida, 5- 7 Jan, 2017.*
2. Online Courses as an Effective Self Study Component, *Fourth International Conference in Transformations in Engineering Education, Hyderabad, 6- 8 Jan, 2017.*
3. Train the Trainer – An Experiential way to Effective Teaching, *Fourth International Conference in Transformations in Engineering Education, Hyderabad, 6- 8 Jan, 2017.*
4. An Empirical Vision for Inspiring Students as a Core Driver to meet Global Challenges, *Fourth International Conference in Transformations in Engineering Education, Hyderabad, 6- 8 Jan., 2017.*
5. Tutoring junior Undergraduate Students by seniors in Engineering Courses, *Third International Conference on Transformations in Engineering Education, Pune, 8-12, Jan., 2016.*
6. Enhancing Programming Skills: An Activity based Approach, *Third International Conference on Transformations in Engineering Education, Pune, 8-12, Jan., 2016.*
7. Effective teaching through Programming Assignments *Third International Conference on Transformations in Engineering Education, Pune, 8-12, Jan., 2016.*
8. Estimating Intrinsic Parameter of Camera from a Single Image, *2<sup>nd</sup> International Conference on Advances in Computing, Control and Networking (ACCN'15), Bangkok, Thailand.*
9. Automatic hump detection and 3D view generation from a single Road image, *IEEE Proceedings, Second International Symposium on Women in Computing and Informatics (WCI – 2014), Delhi, India, 24-27 September 2014.*
10. V2 Walk-through a Stitched Image, *IEEE Proceedings, Fifth International Conference on Signal and Image Processing (ICSIP-2014), Bengaluru, India , January 8-10, 2014, pages 225-230, DOI:10.1109/ICSIP.2014.42*
11. Automatic Navigation through a Single 2D Image using Vanishing Point, *In Proceedings of the International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV'13, Las Vegas, Nevada, USA, July 22-25, 2013, pages 193-199, Vol 1- ISBN 1-60132-252-6.*
12. Automatic Video Generation Using Floor Segmentation from a Single 2D Image, *WSCG 2013 Conference on Computer Graphics, Visualization and Computer Vision, Plzen, Czech Republic, June 24-27, 2013, pages 1-4, ISBN 978-80-86943-76-3.*

## ***National Conferences / Symposium:***

1. Analysis of Synthesis of Facial Images using different orientations, *National conference on Recent trends in Information and communication Technology, Bannari Amman Institute of Technology, Sathyamangalam during 16-17, March 2008.*
2. A Tool for Video Water marking, *Proceedings of the 12th Annual Conference of Vigynana Parishad of India and National Symposium on Applications of Special Functions held during 25-27, October, 2007, at Jai Narayan Vyas University, Jodhpur, Rajasthan.*
3. Analysis of temporal Synchronization in video water marking, *National Symposium on Intelligent Data analysis and Pattern Discovery – 2007, Bannari Amman Institute of Technology, Sathyamangalam during 15-16 March 2007.*
4. Fuzzy Rule Based Facial Feature Extraction And Synthesis, *National conference on Communication Technologies (NCCT06), Mepco Schlenk College of Engg, Virudhnagar District, Tamilnadu during 10 –11 , March 2006.*