

# 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 Guide: Dr. Murali S)</i>	December 2014
<b>M.Sc.(Engg) by Research</b> Image Processing	Malnad College of Engineering, Hassan (Affiliated to VTU)	<i>Karnataka State (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 (~23 years)**

## ACADEMIC POSITIONS

SI 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	16 April 1997- September 2003

## ADMINISTRATIVE EXPERIENCE

University/Department	Position Held	Period	
		From	To
MHRD Innovation Cell	President	May 2020	Till Date
Malnad College of Engineering, Hassan	Prof. & Head, CSE Dept.	March 2020	Till Date

New Age Innovation 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

## AWARDS AND HONOURS

- **“Most Influential Educational Leadership Award”** for Excellence & Leadership in Education during July, 2020 by Golden AIM awards.
- **“Certificate of Appreciation”** from Superintendent of Police, Hassan, Karnataka State Police towards development of web-based application for monitoring quarantine persons of COVID-19.
- **“ICT Academy Partner’s In Growth Award”** for outstanding partnership and active participation in initiatives of ICT Academy in the year 2019.
- Felicitated by, **Visvesvaraya Technological University**, Belagavi in June 2018 for service rendered as **Special Officer**.
- 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.

## GRANTS RECEIVED/PROJECTS MENTORED

- Received **“Teqip Competitive Research Grant”** of Rs. **1.3 Lakh** for the proposal entitled **“Fruit Crop Yield Estimation Using machine Vision Techniques”** in collaboration with

Jyothi Institute of Technology, Bengaluru from Visvesvaraya Technological University, Belagavi in December 2019.

- Mentor for Innovative Project, “**Solar Buggy**” with a grant of **Rs. 3,00,000/-** from **New Age Innovation Network**, Govt. of Karnataka since November 2020.
- Mentor for Innovative Project, “**Solar Panel Cleaning Robot**” with a grant of **Rs. 1,00,000/-** from **New Age Innovation Network**, Govt. of Karnataka since November 2020.

#### **PATENT/COPYRIGHTS REGISTERED**

- **Dr. Geetha Kiran, Adarsh, Manoj Kumar, Copyright registered** - “**Leave management system for Police Department**” – Computer Software- Diary Number-3575/2021-CO-SW
- Dr. Geetha Kiran A & Dr. Harshavardhan Tiwari, **Copyright registered** - “**Yield Estimation of fruit crop**” – Computer Software- Diary Number-7289/2020-CO/SW -2020.
- Dr. Geetha Kiran A & Dr. Harshavardhan Tiwari & Neethi M. V., Patent Filed – “**Deep Mango Fruit yield estimation**” – Indian Patent Journal, 2020. Application number: 202041043720 (Under Process)

#### **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

##### **IEEE Professional Membership**

Member number: **92864644**

Grade: Senior Member

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

Name of the Academic Body	Position	University/ Institute	Period	
			From	To
BoE(CS and Engg.)	Chairman	MCE, Hassan	2020	Till Date
BoS( CS and Engg.)	Chairman	MCE, Hassan	2020	Till Date
Advisory Committee on Outside Collaborations of VTU	Member	VTU, Belagavi	2020	Till Date

Academic Council	Member	The National Institute of Engineering, Mysuru	2020	Till Date
Framing of IPR policy	Member	VTU, Belagavi	2019	Till Date
Advisory Committee on Outside Collaborations of VTU	Member	VTU, Belagavi	2019	2020
Academic Council	Member	M.V.J College of Engineering, Bengaluru	2019	Till date
BoS (CS& Engineering)	University Nominee	PES College of Engineering, Mandya	2019	Till date
Academic Council	Invitee Member	MCE	2019	Till date
Local Inquiry Committee	Member	VTU, Belagavi	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

## PH.D SUPERVISION

Candidates Working for Doctoral Degree		
Year of Registration	Name of the Candidate	Title of the Ph.D. Topic
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
2016-17	Ms. Anupama	Exploration of Image based View Synthesis
2015-16	Ms. B R Nanditha	Automatic Bleed Pattern Recognition and Segregation of Calcification Using Medical Imaging
2015-16	Mr. H S Chandrashekar	Techniques for Early Detection of Oral Cancer by Suspicious Tissue Pattern Analysis

## MEMORANDUM OF UNDERSTANDING WITH

- STEP ELECTRONICS PVT. LTD, BENGALURU
- KASSIA (KARNATAKA SMALL SCALE INDUSTRIES ASSOCIATION)
- ICT ACADEMY
- AIC-JIT (ATAL INBUCATION CENTER – JYOTHI INSTITUTE OF TECHNOLOGY)
- TECHMACHINERY LABS, BENGALURU
- AIEDGE TECHNOLOGIES, BENGALURU
- TEQUED LABS, BENGALURU

#### **PUBLICATIONS** (*List Attached*)

<b>International Journals</b>	<b>National Journals</b>	<b>International Conferences</b>	<b>National Conferences</b>	<b>TOTAL</b>
18	--	11	06	<b>35</b>

#### **ONLINE CERTIFICATION COURSES**

<b>Sl.No.</b>	<b>Title of the course</b>	<b>Platform</b>	<b>Offered by</b>	<b>Month &amp; Year</b>
1.	Digital Teaching Techniques	Gotomeeting	ICT Academy	July, 2020
2.	Artificial Intelligence	Webex	Online by AGIMUS Technologies	May, 2020
3.	Introduction to Machine Learning	Swayam	NPTEL	September, 2019
4.	Entrep101X: Entrepreneurial Opportunities	edX	AdelaideX, University of Adelaide	January 7, 2019
5.	Python	Coursera	Coursera	2016

#### **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>
December 26, 2020	P.A. College of Engineering, Mangalore	Applications of CV in agriculture	Faculty and student members of AICTE sponsored STTP on Machine Learning for Societal Applications	Invited Speaker
August 5, 2020	VTU, Belagavi	Exemplary practices in Teaching-Learning and Evaluation of Courses in	Faculty members	Distinguished Panel Expert

		Computer Science and Information Technology		
February 25, 2020	HRIHE, Hassan	Institution Innovation Cell	Students	Resource Person
January 09, 2020	GSSSIETW, Mysuru	Indirect Assessment	Faculty members of VTU TEQIP 1.3 sponsored FDP on OBE	Resource Person
November 15-17, 2019	University Transilvania din Brasov	5 <sup>th</sup> International Conference on Music Therapy, “The Power of Music and words”	International Conference participants	Speaker
August 1, 2019	KIT, Tiptur	Machine Learning	Faculty	Resource Person
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/STTP ETC.,)

Programme and Level (National, etc.,)	Date	Position Held	Remarks (Target group, Number, etc.,)
Faculty development programme on Introduction to Concept of Innovation	19 <sup>th</sup> – 20 <sup>th</sup> July, 2021	Convener	Faculty of MCE
Ideathon-21	19 <sup>th</sup> June, 2021	Convener	Students of MCE
E-STEP Bootcamp	26 <sup>th</sup> May, 2021	Convener	Students of MCE
Arduino Programming	5 <sup>th</sup> – 6 <sup>th</sup> March, 2021	Convener	Students of MCE
Specifications, Wiring and Protection of Electrical Appliances	18 <sup>th</sup> February, 2021	Convener	Students, faculty and technical staff of MCE
TechGeek Session	17 <sup>th</sup> February, 2021	Convener	1 <sup>st</sup> year students of MCE
ATAL Sponsored 5 day FDP on “Potential Research Avenues in Computer Science and Biology”	19 <sup>th</sup> January to 23 <sup>rd</sup> January 2021	Coordinator	Faculty members, research scholars across the nation
Innovators Life and Cross Road – Motivation Speak	16 <sup>th</sup> December, 2020	Convener	Students of MCE
My story- Entrepreneurs life and cross road	7 <sup>th</sup> September, 2020	Convener	Students across the state
Online Quizz (State level)	24 <sup>th</sup> May, 2020	Convener	Students across the state
Code – IT (State level Online)	24 <sup>th</sup> May, 2020	Convener	Students across the state
Ideathon 20 (State level Online)	14 <sup>th</sup> May, 2020	Convener	Students across the state
Hackathon Covid' 19 (State level Online)	12 <sup>th</sup> May, 2020	Convener	Students across the state
Mock Placement	11 <sup>th</sup> May, 2020	Convener	Students of MCE
B Plan Challenge for Women	7 <sup>th</sup> March, 2020	Convener	Students, Faculty, Researchers (Women) across the

			state
	Manthan 2020	27 <sup>th</sup> November, 2019	Coordinator Students around Hassan
Pragyatha '19 State level entrepreneurial fest	Workshop on Big Data	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convener Students across the state
	Workshop on Entrepreneurship	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convener Students across the state
	Workshop on CAD Softwares	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convener Students across the state
	Entorrophosis	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convener Students across the state
	Seed Grant	9 <sup>th</sup> November, 2019	Convener Students across the state
	Start-up Street	9 <sup>th</sup> November, 2019	Convener Students across the state
	Riise-athon	8 <sup>th</sup> and 9 <sup>th</sup> November, 2019	Convener Students across the state
	Cloud Literacy Day	31 <sup>st</sup> October, 2019	Convener Students
	Lateral Thinking	15 <sup>h</sup> October, 2019	Convener Students
	Outreach Programme	14 <sup>th</sup> October, 2019	Convener Students
	Ideathon 19	12 <sup>th</sup> , October 2019	Convener Students
	Capacity Building and Entrepreneurship Development	12 <sup>th</sup> , October 2019	Convener Students
	Boot Camp	14 <sup>th</sup> , September, 2019	Coordinator Students
	Salesforce Developer 402	9 <sup>th</sup> to 14 <sup>th</sup> September, 2019	Convener Students of ECE,EEE,CSE, ISE & E&I Engineering
	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	Convener 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	Convener 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
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

#### WORKSHOPS/ FACULTY DEVELOPMENT PROGRAMS ATTENDED

Sl. No.	NATURE OF PROGRAMME	PERIOD		INSTITUTION
		FROM	TO	
1.	AICTE Examination Reforms	23-04-2020	26-04-2020	Online FDP conducted KLE University
2.	Digital Transformation In Teaching Learning Process	06-04-2020	22-04-2020	TEQIP Online Certification, Sponsored by MHRD
3.	India Science Festival	11-01-2020	12-01-2020	IISER, Pune
4.	Orientation Programme under UBA	04-01-2020		Christ University, B'lore
5.	Smart City, IoT-based Technology	11-12-2019	13-12-2019	Mangaluru University
6.	Symposium on Collaborative Research	19-8-2019	20-8-2019	SPIU, Karnataka
7.	Internet of Things: Industry Trends	18-7-2019	19-7-2019	JIT, B'Lore
8.	Curriculum Design for Industry needs	May 24, 2019	May 25, 2019	VVCE, Mysuru
9.	Bridge 2018	January 31, 2019		Le Meridian, Chennai

10.	Bridge 2018	September 26, 2018		Le Meridian, Bengaluru
11.	Advances in Deep Architectures for Signal, Image and Vision Applications	July 14,2018	July 28, 2018	IIIT, Allahabad
12.	Patent Search Techniques	June 21, 2018	June 23, 2018	E&ICT Academy, Bengaluru in association with IIT, Guwahati,
13.	Women in Higher Education	June 04, 2018	June 08, 2018	JSS Technical University, Mysuru
14.	Project Management	April 25, 2018	26 April, 2018	KSTA, DST, GoK, Bengaluru
15.	Machine Learning	Mar 12, 2018	Mar 17, 2018	E & ICT Academy NIT, Warangal
16.	Visual Object Recognition	Jan 15, 2018	Jan 19, 2018	Mangalore University
17.	Basic Programming using Python	Aug, 21, 2017	Aug, 23, 2017	VTU, Belagavi (FOSSEE, IIT Bombay)
18.	IUCEE-OBE Course IUCEE-OBE Course	Aug, 2016	Dec, 2016	KLE Technological University
19.	Kalman Filter- Theory & Practice	Oct, 20,2016	Oct, 22,2016	MIT, Manipal
20.	Outcomes - Based Education	Aug. 02, 2015	Aug. 03, 2015	BMS College of Engineering, Bangalore
21.	Formulation, Modeling & Practical Applications of Operations Research	May 25, 2015	June 06, 2015	M.C.E, Hassan
22.	Effective teaching of a Technical Course	April 11, 2015	April 15, 2015	M.C.E, Hassan
23.	Exposure on MATLAB	Dec. 22, 2014	Jan 02, 2015	National Institute of Technical Teachers, Training and Research, Kolkata
24.	Latex and excel for Research-Hands on Sessions	Aug 02, 2013	Aug 07, 2013	BMS College of Engineering, Bangalore
25.	Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self-Assessment Report	July 11, 2013	July 13, 2013	M.C.E, Hassan
26.	Computational Intelligence – An Academic, Industrial and Social Perspective (AICTE sponsored)	May 30, 2013	June 12,2013	PSG College of Technology, Coimbatore
27.	DST – IUCEE Research Academy	March 18, 2013	Mar 20, 2013	C.R. Rao AIMSCS, UoH Campus, Gachibowli, Hyderabad

28.	Yogasanna – Pranayama Camp	March 04, 2013	Mar 08, 2013	M.C.E, Hassan
29.	Emerging Trends in Image and Video Processing	Jan 21, 2013	Jan 25, 2013	NMIT, Bangalore
30.	Researchers Conclave on Machine Learning & computational Intelligence	Sept. 07, 2012	Sept. 08, 2012	Adithya Institute of Technology
31.	Introduction to Research Methodologies	June 25, 2012	July 04, 2012	MIT, Mysore
32.	Multicore Programming	Jan 27, 2010	Jan 29, 2010	Intel Centre of Excellence, Bangalore
33.	Web Based Systems: Development and Applications	Jan 19, 2009	Jan 31, 2009	National Institute of Technology, Trichy
34.	Role of Teacher in Character Building and Personality Development	May 17, 2008	May 18, 2008	M.C.E, Hassan
35.	Challenges in Ph.D. & M.Sc. (Engg.) Research at Engineering Colleges	Feb 26, 2008	Feb 26, 2008	M.C.E, Hassan
36.	Adolescence and Parents	July 08, 2007	July 08, 2007	M.C.E, Hassan
37.	Theory & Practice of Data Mining	Feb 05, 2007	Feb 07, 2007	NMAM Institute of Technology, Bangalore.
38.	Application Orientation in Engineering Mathematics & Mathematical Modeling	Dec 26, 2006	Dec 30, 2006	S.V. National Institute of Technology, Surat
39.	Quality in Education	Nov 16, 2006	Nov 17, 2006	NIMHANS, Bangalore
40.	Interpersonal Communications	Feb 13, 2006	Feb 18, 2006	Indian Institute of Technology, Kharagpur
41.	G I S Applications	Oct. 08, 2005	Oct. 08, 2005	M.C.E, Hassan
42.	FEEL Teacher	Aug. 27, 2005	Aug. 31, 2005	M.C.E, Hassan
43.	C# Programming and NET Concepts	Aug. 04, 2005	Aug. 06, 2005	RV College of Engineering, Bangalore
44.	LLC103: Linux System & Network Administrator	July 18, 2005	July 21, 2005	Linux Learning Centre, Bangalore
45.	Automation through Document Processing and Image Processing (ISTE-AICTE – Short Term Training Programme)	Jan 10, 2005	Jan 22, 2005	PES College of Engineering, Mandya
46.	Advances in Neural Computing (ISTE-AICTE – Short Term Training Programme)	July 26, 1999	Aug. 07, 1999	SJCE, Mysuru
47.	Robotics for Industrial Applications (ISTE-AICTE – Short Term Training Programme)	March 15, 1999	March 27, 1999	M.C.E, Hassan
48.	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

## INNOVATIONS 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). 2018-19 – Course Project for the course Python Programming which has led to the development of innovative projects/prototypes. 2019-20 – Course Project for the course Digital Image Processing (on going)
<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

## LIST OF PUBLICATIONS

International Journals	National Journals	International Conferences	National Conferences	TOTAL
18	--	11	06	<b>35</b>

### *International Journals:*

1. An Ensemble Deep Neural Network Approach for Oral Cancer, *International Journal of Online and Biomedical Engineering*, 2020 (accepted & in press).
2. Oral Malignancy Detection Using Color Features from Digital True Color Images, *International Journal of Online and Biomedical Engineering*, Vol. 6, No. 14, pp. 95-106, 2020.
3. Student Centric Pragmatic Approach to Impart Concepts of Python Applications Programming, *Journal of Engineering Education Transformations*, Vol. 34, No. 1, pp. 52-60, July 2020.
4. The Significance of Melody in Music Therapy, *Bulletin of the Transilvania University of Braşov, Series VIII: Performing Arts*, Vol. 13 (62) No. 1 – 2020.
5. Folk Music: An integral part of everyday life in Southern Karnataka, *Bulletin of the Transilvania University of Braşov, Series VIII: Performing Arts*, Vol. 13 (62) No. 1 – 2020.
6. 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).
7. 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).
8. Inter-Departmental Student Projects- Challenges and Benefits, *Journal of Engineering Education Transformations*, Special Issue Jan. 2018, eISSN 2394-1707. (Scopus indexed)
9. Introducing Programming using “Scratch” and “Greenfoot”, *Journal of Engineering Education Transformations; Special Issue, 2018. (Scopus indexed).*
10. Effective Tutoring with Senior Students' Assistance, *Journal of Engineering Education Transformations; Volume 31, Issue 3, January 2018(Scopus indexed).*
11. A Practical Approach to Make Computer Laboratory Courses more Effective and Interesting through Student Mentoring, *Journal of Engineering Education Transformations; Volume 31, Issue 1, July 2017.*
12. Train the Trainer - An Experiential way to Effective Teaching, *Journal of Engineering Education Transformations; Volume 30, Issue 3, January 2017*
13. An Empirical Vision for Inspiring Students as a Core Driver to meet Global Challenges, *Journal of Engineering Education Transformations; Volume 30, Issue 3, January 2017*
14. Tutoring junior Undergraduate Students by seniors in Engineering Courses, *Journal of Engineering Education Transformations; Volume 30, Issue 2, October 2016*
15. Effective Teaching through Programming Assignments, *Journal of Engineering Education Transformations; Special Issue, 2016*

16. 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.
17. 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.
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### ***International Conferences / Symposium:***

1. Texture Analysis of color oral images for lesion detection, *International Conference on Computational Performance Evaluation (ComPE)* during July 2-4, 2020, Shillong, Meghalaya, India.
2. Yield estimation in mango orchards using machine vision, *International Conference on Computational Sciences - Modelling, Computing and Soft Computing (CSMCS -2020)* during March 26-29, 2020, National Institute of Technology Calicut, Kerala India.
3. Mango Tree Data-set for Yield Estimation- Some Exploratory Analysis, *International Conference on Applied Mathematics and Computational Intelligence (ICAMCI- 2020)*, during March 19-20, 2020, National Institute of Technology, Agartala.
4. Online Courses as an Effective Self-Study Component, *Fourth International Conference in Transformations in Engineering Education*, Hyderabad, 6- 8 Jan, 2017.
5. Enhancing Programming Skills: An Activity based Approach, *Third International Conference on Transformations in Engineering Education*, Pune, 8-12, Jan., 2016.
6. Effective teaching through Programming Assignments *Third International Conference on Transformations in Engineering Education*, Pune, 8-12, Jan., 2016.
7. 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.
8. 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.
9. 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

10. 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.
11. 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. Predicting life span of aircraft engine using LSTM, *National conference Innovative Research Advances in Engineering Applications and processes*, Jyothy Institute of Technology, Bengaluru, 28 August, 2020.
2. Rapid communication to customers evading deception at ATM, *National conference Innovative Research Advances in Engineering Applications and processes*, Jyothy Institute of Technology, Bengaluru, 28 August, 2020.
3. 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.
4. 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.*
5. 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.
6. 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.