

# Dr. Geetha Kiran A

CEO, ME-RIISE FOUNDATION

+91-9448179074

geethaamk@gmail.com



## Core Competencies

Strategic Planning and Execution

Project / Product Management

Learning and Development

Instructional Design

Education Management

Academic and Technical Writing

Computer Science and Engineering

Stakeholder Management

Team Building and Leadership

Entrepreneurial Skills



## EDUCATION

- 2014: Ph.D. in **Computer Science and Technology** from University of Mysore
- 2008: M.Sc.( Engg.) by Research in **Image Processing** from VTU
- 1996: B.E. **Computer Science and Engineering** from University of Mysore



## Technical Skills

- Computer Vision
- Image Processing
- Medical Image Processing
- Machine Learning



## PERSONAL DETAILS

### Date of Birth:

25/10/1974

### Languages Known:

Kannada, English, Hindi

### Address:

“SANGAMA”

Near MCE Ganapathi Temple  
Behind M G Road, Vidya Nagar  
Hassan - 573202



## ACCOMPLISHMENTS

### Academic Activities at Institute Level

- 26 years of experience in teaching, tutoring and research.

- Expertise** in evaluating curriculum, instructional design, innovative teaching methods, setting educational standards and goals, adhering to educational quality management systems.
- Proficient** in training the students using interactive discussions and “hands-on” approaches to help students learn and get a better understanding of the concerned subject.
- Capable** in identifying and resolving problems, ramping up departmental and institution activities.
- Resolute and committed** in contributing to R and D through funds from funding agencies, research articles, patents and copyrights.

### Administration Activities at Institute Level

- Instigated the **development of entrepreneurial ecosystem** in education industry leading to innovation and startups through a new venture – **ME-RIISE (Malnad Enclave for Research, Innovation, Incubation, Startups and Entrepreneurship)** in 2018.
- Instrumental in making **ME-RIISE** a registered **SECTION 8 Company**- a first of it's kind in the institution – **ME RIISE FOUNDATION** in 2022
- Initiated **Centralized Research Centre laboratory** to carry out research and innovation activities in 2019.
- Brought in **Community Oriented Service** into institution through **Unnat Bharat Abhiyaan** by adopting 5 villages in Hassan district during 2019.
- Carried out innovation activities, leading into project funding from **New Age Innovation Network (NAIN), GoK** during 2019-2020.
- Collaboration with **ATAL Incubation Centre – Jyothy Institute of Technology**, Bengaluru for **promoting R&D activities** in 2019.
- Partnered with **ICT Academy** for bridging Industry and Academia.
- Instrumental in successfully establishing **Institution's Innovation Council – An MHRD initiative in 2020 and fostering 4/5 stars in 2022**
- Innovation activities led to the achievement of placing the institution at the **“PERFORMER BAND”** in **Atal Ranking of Institution's Innovation Achievements (ARIIA) in the year 2022.**
- Played a crucial role in elevating Institution in the rank band of **101-150 in NIRF INNOVATION CATEGORY in 2023.**
- Through ME-RIISE **supporting the student community** to become **Job Generators than Job seekers.**
- Outside collaborations** through **MoU's** leading to innovative projects, publications, copyrights and patents.
- Initiated and involved** in establishing **Business Incubator** under **MSME.**
- Initiated MICRO ENGINEERING CERTIFICATION PROGRAM**

- **Setting up of laboratories** in alignment with current industry needs.

## ● **Administration Experience at University Level – Special Officer**

### **Instrumental in**

- Reframing VTU Ph.D. 2017 regulations.
- Framing Jnana Yaana guidelines for offering scholarship for research scholars.
- Policy making for appreciating Innovative projects of final year students.
- Developing software for Ph.D. section

## ● **Experience at ME-RIISE Foundation – Director & CEO**

### **Instrumental in**

- Framing ME-RIISE policy and guidelines for startup ecosystem at ME-RIISE FOUNDATION.
- Framing of IPR Policy for ME-RIISE FOUNDATION.
- Business Plan formulation and implementation for operation of ME-RIISE FOUNDATION.

## **ASPIRATIONS**

- To build an INSTITUTION OF EXCELLENCE that imparts humanitarian values and fosters technology through strong tie-up with Industry and Community.
- Create a dynamic learning space through international collaborations
- Establish globally renowned Center of Excellence in Engineering and Technology
- Instill spirit of entrepreneurship in young minds.



## **MILESTONES and ACHIEVEMENTS**

- **“Certificate of Appreciation”** from Malnad College of Engineering towards attaining patents and copyrights, 2023.
- **“Certificate of Appreciation”** from Abhyuday, IIT Bombay towards selfless dedication and support in organizing Placement Preparation Program, 2022.
- **Founder Director** of **“ME-RIISE FOUNDATION”** a section 8 company for the promotion of social innovation and entrepreneurship in the institute.
- **Founder Director** of **“CHATHUR PRAVARTHAN PVT. LIMITED”**, a company under ME-RIISE FOUNDATION.
- **“Certificate of Appreciation”** from Superintendent of Police, Hassan, Karnataka State Police towards development of Leave application for police department in 2020.
- **“Most Influential Educational Leadership Award”** for Excellence and 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 in 2020.
- **“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 2nd International Conference on Sustainable Growth through Universal Practices in Science Technology and Management – 2018.
- **“State Cloud Champion Award”** in Cloud Literacy month 2018 in the **“Coordinator category”** held in the year 2018.

## **WORK EXPERIENCE (26 years) – Currently serving as Professor and Head of CSE**

**2015 – Till Date with Malnad College of Engineering, Hassan as Professor**

**2011 – 2015 with Malnad College of Engineering, Hassan as Associate Professor**

**2008 – 2011 with Malnad College of Engineering, Hassan as Assistant Professor**

**2003 – 2008 with Malnad College of Engineering, Hassan as Senior Lecturer**

**1997– 2003 with Malnad College of Engineering, Hassan as Lecturer**

- **Dr. Geetha Kiran A** and Dr. Harshavardhan Tiwari and Neethi M. V., **Patent Published- “Deep Mango Fruit yield Estimation”** – Indian Patent Journal, 2020. Application number: 202041043720 (Published – 8<sup>th</sup> April, 2022).
- **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** and Dr. Harshavardhan Tiwari, **Copyright registered - “Yield Estimation of fruit crop”** – Computer Software- Diary Number-7289/2020-CO/SW -2020.

**GRANTS RECEIVED/PROJECTS MENTORED**

- **Instrumental in receiving OPEX funds of Rs. 10 lakhs** from New Age Innovation Network, Govt. of Karnataka during December, 2022 **(Outcome – Innovative Projects)**
- **Instrumental in signing extended MoU with KITS, New Age Innovation Network, Govt. of Karnataka for 2 years** from August 2022 to 2024 **(Outcome – Innovation & Product Development)**
- Received **“VTU Research Grant” of Rs. 7.00/- Lakh** for the proposal entitled **“A Machine Learning Based Decision Support system for Early Detection of Cardio Vascular Disease in the region of Rural Karnataka”** in collaboration with Jyothi Institute of Technology, Bengaluru from Visvesvaraya Technological University, Belagavi in February, 2022.
- **Instrumental in receiving OPEX funds of Rs. 10 lakhs** from New Age Innovation Network, Govt. of Karnataka during November 2020 **(Outcome – Innovative Projects)**
- **Instrumental in receiving CAPEX funds of Rs. 13 lakhs** from New Age Innovation Network, Govt. of Karnataka during November 2020 **(Outcome – Product Development)**
- **Mentor for Innovative Project, “Solar Panel Cleaning Robot”** with a grant of **Rs. 85,000/-** from New Age Innovation Network, Govt. of Karnataka since November 2020 **(Outcome – Product Development).**
- 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 **(Outcome – research article publication, copyright and patent)**
- Received grants of **Rs. 50,000** from **UNNATH BHARATH ABHIYAAN (Outcome – Addressing societal problems, mentoring village students).**

**ADMINISTRATIVE EXPERIENCE**

University/Department	Position Held	Period	
		From	To
ME-RIISE FOUNDATION	CEO	September 2022	Till Date
MHRD Innovation Cell	President	May 2020	Till Date
Malnad College of Engineering, Hassan	Prof. and Head, CSE Dept.	March 2020	Till Date
New Age Innovation Network	College Coordinator	March 2019	Till Date
Unnat Bharath Abhiyaan	College Coordinator	Sept 2018	Till Date
Industry Institute Interaction Cell	Director	Sept 2018	Till Date
Malnad Enclave for Research, Innovation, Incubation, Start-ups 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. and Head, ISE Dept.	Feb 2015	Dec 2016
Malnad College of Engineering, Hassan	Warden	Sept 2011	March 2015

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

Name of the Body	Position	University/ Institute	Period	
			From	To
MSME Champion Scheme Division	Domain Expert – Private	Ministry of Small, Micro, Medium Enterprises, GoI	2023	Till date
Academic and Administrative Audit	External Member	SSIT, Tumakuru	2023	Till date
Internal Complaint Committee	Member	Master Control Facility, Hassan	2022	Till date
BoS (IS and Engineering)	Member	PES College of Engineering, Mandya	2022	Till date
BoS (IS and Engineering)	Member	The National Institute of Engineering, Mysuru	2022	Till date
Final year Project Exhibition	VTU Nominee	VTU, Belagavi	2022	Till date
Local Inquiry Committee	Member	VTU, Belagavi	2018	Till date
BoS (CS and Engg.)	Chairman	MCE, Hassan	2020	Till Date
Advisory Committee on Outside Collaborations of VTU	Member	VTU, Belagavi	2019	Till Date
Academic Council	Member	The National Institute of Engineering, Mysuru	2020	Till Date
BoE (CS and Engg.)	Chairman	MCE, Hassan	2015	2021
Framing of IPR policy	Member	VTU, Belagavi	2019	Till Date
Academic Council	Member	M.V.J College of Engineering, Bengaluru	2019	Till date
BoS (CS and Engineering)	University Nominee	PES College of Engineering, Mandya	2019	Till date
Academic Council	Member	MCE, Hassan	2015	Till date
BoS ( IS and Engg.)	Chairman	MCE, Hassan	2020	Till Date

#### RESEARCH SUPERVISION

Name of the candidate	Title of Ph.D. topic	Year of Registration	Status
Mrs. Prema N	Moisture and Nutrient Analysis in Sugarcane and Paddy crops	2021-22	Registered

<b>Mrs. Kavya D</b>	Multi Person System Action Recognition System for Smart Surveillance		Registered
<b>Mr. Vasanth Kumar N T</b>	Automatic Panoramic view generation from images obtained by multiple cameras in real-time	2017-18	Comprehensive viva completed
<b>Mrs. Anupama</b>	Exploration of Image based View Synthesis	2016-17	Awarded 2023
<b>Mrs. B R Nanditha</b>	Automatic Bleed Pattern Recognition and Segregation of Calcification Using Medical Imaging	2015-16	Awarded 2022
<b>Chandrasekhar H S</b>	Techniques for Early Detection of Oral Cancer by Suspicious Tissue Pattern Analysis		Comprehensive viva completed

#### RESOURCE PERSON IN REFRESHER COURSES/ORIENTATION PROGRAMME/ OTHER PROGRAMMES

Month and Year	Institution	Nature of Programme/ Topic chosen for talk	Role
28 <sup>th</sup> August, 2023	TiE, Hubballi	Global Pitch Event	Jury
19 <sup>th</sup> June, 2023	Ananth PU college	Motivational Session	Chief Guest
30 <sup>th</sup> June, 2023	St. Joseph Pre-University College	Felicitation to the Merit Students	Chief Guest
March 14, 2023	Master Control Facility, Hassan	Innovation for Women Empowerment	Special Chief Guest
January 24, 2023	AVK College for Women, Hassan	Empowering Holistic Education through Women	Chief Guest & Expert
January 3, 2023	The National Institute of Engineering, Mysuru	FDP on Research Avenues in DS & ML	Resource Person
December 16, 2022	JSS STU, Mysuru	Atal FDP on Research Avenues in Biometrics Using Low Cost Devices	Resource Person
December 15, 2022	Holy Children's school	Annual Day – Leadership qualities	Chief Guest
August 1, 2022	News1	VTU Education Conclave / Panel Discussion on Incubation, Entrepreneurship and Seed Funding	Resource Person/ Panelist
July 11, 2022	GSSSIETW, Mysuru	VTU Financial Assistance to final year UG students	VTU Nominee
November 30 – December 2, 2021	HRIHE, Hassan	MS_EXCEL	Resource Person
December 26, 2020	P.A. College of Engineering, Mangalore	Applications of CV in agriculture 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 Computer Science and Information Technology	Distinguished Panel Expert
February 25, 2020	HRIHE, Hassan	Institution Innovation Cell	Resource Person
January 09, 2020	GSSSIETW, Mysuru	Indirect Assessment VTU TEQIP 1.3 sponsored FDP on OBE	Resource Person

November 15-17, 2019	University Transilvania in Brasov	5 <sup>th</sup> International Conference on Music Therapy, "The Power of Music and words"	Speaker
August 1, 2019	KIT, Tiptur	Machine Learning	Resource Person
April 4, 2018	PDA, Gulbarga	Types of machine learning and classification techniques.	Resource Person
Mar 30 -31, 2018	University of Mysore	International Conference Data Analytics and Learning 2018	Session Chair
May 29, 2017	GSSSIT, Mysore	National Conference NCESC-2017	Session Chair
Dec 14, 2017	KIT, Tiptur	Advances in Image Processing and Computer Vision Applications using Python	Resource Person
March 25,2017	MCE, Hassan	Drawing the Right Work- Life balance for the Indian Woman	Panelist
March 18, 2017	NIE, Mysore	International Conference ISCCDA-2017	Session Chair
Feb 27-28, 2017	HRIHE, Hassan	MS-Excel	Resource Person
Jan 16-17,2017	MCE, Hassan	Python Programming	Resource Person
Jan 10, 2016	CoE, Pune	International Conference ICTIEE -2016	Keynote Speaker
Feb 29, 2016	NDRK Institute of Technology	Latex Internals	Resource Person
Nov 03, 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Resource Person
June 22, 2015	Malnad College of Engineering, Hassan	Programming Foundation with C	Resource Person
April 07, 2015	Malnad College of Engineering, Hassan	Technical Report Writing using LATEX	Resource Person
March 19, 2015	Malnad College of Engineering, Hassan	Technical Document Typesetting with Latex	Invited speaker

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

International Journals	International Conferences	National Conferences	TOTAL
23	12	06	41

### **COMMUNITY CENTRIC PROGRAMMES ORGANISED**

Programme	Date	Position Held
Igniting Young Minds	17 <sup>th</sup> August, 2023	Convenor
Basic Computer Concepts	16 <sup>th</sup> June, 2022	Convenor
Virtual School	12th June to 11th July 2021	Convenor

Soil Health Analysis and management of plant nutrition	8th March 2021	Convenor
Bird Watching	6th February 2021	Convenor
Plant Pathology and microbes in bio enrichment practical and awareness session	6th February 2021	Convenor
Plastic Free Campaign	30th September 2019	Convenor
Planting tree Saplings	01st August 2019	Convenor
House Hold Village Survey	08th January 2019 and 25th March 2019	Convenor
Village Survey	10th December 2018	Convenor

### APPLICATIONS DEVELOPED

- ◉ Home quarantine monitoring system for COVID 19 pandemic for Department of Police, Hassan, Karnataka, 2020.
- ◉ Leave management system for Karnataka Police Department – Copyrights Registered, 2020
- ◉ MCE CSE – ATAL FDP Blog site, 2020
- ◉ Website designing for ME-RIISE, 2020
- ◉ Micro Engineering Certification Program registration portal, 2020
- ◉ Leave management system for Malnad College of Engineering, 2021
- ◉ Online System Service tracking portal for MCE, 2021
- ◉ Grievance portal for MCE, 2021
- ◉ MCE Certificate Generator, 2021

### Certifications

- ◉ 2022: Innovation, Business Model and Entrepreneurship – Swayam by NPTEL
- ◉ 2022: Financial Statements 101 – Acumen Academy.
- ◉ 2020: Artificial Intelligence –Webex by AGIMUS Technologies
- ◉ 2019: Introduction to Machine Learning –Swayam by NPTEL
- ◉ 2019: Entrep101X: Entrepreneurial Opportunities – edX by AdelaideX, University of Adelaide
- ◉ 2016: Python – CourseEra

### PROFESSIONAL MEMBERSHIPS

- ◉ **Senior member IEEE:** 92864644
- ◉ **Fellow Institution of Engineers,** India, Mysore Chapter: F- 121980-0
- ◉ **Life Member Indian Society for Technical Education (ISTE):** LM - 26224
- ◉ **Life Computer Society of India (CSI):** 11505298

\*Please refer to the **Annexure** attached for **Publication details, workshops attended/conducted and other engagements**

## International Journals:

1. An Overview of Various Techniques Involved in Detection of Anomalies from Surveillance Cameras, International Journal of Computer Science Engineering And Information Technology, Vol. 13, No.4, pp. 15-22, August, 2023. 10.5121/ijcseit.2023.13402
2. SIDA-GAN: A lightweight Generative Adversarial Network for Single Image Depth Approximation, Results in Engineering (Q1), Elsevier publication, September 2022,100636, ISSN 2590-1230, <https://doi.org/10.1016/j.rineng.2022.100636>.
3. A Skip Connected Depth wise Separable Neural Network for Novel View Synthesis of Solid Objects, Results in Engineering (Q1), vol. 13, pp. 1-14, Elsevier publication, March , 2022.
4. Extrapolating Z-Axis Data for a 2D Image on a Single Board Computer. Proceedings of International Conference on Data Science and Applications. Lecture Notes in Networks and Systems, vol. 288, pp. 503-512, Springer, Singapore. [https://doi.org/10.1007/978-981-16-5120-5\\_38](https://doi.org/10.1007/978-981-16-5120-5_38).
5. An Ensemble Deep Neural Network Approach for Oral Cancer, International Journal of Online and Biomedical Engineering, Vol. 17, No. 02, pp. 121-134,2021.
6. 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.
7. 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.
8. Therapeutic Use of Indian Ragas on various diseases, Bulletin of the Transilvania University of Braşov, Series VIII: Performing Arts, Vol. 14(63) No. 1 –2021.
9. The Significance of Melody in Music Therapy, Bulletin of the Transilvania University of Braşov, Series VIII: Performing Arts, Vol. 13 (62) No. 1 –2020.
10. 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.
11. 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 factor5.86).
12. 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 factor5.86).
13. Inter-Departmental Student Projects- Challenges and Benefits, Journal of Engineering Education Transformations, Special Issue Jan. 2018, eISSN 2394-1707. (Scopus indexed)
14. Introducing Programming using “Scratch” and “Green foot”, Journal of Engineering Education Transformations; Special Issue, 2018. (Scopus indexed).
15. Effective Tutoring with Senior Students' Assistance, Journal of Engineering Education Transformations; Volume 31, Issue 3, January 2018(Scopus indexed).
16. A Practical Approach to Make Computer Laboratory Courses more Effective and Interesting through Student Mentoring, Journal of Engineering Education Transformations ;Volume31,Issue 1, July2017.
17. Train the Trainer - An Experiential way to Effective Teaching, Journal of Engineering Education Transformations; Volume 30, Issue 3, January2017
18. An Empirical Vision for Inspiring Students as a Core Driver to meet Global Challenges, Journal of Engineering Education Transformations; Volume 30, Issue 3, January2017
19. Tutoring junior Undergraduate Students by seniors in Engineering Courses, Journal of Engineering Education Transformations; Volume 30, Issue 2, October 2016
20. Effective Teaching through Programming Assignments, Journal of Engineering Education Transformations; Special Issue,2016
21. Estimating Intrinsic Parameter of Camera from a Single Image ,International Journal of Advances in Image Processing Techniques, Vol 2, Issue 2, pp. 25-29, , October2015.
22. 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.
23. Automatic 3D view generation from a Single2D 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. Computer Assisted Disease Diagnosis Syndrome using Lip, IEEE 2023 World conference on communication and computing (WCONF), Raipur, India, 2023.
2. Texture Analysis of color oral images for lesion detection, International Conference on Computational Performance Evaluation (ComPE) during July 2-4, 2020, Shillong, Meghalaya, India.
3. 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.
4. 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.
5. Online Courses as an Effective Self-Study Component, Fourth International Conference in Transformations in Engineering Education, Hyderabad, 6- 8 Jan, 2017.
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, 2nd 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. 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.

**ORGANIZATION OF PROGRAMMES (SEMINAR/WORKSHOPS/STTP ETC.,)**

<b>Programme and Level (National, etc.,)</b>	<b>Date</b>	<b>Position Held</b>
IDEA SPARK – MSME IDEA HACKATHON 3.0 Women	30 <sup>th</sup> August, 2023	Convener
Idea Pitch and Panel discussion	24 <sup>th</sup> August, 2023	Convener
Ideation for Young Minds	23 <sup>rd</sup> August, 2023	Convener
Igniting Young Minds	17 <sup>th</sup> August, 2023	Convener
ROBOTECHX-SOCCERBOTS	8 <sup>th</sup> to 12 <sup>th</sup> August, 2023	Convener
Young Entrepreneurs Programme – Aura2.0 – Project Expo	19 <sup>th</sup> June, 2023	Convener
Celebration of World Environment Day and Inauguration of CSE Innovation Club	5 <sup>th</sup> June, 2023	Convener
Networking meet with Co-Create team	5 <sup>th</sup> June, 2023	Convener
Boot camp ASPIRE'23	29 <sup>th</sup> to 31 <sup>st</sup> May, 2023	Convener
TechXperience	20 <sup>th</sup> May, 2023	Convener
Celebration of World IPR Day	29 <sup>th</sup> April, 2023	Convener
World Earth Day	28 <sup>th</sup> April, 2023	Convener
Summer Camp in Association with Dream Kit	17 <sup>th</sup> – 18 <sup>th</sup> April, 2023	Convener
From Start-up to Success: Navigating India's Entrepreneurial Landscape - A Panel Discussion and Debate session	10 <sup>th</sup> April, 2023	Convener
Insights from a Successful Engineer: Reflections on Career and Personal Growth	18 <sup>th</sup> March, 2023	Convener
Inauguration of ME-RIISE FOUNDATION	18 <sup>th</sup> March, 2023	Convener
Entrepreneurship Bootcamp in association with K-tech	20 <sup>th</sup> and 21 <sup>st</sup> February, 2023	Convener
Beyond Boundaries – “Hands-on workshop in building circuitry using Virtual Reality	10 <sup>th</sup> and 11 <sup>th</sup> February, 2023	Convener
Prasthuti Paper Presentation Event	7 <sup>th</sup> January, 2023	Convener
A Professional Journey of an Alumnus and Future Career Demands	4 <sup>th</sup> January, 2023	Convener
National Pollution Control Day	29 <sup>th</sup> December, 2022	Organiser
2 day workshop on Iot: Recent Trend and Application Development	22 <sup>nd</sup> and 23 <sup>rd</sup> December, 2022	Convener
<b>Pragyatha 22</b>	SHARK TANK	Convener
	TRADE SHOW	
	Entrorphosis	
	Workshop on Block Chain & Cyber Security	
	Hackathon – Hack IT & UI/UX	
Entrepreneurship Awareness Programme (MSME)	2 <sup>nd</sup> December, 2022	Convener
Research Conclave	26 <sup>th</sup> November, 2022	Convener
<b>Motivational Session - Successful Innovators</b>	21 <sup>st</sup> November, 2022	Convener
Bangalore Tech Summit	16 – 18 November, 2022	Convener

<b>National Education Day – Kalakar</b>	12 <sup>th</sup> November, 2022	Convenor
Internship on Cloud computing, Block chain and Web 3.0	31st October to 19th November, 2022	Convenor
Ideathon	21 <sup>st</sup> October, 2022	Convenor
Innovation Day	15 <sup>th</sup> October, 2022	Convenor
Faculty Development Program Data Analytics and Learning: The Quest	10 <sup>th</sup> – 14 <sup>th</sup> October, 2022	Convenor
India Startup Day	1 <sup>st</sup> October, 2022.	Convenor
World Entrepreneur’s Day	21 <sup>st</sup> August, 2022.	Convenor
Navapravarthan	16 August, 2022	Convenor
Inspire 2022	16 August, 2022	Convenor
A day as DATA Engineer	02 July, 2022	Convenor
AURA - Project Expo	01 July, 2022	Convenor
Software Engineering	10 June, 2022	Convenor
Merit Prize Award Program	21 <sup>st</sup> May, 2022	Convenor
Concepts of Computer Network	13 <sup>th</sup> and 14 <sup>th</sup> May, 2022	Convenor
World Earth Day	27 <sup>th</sup> April, 2022	Convenor
Summer Camp with Dream Kit	24 <sup>th</sup> April – 26 <sup>th</sup> April, 2022	Convenor
Latex	21 <sup>st</sup> April, 2022	Convenor
Infusion	26 <sup>th</sup> March, 2022	Convenor
Walkthrough Session On “Big Data Analytics, Machine Learning And Artificial Intelligence”	26th FEBRUARY 2022	Convenor
College To Corporate (C2c)	29th January 2022	Convenor
Overview Of Finite Automata And Formal Languages	06th January 2022	Convenor
Pragyatha 2021	4 <sup>th</sup> - 5 <sup>th</sup> December, 2021	Convenor
Resume Writing And Mock Placement	04th December 2021	Convenor
Awake Bootstrap	27th and 28th November 2021	Convenor
Micro Engineering Certification Course On Core Java: An Industrial Approach	22nd to 24th October 2021	Convenor
Impact Lecture Series	07th October 2021	Convenor
Cyber Security	27th and 28th September 2021	Convenor
Machine Learning	25th September 2021	Convenor
Innovation Club Embarks	07th September 2021	Convenor
Design Thinking	24 <sup>th</sup> August, 2021	Convenor

Debate on Entrepreneurship or Job – What should Engineers opt for?		24 <sup>th</sup> August, 2021	Convenor
Faculty Development Programme On Introduction To Concept Of Innovation		19 <sup>th</sup> – 20 <sup>th</sup> July, 2021	Convenor
Software Project Management		19 <sup>th</sup> June, 2021	Convenor
Ideathon-21		19 <sup>th</sup> June, 2021	Convenor
Design And Analysis Of Algorithms		9 <sup>th</sup> - 10 <sup>th</sup> June	Convenor
The Cloud Computing Marathon		05 <sup>th</sup> June 2021 to 03 <sup>rd</sup> July 2021	Convenor
E-Step Bootcamp		26 <sup>th</sup> May, 2021	Convenor
Resume Writing And Interview Tips For Future It Professionals		15 <sup>th</sup> May, 2021	Convenor
Fundamentals Of Python		3 <sup>rd</sup> - 6 May 2021	Convenor
An Unorthodox Guide For A Software Professional		17 <sup>th</sup> March 2021	Convenor
Arduino Programming		5 <sup>th</sup> – 6 <sup>th</sup> March, 2021	Convenor
Specifications, Wiring and Protection of Electrical Appliances		18 <sup>th</sup> February, 2021	Convenor
TechGeek Session		17 <sup>th</sup> February, 2021	Convenor
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
Innovators Life and Cross Road – Motivation Speak		16 <sup>th</sup> December, 2020	Convenor
My story- Entrepreneurs life and cross road		7 <sup>th</sup> September, 2020	Convenor
Online Quizz (State level)		24 <sup>th</sup> May, 2020	Convenor
Code – IT (State level Online)		24 <sup>th</sup> May, 2020	Convenor
Ideathon 20 (State level Online)		14 <sup>th</sup> May, 2020	Convenor
Hackathon Covid’19 (State level Online)		12 <sup>th</sup> May, 2020	Convenor
Mock Placement		11 <sup>th</sup> May, 2020	Convenor
B Plan Challenge for Women		7 <sup>th</sup> March, 2020	Convenor
Manthan 2020		27 <sup>th</sup> November, 2019	Coordinator
Pragyatha’ 19 State	Workshop on Big Data	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convenor
	Workshop on Entrepreneurship	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convenor
	Workshop on CAD Software’s	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convenor
	Entrorphosis	9 <sup>th</sup> and 10 <sup>th</sup> November, 2019	Convenor
	Seed Grant	9 <sup>th</sup> November, 2019	Convenor
	Start-up Street	9 <sup>th</sup> November, 2019	Convenor

	Riise-athon	8 <sup>th</sup> and 9 <sup>th</sup> November, 2019	Convener
	Cloud Literacy Day	31 <sup>st</sup> October, 2019	Convener
	Lateral Thinking	15 <sup>h</sup> October, 2019	Convener
	Outreach Programme	14 <sup>th</sup> October, 2019	Convener
	Ideathon 19	12 <sup>th</sup> , October 2019	Convener
	Capacity Building and Entrepreneurship Development	12 <sup>th</sup> , October 2019	Convener
	Boot Camp	14 <sup>th</sup> , September, 2019	Coordinator
	Salesforce Developer 402	9 <sup>th</sup> to 14 <sup>th</sup> September, 2019	Convener
	Revit Architecture	9 <sup>th</sup> to 13 <sup>th</sup> April, 2019	Convener
	Visit to Incubation centre, Sahyadri Engineering college, Mangalore	1st April, 2019	Coordinator
	Visit to MRPL, Mangalore	1st April, 2019	Coordinator
	Inside the box	March/April, 2019	Coordinator
	Proof of Concept	23rd March, 2019	Convener
	Need for Technical Skills and Personality Development in Engineers	1st March, 2019	Coordinator
	Fusion 360	18th to 22nd Feb, 2019	Coordinator
	Cloud Literacy Day	31st October, 2018	Convener
	HACK.MCE	28, 29 and 30th October, 2018	Coordinator
	IDEATION	13th October, 2018	Coordinator
	A Visit to Entrepreneurial Establishments and Panel Discussion	17th September, 2018	Coordinator
	A seminar by The Princeton Review	29th August, 2018	Coordinator
	Two days State Level Event on "MCE Learnathon and Super coders"	01st and 02nd July, 2018	Coordinator
	1 day awareness programme on "Empowering Entrepreneurship and Innovation"	30, April, 2018	Coordinator
	MS – EXCEL for 4th sem MBA students	27 – 28 February, 2017	Coordinator
	Online Courses for Improving Learning Outcomes	16 September, 2016	Coordinator
	Report writing and enhancing presentation skills	23 August, 2016	Coordinator
	Object Oriented Programming with C++	11-17 January, 2016	Coordinator
	Java Programming Made Easy	07-15, November, 2015	Coordinator
	Latex for Technical Report Writing	03 November, 2015	Coordinator
	Glimpse of Software Development Activities	10 October, 2015	Coordinator
	Programming Foundation with C	22 June – 2 July, 2015	Coordinator

Current Research Topics	28, April 2015	Coordinator
Communication Skills Made More Effective	27 March, 2015	Coordinator
INFINITY 2015	21 April, 2015	Coordinator
Applications of Image Processing	8 April, 2015	Coordinator
Technical Report Writing using Latex	7 April, 2015	Coordinator
Soft skills and Aptitude	October, 2014	Coordinator
Tally Awareness Among Ministerial Staff of the College	29 – 30 March, 2008	Coordinator
Computer and Internet awareness for senior citizens	26-28 April, 2007	Coordinator
Value Inculcation in Engineering education	30 April – 1 May, 2007	Coordinator
Internet Awareness among housewives	23 – 27 January, 2007	Coordinator
Confidence building and Personality development (for students of the college under Tribal development plan)	16 – 17 March, 2006	Coordinator

### **WORKSHOPS/ FACULTY DEVELOPMENT PROGRAMS ATTENDED**

NATURE OF PROGRAMME	PERIOD		INSTITUTION/ ORGANISATION
	FROM	TO	
EXPLORE – Future of Security and Data Protection	09-09-2022		RAMAN IT, Radisson Blue, Mysore
ATAL FDP on Design Thinking and Product Development	23-08-2021	27-08-2021	Online Elementary FDP conducted by National Institute of Technology Arunachal Pradesh
Innovation Ambassador training (Foundation Level, Total 16 Sessions of 30 contact hours)	30-06-2021	30-07-2021	MoE's Innovation Cell and AICTE
ATAL FDP on “Adoption of Virtual Realty Technologies for Drug Discovery: The Centre Piece of Academic and Industry Labs”	26-07-2021	30-7-2021	Online Elementary FDP conducted by KIET Group of institutions
AICTE Examination Reforms	23-04-2020	26-04-2020	Online FDP conducted KLE University
Digital Transformation In Teaching Learning Process	06-04-2020	22-04-2020	TEQIP Online Certification, Sponsored by MHRD
India Science Festival	11-01-2020	12-01-2020	IISER, Pune
Orientation Programme under UBA	04-01-2020	04-01-2020	Christ University, B'lore
Smart City, IoT-based Technology	11-12-2019	13-12-2019	Mangaluru University
Symposium on Collaborative Research	19-8-2019	20-8-2019	SPIU, Karnataka
Internet of Things: Industry Trends	18-7-2019	19-7-2019	JIT, B'Lore

Curriculum Design for Industry needs	May 24, 2019	May 25, 2019	VVCE, Mysuru
Bridge 2018	January 31, 2019	January 31, 2019	Le Meridian, Chennai
Bridge 2018	September 26, 2018	September 26, 2018	Le Meridian, Bengaluru
Advances in Deep Architectures for Signal, Image and Vision Applications	July 14, 2018	July 28, 2018	IIIT, Allahabad
Patent Search Techniques	June 21, 2018	June 23, 2018	E and ICT Academy, Bengaluru in association with IIT, Guwahati,
Women in Higher Education	June 04, 2018	June 08, 2018	JSS Technical University, Mysuru
Project Management	April 25, 2018	26 April, 2018	KSTA, DST, GoK, Bengaluru
Machine Learning	Mar 12, 2018	Mar 17, 2018	E and ICT Academy NIT, Warangal
Visual Object Recognition	Jan 15, 2018	Jan 19, 2018	Mangalore University
Basic Programming using Python	Aug, 21, 2017	Aug, 23, 2017	VTU, Belagavi (FOSSEE, IIT Bombay)
IUCEE-OBE Course	Aug, 2016	Dec, 2016	KLE Technological University
Kalman Filter- Theory and Practice	Oct, 20, 2016	Oct, 22, 2016	MIT, Manipal
Outcomes - Based Education	Aug. 02, 2015	Aug. 03, 2015	BMS College of Engineering, Bangalore
Formulation, Modeling and Practical Applications of Operations Research	May 25, 2015	June 06, 2015	M.C.E, Hassan
Effective teaching of a Technical Course	April 11, 2015	April 15, 2015	M.C.E, Hassan
Exposure on MATLAB	Dec. 22, 2014	Jan 02, 2015	National Institute of Technical Teachers, Training and Research, Kolkata
Latex and excel for Research-Hands on Sessions	Aug 02, 2013	Aug 07, 2013	BMS College of Engineering, Bangalore
Deriving Program Educational Objectives/Program Outcomes/Course Outcomes/Assessments for NBA Self Assessment Report	July 11, 2013	July 13, 2013	M.C.E, Hassan
Computational Intelligence - An Academic, Industrial and Social Perspective (AICTE sponsored)	May 30, 2013	June 12, 2013	PSG College of Technology, Coimbatore
DST - IUCEE Research Academy	March 18, 2013	Mar 20, 2013	C.R. Rao AIMSCS, UoH Campus, Gachibowli, Hyderabad

Yogasanna - Pranayama Camp	March 04, 2013	Mar 08, 2013	M.C.E, Hassan
Emerging Trends in Image and Video Processing	Jan 21, 2013	Jan 25, 2013	NMIT, Bangalore
Researchers Conclave on Machine Learning and computational Intelligence	Sept. 07, 2012	Sept. 08, 2012	Adithya Institute of Technology, Coimbatore
Introduction to Research Methodologies	June 25, 2012	July 04, 2012	MIT, Mysore
Multicore Programming	Jan 27, 2010	Jan 29, 2010	Intel Centre of Excellence Bangalore
Web Based Systems: Development and Applications	Jan 19, 2009	Jan 31, 2009	National Institute of Technology, Trichy
Role of Teacher in Character Building and Personality Development	May 17, 2008	May 18, 2008	M.C.E, Hassan
Challenges in Ph.D. and M.Sc. (Engg.) by Research at Engineering Colleges	Feb 26, 2008	Feb 26, 2008	M.C.E, Hassan
Adolescence and Parents	July 08, 2007	July 08, 2007	M.C.E, Hassan
Theory and Practice of Data Mining	Feb 05,2007	Feb 07, 2007	NMAM Institute of Technology, Bangalore.
Application Orientation in Engineering Mathematics and Mathematical Modeling	Dec 26, 2006	Dec 30, 2006	S.V. National Institute of Technology, Surat
Quality in Education	Nov 16, 2006	Nov 17, 2006	NIMHANS, Bangalore
Interpersonal Communications	Feb 13,2006	Feb 18, 2006	Indian Institute of Technology, Kharagpur
G I S Applications	Oct. 08,2005	Oct. 08,2005	M.C.E, Hassan
FEEL Teacher	Aug. 27, 2005	Aug. 31, 2005	M.C.E, Hassan
C# Programming and NET Concepts	Aug. 04, 2005	Aug. 06, 2005	RV College of Engineering, Bangalore
LLC103: Linux System and Network Administrator	July 18, 2005	July 21, 2005	Linux Learning Centre, Bangalore



Automation through Document Processing and Image Processing (ISTE-AICTE – Short Term Training Programme)	Jan 10, 2005	Jan 22, 2005	PES College of Engineering, Mandya
Advances in Neural Computing (ISTE-AICTE – Short Term Training Programme)	July 26, 1999	Aug. 07, 1999	SJCE, Mysore
Robotics for Industrial Applications (ISTE-AICTE – Short Term Training Programme)	March 15, 1999	March 27, 1999	M.C.E, Hassan
Computer Training Programme for College Teachers (ISTE-AICTE – Short Term Training Programme)	June 16, 1997	June 28, 1997	Indian Institute of Science, Bangalore