Prof. K.NAGAIAH

Assistant Professor, The ICFAI University, Raipur
Email Id: nagaiah.k@iuraipur.edu.in
Contact No.: 09885134913
Professional profile Id (If any):professornagaiah@gmail.com

Education Qualification:

Ph.D (Image Processing) from JNTUH Kukatpally Hyderabad.

M.Tech (Systems and Signal processing) from JNTUH Kukatpally Hyderabad

B.Tech (ECE) from JNTUH Kukatpally Hyderabad.

Work Experience:

Teaching Experience (in years) : 15 Years
Industrial Experience (in years) :7 Years
Total Experience: 22 Years

Research Area:

- **Image Processing**
- **Neural Networks**
- **Medical Imaging**
- **Machine Learning & Artificial Intelligence**
- **Signal Processing**

Awards & Honours:

- **Dynamic Leader Award All India leadership convention in Chennai 2001 March in Quantum MLM business.**
- **JCI INDIA-ZONE 2008 Trainer**
- **BEST TEACHER AWARD 2011CIET RAIPUR HOD ET&T.**
- **KARATE BLACK BELT FROM KBI MALYSIA.**
- **YOGA TRAINER.**

Books Published: NIL

Publications: Total- 19

International Journals: 10

1. K.Nagaiah, M.Ravi Babu "Advanced Enhancement Micro calcification in Mammography", International Journal of Science and Research, Volume 2 Issue3, March 2013. ISSN :2319-7064.
2. K.Nagaiah, G.Ashok Kumar, "Tracking the moving object and morphological reconstruction of video sequences by using Gradient and HSV process" International

Journal of Reviews on Recent electronics and computer science/October 2013/Volume - 1/ Issue-6/1176-1183.ISSN 2321-5461.

3. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth, " Efficient Image Enhancement Techniques For Micro Calcification Detection In Mammography" International journal of Electrical and Electronics Engineers (IJEEE) Vol. No7 Issue 2, July- December 2015.

4. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth, "Mammogram Image Analysis for Micro calcification Detection with Mammography" Global Journal of Pure and Applied Mathematics (GJPAM) ISSN 0973-1768 Volume 11,Number 2 (2015). **SCOPUS INDEXED JOURNAL**

5. B. Sumanjali K. Nagaiah B. Anitha "Implementation of Automatic Retina Exudates Segmentation Algorithm for Early Detection with Low Computational Time" *International Journal Of Engineering And Computer Science ISSN: 2319-7242 Volume 5 Issue 10 Oct. 2016*, Page No. 18584-18588.

6. K.Nagaiah, Dr. K. Manjunathachari, Dr. T.V. Rajinikanth, "EDGE DETECTION TECHNIQUES FOR MAMMOGRAM IMAGES ANALYSIS" Journal of Emerging Technologies and Innovative Research (JETIR) *ISSN-2349-5162 Volume 5, Issue 7 July 2018, Page No. 458-464.* (An International Open Access Journal & UGC and ISSN Approved).

7. K.Nagaiah, Dr. K. Manjunathachari, Dr. T.V. Rajinikanth, "Smart Analysis Of Breast Cancer Detection Using Machine Learning Algorithms" Journal of Advanced Research in Dynamical and Control Systems (Approved to be published). **SCOPUS INDEXED JOURNAL**

8. . K.Nagaiah, Dr. K. Manjunathachari, Dr. T.V. Rajinikanth "Segmentation Techniques for Micro calcification Detection In Mammogram Image Analysis' (JASC) ISSN NO: 1076-5131 Volume VI, Issue II, February/2019 Page No:637-646. UGC Approved.

9. Jyothi Maadugundu, K Nagaiah, "Machine Learning for Networking" Analysis' (JASC) ISSN NO: 1076-5131 Volume VI, Issue II, February/2019 Page No: 859-866. UGC Approved.

10. K.Nagaiah, Dr. K. Manjunathachari, Dr. T.V. Rajinikanth "Automated Assistance for Breast cancer Identification on Mammograms Using Computer Vision Algorithms" Turkish Journal of computer and mathematics Education.Vol.12 No.5 (2021) 1521-1520. **SCOPUS INDEXED JOURNAL**

INTERNATIONAL CONFERENCES : (7)

1. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth " Efficient Filtering Techniques for Medical Image Analysis Removing Noise from Digital Images" International Conference on Emerging Trends in Science Technology and Management(ICETSTEM-2015) on October 9th & 10th-2015 MREC HYDERABAD.

2. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth "Comparison of Image Enhancement Techniques for Micro calcification Detection in Mammography International Conference on Emerging Trends in Science Technology and Management(ICETSTEM-2015) on October 9th & 10th-2015 MREC HYDERABAD..

3. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth "Efficient Image Enhancement Techniques For Micro Calcification Detection In Mammography" 2nd International Conference on Science, Technology and Management (ICSTM-2015) 27th September 2015 University of Delhi.

4. **K.Nagaiah,** Dr. K. Manjunathachari, Dr.T.V.Rajinikanth " Efficient Pre-processing Method to Detection of Micro calcification in Mammogram Images using Bilateral Filter" (CSI-2015) 2nd -5th December 2015 Bharati Vidyapeeth's Institute of Computer Applications and Management(BVCAM), New Delhi.

5. **K.Nagaiah,** Dr. K. Manjunathachari, Dr.T.V.Rajinikanth

"Advanced Image Enhancement Method for Mammogram Analysis" 2016 FIFTH INTERNATIONAL CONFERENCE ON RECENT TRENDS IN INFORMATION TECHNOLOGY. **DOI: 10.1109/ICRTIT.2016.7569554 Date Added to IEEE *Xplore*: 19 September 2016 SBN Information: Electronic ISBN: 978-1-4673-9802-2.**

6. **K.Nagaiah,** Dr. K. Manjunathachari, Dr. T.V. Rajinikanth, "Smart Analysis Of Breast Cancer Detection Using Machine Learning Algorithms" ICEAT2019 (International Conference On Engineering And Advancement In Technology *2019)* in Lords Institute of Engineering & Technology, Hyderabad, India.

7. **K.Nagaiah,** Dr. K. Manjunathachari, Dr. T.V. Rajinikanth "Segmentation Techniques for Micro calcification Detection In Mammogram Image Analysis'ICOCAC 2018.⬜20th-21st December, 2018 KGRCET Hyderabad

National Conferences: 02

1. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth, "Mammogram Image Analysis for Micro calcification Detection with Mammography" APSMS-2015 National Conference on Recent Developments in Mathematical Sciences and Their applications to Science and Technology 11-13 December, 2015 at Vignana Bharathi Institute of Technology Hyderabad.

2. K.Nagaiah, Dr. K. Manjunathachari, Dr.T.V.Rajinikanth "Efficient Filtering Approaches For Microcalcification Detection In Mammogram Analysis" National Conference on Emerging Trends in Engineering & Technology (ETET-2016).

Workshops/FDP: 41

1. Three Day National Workshop on "Pattern Recognition and Classification" organized by DSP division (SENSE) VIT University Vellore on 12th -14th November 2015.

2. TRHEE DAY FDP on "Soft Computing with MATLAB" organized by School of Computer Applications (SOCA) at ITM University Gwalior,MP. during 22nd -24th June 2015.

3. TWO DAY DBT Sponsored seminar on "Computer Aided Diagnosis (CAD) via Medical Image Analysis and Processing using Soft Computing Techniques" conducted at Kongu Engineering College from 16th -17th April 2015.

4. One Day Session on "HOW TO WRITE A TECHNICAL PAPER FOR REPUTED JOURNALS" Organized by Dept Mechanical and Mechatronics on 28-03-2015 at Kongu Engineering College Perundurai,Erode.

5. Hands on Training on "Signal and Image Processing Algorithms Using MATLAB for Project Development" on 13th -14th March 2015 at Kongu Engineering College Perundurai,Erode.

6. Two Day National Level Workshop on "SIGNAL AND IMAGE PROCESSING USING MATALB" conducted by Kongu Engineering College on 5th-6th March 2015.

7. Hands on MATLAB training course on 'Feature Extraction and Classification Techniques for Pattern Recognition and Machine Learning Techniques' conducted by SCS-India, organized by the Dept of IT,PVPSIT, Vijayawada 27th -28th ,June 2015.

8. TWO DAY Conference on "COMPUTER VISION" held on 6th and 7th of March, 2014 at CVR college of Engineering.

9. Two Day FDP on "Digital Signal Processing" from 17th -18th December 2014 at Guru Nanak Institutions Technical Campus Ibrahimpatnam Hyderabad.

10. Two Week FDP on "Advancements in Digital Image and Video Processing" from 2nd -14th June 2014 at Guru Nanak Institutions Technical Campus Ibrahimpatnam Hyderabad.

11. THREE DAY FDP on "Current Trends in RADAR SYSYTEMS in Microwave Engineering" from 28th -30th Nov2013 at Guru Nanak Institutions Technical Campus Ibrahimpatnam Hyderabad.

12. Two Day Professor Summit on "Embedded System Design using Atmel XMEGA XPLD A1 and ARM based SAM 4L" at JNTU, Hyderabad from 24-25, Feb-2014.

13. One Week Course work on "Research Methodology" At JNTU-Hyderabad Campus on 16-12-2013 to 21-12-2013.

14. 3DAY FDP on "Research Methodology" at GITAM UNIVERSITY Hyderabad Campus on 28-11-2013 to 30-11-2013.

15. International Conference on Advanced Computing Methodologies (ICACM-2013) 2nd and 3rd August 2013 at GRIET Hyderabad, India. Under TEQIP-II.

16. TWO DAY Workshop on "Mathematical Methods for Image Processing and Engineering Applications" on 5th & 6th March 2013 at CBIT HYDERABAD.

17. International Conference "IEEE PRIMEASIA CONFERENCE 2012"on 6th & 7th DEC-2012 at BITS-Pilani, Hyderabad.

18. Tutorial on VLSI SOC Architecture & Its FPGA Applications in "IEEE PRIMEASIA CONFERENCE 2012"on 5th DEC-2012 at BITS-Pilani,Hyderabad.

19. Tutorial on Functional verification of ARM SOC using Mentors Questra Platform in "IEEE PRIMEASIA CONFERENCE 2012"on 5th DEC-2012 at BITS-Pilani, Hyderabad

20. THREE DAY workshop on "Embedded Processors" at JNTUH on 12th to 14th Oct-2012.

21. ONE Day work shop on "MATLAB & Simulink for Engineering Education" from Math Works in Hyd on 31st Aug 2012.

22. ONE Day National Level Workshop on "Emerging Fields in Real Time Embedded System and VLSI Design" at SDES IBP. Hyderabad on 21st March 2012.

23. FIVE Day FDP on "Teaching and Research Methodologies an Introspective Approach" on 6th to 10th June 2011.at Raipur, CG.

24. ONE Day National Level Workshop on "Design and Development of Mobile Embedded Systems" at VJIT HYDERABAD on 11th Feb 2011.

25. ONE Day Workshop on "Advanced Wireless Communication" at Vanjari Seethaiah Memorial Engineering College on 12th Oct 2010.

26. ONE Day National Level Workshop on " FPGA and Its Applications" at VJIT HYDERABAD on 10th April 2010.

27. ONE Day Workshop on "Defence Electronics Systems" at OSMANIA UNIVERSITY HYD on 12th Sep 2019.

28. ONE Day Workshop on "TRENDS IN RESERCH AND DEVELOPMENTDEMIC PERSPECTIVE" at JNTU HYD on 22nd Aug 2009.

29. THREE Day Workshop on "IMAGE PROCESSING & ITS APPLICATIONS" at JNTU HYD on 24TH to 26th March 2009.

30. THREE Day Workshop on "Cellular and Wireless Technologies" at JNTU HYDERABAD on 29TH to 31st july 2008.

31. TWO Day Workshop on "CMOS VLSI and ASIC DESIGNS" at JNTU HYDERABAD on 10TH to 11th Aug 2007

32. ONE WEEK Training on "Linux Administration" at Advanced Training Institute for Electronics & Process Instrumentation" in Ramanthapur, Hyderabad on 16th to 20 Aug 2004.

33. TWO WEEK Training on "Linux Operating System" at ATI-EPI, Hyderabad on 26th july to 06 Aug 2004.

34. ONE WEEK Training on "MAINTENANCE OF PC'S" at ATI-EPI, Hyderabad on 19th to 23rd july 2004.

35. TWO WEEK Training on "Networking of PC's" at ATI-EPI, Hyderabad on 09th to 13th Aug 2003.

36. TWOWEEK Training on "SCADA PROGRAMMING and APPLICATIONS" at ATI-EPI, Hyd on 18th to 22nd Aug 2003.

37. TWO WEEK Training on "PLC PROGRAMMING and APPLICATIONS" at ATI-EPI, Hyd on 04th to 14th Aug2003.

38. **One Week Faculty Development Program** attended at KG Reddy College of Engineering and Technology during **4th -9th December 2017.**

39. Participated 2nd "**National Conference on engineering Science Technology in Industrial Application and Significance of Free Open Source Software's NCESTFOSS-2017)"**

40. **One Week Faculty Development Program** on "**Effective Teaching and Learning"** attended at KG Reddy College of Engineering and Technology during 1**4th -18th May 2018.**

41. **One Week Faculty Development Program** on **"AI and Machine Learning" at E&ICT Academy NIT Warangal from 04 June-08 June 2018.**

Number of Projects (On-going/Completed):

- **Ph.D. Thesis Guided: Nil**

- **P.G. Thesis Guided: 06**

Guest Lecture/Trainings/Webinar Delivered: (2005 to till now) 350+

 1. **Swami Ramananda Tirtha Institute of Science & Technology, Nalgonda. Telangana. India**.
(Trained Over 240 Students On How To Study, Why To Study & When To Study; Self Discovery, Communication Skills , Goal Setting & Time Management).
2. Ellenki Engineering College Siddipet.

*(Conducted FDP On How To Become A Role Model For **115 Faculties** Of All Branches).*
3. **Ameena Engineering College Medchal.**
(Trained Over 300 Students On How To Study, Why To Study & When To Study; Self Discovery, Communication Skills , Goal Setting, Leader Ship Skills & Time Management).
4. **Malla Reddy Engineering College Hyderabad.**

(Trained Over 200 Students On Interview Skills, Self Discovery, Communication Skills , Goal Setting, Group Discussions & Time Management).

5. Islamia Engineering College Bandlaguda.

(Trained Over 480 On Soft Skills And English Communication).

6. **Azad College Of Engineering Moinabad.**

(Trained Over 300 Members Art Of Listening, Speaking, Writing And Reading; Etiquette And Manners, GD & Team Building)

7. **ICFAI-TECH University Hyderabad**.

(Trained Over 240 Members On Preparing CV, Interview Skills, Time And Stress Management)

8. SV College of Engineering and Technology, Moinabad.

(Trained Over 180 Members On Soft Skills, Know Thyself, Importance Of Positive Attitude And Self Esteem)

9. Pragathi Degree and PG College Sanath Nagar.

(120 Students On Inter Personnel Skills & Team Building)

10. Annie Besant Degree College For Women (College), Dilsukhnagar .

(120 Students On Inter Personnel Skills & Team Building)

11. Siva Sivani Institute Of Management Hyderabad.

(Trained Around 150 Students How To Become Successful In Your Life)

12. Sree Dattha Institute of Engineering and Sciences, Ibrahimpatnam.

(179 Faculty On How To Become Successful In Your Life))

13. Guru Nanak Institutions Technical Campus Ibrahimpatnam Hyderabad. *(Trained For 500 Plus Faculties FDP On How To Become No1 In Your Profession)*

14. Guru Nanak Institute Technology Ibrahimpatnam Hyderabad.

(Trained For 300 Plus Faculties FDP On How To Become No1 In Your Profession)

15. Arjun College Of Technology Ramoji Film City Hyderabad.

(Trained Over 180 Members On Soft Skills, Know Thyself, Importance Of Positive Attitude And Self Esteem, Communication Skills And Goal Setting)

GOVT OFFICIALS:

1. State Agricultural Management Extension Training Institute. (SAMETI).

A. HRD Skills for Extension Management.

B. Managerial Skills For Extension Management.

C. Communication And Interpersonal Skills For Effective Delivery.

D. Inter Personnel Skills For Effective Communication.

E. Managerial Skills for Extension Management.

F. Personality Development.

2. ETDC kamala Nagar Hyderabad.

How To Become Role Model.

3. JNTUH Kukatpally Hyderabad.

Importance Of Soft Skills For Success.

4. BHEL Hyderabad.

Inter Personnel Skills For Effective Communication and Success.

PRIVATE ORGANIZATIONS:

1. MSPPL

(Importance Of The Job & Life Through Good Communication Skills)

2. Oblum Electrical Industries Private Limited.

(Importance Of The Job & Life Through Good Communication Skills)

3. HAL Hyderabad.

(Team Building And Leadership)

MANY PRIVATE HIGH SCHOOLS AND OTHER COLLEGES WITH CONTACT THROUGH JCI-INDIA TEAM.

1. Importance of Soft Skills
2. *Self-Discovery & Goal Setting*
3. *Belief, Value, Attitude & Virtue*
4. *Motivation*
5. *Inter Personal Relations & Communications Skills*
6. *Public Speaking*
7. *Group Discussion (Honing the Decision Making Skills)*
8. *Body Language Importance for Success*
9. *Team Work & Leadership Qualities*
10. *Effective Interview Skills*
11. *Presentations*
12. *Etiquette and Manners*

13. *Time Management*
14. *Personality Development*
15. *Decision Making*
16. *Conflict and Conflict Management*
17. *Stress Management*
18. *Leadership Skills*
19. *Developing Emotional Intelligence.*
20. *Positive Thinking & Attitude.*