

CURRICULUM VITAE



Dr Ruksar Fatima
Vice Principal
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CAREER OBJECTIVE: -

To work with dedication and sincerity. To motivate the students towards research activities rather than fixed curriculum. Presently working in KBN College of Engineering for the past 15 years as a dedicated, resourceful education professional. Wish to prove ability to create and monitor policies and practices that promote a safe learning environment, ensure the college culture that encourages continuous improvements for lecturers and students, develop an environment that encourages the staff and students in the research and development of the college.

EXPERIENCE: -

1. Role: - Lecturer

Institution: - KBNCE

Duration: - 2002 to 2008

Roles and Responsibilities: -

- Started working at KBN College of Engineering as a lecturer in Department of Electronics and Instrumentation.
- Responsible for making the Department time table and also was coordinator for Seminars and Project Work of students.
- Got promoted as Head Department of Bio –Medical Engineering in the year 2006.
- Convener of hospitality committee in during NBA committee visit to college in 2006.
- Responsible in setting up the Department of Bio-Medical Engineering and also all the lab equipment's were procured under my supervision.

2. Role: - Assistant Professor

Institution: - KBNCE

Duration: - 2008 to 2013

Roles and Responsibilities: -

- Started the Research and Development Cell for in house projects and conducted the projects for all departments in the year 2008 and 2009.
- Alumni cell was created in the year 2010 and the data base for alumni was created.
- The First International Conference on “Nano Science and Nano Technology” was convened in the year 2011.
- The first on campus alumni meet was convened in the year 2013.
- Student internship program for Bio-Medical students with proper certifications was designed.\

3. Role: - Professor

Institution: - KBNCE

Duration: - 2013 till date

Roles and Responsibilities: -

- Visited Jeddah for the alumni meet in the year 2014.
- Started alumni chapters in Jeddah, Dubai, Mumbai and Delhi.
- Published the papers in international Journals.
- Series of lectures were designed and presented in Bangkok and Goa for the skin lesion awareness organized by B.Bessons lap-publishing-house.

4. Role: - Vice Principal

Institution: - KBNCE

Duration: - December 2014 till date

Roles and Responsibilities: -

- Promoted as Vice Principal and Examination In charge for KBNCE in the year 2014 December.
- Completed Ph.D. in the year 2016 January from JNTU Hyderabad.
- Disbursed the duties of examination coordinator by taking up the responsibility of chief supervisor throughout the examination periods for all the past three exams.
- Got appreciation letters consecutively for past three exams for proper conduct from VTU.(2015-2016)
- Convener for Women’s Day celebration with co-curricular activities on campus from 2015.
- Convener for Workshop on “Empowering Women Empowering Humanity” at KBNCE campus.
- Attended alumni meet on December 28th 2015 at Delhi.
- Coordinator for NAAC report preparations at KBNCE
- **Head of Dept. for Computer Science and Engineering 2016 till date**

EDUCATION: -

Degree	University	Year Of Passing	Name Of Institution	Percentage
Ph.D.(CSE)	JNTU HYDERABAD	2016	JNTU	
M.Tech (CSE)	VTU BELGAUM	2003	KBNCE	64.45% aggregate
MBA	PTU,Jalandhar	2012	ELITE GROUP OF STUDIES	72%
BE(E&Inst)	GUG, Gulbarga	1999	KBNCE	77%
Intermediate	Board of Intermediate, Hyderabad.	1994	Sri Padmavati Jr. College.	60%
SSC	Board of Secondary, Hyderabad.	1992	St. Maaz Public School	70%

RESEARCH PROJECTS/ ACADEMIC PROJECTS: -**1. Ph.D. THESIS: -****Jawaharlal Nehru Technological University, Hyderabad****TITLE: Segmentation Techniques of Medical Image Processing For Skin Lesion Recognition**

Under the guidance

Supervisor

Dr. Mohammed Zafar Ali Khan

Professor & Head of the Department Electrical Engineering,
IIT Hyderabad

Co-Supervisor

Dr. A. Govardhan

Principal, JNTU College Of Engineering Technology.
JNTU Hyderabad

Melanoma is the most widely occurring and life threatening form of skin cancer. Early detection of in situ melanoma has challenged researchers for many decades now. Currently there exists no computer aided mechanisms to accurately detect early melanoma. The currently existing computer aided diagnostics mechanisms are capable of melanoma classification and are unable to detect in situ melanoma. The thesis introduces a Multi Parameter Extraction and Classification System (*MPECS*) to aid early detection of skin cancer melanoma. The *MPECS* defines the skin lesion images in terms of characteristic parameters which are further used for classification. In the thesis the extraction of 21 parameters is achieved using a six phase approach. The parameters extracted are analyzed using statistical methods. It is clear from the results obtained that no single parameter can affirm the detection of in situ melanoma, hence an advanced analysis mechanisms considering all the parameters need to be adopted to effectively detect melanoma in its initial stages.

The *MPECS* adopts a supervised machine learning algorithm for classification. The dermoscopic images are represented by extensive parameter sets extracted using a six phase approach. The thesis discusses the operation of the *MPECS* in the training and testing phase. The adoption of the Multilayer Feed Forward Neural Network (MFNN) classifier is justified, its proficiency in accurately diagnosing and classifying early signs of skin cancer melanoma in dermoscopic images of skin lesions is proved through the experimental results discussed in the manuscript.

2. M.Tech PROJECT

Title: A Crypto Algorithm For Network Security

To develop a crypto-algorithm, which could be used in a satellite based communication network. Major points that are covered in the main objective:

The main objective is to study network security present state of art and the security requirements and to develop a highly crack resistant crypto algorithm using Rajan Transform, which could be used to encrypt data. To study the theoretical details involved in developing the required original crypto algorithm. To develop a computer simulation of the encryption algorithm. To study the technical details related to authentication, ciphering, synchronization and other security amenities. To study design details and circuit schematics of the crypto system. To study technical details of key management system. To study technical and operational details of crypto features management system like altering the data formats number of permutations in the key sequences and data sequences, setting the parameters required by an algorithm choosing a crypto algorithm.

Demand Assigned Multiple Access is the technology of the day in the field of satellite communication. Information exchange of voice and other digital data is a day to day requirement but the communication should be secured and protected from intercept. Propelled by this requirement people generally go in for off the shelf encryption decryption hardware units supplied by the manufacturers of telecommunication equipment. This leads to a threat to the security involved in the information exchange. In

order to overcome this difficulty one has to develop a crypto algorithm starting from design principles which would guarantee state of the art cryptographic technology and the same time security cover to confront any type of intercept threat escalation.

This approach of encryption/ decryption is very unique and also applicable to all environments of textual messages or data. The application of Rajan Transforms to every eight bit file of code makes it different and unique. The secret code involve and the compaction of encryption key are the best assists of this project. The time is very much reduced with the help of embedded processors that are made to substitute in place of small time consuming software programs.

3. B.E .PROJECT

TITLE: REMOTE SENSING AND REMOTE CONTROLLING OF PROCESS PARAMETERS USING PC

In modern industries monitoring and controlling of process parameters at various places is essential. Hence the transmission of signals from the process to the process controller involves standard signals like current signals and pneumatics signals which provide easier interface of control loop as well as for other reasons. Current signal transmission is adopted when a control loop has been implemented using analog electrical signal also. It is most common to transmit the along signal as a current level.

There are three significant points regarding the use of current transmission to represent the controlled variable

Load Impedance

Interchangeability

Measurement Power Supply

In the project turbine type flow meter is used as flow sensor.

The project basically deals with controlling of parameters by sitting at a remote place here we are considering five parameters like pressure , height, flow temperature and delay.

Achievements

1. Reviewer For IJERT (International Journal Of Engineering Research And Technology).

2. Reviewer For IJIRT (International Journal Of Innovative Research In Technology)

3. Editor For IJTRA (International Journal Of Technical Research & Applications)

[Http://Www.Ijtra.Com/Editor](http://Www.Ijtra.Com/Editor)

4. Advisory Board Member For IJESRT (International Journal Of Engineering And Research Technology)
5. Member Of The International Association Of Engineers (IAENG), Hong Kong. IAENG Membership Number Is: 171329
6. Technical Committee Member For 2016 International Conference On Communication, Image And Signal Processing (CCISP 2016) November 18th -20th, Dubai
7. Reviewer In The 6th International Conference On Image Processing Theory, Tools And Applications. December 12th -15th, 2016 At Oulu, Finland.
8. Reviewer In 2016 IEEE International Conference On Signal And Image Processing August 13th -14th, 2016, Beijing, China.
9. Reviewer And Technical Committee Member In 2016 8th International Conference On Graphic And Image Processing (ICGIP 2016) Will Be Held In Tokyo, Japan During October 29-31, 2016.
10. Board Member In International Journal Of Mathematics Trends And Technologies (IJMTT).
11. Technical Committee Member And Reviewer For 2nd International Conference On Frontiers Of Signal Processing (ICFSP 216 Warsaw, Poland. October 15-17, 2016 Hosted By Warsaw University Of Technology, Poland In Association With IEEE.
12. Reviewer For 2016 International Conference On Biomedical Signal And Bioinformatics, To Be Held In November 21-24, 2016 At AUT, New Zealand.
13. Reviewer For International Journal Of Computer Vision And Image Processing(IJCVIP) Which Is A Byproduct Of IGI Global And Belong To *E*- Editorial Discovery.
14. Technical Committee Member For 9th International Conference On Computer Science And Information Technology To Be Held In Limerick City, Ireland On December7-12, 2016.
15. Technical Committee Member And Reviewer At CSEIT Conference Singapore.
16. Technical Committee Member And Reviewer At “7th International Conference On Cloud Computing And Services Science” CLOSER 2017, 24th -26th April 2017, At Porto, Portugal.
17. Technical Committee Member And Reviewer For International Conference On Signal Processing(ICOSP 2016) To Be Held At Limerick City, Ireland On December 8-11 2016.

18. Convener For Two Day Workshop On BIG DATA ANALYTICS AND HADOOP At KBN College Of Engineering On 28th -29th September 2016.

19. Technical Committee Member For 2nd International Conference On Communication, Image And Signal Processing (CCISP 2017) To Be Held In Shenzhen, China During Nov.17-19, 2017. CCISP 2017 Is Organized By Asia Pacific Institute Of Science And Engineering

20. Convener For National Seminar Held At KBN College Of Engineering On 4th April 2017 On The Topic “Women: Deserve To Be Safe”.

21. Technical Committee Member For International Conference On Advances In Image Processing Bangkok, Thailand August 25-27, 2017.

22. Technical Committee Member And Reviewer For 5th International Conference On Information Technology And Science (ICITS), China Agricultural University, Beijing, China During June 25-27, 2017.

23. Technical Committee Member And Reviewer For International Conference On Imaging, Signal Processing And Communication (ICISPC 2017). July, 26-28, 2017 At TORAY Building, University Saints Malaysia Main Campus, Penang.

24. Scientific Committee Member For International Conference On Artificial Intelligence And Data Processing (IDAP17) Will Be Held During September 16-17 2017, In Inonu University Turgut Ozal Congress And Culture Center.



25. Technical Committee Member For The 2017 9th International Conference On Graphic And Image Processing (ICGIP 2017) Will Be Held In Qingdao, China During October 14-16, 2017, Supported By Ocean University Of China.

26. Technical Committee Member For 2017 International Conference On Visualization, Graphics And Image Processing (CVGIP 2017) Will Be Held In Hong Kong During Oct. 20th-22nd, 2017. CVGIP 2017 Is Organized By Hong Kong International Society Of Academic Research (HKISAR).

27. Technical Committee Member For Conference On Information Science And System (www.iciss.org), Jeju Island, South Korea During April 27-29, 2018.

28. Technical Committee Member At 1st International Conference On Vision, Image And Signal Processing At Osaka, Japan On 22-24th September 2017.

29. Technical Committee Member At 6th International Conference On Information Technology And Science (ICITS). ICITS 2018 Will Be Held In [Bangkok, Thailand](#) During 28-30, 2018. [Http://icits.org/](http://icits.org/).

30. **Technical Committee Member For** 3rd International Conference On Signal And Image Processing (ICSIP 2018) Is Hosted By Shenzhen Research Institute, Southeast University, China. It Will Be Held In Shenzhen, China On July 13-15, 2018.

31. Technical Committee Member For 6th International Conference On Information Technology And Science (ICITS 2018), Will Be Held In [Bangkok, Thailand](#) During June 28-30, 2018.

PUBLICATIONS

1. Ruksar Fatima, Mohammed Zafar Ali Khan, A. Govardhan and Kashyap Dhurve. "Computer Aided Multi-Parameter Extraction System to Aid Early Detection of Skin Cancer Melanoma ",IJCSNS International Journal of Computer Science and Network Security, Vol. 12 No. 10 pp. 74-86.2012

2. Ruksar Fatima,Dr.Mohammed Zafar Ali Khan,Dr. A. Govardhan, KashyapDhurve "DETECTING IN-SITU MELANOMA USING MULTI PARAMETER EXTRACTION AND NEURAL CLASSIFICATION MECHANISMS International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 -6367(Print), ISSN 0976 - 6375(Online) Volume 4, Issue 1, January- February (2013), © IAEME impact factor:3.9580

3. Ruksar Fatima, Mohammed Zafar Ali Khan, A. Govardhan.ICCCE-2012 INTERNATIONAL CONFERENCE ON COMPUTING AND CONTROL ENGINEERING ISBN 978-1-4675-2248-9 2012 PUBLISHED BY COMIMBATORE INSTITUTE OF INFORMATION TECHNOLOGY" DETECTION OF MELANOMAS USING DATA MINING"

4. Ruksar Fatima, Mohammed Zafar Ali Khan, A. Govardhan INTERNATIONAL CONFERENCE ON LATEST TRENDS IN NANO SCIENCE AND NANO TECHNOLOGY “IMAGING SYSTEM WITH DECISION SUPPORT FOR INSPECTION OF PIGMENTED SKIN LESIONS ANSS MELANOMA DIAGNOSIS”

5. Ruksar Fatima, Head Dept. Of Bio-Medical Engg KBNCE, Gulbarga Dr. Zafar Ali Khan, IIIT Hyderabad Dr A. Govardhan, Director Evaluation JNTU Hyderabad INTERNATIONAL CONFERENCE ON LATEST TRENDS IN NANO SCIENCE AND NANO TECHNOLOGY” The ABCD Formula for Melanoma Diagnosis Using C4.5, a Data Mining System”.

6. Ruksar Fatima, Mohammed Zafar Ali Khan, A. Govardhan NATIONAL CONFERENCE ON APPLICATIONS OF DATA MINING IN MANAGEMENT OF METABOLIC AND DEGENERATIVE DISORDERS”Melanoma Recognition Using Representative and Discriminative Kernel Classifiers

7. Asma Parveen, Sana Fatima, Dr. Ruksar Fatima “Cloud Shield: To Prove Credibility of Cloud Services by Consumer Feedback” International Journal Of Science and Technology Research, Volume 5, Issue 5, May 2016 **Impact Factor 3.19.**

8. Dr. Ruksar Fatima, Umera Banu, Asma Parveen “Low Power Embedded System for Development of Portable Insulin Injection Pump” International Journal of Innovative Research in Technology, Volume 2 Issue 12 May 2016 **Impact Factor 2.1**

9. International Journal Of Engineering Sciences & Research Technology Access Privilege Control To Protect Cloud Data By Using Anonymous Attribute Dr. Ruksar Fatima, Aadela Nishat , Prof. Shameem Akhtar *Department of Computer Science and Engineering, Khaja Banda Nawaz College of Engineering, Kalaburagi, Karnataka, India. **ISSN: 2277-9655 Impact Factor: 3.785**



10. Dr Ruksar Fatima, Tabassum Nahid , Haleem Bhadur “A Review on Bridging \((Reducing) the SG (SEMANTIC Gap)) in CBIR and Annotation”. International Conference on Emerging Trends in Engineering and Technology Pune, 22nd May 2016.

11. Umera Banu , Dr G.M.Patil, Dr Ruksar Fatima “Intelligent Patient Monitoring

System Based on PC with Microcontroller” International journal of Innovative Research in Science, Engineering and Technology, **Vol 5, Issue 6, June 2016. Impact Factor 6.209.**

12.Dr. Ruksar Fatima, Prof Feroza Mirajkar, Prof .K.B.Pawar,”a Novel Technique for Face Identification”. International Journal of Innovations in Engineering Research and Technology(IJIERT) , Impact Factor 3.535.

13. Dr. Ruksar Fatima, Prof Hashmathunnisa,Prof Feroza Mirajkar”Simulation of Positron Emission Tomography for Lung Cancer Analysis”,IJRET, Volume 5, Special Issue 21; ICRIET 2016.Impact Factor 3.935, INDEX COPERNICUS VALUE 49.63.

14. Dr. Ruksar Fatima,Prof Feroza Mirajkar “Innate and Artificial Entity Recognition on Satellite Images by level Set Evolution and Knn Classification” International Conference on Recent Innovations in Engineering(ICRIE-16) held at Hirasugar Institute of Technology, Nidasoshi on 8th and 9th October 2016.

15.Dr G.M. Patil, Prof Umera Banu, Dr Ruksar Fatima” A Survey on Sources of Noise and Advanced Noise Removal Techniques of Biosignals “International Journal on Emerging Technologies - Spacial issue on ICRIET-2016 Vol. 7(2).

16. *Dr. Ruksar Fatima, Shaik Humera Tauseef and Rohina Khanam*”Robust approach for spectrum sensing and spectrum allocation using cooperative game theory approach in cognitive radio wireless sensor networks” International Journal on Emerging Technologies - Special issue on ICRIET-2016 Vol. 7(2).

17. Dr. Ruksar Fatima, Shaik Humera Tauseef And Rohina Khanam“ Designing a framework for Device-to-Device Communications In LTE-Advanced Network” International Journal on Emerging Technologies - Special issue on ICRIET- 2016 Vol. 7(2).

18.Dr Ruksar Fatima, laxmi Math, ” A Survey paper on Diabetes Retinopathy” International Journal of Engineering Research in Computer Science and Engineering” Volume 4, Issue 9. IMPACT FACTOR: 4.890

19. .Dr Ruksar Fatima, Joythi Neginal “A Fuzzy Logic Based Techniques for content based image Retrieval and Digital Data Transmission”. International Journal of Engineering Research in Computer Science and Engineering” Volume 4, Issue 9. IMPACT FACTOR: 4.890

20. International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization) Website: www.ijrcce.com Vol. 5, Issue 6, June 2017 Copyright to IJRCCE DOI: 10.15680/IJRCCE.2017. 0506019 11132 Vehicular Protected Data Transmission over Dual Authentication Algorithm Uzma Farheen, Dr.Ruksar Fatima.

21. IJESRT INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY DETERMINING FALSE ATTACKS USING DDSGA TECHNIQUE Dr Ruksar Fatima*, Mohd Shafiuddin * Department of Computer Science & Engg, KBNCE, VTU, Gulbarga, India

Book's Written

1. <https://www.interlinepublishing.com/title-cover/large/caf591ac8e3ef54ba4d4046650e5971e.jpg>

PERSONAL DETAILS

NAME: Dr. RUKSAR FATIMA
Father's Name: Syed Qutubuddin
Date Of Birth: 03-10-1977
Nationality: Indian
Marital Status: Married
Address : 5-754/b
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Kalaburagi

I, hereby declare that the above information is true to the best of my knowledge.

Date: 17/10/2017
Place: Kalaburagi

Dr. Ruksar Fatima

REFERENCES: -

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