

## BIODATA

Name	<b>Dr.K.S.R.RADHIKA</b>
Father	<b>Prof K.Venkateswara Rao</b>
Qualification	<b>Ph.D.</b>
Date of Birth	<b>15/07/1973</b>
Total Experience	<b>24 years</b>
Department	<b>Computer Science and Engineering</b>
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### **Academic Performance :**

S.No	Course	Institution	Specialization	Division	Year of Passing
1	Ph.D.	JNTUH, Hyderabad	Computer Science and Engineering	-	2020
2	M.Tech	KL College of Engg, Vaddeswaram, Acharya Nagarjuna University	Computer Science and Engineering	FIRST CLASS with DISTICNTION	2004
3	B.Tech	S.V.H. College of Engg, Machilipatnam, Nagarjuna University	Civil Engineering	FIRST CLASS	1996
4	Inter mediate	D.N.R.College, Bhimavaram	M.P.C	FIRST CLASS	1990
5	X Class	St. Mary's High School, Bhimavaram	-	FIRST CLASS	1988

### **Experience:**

**Total Experience : 24 years**

### **Teaching**

- : 1) Working as Professor in TKR College of Engineering and Technology, Hyderabad from Jan2022 to Till Date.  
2) Working as Associate Professor in S.R.K.R. Engineering College, Bhimavaram from Feb2020 to Jan2022.

3) Working as Associate Professor in D.M.S.S.V.H. College of Engg, Machilipatnam from Mar2007 to Feb2020.

4) Worked as Lecturer(Assistant Professor) in D.M.S. S.V.H. College of Engg, Machilipatnam from Oct 2004 to Mar 2007.

5) Worked as Lecturer(Assistant Professor) in K.L. College of Engg, Vijayawada from Mar 2004 to Oct 2004.

6) Worked as Senior Faculty in SSI Pvt Ltd, Machilipatnam from Sep 2001 to Sep 2002.

#### **Industrial**

:1)Worked as Software Engineer in KM Systems Pvt Ltd, Hyderabad from Mar 2000 to July 2001.

2)Worked as Software Programmer in Pacific Micro Systems, Hyderabad from Nov 1997 to Jan 2000.

#### **Research Area**

: Digital Image Processing

#### **Supervisors:**

: Dr. V. Kamakshi Prasad,  
Director of Evaluation,  
Professor in CSE  
JNTUH,  
Hyderabad.  
Dr Ch. Venkateswara Rao,  
National Remote Sensing Centre,  
Balanagar,Hyderabad.

#### **Awards**

: **Best Women Reasearcher Award**  
**Prof.Korukonda Apparao Memorial Award**

#### **Memberships of professional society:**

1. Computer Society of India
2. Institution of Engineers
3. Indian Society of Technical Education
4. The Institution of Electronic and Telecommunication Engineers
5. International Association of Engineers
6. Society of Learning Technologies

#### **Subjects handled so far:**

Computer Programming with C, Data Structures, Advanced Data Structures, Object Oriented Programming, Java Programming, Operating System, Data Structures-II, Automata Theory & Formal Languages, Digital Image Processing, Design & Analysis of Algorithms, Data Communications, Java Programming, Neural Networks, Data Mining, Embedded Systems, Data Base Management System, File Structures, Computer Networks, Unix Programming, Machine Learning, Internet of Things, Artificial Intelligence

**Labs handled so far:**

Computer Programming with C Lab, Data Structures Lab, Object Oriented Programming Lab, DBMS Lab, File Structures Lab, Advanced Data Structures Lab, Design & Analysis of Algorithms Lab, Java Programming Lab, Computer Networks Lab, Unix Programming Lab, J2EE Lab, Software Engineering Lab, Data Mining Lab

<b>Patents</b>	:	<b>National : Nil</b>	<b>International : 1</b>
<b>Publications</b>	:		
<b>Conferences</b>	:	<b>National : 3</b>	<b>International : 3</b>
<b>Journals</b>	:	<b>National : Nil</b>	<b>International : 13</b>
<b>Book Chapters</b>	:	<b>2</b>	

**Australian Patents:**

Application No. 2020101867

Date of Filing: 18/8/2020

Publication Date: 9/9/2020

Grants: Yes

Title: "Design and Implementation of a Disaster Management System using IoT and Cloud Computing techniques for a Connected Buildings to save lives with Early Warnings"

Authors: C.T.Manimegalai; R.Raju; S.Ramesh; N.Vijayalakshmi; Swaminathan Arulnanthisivam; K.Sakthidasan Sankaran; K. S. R., Radhika; E.Dhiravidachelvi; Chandrakant Dhage Pradeepkumar; Warhade Krishna K.

**Papers presented in International Journals:**

1. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, "A Novel LISS III Swath Extension through Wider AWiFS Swath and SVM Training and Learning", International Journal Simulations, System, Science and Technology, 2018, pp. 8.1-8.11, doi: 10.5013 / IJSSST.a.19.06.08.
2. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, "Spatial Enhancement of AWiFS along Wider Swath using NSCT", International Journal of Engineering & Technology, 7(3.12), 2018, pp. 474-480.
3. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, 2018. "Comparision of Pixel Based Classification Using Kappa Analysis", International Journal for Research in Engineering Application & Management, Vol. 04, Issue. 03, pp. 797-800, doi: 10.18231/2454-9150.2018.0424.
4. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, "Spatial Resolution Enhancement using Fusion and Regression", International Journal in Advanced Engineering and Technology, Vol. 13, No. 23, 2018, pp. 16513-16518.
5. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, "A Growth Model for Internet Connectivity in India", International Journal of Recent Innovation in Engineering and Reasearch, Vol. 2, Issue. 8, 2017, pp. 93-99.

6. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, S. V. Subramanyam, "A Regression Model for the Grades of Students of Database for Prediction" International Journal of Research in Computer and Communication Technology, Vol. 3, Issue. 6, 2014, pp. 681-684.
7. B.Naga Jyothi, K.S.R.Radhika, Dr.I.V.MuraliKrishna, "Image Analysis based on Spectral and Spatial Grouping" International Journal of Application or Innovation in Engineering & Management, Vol.2(3), pp. 486-490, March 2013, (ISSN: 2319-4847)
8. B.Naga Jyothi, K.S.R.Radhika, Dr.I.V.MuraliKrishna, "Supervised Classification of Multispectral Image & Accuracy Assessment" International Journal of Engineering Research & Technology, Vol.1(9), pp.1-6,November 2012, (ISSN: 2278-0181)
9. Raja Krishnamoorthy, E.Kavitha, V.Beslin Geo, K.S.R.Radhika, "A Biasing Based Current Mode Analog Front-End For Biomedical Applications", MaterialsToday:PROCEEDINGS Journal - Elsevier, 2021, ISSN 2214-7853, ISSN 2214-7853 (Online).
10. B.Srikanth, Swarajya Lakshmi V.Papineni, Gutta Sridevi, D.N.V.S.L.S.Indira, K. S. R. Radhika, Khasim Syed, "Adaptive XGBOOST Hyper Tuned Meta Classifier for Prediction of Churn Customers", Intelligent Automation & Soft Computing - Tech Science, IASC, 2022, Vol.33, No.1, DOI: 10.32604 / iasc.2022.02242.
11. S.Manikandan, K. S. R. Radhika, M.P.Thiruvenkatasuresh, G.Sivakumar, "Deepq: Residue Analysis of Localization Images in Large Scale Solid State Physical Environments", AIP Conference Proceedings 2398(1), 020078, 2022, DOI: 10.1063 / 5.0074142.
12. K.Vijayan, G.Shanthi, K.S.R.Radhika, L.Raja, "Smart development in the growth of plants using hydroponics and internet of Things", AIP Conference Proceedings 2398(1), 020078, 2022, DOI: 10.1063 / 5.0074135.
13. Dr.K.S.R.Radhika, Venkata Sai Sri Surya Nudurupati, Mohd. Sofi, Pole Sindhu, N.Karthikeya, "Indoor Location Based Navigation", International Journal of Science and Management Studies, Aug 2022, Vol.5, Issue.4, DOI: 10.51386/25815946/ijisms-v5i4p108.

#### **Papers presented in International Conferences:**

1. K. S. R. Radhika, C. V. Rao, V. Kamakshi Prasad, "Image Fusion Techniques for Spatial Enhancement of AWiFS Sensor Data", International Conference on Small Satellites, RCI, DRDO, Hyderabad, 2019.
2. K.S.R.Radhika, Dr. Ch.Venkateswara Rao, Dr.V.Kamakshi Prasad, "Improving the Spatial Resolution of AWiFS sensor data using LISS III and AWiFS DataPair with Contourlet Transform Learning", 2<sup>nd</sup> International Conference on Computational Intelligence & Informatics, JNTUH, Hyderabad, A.P., Sep 2017.
3. K.S.R.Radhika, Dr. Ch.Venkateswara Rao, Dr.V.Kamakshi Prasad, "Enhancement of AWiFS Spatial Resolution with SVM Learning", 6<sup>th</sup> International Advanced Computing Conference, SRKRCE, Bhimavaram, A.P., Feb 2016, 978-1-4673-8286-1/16 IEEE DOI 10.1109/IACC.2016.42, pp. 178-183.

### **Papers presented in National Conferences:**

1. K.S.R.Radhika, B.Naga Jyothi, Dr. Ch.Venkateswara Rao, Dr.V.Kamakshi Prasad, "Accuracy Assessment of per pixel Based Classification" Proceedings of National Conference on VSLI, Signal Processing and Embedded Systems, VNRVJIET, Hyderabad, A.P., August 2012, pp.73-77
2. B.Naga Jyothi, K.S.R.Radhika, "Spectral Grouping for Image Classification", Proceedings of National Conference on Advances in Assitive and Mainstream, Technologies, for Persons it Special Needs, Sri Vishnu Engineering College for Women, Bhimavaram, A.P., March 2013, pp. 23-24
3. B.Naga Jyothi, K.S.R.Radhika, "Image Segmentation Based On Spectral Classification" Proceedings of National Conference on Emerging Trends in Communications & Signal Processing, Aurora's Seethaiah Engineering College, Patancheru, Medak Dt., A.P., February 2013, pp. 5(Abstract)

### **Book Chapters:**

1. Dr. K.S.R. Radhika, L.Sai Ganesh, M.Harish, K.Pavankanth, K.Sai Kiran Reddy, "Machine Learning Framework to Detect Lung Cancer" in Recent Developments in Deep Learning Applications: Healthcare and Agriculture by Elsevier SSRN, No.3, ISBN : 978-93-5680-798-3, DOI: 10.48047/IJIEMR/V11/SPL ISSUE 07/01.
2. Dr. K.S.R. Radhika, Pallerla Pranav , Pudari Keerthana , N.SaiAdarsh , MD.Mansoor Khan, "Recommendation System for Intense Compassion Evaluation and Multi Source View Fusion Throughout Social Networking Sites" in Recent Developments in Deep Learning Applications: Healthcare and Agriculture by Elsevier SSRN, No.13, ISBN : 978-93-5680-798-3, DOI: 10.48047/IJIEMR/V11/SPL ISSUE 07/01.