Dr. S. Srinivas Kumar
M.Tech., Ph. D (IIT KGP)
Vice-Chancellor
Jawaharlal Nehru Technological University Anantapur
Ananthapuramu – 515 002, Andhra Pradesh, India

Contents of Biodata

Biodata

1. Personal Information

Name	:	Dr. Samayamantula Srinivas Kumar
Parents	:	(Late) Shri S. Satyanarayana Rao Smt. S. Lakshmi Devi
Official Address	:	Professor of ECE @ JNT University Kakinada On deputation as Vice-Chancellor Jawaharlal Nehru Technological University Anantapur, Ananthapuramu – 515 002 Andhra Pradesh (India) Phone : 091-8554 - 272438 (Off) Fax : 091-8554 – 272436 (Fax) Mobile : 091-80089 - 17555 091-94401 - 44987
Residential Address	:	Door No. 20-6A-3 Lakshmi Bhavan State Bank North Road Kakinada – 533 001 Andhra Pradesh (India) Phone: 091-884-2379787 (Resi@Kakinada) Mobile: 091- 94401- 44987
E-mail	:	samayamantula1963@gmail.com vc@jntua.ac.in
Nationality	:	Indian
Religion	:	Hindu
Category	:	OC
Date of Birth & Place of Birth:		28th March, 1962 Ryali – 533 236 (Near Ravulapalem) East Godavari District Andhra Pradesh, India
Marital Status	:	Married in 1989 (wife: Smt S.Usha Sukanya) Blessed with two daughters

2. Educational Qualifications

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	Indian Institute of Technology, Kharagpur	Digital Image Processing	2003
2.	M.Tech	JNT University, Hyderabad/ JNTU College of Engg., Kakinada	Instrumentation & Controls	1987
3.	B.Tech	Nagarjuna University, Nagarjuna Nagar / V.R.Siddartha Engg. College, Vijayawada	Electronics & Communication Engg.	1985

Details of Doctoral thesis:

Area   :   Digital Image Processing

Title   :   "Fuzzy-Set Theory, Rank Correlation and Zernike Moments based Two Frame Stereo Matching Algorithms"

Supervisor   :   Professor B.N.Chatterji, Indian Institute of Technology, Kharagpur

Year of award of Ph.D :   2003

3. Professional & Administrative Experience

3.1 Professional Experience:

S.No.	Institution/Organization	Position held	Dates	Duration
1.	JNTU College of Engg. Kakinada	Professor of ECE[*]	31-05-2003 To Till date	17 yrs
2.	JNTU College of Engg. Kakinada	Associate Professor Dept of ECE	22-10-1999 To 30-05-2003	3 yrs 7 months
3.	JNTU College of Engg, Kakinada	Lecturer in ECE Dept. re-designated as Assistant Professor	07-01-1988 To 21-10-1999	11 yrs 9 months
4.	JNTU College of Engg. Anantapur	Lecturer in ECE Dept. re-designated as Asst Professor	30-04-1987 To 05-01-1988	8 months 6 days

* Deputed as Vice Chancellor Jawaharlal Nehru Technological University Anantapur since 12-12-2017 (date of order 08-12-2017)

3.2 Administrative Experience:

S.No.	Administrative Post held	Duration
1.	Vice-Chancellor Jawaharlal Nehru Technological University Anantapur	2017 – Till date
2.	Co-ordinator UGC-Inter University Centre for Teacher Education, Kakinada	2013 – 2017
3.	Director (R & D) Jawaharlal Nehru Technological University, Kakinada	2011 – 2017
4.	Director (Sponsored Research) Jawaharlal Nehru Technological University Kakinada	2009 – 2011
5.	Head of the Department Electronics and Communication Engineering JNTU College of Engg., Kakinada (Andhra Pradesh)	2006 – 2009
6.	Nodal Officer to implement World Bank project Technical Education Quality Improvement Programme (TEQIP–phase 1) at JNTU College of Engineering, Kakinada	2005 – 2009
7.	Training and Placement Officer JNTU College of Engineering, Kakinada	2001 – 2005

Activities and Innovative initiatives as Vice-Chancellor

o **Initiatives for Academic development**

❖ New collaborative courses, M.Tech(IoT) (in collaboration with Efftronics Vijayawada) and MBA (FinTech) (in collaboration with Oracle corporation), MBA (Business Analytics)

❖ New UG programmes, viz., B.Tech (Food Technology), and PG programmes, viz., M.Tech (power drives), etc.

❖ Workshops/Conferences and Hackathons/webinars and Global webinar in advanced areas of Engineering and society relevant topics, viz., Development of Rural economy, etc.

❖ Strengthening Directorate (R&D) with new guidelines for Research publications and patents, etc.

❖ Organizing Tech VC conclave in the university campus with 70 Vice-Chancellors & 15 distinguished dignitaries from AICTE, NBA, NAAC & UGC, etc., and 180 Principals, in collaboration with VTU, Belgavi

❖ Innovative procedures for examination (on-line) and evaluation system in affiliated institutions

❖ On-line coaching classes for GATE and GPAT, to aspirants in Andhra Pradesh for PG studies in reputed higher learning institutes, in critical times of COVID -19.

❖ Starting Institute of Advanced Studies, with all self-supporting PG programmes in advanced areas of Engineering discipline

- ❖ 34th Rank in 63 institutions considered in Nation, by Times Higher Education, UK and listed in 1001+, for the year 2019-20.
- ❖ Revision of Syllabi of UG programmes in tune with AICTE with industry / society relevant projects
- ❖ Establishment of Consortium of Institutions for Library resources to reduce prices for procurement of Journals, magazines, etc.
- ❖ Establishing Centre for Universal Human values and offering the course in UG programme
- ❖ 18th rank out of top 23 Technical Universities in India, in 2020, in terms of Academic excellence, Infrastructure, Placements, diversity & outreach, etc.

o **Initiatives for Infrastructure development**

- ❖ Green Initiatives, by planting more than 5000 plants of Horticulture, and develop the greenery, with drip irrigation
- ❖ Acquiring additional land of 30.91 acres for further development of the University
- ❖ Installing 1.5 MW Solar energy panels, to reduce the tariff in three constituent institutions and solar street lights in one of the constituent institutions
- ❖ Electrical vehicle within the campus to facilitate the girl students, handicapped persons to avail the transport facility within the campus
- ❖ Nearing completion of Construction of New Academic & Administrative Builidngs, worth Rs.125 crores and planning for construction of other hostel and MBA blocks, etc., worth Rs. 80 crores
- ❖ Strengthening Centralized computer centre and planning for extension of campus wide networking

o **Other development activities and availing financial resources**

- ❖ Recruitment of faculty positions (09 professors), and implementation of CAS for the faculty and promotions to staff strictly following UGC guidelines
- ❖ Funding from MSME (98 lakhs) to establish IPR facilitation centre,
- ❖ Establishment of Food Testing Laboratory (6.395 crores) in JNTU Kalikiri campus sponsored by Ministry of Food processing Industries (MoFPI)
- ❖ Increase in campus recruitments through pool drives
- ❖ Emphasis for skill development centre and trained more than 15000 members
- ❖ Solution to the major water problem in one of the constituent colleges
- ❖ Funding from UGC & AICTE and utilizing the financial resources properly
- ❖ Invocation song of the Univesity, to glorify the University in every platform
- ❖ Enhancing the quality of JNTUA Anantapur webportal
- ❖ Strengthening the Industry interaction with TCS Hyderabad and Efftronics Ltd., etc.
- ❖ Obtaining DSIR Certificate to avail the customs and Central excise duty exemption
- ❖ Establishing the software development centre and initiating the development of required software for the University and its constituent colleges

- ❖ Two times inspection by PCI to Pharmacy institution to increase admission strength from 60 students to 100 students
- ❖ Implementation of National Academic Depository through NSDL.
- ❖ Initiating the implementation of Bio-metric attendance
- ❖ Re-drafting the statutes of the University as per the AP State Act and relevant GOs'

Achievements as Co-ordinator, Inter University Centre for Teacher Education:

- ❖ Registration of IUC – TE society
- ❖ Active interaction with UGC officials to organize the programmes
- ❖ Inauguration of IUC – TE presence of Chairman, UGC, New Delhi
- ❖ Organized the workshops to faculty of various institutions

Achievements as Director (R&D):

- ❖ Guidelines were developed for the research scholars admitted from 2012-13
- ❖ Introduced Anti-Plagiarism check (Turnit-in) for improving the quality of thesis
- ❖ Review committee meetings were conducted to review the research of the scholars
- ❖ Sanction of 10.65 Crores of financial assistance from UGC under XII Plan
- ❖ Obtained DSIR certificate (2011-14, 2015-18) for customs and Central excise duty exemption
- ❖ Streamlined the procedures of the Directorate

Achievements as Director Sponsored Research:

- ❖ UGC – Sec 2 (f) & Sec 12(B) status to the University
- ❖ Sanction of 10.65 Crores financial assistance from UGC XI plan
- ❖ Organized workshops for the interaction with Industries & higher learning institutes
- ❖ Sanction of Rs.75 Lakhs from Ministry of Food Processing Industries to start M.Tech (Food Processing Technology)
- ❖ Actively involved to get the grants from DRDO and DST

Achievements as Head of the Department :

- ❖ Active role in implementation of TEQIP project in the Department
- ❖ Developed Signal & Image Processing laboratory
- ❖ Developed state of the art computer laboratories
- ❖ Improvement in the ambience of the department
- ❖ Networking with the faculty of higher learning institutes
- ❖ Modernization of Electronics Laboratories
- ❖ Revision of UG & PG syllabi as Chairman – BoS for autonomous institute

Achievements as Nodal officer (TEQIP):

- ❖ Implemented World Bank Project worth Rs.11.258 crores
- ❖ Developed the Campus wide Networking at JNT University, Kakinada Campus
- ❖ Active role in procuring equipment, software, and Furniture worth Rs. 9.6crores
- ❖ Active role in organizing various training programmes to community
- ❖ First position in combined state of Andhra Pradesh and 11th position in the country out of 127 Institutions in terms of impact evaluation factor in implementing TEQIP

Achievements as Training and Placement Officer:
- ❖ Turnaround to the Institution in campus recruitments
- ❖ Pivotal role in Accrediting the Institute by TCS and L&T etc
- ❖ Organized many Training programmes to improve the soft skills of students
- ❖ Recruited nearly 500 students within the campus in reputed organizations

Other Achievements:
- ❖ 3rd rank in Nagarjuna University in Undergraduate Programme
- ❖ Best teacher award for the year 2010 from ECE Dept., adjudged by 2006-10 Outgoing students
- ❖ Organized NTRVSET Entrance test to select SC & ST candidates for sponsored training to Civil Services examination in the year 2015 & 2016
- ❖ Successfully organized state level entrance Test ECET as Chairman in the years 2018,2019, and 2020.

3.3 MOU's Executed:
1. Formulated Virtual Project based Skills Augmentation Programme with Toople Pvt.Ltd, Singapore & it's Associate Toople Skills Pvt.Ltd. Hyderabad, 2018.
2. Establishment of Food Testing Laboratory at JNTUA College of Engineering, Kalikiri with Ministry of Food Processing Industries, Government of India, 2019.
3. Conducting Seminars, Workshops, Short Term Courses with National Power Training Institute (NPTI), Faridabad, 2019.
4. Collaborative Research Work with National Institute of Technology, Warangal
5. Jointly undertake Start up Activities & Pre-incubation Programmes with ATAL Incubation Centre, Sri Krishnadevaraya University, Ananthapuramu, 2019.
6. Renewable Energy with Varshini Exim Pvt.Ltd & New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP), 2020.
7. Faculty Development Programmes with All India Council for Technical education, New Delhi, 2020.
8. Collaborative PG Programme with Efftronics Ltd., Vijayawada in M.Tech (Internet of Things)
9. MoU with NSDL for National Academic Depository (NAD) and process is progress

4. Teaching Experience:
- ❖ 34 years experience to teach Under Graduate & Post Graduate Courses

4.1 Curriculum Design:
- ❖ Member of Board of studies: Electronics and Communication Engg.
  JNT University, Hyderabad (2007-2009); JNT University, Kakinada (2009)
- ❖ Chairman of Board of studies; Electronics and Communication Engg.
  JNTU College of Engineering, Kakinada
- ❖ Member of Board of studies; Electronics and Communication Engineering
  S V University,Tirupathi.

❖ Chairman Academic Senate standing committee, JNT University Anantapur Ananthapuramu

4.2 Subjects Taught:

Undergraduate courses	Post graduate courses
❖ Electronic Devices and Circuits ❖ Network Analysis ❖ Linear control systems ❖ Microprocessors and Interfacing Techniques ❖ Computer Organization ❖ Digital Signal Processing ❖ C Programming ❖ Analog Communications ❖ Linear IC's and its applications	❖ Network Synthesis ❖ Digital Control Systems ❖ Process Control Instrumentation ❖ Artificial Neural Networks ❖ Non-Linear and Optimal Control systems ❖ Advanced Signal Processing ❖ Digital Image Processing ❖ Transform Techniques

❖ In addition, the laboratories of UG and PG programmes in the areas of Electronics, Signal processing, and Computers have been dealt with.

4.3 Invited Lectures:

❖ More than 85 invited lectures are delivered in reputed institutions, Engineering Staff College of India, and also in UGC Academic Staff College at JNTU Hyderabad, in the areas of Signal and Image Processing, Research Methodologies, Teaching Methodologies, and Artificial Neural Networks, etc.

❖ On-line delivery of lectures during COVID -19, to the students in subject, Electronic Circuits, and also GATE coaching classes to the students of Electronics and Communication Engineering, in 'Electronic Devices' as per the GATE syllabi.

❖ On-line Lectures are delivered during COVID – 19 in the area of Digital Image Processsing : Basics to Advances, to the faculty members in various workshops

❖ Addressing in many webinars, viz., Universal Human Values (organized by AICTE, New Delhi, JNTUA, Anantapur etc.), and also in Memories of the Immortal President Bharat Ratna   Dr. APJ Abdul Kalam (organized by Lead India Foundation USA)
(https://www.facebook.com/pinkjaguarsentetainment/videos/58323542366320/?yh=e&extid=W34rm14wMwKDcMG1&d=n)

❖ GATE coaching classes (Electronic Devices) are also uploaded to Youtube links

(1) https://youtu.be/jzhpuUNGsRc

(2) https://youtu.be/pB9jhDj8IhM

(3) https://youtu.be/UBMjJlVfeeg

(4) https://youtu.be/P9KRK4n5xus

(5) https://youtu.be/xBCt5F1kSRA

(6) https://youtu.be/hB0CMWLhEqw

(7) https://youtu.be/O7QnyR23Fz0

(8) https://youtu.be/rZCNOM_IZA4

- ❖ Addressed in many webinars in various areas, viz., Effect of COVID-19 in higher Education, Rural Economy, etc.

4.4 Examiner:

- ❖ Public service Commissions in various states
- ❖ Osmania University, Hyderabad
- ❖ Nagarjuna University, Nagarjuna Nagar, Guntur
- ❖ Andhra University, Visakhapatnam
- ❖ National Institute of Technology, Warangal
- ❖ AP state level competitive examinations
- ❖ Anna University, Chennai
- ❖ JNT University, Hyderabad
- ❖ JNT University, Anantapur
- ❖ SGGS Institute of Engineering and Technology, Nanded
- ❖ Kakatiya University, Warangal
- ❖ Other Central Government organizations (Confidential)

5. Research Experience

5.1 Funding Projects completed as Co-ordinator:

- ❖ AICTE has sanctioned an amount of Rs.8.00 Lakhs under the 'Modernization & Removal of Obsolescence' in ECE Department, JNTU College of Engineering, Kakinada, to develop '**Microprocessors and Microcomputers Laboratory**' in the year 1996.

5.2 Research Experience and Guidance provided:

Total research experience: 24 years
- ❖ Guided 80+ Undergraduate projects and 50+ Postgraduate theses
- ❖ Guided students to work and present the research papers in student paper contests
- ❖ Presently, supervising Research scholars for their Ph.D

5.3 Details of research scholars, presently working:

S. No.	Names of Research scholars	Area of the Research
1.	Mr. G. S. Naveen Kumar	'Video Retrival'
2.	Mr. M.K. Muinuddin Chisti	'Fault detection in Texture'
3.	Ms. V. Ratna Kumari	'Ear Recognition'
4.	Mr. Mallikarjuna Rao	'Video Retrieval'
5.	Ms. Bhanusri	'Emotion recognition in speech'
6.	Mr. V.G.K. Kasyap	'Satellite Image Segmentation'
7.	Mr K. Durga Ganga Rao	'Facial expression Recognition'
8.	Mr. J. Damodhar	'Image compression'
9.	Mr. Janardhan	'Video inpaintng'

5.4 Areas of Research Interests

- ❖ Signal Processing. Image and Video Processng
- ❖ Artificial Neural Networks
- ❖ Block Chain Technology (Presently Planning)
- ❖ Antennas
- ❖ Applications of Wavelets & other subband decomposition techniques
- ❖ Applications of Fuzzy set theory, Rough Sets & Soft Sets

5.5 Number of Research publications, Books/Monographs:

- ❖ International Journals   :   64
- ❖ National Journals   :   10
- ❖ International Conferences   :   36
- ❖ National Conferences   :   08
- ❖ Books/Monographs/As Editor   :   07

5.6   Performance Indices of Publications: (as 31st July, 2020) (Private domain)

o As per Google Scholar:

- ❖ Number of Research Papers & Books   :   125
- ❖ Total Citations   :   996
- ❖ h -Index   :   16
- ❖ i-10 Index   :   29

o As per Web of Science / Publon (Researcher ID: AAR-9833-2020)

- ❖ Number of Research Papers   :   53
- ❖ Total Citations   :   148
- ❖ h -Index   :   06

o As per Scopus (Scopus Author ID: 56632767500)

- ❖ Number of Research Papers   :   56
- ❖ Total Citations   :   339
- ❖ h -Index   :   09

o As per Statistics of UGC listed publications

Total Journal Publications				Total Conferences				Procs / monographs 07
International: 64		National: 10		International: 36		National:08		
Group-I	Group-II	Group-I	Group-II	Group-I	Group-II	Group-I	Group-II	Group-II
01	49	---	08	---	22	---	02	04

Note: (i) UGC CARE List Group – I - Journals found qualified through UGC CARE protocols
      (ii) UGC CARE List Group –II - Journals indexed in globally recognized databases such
           as Scopus source list and Web of science

o ORCID (ID: 0000-0003-3703-5429)   : 56 papers are linked from Scopus

5.7 Recognized Supervisor:

 ❖ Approved Supervisor to supervise the Research scholars admitted in Vellore Institute of Technology, Vellore

5.8 Reviewer of Research papers:

 ❖ Signal Processing journal, Elsevier publishers.
 ❖ International conferences held at ISI, Kolkata in the areas of Signal & Image Processing

5.9 Number of Research Scholars:

 ❖ Number of Research Scholars Supervised Successfully   : 14
 ❖ Number of Research Scholars under Supervision   : 09

5.10 Proceedings / Monographs co-authored / co-edited:

1. **Kumar S.S**., Chatterji B., "Stereo Correspondence Using a Fuzzy Approach", In: Pal N.R., Sugeno M. (eds) Advances in Soft Computing – AFSS 2002. AFSS 2002. Lecture Notes in Computer Science, vol 2275. Springer, Berlin, Heidelberg, 29 January 2002. (Scopus)

2. Ch. Srinivas Rao and **S. Srinivas Kumar**, "Content Based Image Retrieval: Fundamentals and Algorithms: Basics, Concepts, and Novel Algorithms," Lap Lambert Publishers, Germany, August, 2012.

3. B. Chandra Mohan and S**. Srinivas Kumar**, "Digital Image Watermarking Basics and Algorithms," Lap Lambert publishers, Germany, August, 2012.

4. Co-edited the Proceedings of the International Conference on "Micro Electronics, Electromagnetics and Telecommunications" Proceedings of ICMEET 2015, January 2016, DOI: 10.1007/978-81-322-2728-1, ISSN: 1876-1100, ISBN: 978-81-322-2726-7. (Scopus)

5. Tirupal T., Chandra Mohan B., **Srinivas Kumar S**., "Multimodal Medical Image Fusion Based on Fuzzy Sets with Orthogonal Teaching Learning Based Optimization," In Verma N, Ghoash A (eds), Computational Intelligence Theories Applications and Future Directions – Volume II. Advances in Intelligent Systems and Computing, Vol. 799, Springer, Singapore, 2019. (Scopus)

6. T.Tirupal, B.Chandra Mohan and **S.Srinivas Kumar**, "Medical Image Fusion using UDWT, Fuzzy Sets and Optimization Techniques", a Book Published by 'LAP LAMBERT Academic Publishing', Germany, ISBN 978-620-0-22682-2 on 2nd July 2019.

7. Kishore D., **Srinivas Kumar S**., Srinivasa Rao C. (2019) A Neural Network Approach for Content-Based Image Retrieval Using Moments of Image Transforms. In: Wang J., Reddy G., Prasad V., Reddy V. (eds) Soft Computing and Signal Processing. Advances in Intelligent Systems and Computing,. Springer, Singapore, 17th January 2019. (Scopus)

5.11 Research guidance provided:

Name of the Research Scholar	Title of the Thesis	Year of award
Details of Ph. Ds' (Research Scholars) Supervised		
K. Veera Swamy QIS College of Engg., Ongole	Development of Lossy Image Compression Techniques in transform domain	2009
B.Chandra Mohan Bapatla Engg College, Bapatla	Evaluation of Proposed Oblivious and Semi-Oblivious Digital Image Watermarking Algorithms in Transform and Hybrid domain	2009
Ch. Srinivasa Rao JNTU Kakinada	Development and Performance evaluation of Shape based Image Retrieval algorithms	2009
D. Jayadevappa M. S. Ramaiah Institute Technology, Bangalore	Development and Performance evaluation of Medical Image Segmentation Algorithms	2010
N. Leelavathi Pragathi Engineering College Surampalem	Development and Performance Evaluation of Image and Video watermarking Algorithms in Discrete wavelet transform domains	2015
P. Ramu Presently working in Samsung	Radio Frequency and Microwave Patch Antennas for UWB Communications	2017
P. Ravikiran Varma MVGR College of Engineering Vizianagaram	Design and Performance evaluation of Firewall and Intrusion Detection system using Soft computing Techniques	2017
B. Lakshmi Sirisha VR Siddartha Engineering College, Vijayawada	Development and Performance Evaluation of Algorithms for Image Stegnography	2018
N. Anupama Presently at VIT Amaravathi	Development and Performance Evaluation of Set-Theoritic approaches for segmenting Magnetic Resonance Images of Brain	2018
T. Tirupal G. Pullaiah College of Engg Kurnool	Development and Performance Evaluation of Medical Image fusion using undecimated DWT and Fuzzy set theoretic techniques	2018
R V V Krishna Aditya Group of Instiutions Surampalem	Performance Evaluaiton of Colour Image Segmentation algorithms using softcomputing Techniques	2019
V. Radhika University College of Engg. JNT University Kakinada	Performance Evaluation of Image Fusion Algorithms using Statistial Measures and Human Visual System Model	2019
P.V.L.Suvarchala Narasaraopet	Performation evaluation of Iris Recogniton Algorithms under Non-ideal conditions	2020
G. Sri Devi Aditya Engineering College Surampalem	Development and Performance of Diffusion based Image Inpainting models using Fractional Calculus	2020

5.12 List of Publications:

International Journals:

1. **S. Srinivas Kumar** and B.N. Chatterji, "Stereo Matching Algorithms Based on Fuzzy Approach," *Int. J. of Pattern Recognition and Artificial Intelligence,* vol. 16, no. 7, pp. 883-899, Nov. 2002. (SCIE) (Scopus) (Web of Science) (UGC Group II)

2. Ch. Srinivasa Rao, **S. Srinivas Kumar**, and B.N. Chatterji, "Content Based Image Retrieval using Contourlet Transform," *Int. J. of Graphics, Vision, and Image Processing,* vol. 7, no. 3, pp. 9-15, Nov. 2007. (Web of Science-Publons) (UGC Group II)

3. K. Veeraswamy, **S. Srinivas Kumar**, and B.N. Chatterji, "Designing Quantization Table for Hadamard Transform based on Human Visual Systems for Image Compression," *Int. J. of Graphics, Vision, and Image Processing*, vol. 7, no. 3, pp. 31-38, Nov. 2007. (Web of Science-Publons) (UGC Group II)

4. B. Chandra Mohan and **S. Srinivas Kumar**, and B.N. Chatterji, "A Robust Digital Image Watermarking Scheme using Singular Value Decomposition, Dither Quantization, and Edge Detection," *Int. J. of Graphics*, Vision, and Image Processing, Vol. 8, No.1, pp.17-23, 2007. (Web of Science-Publons) (UGC Group II)

5. **S. Srinivas Kumar,** B. Chandra Mohan and K. Veera Swamy, "On the use of schur decomposition for copyright protection of digital images," *Int. J. of Computer and Electrical Engineering*, Vol. 2, No.4, pp.781-787, 2010.

6. B. Chandra Mohan and **S. Srinivas Kumar**, "Robust Digital watermarking scheme using Contourlet transform," *Int. J. of Computer Science and Network Security,* vol. 8, no. 2, pp. 43-51, 2008. (ESCI) (Web of Science-Publons) (UGC Group II)

7. B. Chandra Mohan and **S. Srinivas Kumar**, "A Robust Image Watermarking Scheme using Singular Value Decomposition," *J. of Multimedia*, vol. 3, no. 1, pp. 7-15, 2008. (Scopus) (UGC Group II)

8. K. Veeraswamy and **S. Srinivas Kumar**, "An Improved wavelet based image compression and oblivious watermarking," *Int. J. of Computer Science and Network security*, vol. 8, no. 4, pp. 170-177, Apr. 2008. (ESCI) (Web of Science) (UGC Group II)

9. K. Veeraswamy and **S. Srinivas Kumar**, "Adaptive AC-coefficient prediction for image compression and blind watermarking," *J. of Multimedia*, vol. 3, no. 1, pp. 16-22, May. 2008. (Scopus) (Web of Science-Publons) (UGC Group II)

10. B. Chandra Mohan and **S. Srinivas Kumar**, "A robust multiple image watermarking scheme using Discrete Cosine transform with multiple descriptions," *Int. J. of Computer theory and Engineering,* vol. 1, no. 5, pp. 527-532, Dec. 2009. (UGC Group I)

11. Ch. Srinivasa Rao and **S. Srinivas Kumar**, "Content Based Image Retrieval using Singular Value Decomposition and Fuzzy set theoretic technique," *Int. J. of Intelligent Information Processing,* vol. 2, no. 2, pp. 187-201, 2008.

12. D. Jayadevappa, **S. Srinivas Kumar**, and D.S. Murthy, "A New Deformable model based on Level sets for medical Image segmentation," *Int. J. of Computer Science,* vol. 36, no. 3, pp. 199-207, Dec. 2009. (Scopus) (Web of Science-Publons) (UGC Group II)

13. D. Jayadevappa, **S. Srinivas Kumar,** and D.S. Murthy, "A Hybrid segmentation model based on watershed and gradient vector flow for the detection of Brain tumor," *Int. J. of Signal processing, Image processing and Pattern Recognition,* vol. 2, no. 3, pp. 29-42, Sep. 2009. (Web of Science-Publons) (UGC Group II)

14. Ch. S. Rao, **S. Srinivas Kumar**, and B.C. Mohan, "Content Based Image Retrieval using Exact Legendre Moments and Support Vector Machine," *Int. J. of Multimedia & its Applications*, vol. 2, no. 2, pp. 69-79, May. 2010.

15. K. Veeraswamy, B. Chandra Mohan, Y V Bhaskar Reddy, and **S. Srinivas Kumar**, "Image Compression and Watermarking scheme using Scalar quantization," *Int. J. on Next Generation Network,* vol. 2, no. 1, pp. 37-47, Mar. 2010.

16. Y. V. Pavan Kumar, Y. Jagan Mohan Reddy, and **S. Srinivas Kumar, "**MATLAB/Simulink versus refined real time simulation of an alternative electrical energy system in dynamic aspects," *Int. J. of Engineering Research and Applications (IJERA),* vol. 1, no. 3, pp. 1051-1056, Sep. 2011.

17. N. Leelavathi, E. V. Prasad, **S. Srinivas Kumar**, and B. Chandra Mohan, "Oblivious Image Watermarking in Discrete Multiwavelet Domain using QIMM," *J. of Multimedia*, vol. 6, no.4, pp.359-368, Aug. 2011. (Scopus) (Web of Science-Publons) (UGC Group II)

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19. Ramu Pillalamarri, G. Sasi Bhushana Rao, and **S. Srinivas Kumar**, "Novel Printed Circular Disc Microstrip Line Fed Monopole Antennas for UWB Applications", *The J. of Acta Electrotehnica*, vol. 50, no. 3, pp. 205-209, 2009.

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6. D. Pavan Kumar, **S.Srinivas Kumar**, "A Combinatorial Algorithm with Transportation Map Regularization for Image Restoration from Salt and Pepper Noise," *National conference on Recent Trends in Computer Science and Technology," 2015, Proceedings published by International Journal of Electronics Communication and Computer Engineering,* Vol 6 (5), Sep 17th, 2015, pp No.39-43.

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8. T.Tirupal, B.Chandra Mohan and **S.Srinivas Kumar**, "On the Use of Fuzzy Sets for Multimodal Medical Image Fusion," *'National Conference on Emerging Trends in Electronics & Communication Engineering', NCETEC-2017,* Bapatla Engineering College, Bapatla, 20-21 January 2017.

5.13 Application and Society Relevance for the Research:

❖ The research contributed in the area of Digital Image Processing, viz., in the topics of Digital Image Inpaining, is very useful to restore the old paintings etc., by Archeology department

❖ The research contributd in the area of Digital Image Processing, viz., in the topics of Digital Image watermarking, is very useful for Defense applications and copy right protection and authentication

❖ Medical Image segmentation, Image Fusion, etc., are useful for tumor identification, other medical diagnoisis applications

❖ Other research contribution, viz., Image compression, Image stegnography, Content based Image Retrieval find its application in solving many industrial problems.

6. Other Professional Experiences

6.1 Staff Selection Committee :

- ❖ Expert member of staff selection in JNT University, Hyderabad, J N T University, Anantapur
- ❖ Affiliated institutions of J N T University Kakinada for University Ratification
- ❖ Andhra University, Visakhapatnam

6.2 Details of Student Paper Contests organized:

- ❖ 'Technovision-99'–A National level student paper contest organized in the Department of Electronics and Communication Engineering, JNTU College of Engineering, Kakinada in the year 1999.

6.3 Important positions held:

- ❖ Member of the Governing council of JNT University, College of Engineering, Kakinada, during 2006-09.
- ❖ Member of the Governing council of affiliated Institutions as a University nominee & State Government nominee.
- ❖ Nodal officer at Helpline centre for WEB counseling for ICET (MBA & MCA) & EAMCET (Engineering only) (state level competitive examinations) in the year 2009.
- ❖ IETE Kakinada local centre – Honorary secretary 2011-2012 and Vice-Chairman 2014 –till date.
- ❖ Former Member – UGC Nominee for Board of Governers of J I S College of Engineering, Kolkata.
- ❖ Regional Coordinator for Rajahmundry Regional Centre for Andhra Pradesh Akademi of Sciences from 12th June, 2015
- ❖ Chairman–Standing Committee of Academic Senate JNT University, Anantapur.
- ❖ Chairman Executive Council JNT University Anantapur

7. Seminars /Training Programmes / Workshops/ Conferences organized &Attended

7.1 Details of Workshops organized for the faculty:

1. 'Recent Advances in Digital Image Processing' – A National level workshop organized in the Department of Electronics and Communication Engineering, JNTU College of Engineering, Kakinada in year 2002.

2.   'Advances in Signal & Image Processing' – A National level workshop organized in the Department of Electronics and Communication Engineering, JNTU College of Engineering, Kakinada in the year 2006.

3.   'Competency Based Curriculum Design' – One day workshop organized in JNTU College of Engineering, Kakinada in the year 2007.

4.   'Recent Advances in Digital Image Processing' – 3 week refresher course organized in UGC academic Staff college, JNT University, Hyderabad during 03-22, March, 2008.

5.   'Advances in in Signal & Image Processing' – A National level workshop organized in the Department of Electronics and Communication Engineering, JNTU College of Engineering, Kakinada in December, 2008.

6.   'Research methodologies' - One day workshop organized at JNT University Kakinada on 24th November, 2009 by Prof. B. L. Deekshatulu.

7.   'Research and Development – An Industrial perspective' – One day workshop at JNT University Kakinada on 25th November, 2009 by Sri.V.V.L. Sastry, Former Chairman and Managing Director, BEL, Bangalore.

8.   'Applications of Statistics in Engineering & Technology' – Invited lecture at JNT University, Kakinada on 27th November, 2009 by Prof. Rao Jammalamadaka, University of California, Santabara.

9.   'Industry Institute Interaction'- Invited lecture by Prof. S. Eswar Prasad, University of Toronto, Canada.

10.   'Advances in Signal and Image Processing' – Two day National workshop at JNT University, Kakinada during 25-26 February, 2011 by Prof. B. Yegnanarayana, Prof. Nikhil R. Pal, Prof. Bhabatosh Chanda and many eminent faculty from higher learning institutes.

11.   'Research Methodologies,' an audit course for the research scholars admitted in 2010-11 and 2012-13 during 1-15, May, 2013.

12.   'Intellectual Property Rights and Patents', an audit course for the research scholars admitted in 2010-11 and 2012-13 during 16-30 May, 2013.

13.   'Adoption of E-resources for innovative teaching and learning,' one day workshop on 12th January, 2014, with resource person Dr. K. Srinivas, Dr. B. R. Ambedkar University, New Delhi.

14.   'Turnitin – An Anti-plagiarism software," one day workshop on 24th January,2014, with resource persons from i-Group Infotech, New Delhi.

15.   'Research Methodologies,' an audit course for the research scholars admitted in 2013-14 during 1-15, May, 2014.

16. 'Intellectual Property Rights and Patents', an audit course for the research scholars admitted in 2013-14 during 16-30 May, 2014.

17. 'Research Methodologies,' an audit course for the research scholars admitted in 2014-15 during 1-15, May, 2015.

18. 'Intellectual Property Rights and Patents', an audit course for the research scholars admitted in 2014-15 during 16-30 May, 2015

19. 'Research Methodologies,' an audit course for the research scholars admitted in 2015-16 during 1-15, May, 2016.

20. 'Intellectual Property Rights and Patents', an audit course for the research scholars admitted in 2015-16 during 16-30 May, 2016

21. Active participation in organizing National workshop on 'Advances in Electronics and Communication Engineering' in Electronics and Communication Engineering, UCEK, JNTUK, Kakinada during 26-27, August, 2017.

22. Organized "2nd Tech VCs' Conclave – Reinventing Excellence in Technical Education & Challenges and Opportunities in Technical Education" at Jawaharlal Technological University Anantapur during 13 – 14 February, 2020, in collaboration with AICTE & VTU, Belgavi.

23. Organized International webinar, in collaboration with Lead India Foundation (USA) on "Global Impact of COVID 19 on the Development of Rural Economy:Challenges and Opportunities" on 27 July, 2020, in the memory of Dr. ABJ Abdul Kalam (https://youtu.be/BSWnlW6f_gY)

24. Organized International webinar, in collaboration with Lead India Foundation (USA) on "Demystifying the National Education Policy- Impact on the future of Indian Education System" on 8th August, 2020 (https: youtu.be/6A_qsHFplvl)

7.2 Seminars / Training programmes / Workshops/ Conferences Attended:

1. ISTE Summer school on 'Microprocessors and Computer Technology,' at JNTU College of Engineering, Anantapur during 11th to 23rd May, 1987.

2. Summer school on 'Digital Signal Processing: Theory, Implementation and Applications,' at Regional Engineering College, Calicut during 9th to 21st May, 1988.

3. Intensive course on ' Advanced Microprocessors & Special Applications,' at Indian Institute of Technology, Kharagpur during 5th to 16th June, 1989.

4. ISTE Winter school on 'Pattern Recognition and Neural Networks,' at Anna University, Madras during 15th to 28th November, 1991.

5. Short term course on 'Architecture & Applications of 32 bit Microprocessors,' at Indian Institute of Science, Bangalore during 19th to 23rd January, 1992.

6. UGC Refresher course on 'Electronics and Communication Engineering,' at JNT University, Hyderabad during 22nd Aug to 17th September, 1994.

7. National seminar on 'ISDN-Systems-Protocols Applications,' at JNTU college of Engineering, Kakinada during 28-29, January, 2000.

8. ISTE Summer School on 'WEB & E-Commerce Technologies,' at JNTU College of Engineering, Kakinada during 22nd May to 10th June, 2000.

9. Short term course on 'Next Generation Telecommunication and Networking Technologies,' at Indian Institute of Technology, during 10th to 21st July, 2000.

10. Orientation programme on 'Educational Administration,' organized by UGC Academic Staff College, during 4th to 5th February, 2006.

11. Short term course on 'DSP Tools & Practice,' organized by GS Sanyal School of Telecommunications, Indian Institute of Technology, Kharagpur during 12th - 17th June, 2006.

12. Short term training programme on 'Analog Integrated Circuit Design,' organized by Department of Electronics and Communication Engineering, National Institute of Technology, Warangal during 26th June to 1st July, 2006.

13. Training programme on 'Leadership and Management Development Programme,' organized by Indian Schools of Business, Hyderabad during 8th – 13th June, 2008.

14. Two Day National workshop on "Electromagnetics and Applications" organized by Department of Eletronics and Communication Engg., University College of Engineering, during March 13-14, 2009

15. International conference on 'Frontiers of Interface between statistics and sciences,' organized by C. R. Rao Advanced Institute of Mathematics, Statistics and Computer Science, University of Hyderabad campus, Hyderabad during 30th December, 2009 to 2nd January, 2010.

16. National Conference on Emerging Trends in Electronics and Communication Engineering, organized by Department of Electronics and Communication Engg., University College of Engineering, during 14-15, June, 2013

17. Two day National workshop on "Advanced VLSI Technology" organized by Department of Electronics and Communication Engg., University College of Engineering, during 26-27, April, 2013

18. Two day Conference on "Tech VC Conclave 2018" organized by Springer Nature, Visweswaraya Technological University Belgavi, and AICTE, during 23-24 November, 2018.

19. Three day Conference on " Transforming Education Conference for Humaniy," organized by UNESCO, Mahatma Gandhi Institute of Education for Peace and Sustainable development, with State Government of Andhra Pradesh during 15 -17 November, 2018.

20. Many National / International Webinars have been attended during COVID-19, organized by different higher learning institutions and organizations.

8. Membership – Professional Societies

- ❖ Life Member, Indian Society for Technical Education, New Delhi. (LM5804)
- ❖ Life Member, Institute of Electronics and Telecommunication Engineering (Membership No. M149763).
- ❖ Fellow, AP Akademi of Sciences, Hyderabad / Amaravathi since 2014.
- ❖ Senior Member – IEEE (Membership No. 94529807)

9. Foreign Visits

- ❖ Presented the Research paper on 'An Oblivious image watermarking scheme using singular value decomposition,' at IASTED Conference on Signal & Image Processing at Honolulu, Hawaii, USA and attended the conference during 20th - 22nd Aug, 2007.

- ❖ Visited 'University of Washington', Seattle, USA during 28th August to 7th September, 2007 for academic discussions with the Professors and Research scholars in the area of Digital Image Processing.

- ❖ Visited 'Asian Institute of Technology, Bangkok, Thailand' during 23-26 October, 2009 to discuss and plan the collaborative PG and research programmes with AIT, Bangkok.

10. Social Service Activities

- ❖ Actively involved in Janma Bhoomi programmes of Government of Andhra Pradesh

- ❖ Organized Eye camps for two times at Native place – Ryali, East Godavari district with the help of Kiran Eye Hospital, Kakinada

- ❖ Active Charter member in Lions Club of Kakinada Gems and involved in social service activities.

- ❖ Hereditary well-known family at Ryali (Native Place), involved in many philanthropic activities

- ❖ Actively involved in Blood donation camps and donated blood several times

- ❖ Donated a land of nearly 1000 Square yards (hereditary property) to start Govt. Primary school at Ryali Village (Native place)

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

Dr. S. Srinivas Kumar

Date:15th September, 2020
Ananthapuramu

References:

1. Prof. B. L. Deekshathulu, Former Director, National Remote Sensing Agency (NRSA), Hyderabad. Mobile No. 09908499081 E-mail: deekshatulu@hotmail.com

2. Prof. B. N. Chatterji, Former Professor, Indian Institute of Technology, Kharagpur Presently residing at Kolkata (Mobile No. 09831742495) E-mail: bnchatterji@gmail.com

3. Shri Bommidala Krishna Murthy, Former member of Executive Council, JNT University, Hyderabad, and presently residing at Guntur (Mobile No. 09866334300) E-mail: bskmurty@yahoo.co.in

4. Prof. R. V. Raja Kumar, Director, Indian Institute of Technology, Bhuvaneswar and former Professor, IIT, Kharagpur (Mobile No. 09434029432) E-mail: rkumar@iitbbs.ac.in

5. Dr. Y. Venkatarami Reddy, Former Member, Union Public Service Commission, New Delhi, presently staying at Anantapur (Mobile: 9494177799) E-mail: venkataramireddyy@yahoo.com

6. Dr. Ramamurthy Naidu, Former Member, University Grants Commission, New Delhi, presently staying at Hyderabad and also as Chancellor, Vignan's University, Vadlamudi, Guntur (Mobile: 9871131116) E-mail: krnaidu06@yahoo.com

7. Prof. N. Siva Prasad, Former Professor, Indian Institute of Technology Madras, Chennai and presently Pro-Vice Chancellor, GITAM Campus, Hyderabad; (Mobile No.+91 7674990444) E-mail: sivacae@yahoo.co.in