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### **Bio-data**

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Nationality : Indian

Religion : Hindu

**Educational Qualifications:**

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	JNTU Anantapur	Embedded Systems	2014
2.	M.E	Rajiv Gandhi Proudyigiki Viswavidyalaya (RGPV), Bhopal	Digital Techniques and Instrumentation	2003
3.	B.Tech	Acharya Nagarjuna University, Guntur	Electronics & Communication Engineering	2001

**Professional Experience :**

S.No.	Institution/Organization	Position held	Duration
1	JNTUA College of Engineering, Anantapur	Associate Professor, Department of ECE	2019 - till date
2	JNTUA College of Engineering, Pulivendula	Associate Professor Department of ECE	2016 – 2019
3.	JNTUA College of Engineering, Pulivendula	Assistant Professor (Selection Grade) Department of ECE	2013 – 2016
4.	JNTUA College of Engineering, Pulivendula	Assistant Professor (Senior Scale) Department of ECE	2008 - 2013
5.	JNTUA College of Engineering, Pulivendula	Assistant Professor Department of ECE	2006 – 2008
6	Gayatri Vidya Parishad College of Engineering, Visakhapatnam	Assistant Professor Department of ECE	2003 - 2006

## Administrative Experience :

S.No.	Administrative Post held	Duration
1.	Controller of Examination (P.G), JNTU Anantapur	2021 – till date
2.	Additional Controller of Examination, JNTU Anantapur	2019 – 2021
3.	Deputy Controller of Examination, JNTUA College of Engineering, Pulivendula	2017 – 2019
4.	Head, Department of ECE JNTUA College of Engineering, Pulivendula	2013 – 2017
5.	Officer In-charge of Hostels JNTUA College of Engineering, Pulivendula	2009-2010 & 2014-2015
6.	Officer In-charge of Library JNTUA College of Engineering, Pulivendula	2010-2011
7.	Deputy Warden for Boys Hostels JNTUA College of Engineering, Pulivendula	2007-2010

### Other Responsibilities:

- ❖ University Nodal Officer for APSICHE Online Learning from 2021 to till date.
- ❖ University Nodal Officer for Andhra Pradesh State Human Capital Management from 2020 to till the date.
- ❖ Program Coordinator for JNTUA – Texas Instruments University Program from 2015 – 2018.
- ❖ Member, Board of Studies of ECE (UG), J.N.T. Univeristy Anantapur (JNTUA), Ananthapuramu.
- ❖ Member, Board of Studies of ECE (UG), JNTUA College of Engineering, Ananthapuramu.

### Activities as Deputy Warden and Officer In-charge of Hostel:

*Served as Deputy Warden from 2007-2010 and Officer In-charge of Hostel from 2009-2010:*

- ❖ During the tenure, as JNTUA College of Engineering Pulivendula was established in the year 2006, the administrative approvals are initiated to provide the facilities to the inmates in the hostel like furniture, RO water system, dining tables, etc. and are procured for all boys and girls hostels,
- ❖ Established In-house library and indoor games facilities for the recreation of the inmates in all the hostels.

- ❖ Guidelines and instructions were prepared to maintain discipline and academic decorum in the hostels by the inmates.

#### Head of the ECE Department:

*Served as Head of ECE department, JNTUACE, Pulivendula during 2013 – 17:*

- ❖ Department is accredited by National Board of Accreditation (NBA) for a period of three years from 2013-16.
- ❖ Established Centre of Excellence Laboratories in the areas of Analog Integrated Circuits VLSI and Embedded Systems in collaboration with Texas Instruments (I) Private limited Bangalore and INTEL, Bangalore.
- ❖ All the existing laboratories are modernized beyond the curriculum with the financial support of TEQUIP-II funds of the college.
- ❖ Successfully implemented clean and green within the department and also improvement in the ambience of the department
- ❖ Organized several programs for the students & faculty.
- ❖ Revision of UG & PG syllabi as Chairman – BoS for the autonomous institute.
- ❖ Alumni meetings are organized in the department to motivate the students on rolls and also to create a path among the alumni and present students.

#### Deputy Controller of Examinations, JNTUA CE, Pulivneudla: (2017 – 2019)

- ❖ The Examination Management System (EMS) of JNTUA College of Engineering Pulivendula is strengthened for all the programs and all regulations.
- ❖ All the examinations of UG and PG are conducted without any single incidence.
- ❖ The results of the all the examinations conducted during the tenure are notified within a month.
- ❖ Acted as Nodal Officer of Prime Minister's Special Scholarship Scheme (PMSSS) for Jammu & Kashmir Students.
- ❖ The revision of academic regulations for UG and PG programmes are successfully conducted.

#### Additional Controller of Examinations, JNTUA: (2019 – 2021)

- ❖ The standard of question papers for all the programs offered by the university is strengthened.
- ❖ As the coordinator of PG program spot valuation, the results of all PG programmes are notified within a month.

## Other Activities:

The following Seminars / workshops are organized as a Convener / Coordinator.

- ❖ Two day National workshop on “Career Opportunities in Core Industry” (TEQIP-III sponsored), during 8<sup>th</sup> and 9<sup>th</sup> August 2019.
- ❖ Two day training program on “Internet of Things – An Industry Application Perceptive,” during 24<sup>th</sup> & 25<sup>th</sup> March 2017.
- ❖ Two day National Level Faculty Development Program on “Digital Image Processing, Pattern Recognition and its Applications (with hands-on training)” (under TEQIP-II funds) during 19<sup>th</sup> & 20<sup>th</sup> September 2016.
- ❖ Two day National Level Faculty Development Program on “VLSI Design Advancements using Xilinx Tools” (under TEQIP-II funds) during 26<sup>th</sup> and 27<sup>th</sup> August 2016.
- ❖ Two day National Level Hands-on Training Program on MSP430 & TIVA Microcontrollers (under TEQIP-II funds) during 23<sup>rd</sup> & 24<sup>th</sup> July 2016.
- ❖ Two day National Level workshop on “Internet of Things (IoT)” on 10<sup>th</sup> and 11<sup>th</sup> March 2016.
- ❖ Two day National Level Students Technical Symposium “Scintillace 2k16” during 10<sup>th</sup> and 11<sup>th</sup> March 2016.
- ❖ Two day National Level Workshop on “Linear IC Applications : A Systems Approach” (under TEQIP-II funds) during 25<sup>th</sup> & 26<sup>th</sup> September 2015.
- ❖ Two day National Level workshop on “PCB Design and Tele-presence Robot Technology” on 6<sup>th</sup> and 7<sup>th</sup> March 2015.
- ❖ Two day National Level Students’ Technical Symposium “Scintillace 2k15” during 6<sup>th</sup> and 7<sup>th</sup> March 2015.
- ❖ Two day International Robotic Championship “RoboTryst 2014-15” in association with IIT Delhi & Robosapiens Technologies Pvt. Ltd., New Delhi during 22<sup>nd</sup> & 23<sup>rd</sup> August 2014.
- ❖ Two day National Level Students’ Technical Symposium “Scintillace 2k14” (Under UGC XII plan grants) during 5<sup>th</sup> and 6<sup>th</sup> March 2014.
- ❖ Two day National Level Workshop on “Digital Image Processing & Pattern Recognition using MATLAB<sup>®</sup>” (under TEQIP-II funds) during 24<sup>th</sup> & 25<sup>th</sup> January 2014.

- ❖ Two day National Robotic Championship 2013 (NRC 2013) in association with IIT Kharagpur & ARK Techno Solutions, Mumbai on 21<sup>st</sup> & 22<sup>nd</sup> February 2013.
- ❖ Two day National Level Students' Technical Symposium "Scintillace 2k9" on 5<sup>th</sup> and 6<sup>th</sup> March 2009.

**Teaching Experience:** 18+ years of teaching UG & PG Courses

**Subjects Taught:**

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none"> <li>❖ Electronic Devices and Circuits</li> <li>❖ Signals and Systems</li> <li>❖ Electronic Circuit Analysis</li> <li>❖ Pulse &amp; Digital Circuits</li> <li>❖ Analog Communications</li> <li>❖ Linear IC Applications</li> <li>❖ Digital Signal Processing</li> <li>❖ Digital Communications</li> <li>❖ Microprocessors and Microcontrollers</li> <li>❖ Digital Image Processing</li> </ul>	<ul style="list-style-type: none"> <li>❖ Advanced Digital Signal Processing</li> <li>❖ Image and Video Processing</li> <li>❖ CMOS Digital IC Design</li> <li>❖ Digital Communication Techniques</li> <li>❖ Transforms and Techniques</li> <li>❖ VLSI Signal Processing</li> </ul>

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

**Books Authored:**

- ❖ A research book on "Underwater Telemetry System Using M-ary FSK–Study and Design Issues," Lambert Academic Publishing, 2013. ISBN: 978-3-659-44345-9.
- ❖ A research book on "Techniques to Remove Power Line Interference from ECG Signal: Using Adaptive filter Algorithms," Scholar's Press, 2017. ISBN: 978-620-2-30216-6.
- ❖ A chapter with name "Review of RDC Soft Computing Techniques" in "Sensors, Transducers, Signal Conditioning and Wireless Sensors Networks," a book series of

“Advances in Sensors: Reviews,” Vol.3, International Frequency Sensors Association (IFSA) Publishing, 2016. ISBN: 978-84-608-7705-9

## **Patents Published:**

### **a. Published**

1. Patent Application Number: 201941033884 A  
Date of Filing of Application: 22-08-2019  
Date of Publication of the Patent: 20-09- 2019  
Title of the Invention: Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities
2. Patent Application Number: 2020102250  
Date of Filing of Application: 14-10-2020  
Title of the Invention: An Artificial Intelligence And IoT Based Covid-19 Early Warning System For Senior Citizens.

### **b. Applied**

1. Patent Application Number: 202041043082  
Date of Filing of Application: 05-10-2020  
Title of the Invention: Waste Treatment Systems: Intelligent Operation of Waste Treatment Systems Using AI Based Programming.

## **Sponsored Research Projects completed as Co-ordinator:**

- ❖ As a Principal Investigator, a sum of Rs.3.7 Lakh is sanctioned by UGC under Minor Research Project titled “Design and Development of High Accuracy Resolver to Digital Converter using Modified ATO Technique for Motor Control Applications (ROMRP-SERO-ELEC-2015-16-70240.”
- ❖ As a Principal Investigator, a sum of Rs.1.5 Lakh is sanctioned by TEQIP-II for the project titled “Department Automation System using Internet of Things.”

## **Member of Editorial Board of Journals**

- ❖ Editor in-Chief, i-manager’s Journal on Electronics Engineering.
- ❖ Editorial Board Member, International Journal of Advanced Technology in Engineering and Science
- ❖ Member, International Advisory Board, Institute of Research and Journals.

## **Reviewer of Journals**

- ❖ IEEE Sensors Journal
- ❖ Journal of Engineering Science and Technology
- ❖ i-Manager’s Journal on Embedded Systems
- ❖ Institute of Research and Journals.

## Membership of Scientific / Engineering Bodies

- ❖ Member of Institute of Electrical and Electronics Engineering (MIEEE93295871)
- ❖ Fellow Member of Institution of Engineers (I)(IEI) (F-126919 0)
- ❖ Life Member of Indian Society for Technical Education (ISTE) (LM 53571)
- ❖ Member of International Association of Engineers (IAENG) (132784)
- ❖ Member of International Association of Computer Science and Information Technology (IACSIT) (80348499)

## Number of Research publications:

International Journals	:	65
International Conferences	:	28
National Conferences	:	02

## Performance Indices of Publications :

Total Citations	:	184
h - Index	:	7
i10 - Index	:	5

## List of publications:

### International Journals:

- ❖ R.Ravindraiah, **S Chandra Mohan Reddy**, “Exudates Detection in Diabetic Retinopathy Images Using Possibilistic C-Means Clustering Algorithm with Induced Spatial Constraint,” Artificial Intelligence and Evolutionary Computations in Engineering Systems-Springer, Singapore, Vol. 668, March 2018, pp.: 455-463. DOI: 10.1007/978-981-10-7868-2\_44(Print: ISSN: 2194-5357, Online: ISSN: 2194-5365, Print ISBN: 978-981-10-7867-5).
- ❖ R.Ravindraiah, **S Chandra Mohan Reddy**, “An automated exudates detection in diabetic retinopathy fundus images using multi kernel spatial fuzzy c means clustering method,” International Journal of Engineering & Technology (UAE)- Science Publishing Corporation, Vol7, No. 1.8, February 2018, pp.: 10-14. DOI:10.144419/ijet.v7i1.8.9442 (ISSN:2227-524X).
- ❖ PadmajaModiyam, Chandra Mohan Reddy Sivappagari, “MULTI NODE RELAY COOPERATIVE MIMONETWORK IN CELLULAR SYSTEM,”i-manager’s Journal on Communication Engineering and systems, Vol. 6, No. 4, August-

- October 2017, pp.: 1-7. (ISSN: 2277-5102(P), 2277-5242 (O)), DOI:<https://doi.org/10.26634/jcs.6.4.13799>
- ❖ B.ChandraObula Reddy, **Chandra Mohan Reddy Sivappagari**, “Asses the Performance of Tone Mapped Operator compressing HDR Images,” International Journal of Advance Engineering and Research Development, Vol. 4, Issue 9, September 2017, pp.: 344-350. (ISSN: 2348-6406 (P) 2348-4470 (O)), UGC approved Number: 44839, Impact Factor: 4.14, DOI:10.21090/IJAERD.57306
  - ❖ SrikanthPamuru, **Chandra Mohan Reddy Sivappagari**, “High Image Resolution using Curvelet and Contourlet Transform for Bio-Medical Applications,” International Journal of Advance Research in Science & Engineering, Vol. 6, Issue No. 08, August 2017, pp.: 1352-1360. (ISSN: 2319-8346 (P) 2319-8354 (O)), UGC approved Number: 47721, Impact Factor: 2.83.
  - ❖ B.Guruprasad Reddy, **Chandra Mohan Reddy Sivappagari**, “Development of Smart Home Automation System based on IoT,” International Journal of Electronics, Electrical and Computational System, Vol. 6, Issue 8, August 2017, pp.: 182-187. (ISSN: 2348-117X (P) 2230-7168 (O)), UGC approved Number: 48203, Impact Factor: 2.52.
  - ❖ K.VeeraNavendraReddy, **Chandra Mohan Reddy Sivappagari**, “Compression of Hyperspectral Images By Using DWT And SPIHT,”i-manager’s Journal on Pattern Recognition, Vol. 4, No. 1, March-May 2017, pp.: 30-35. (ISSN: 2349-7912 (P) 2350-112X (O)), DOI: <https://doi.org/10.26634/jpr.4.1.13643>.
  - ❖ O.Madhusudhan Reddy, **S. Chandra Mohan Reddy**, “A Secure Coding Approach for Digital Image Recovery and Protection using Watermarking,” Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 3, March 2017, pp.: 1438-1448. (ISSN: 2250-1665 (P) 2249-7315 (O)), UGC approved Number: 1262, Impact Factor: 5.997.
  - ❖ K.Sowmya, **Chandra Mohan Reddy Sivappagari**, “Identification and Classification of Living and Nonliving Objects in Videos Based on Background Subtraction,” International Journal of Electronics, Electrical and Computational System, Vol. 6, Issue8, August 2017, pp.: 603-608. (ISSN: 2348-117X (P) 2230-7168 (O)), UGC approved Number: 48203, Impact Factor: 2.52.
  - ❖ Shamimoon Shaik, **Chandra Mohan Reddy Sivappagari**, “Multi-Temporal SAR Image Change Detection Technique Depending on NSCT Transformation And SFCM,”i-manager’s Journal on Software Engineering, Vol. 11, No. 3, January-March 2017, pp.: 39-46. (ISSN: 0973-5151 (P) 2230-7168 (O)), Impact Factor: 5.338, DOI:<https://doi.org/10.26634/jse.11.3.13632>.
  - ❖ Kalle Manoj Pavan Kumar, **Dr.S.Chandra Mohan Reddy**, “Realisation Of Power Optimized FM0/Manchester Encoding Architecture Using Sols Technique,” International Journal of Advanced Research Trends in Engineering and Technology, Vol. 4, Special Issue 2, January 2017, pp.: 99-106. (ISSN:2394-

- 3777 (P) 2394-3785 (O)), UGC approved Number: 62695, Impact Factor: 5.338, DOI: 10.20247/ijartet.
- ❖ M VenkataDasu, P. VeeraNarayana Reddy, **S Chandra Mohan Reddy**, “A Proposal on Application of Nature Inspired Optimization Techniques on Hyper Spectral Images,” Springer Series on Advances in Intelligent Systems and Computing, Vol 542, December 2016, pp. 309-318. DOI: *10.1007/978-981-10-3223-3*. (Print: ISSN: 2194-5357, Online: ISSN: 2194-5365), UGC approved Number: 49365.
  - ❖ R.Ravindraiah, P.Rajendra Prasad, **S Chandra Mohan Reddy**, “A Methodical Approach for Segmentation of Diabetic Retinopathy Images,” Indian Journal of Science and Technology, Vol 9 (S1), December 2016, pp.: 1-5. DOI: *10.17485/ijst/2016/v9iS1/95262*(Print: ISSN:0974-6846, Online: ISSN:0974-5645).
  - ❖ M.RavindraNaik, **S Chandra Mohan Reddy**, “Plant Leaf and Disease Detection by Using HSV Features and SVM,” International Journal of Engineering Science and Computing, Vol. 6, Issue No.12, December 2016, pp. 3794-3797, Impact Factor: 5.611.
  - ❖ B.NageswarRaoYadav, **S Chandra Mohan Reddy**, “IoT Based Smart Grid For Load Assessment And Abnormality Sensing,” International Journal of Innovative Research in Information Security, Vol. 3, Issue No.9, December 2016, pp. 41-48.(e-ISSN:2349-7017, P-ISSN:2349-7009). (Impact factor: 3.651)
  - ❖ R.Ravindraiah, P.Rajendra Prasad, **S Chandra Mohan Reddy**, “Detection of Exudates in Diabetic Retinopathy Images using Laplacian Kernel Induced Spatial FCM Clustering Algorithm,” Indian Journal of Science and Technology, Vol 9 (15), April 2016, pp.1-6. DOI: *10.17485/ijst/2016/v9i15/88171* (Print: ISSN:0974-6846, Online: ISSN:0974-5645).
  - ❖ Shaik Mohammed Rafi, Dr. J.L. MazherIqbal, **Dr. Chandra Mohan Reddy Sivappagari**, “An Extensive Literature Review on Reversible Logic Gates,” International Journal of Innovative Research in Technology, Vol. 2, Issue 10, March 2016, pp.: 124-127. (ISSN: 2349-6002), Impact Factor: 5.8.
  - ❖ **S Chandra Mohan Reddy**, Kiranmayee M, “High Performance of Small Cell Cloud Radio Access Network using Radio over Backhaul,” Elsevier Procedia Computer Science, February 2016, pp. 957-962.UGC approved Number: 48229.(ISSN: 1877-0509).
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, S.Durga Krishnaiah, “Performance analysis of various LMS algorithms to remove PLI noise from ECG signals,” Canadian International Journal of Science and Technology, January 2016, pp. 140-146. ISSN: 2356-9085.
  - ❖ R.Ravindraiah, **S Chandra Mohan Reddy**, “Qualitative Evaluation of Fuzzy Clustering Methods in Segmentation of Fundoscope Diabetic Retinopathy

- Images,” GESJ: Computer Science and Telecommunications, 2015, No-2(46), pp. 28-35. (ISSN: 1512-1232), Impact Factor: 0.8125.
- ❖ R.Ravindraiah, **S Chandra Mohan Reddy**, “**Retinal Exudate Detection using Novel Fuzzy Clustering Methods**,” Research &Reviews: Journal of Engineering and Technology, Volume 4, Issue 4, October-December 2015, pp.: 16-21, (ISSN: 2319-9873), UGC approved Number: 64056, Impact Factor: 2.15.
  - ❖ R. DamodaraVaraprasad, **S Chandra Mohan Reddy**, “Implementation Of High Efficient Compression Method For Fingerprint Images,” International Journal of Electrical and Electronics Engineering &Telecommunications, Vol. 4, No. 4,pp. 7-14, October, 2015. (ISSN 2319 – 2518).
  - ❖ P.GokulSaiSreeram, **S Chandra Mohan Reddy**, “Development Of Industrial Intrusion Detection And Monitoring Using Internet Of Things,” International Journal of Technology Research and Applications, Special Issue, pp. 84-89, October, 2015. (Online: e-ISSN 2320 – 8163).
  - ❖ **S Chandra Mohan Reddy**, M.Manasa, “**Data Hiding in Encrypted Compressed Videos For Privacy Information Protection**,” i-manager’s International Journal on Image Processing, Volume 2, No. 2, pp. 26-31, April-June 2015. (Print: 2349 – 4530 & Online: ISSN 2349 – 6827).
  - ❖ M.Dileep Reddy, **S Chandra Mohan Reddy**, “Performance Evolution of Maximal Sequences for Rake Receiver over Rayleigh Flat Fading Channel”, International Journal of Engineering Research & Technology, Volume 3, Issue 5, pp. 72-76, May2014. (Print: 2278 – 0181 & Online: ISSN 2278 – 0181). (Impact factor: 1.76). UGC approved Number: 45539.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “High tracking accuracy of Software based RDC using various excitation Signals,” IEEE 2014 International Conference on Advances in Electrical Engineering (ICAEE), India, 9–11 January 2014, pp. 1-6. (DOI: 10.1109/ICAEE.2014.6838490)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Modified ATO algorithm based high accurate RDC Using Pulse Excitation,” IEEE 2014 First International Conference on Automation, Control, Energy and Systems (ACES 2014), India, 1<sup>st</sup>– 2<sup>nd</sup> February 2014, pp. 1-5. (DOI: 10.1109/ACES.2014.6808034)
  - ❖ G. Dorababu, **S Chandra Mohan Reddy**, K. Nagabhushan Raju, “Software based RDC Using Pulse Excitation”, International Journal of Advanced Research Computer and Communication Engineering, Volume 2, Issue 9, pp. 3526-3530, September 2013. (Print: 2319 – 5940& Online: ISSN 2278- 1021). (Impact factor: 5.947) (DOI: 10.17148/ijarcce)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Review of RDC Soft Computing Techniques for Accurate Measurement of Resolver Rotor Angle”, ,

- Volume 150, Number 3, pp. 1-11, March 2013. (**Print: ISSN 1726-5479 & Online: ISSN 1726-5479**).(Impact factor: 0.705 and ICV: 6.13)
- ❖ **S Chandra Mohan Reddy**, “Image/Message steganography using LSB insertion algorithm for DRM System,” International Journal of Enhanced Research in Science Technology and Engineering, Vol. 2, Issue 3, March 2013, PP. 1-8. ISSN: 2319-7463, (Impact factor: 4.059)
  - ❖ **S Chandra Mohan Reddy**, “Development of Underwater Telemetry System Using M-ary FSK,” International Journal of Advanced Scientific and Technical Research, Issue 3, Volume 2, pp. 175-183, March-April 2013. (**Print: ISSN 2249-9954**). (Impact factor: 3.94)
  - ❖ K.Anusha, **S Chandra Mohan Reddy**, “Design and Development of Real Time Clock based efficient Solar Tracking System,” International Journal of Engineering Research and Applications (IJERA), Vol. 3, Issue 1, January-February 2013, pp. 1219-1223, ISSN: 2248-9622, UGC approved Number: 4525.(Impact factor: 5.179 and ICV: 5.09)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “**Inverse Tangent Based Resolver to Digital Converter – A Software Approach**”, International Journal of Advances in Engineering & Technology, Volume 4, Issue2, pp. 228-235, September 2012. (**Print: ISSN 2231-1963 & Online: ISSN 2231-1963**).(Impact factor: 1.07)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “**High Accuracy Resolver to Digital Converter based on Modified Angle Tracking Observer Method**”, International Journal of Sensors & Transducers, Volume 144, Number 9, pp. 101-112, September 2012. (**Print: ISSN 1726-5479 & Online: ISSN 1726-5479**).(Impact factor: 0.705 and ICV: 6.13)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “**Resolver to Digital Converter based on Angle Tracking Observer Method**”, CiiT International Journal of Programmable Device Circuits and Systems, Volume 144, Number 9, pp. 101-112, July 2012. (**Print: ISSN 0974-973X & Online: ISSN 0974-9624**).(Impact factor: 0.492), UGC approved Number: 63381.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “**Design of Linear Motion Control using Resolver to Digital Converter and LVDT**”, International Journal of Advances in Science and Technology, Volume 4, Number 3, pp. 27-35, March Issue, 2012. (**Print: ISSN 2229 5216 & Online: ISSN 2229 5216**).
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “**A Novel Design Method For Resolver to Digital Converter**”, International Journal of Engineering Research and Applications, Special Issue of National Conference on Emerging Trends in Engineering & Technology, pp.343-348. (**Print: ISSN 2248-9622 & Online: ISSN 2248-9622**). (Impact factor: 1.69 and ICV: 5.09)

- ❖ **S Chandra Mohan Reddy**, NagabhushanRajuKonduru, “**Measurement of Resolver angular position information based on Inverse tangent Algorithm**”, International Journal of Advances in Science and Technology, Special Issue, Volume 4, Number 2, pp. 28-35, 2012.(**Print: ISSN 2229 5216 & Online: ISSN 2229 5216**).

### **i) International Conferences**

- ❖ SrikanthPamuru, **Chandra Mohan Reddy Sivappagari**, “High Image Resolution using Curvelet and Cotourlet transform for Bio-Medical Applications,” Proceedings of 5<sup>th</sup> International Conference on Emerging Trends in Engineering, Technology, Science and Management (ICETETSM-17), Organized by Institution of Electronics and Communication Engineers, Bengalure, India on 20<sup>th</sup> August 2017, pp.: 408-416. (ISBN: 978-93-86171-60-3).
- ❖ B.Guruprasad Reddy, **Chandra Mohan Reddy Sivappagari**, “Development of Smart Home Automation System based on IoT,” Proceedings of 6<sup>th</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2017), Organized at Institution of Electronics and Communication Engineers, Bengalure, India on 6<sup>th</sup> August 2017, pp.: 769-774. (ISBN: 978-81-934288-0-1).
- ❖ R.Ravindraiah,**S Chandra Mohan Reddy**, “An Automated Exudate detection in Diabetic Retinopathy fundus images using Multi Kernel Spatial Fuzzy C means clustering method,” Proceedings of Joint International Conference on AI and Evolutionary Computations in Engineering Systems (ICAIECS-2017), organized by Madanapalle Institute of Technology and Science, Madanapalle during 27<sup>th</sup> - 29<sup>th</sup> April 2017, pp. 9.
- ❖ R.Ravindraiah,**S Chandra Mohan Reddy**,“Exudates Detection in Diabetic Retinopathy Images Using Possibilistic C-Means Clustering Algorithm with Induced Spatial Constraint,” Proceedings of Joint International Conference on AI and Evolutionary Computations in Engineering Systems (ICAIECS-2017), organized by Madanapalle Institute of Technology and Science, Madanapalle during 27<sup>th</sup> -29<sup>th</sup> April 2017, pp. 49.
- ❖ M VenkataDasu, P. VeeraNarayana Reddy, **S Chandra Mohan Reddy**,“A proposal on application of nature inspired optimization techniques on Hyper spectral Images,” Proceedings of International Conference on Computer and Communication Technologies 2016 (IC3T 2016), organized by MIC College of Engineering, Vijayawada during 5<sup>th</sup> -6<sup>th</sup>November 2016.
- ❖ P. Jaya Tharuni, **S Chandra Mohan Reddy**,“Reduction Of PAPR In LTE Systems Using Modified PTS Method,” Proceedings of International Conference on Advanced Computing and Communication Systems 2017 (ICACCS 2017), organized by Sri Eswar College of Engineering, Coimbatore during 6<sup>th</sup> -7<sup>th</sup> January 2017, pp. 432-436 (IEEE ISBN: 978-1-5090-4558-7).

- ❖ K.Anitha, **S Chandra Mohan Reddy**,“Multi-focus image fusion based on Discrete Wavelet Transform (DWT) combines with SPIHT algorithm,” Proceedings of International Conference on Advanced Computing and Communication Systems 2017 (ICACCS 2017), organized by Sri Eswar College of Engineering, Coimbatore during 6<sup>th</sup> -7<sup>th</sup> January 2017, pp. 336-341 (IEEE ISBN: 978-1-5090-4558-7)..
- ❖ K. Sivakumar, **S Chandra Mohan Reddy**,“Building Change Detection and Counting of Multi Temporal Very High Resolution SAR Images,” Proceedings of International Conference on Mathematics & Computer Science 2016, organized by Nirmala College for Women (Autonomous), Coimbatore during 15<sup>th</sup>-17<sup>th</sup>December 2016, pp. 62-68, (ISBN: 978-93-84124-92-2).
- ❖ B.NageswarRaoYadav, **S Chandra Mohan Reddy**,“IoT Based Smart Grid For Load Assessment And Abnormality Sensing,” Proceedings of UGC Sponsored Two day International Conference on Digital India-The Information for All, organized by K.B.N. College (Autonomous), Vijayawada during 2<sup>nd</sup> -3<sup>rd</sup> December 2016, pp. 186-197.
- ❖ P.Sundaraiah,**S Chandra Mohan Reddy**, “A Novel Method for Compressing Encrypted Images Using Auxiliary Information,” Proceedings of World Congress on Engineering and Computer Science 2016 (Vol-I), UCB, San Francisco, USA, 19-21 October 2016, pp. 529-533. (ISBN: 978-988-14047-1-8)
- ❖ Sivakumar M, **S Chandra Mohan Reddy**, “Performance Evaluation for Image Fusion Using Neuro Fuzzy Approach,” Proceedings of International Conference on Recent Trends in Engineering & Technology (ICoRTET’16), organized by School of Engineering, Cochin University of Science and technology, Cochin during October 3<sup>rd</sup> – 5<sup>th</sup>, 2016, 2016, 196-201, (ISBN: 978-93-80095-82-0).
- ❖ **S Chandra Mohan Reddy**,Kiranmayee M, “High Performance of Small Cell Cloud Radio Access Network using Radio over Backhaul,” Proceedings of International Conference on Cloud Computing & Visualization 2016 (ICCV 2016), Mumbai, February 2016.
- ❖ P.Sundaraiah, **S Chandra Mohan Reddy**, “A Novel Method for Compressing Encrypted Images Using Auxiliary Information,” Proceedings of World Congress on Engineering and Computer Science 2015 (Vol-I), UCB, San Francisco, USA, 21-23 October 2015, pp. 529-533.
- ❖ RamagiriRushikesh, **S Chandra Mohan Reddy**, “Development of IoT based Vehicular Pollution Monitoring System” Proceedings of 2015 International Conference on Green Computing and Internet of Things (ICGCIoT-2015), Greater Noida, India, 8<sup>th</sup> & 10<sup>th</sup> October 2015, pp. 780- 784 (ISBN: 978-1-4673-7909-0).
- ❖ P.GokulSaiSreeram, **S Chandra Mohan Reddy**, “Development Of Industrial Intrusion Detection And Monitoring Using Internet Of Things,” Equinox

- 2<sup>nd</sup>International Conference on Engineering Confluence, Terna Engineering College, Navi Mumbai, India,30<sup>th</sup> September & 1<sup>st</sup> October 2015, pp. 113-118.
- ❖ **S Chandra Mohan Reddy**, M.Manasa, “Data Hiding in Encrypted Compressed Videos for Privacy Information Protection” Proceedings of i-manager’s International Conference on Engineering and Technologies (IICET 2015),Trivandrum, India, 10<sup>th</sup> &11<sup>th</sup>April -2015. (ISBN: 978-81-908910-3-5).
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, S.Durga Krishnaiah, “Performance analysis of various LMS algorithms to remove PLI noise from ECG signals” Proceedings of International Conference of Science and Technology, Cornell University, New York, USA, 11<sup>th</sup> &12<sup>th</sup>August 2014.
  - ❖ B.Govardhan,**S Chandra Mohan Reddy**, “An OCR Based Digital Pen System using Trajectory Recognition Algorithm,” Proceedings of International Conference on Photonics, VLSI and Signal Processing (ICPVSP 2014), Warangal, India, 28<sup>th</sup> &29<sup>th</sup> March 2014.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Modified ATO algorithm based high accurate RDC Using Pulse Excitation,” Proceedings of 1<sup>st</sup> IEEE International Conference on Automation, Control, Energy and Systems (ACES 2014), Kolkata, India, 1<sup>st</sup>– 2<sup>nd</sup> February 2014.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “High Tracking Accuracy Of Software Based RDC Using Various Excitation,” Proceedings of 1<sup>st</sup>IEEE International Conference on Advances in Electrical Engineering (ICAEE-2014), Vellore, India, 9<sup>th</sup>– 11<sup>th</sup>January 2014, pp. 45.
  - ❖ **S Chandra Mohan Reddy**, “Software Defined Radio using Digital Modulation Techniques – A MATLAB<sup>®</sup> SIMULINK<sup>®</sup> Approach,” Proceedings of International Academic Conference on Electrical, Electronics and Computer Engineering (IACEECE-2013), Chennai, India, 8<sup>th</sup> September 2013, pp. 14-19.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Software Implementation of Angle Tracking Observer Algorithm for Resolve to Digital Converter,” Proceedings of 2<sup>nd</sup> International Conference on Electrical and Electronics Engineering & Technology 2013 (ICEEET-2012), Rasipuram, India, 25<sup>th</sup>& 26<sup>th</sup> April 2013, pp. 203-209.
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Performance Analysis of Software based Resolver to Digital Converter Methods,” Proceedings of International Conference on Emerging Trends in Electrical, Communication and Information Technologies – 2012 (ICECITIE 2012), Anantapur, India, 21<sup>st</sup>– 23<sup>rd</sup> December 2012, pp.86-96 (**Print: ISBN 978-93-5107-050-4**)
  - ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Analysis and implementation of Low Power EVM using ARM Processor,” Proceedings of International Conference on Science and Innovative Engineering (ICSIE 2012), Chennai, India, 31<sup>st</sup> March 2012. (**Print: ISBN 978-81-904760-1**)

- ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “Resolver to Digital Converter Based on Angle Tracking Observer Method,” Proceedings of International Conference on Advances in Engineering and Technology (ICAET2012), Nagapattinam, India, 28<sup>th</sup>& 29<sup>th</sup> March 2012. (**Print: ISBN 978-1-4675-2245-8**).
- ❖ **S Chandra Mohan Reddy**, et.al, “Error Correction Algorithm for UWT equipment,” Proceedings of International Conference in Marine Hydrodynamics (MAHY 2006), Naval Science and Technological Laboratory, Visakhapatnam, India, 5<sup>th</sup>to 7<sup>th</sup>January 2006, pp. 493-504.

## ii) National Conferences:

- ❖ **S Chandra Mohan Reddy**, Nagabhushan Raju Konduru, “A Novel Design Method for Resolver to Digital Converter,” Proceedings of National Conference on Emerging Trends in Engineering & Technology (VNCET’12), Vasai, India, 30<sup>th</sup> March 2012, pp. 343-348.
- ❖ **S Chandra Mohan Reddy**, et.al., “Neural Networks in Speaker Identification,” Proceedings of National Conference on Recent Trends in Electronics and Communications (NCRTEC - 2007), Kurnool, India, 25<sup>th</sup>January 2007, pp. 10-14.

## Workshops attended:

- ❖ One day training program “To learn the optimal Mentor solutions for advanced routing techniques; Concurrent design and collaboration methodologies; 3D PCB design; IP management; and Problem solving with advanced analysis” organised by Mentor PCB Systems Forum at Hyderabad on 9<sup>th</sup> June 2017.
- ❖ Three day short term Training program on “Paper and Article writing with LATEX” organized by Department of Electrical and Electronics Engineering, JNTUA College of Engineering (Autonomous), Pulivendula during 17<sup>th</sup> –19<sup>th</sup> March 2017.
- ❖ Three day workshop on “NBA-SAR Filling & Preparedness for Assessment” organized by Engineering Staff College of India, Hyderabad at Goa during 22<sup>nd</sup>–24<sup>th</sup> January 2017.
- ❖ Four day workshop on “Internet of Things (IoT) for Digital World (Hands-on Practical Training)” organized by Engineering Staff College of India, Hyderabad at Tirupati during 19<sup>th</sup> – 22<sup>nd</sup> December 2016.
- ❖ Five day extensive program on “Vivado and 7 Series Boards,” organized by CoreEL Technologies (India) Private Limited, Bangalore during 6<sup>th</sup> to 10<sup>th</sup> September 2016
- ❖ One day National Level workshop on “Research Concepts and Incubating ideas on IoT,” organized by University College of Engineering (Autonomous) Kakinada, JNTUK, Kakinada on 3<sup>rd</sup> August 2016.

- ❖ Four day workshop on “Automatic Control Systems Analysis and Design with MATLAB/SIMULINK” organized by Indian Institute of Space science and Technology (IIST), Thiruvananthapuram from 17<sup>th</sup> May to 20<sup>th</sup> May 2016.
- ❖ One day workshop on “Patent Drafting and Filing” organized by Engineering Staff College of India (ESCI), Hyderabad at JNTUA College of Engineering, Pulivendula on 23<sup>rd</sup> April 2016.
- ❖ Three day workshop on “3<sup>rd</sup> World Summit on Accreditation (WOSA 2016)” organized by National Board of Accreditation (NBA), New Delhi during 18<sup>th</sup> – 20<sup>th</sup>, March 2016.
- ❖ Two week Summer School on “Signals and Systems” organized by Indian Institute of Technology Gandhinagar, Gandhinagar during June 22<sup>nd</sup> – July 4<sup>th</sup> 2015.
- ❖ Five day workshop on “Management Enhancement Capacity Program” organized by Indian Institute of Management Udaipur, Udaipur during 8<sup>th</sup>– 13<sup>th</sup> June 2015.
- ❖ One day IEEE workshop on “Awareness on Various Programs for Foreign University Collaborations” organized by Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, on 16<sup>th</sup> May 2015.
- ❖ Three day workshop on “Linear Integrated Circuits: A Systems Approach” organized by JNTU Anantapur, Ananthapuramu in collaboration with Sapience Consulting, under the Texas Instruments India University Programme at JNTU, Anantapur during March 2<sup>nd</sup>– March 4<sup>th</sup>, 2015.
- ❖ Four day workshop on “Formulation of Research & Development Initiatives for Scientists and Technologists” organized by Engineering Staff College of India, Hyderabad during 16<sup>th</sup> – 19<sup>th</sup> September 2014.
- ❖ One day workshop on “National Conference on Leadership in Higher Education” organized by Engineering Staff College of India, Hyderabad on July 4<sup>th</sup>, 2014.
- ❖ One day faculty visit to Research Centre Imarath (RCI), Hyderabad organized by Confederation of Indian Industries (CII), New Delhi and TEQIP Andhra Pradesh State Project Facilitation Unit (APSPFU), Andhra Pradesh on 23/05/2014.
- ❖ Five day residential training programme on “Productivity & Competitiveness – Concepts and Measurements” organized by National Productivity Council (NPC), New Delhi at Srinagar during 5<sup>th</sup> March to 9<sup>th</sup> March 2014.
- ❖ Two day workshop on “Soft Computing Techniques for Image Analysis” organized by department of CSE, V.R. Siddhartha Engineering College, Vijayawada during 18<sup>th</sup> & 19<sup>th</sup> December 2013.
- ❖ Five day workshop on “Pedagogy Training” organized by National Institute of Technical Teachers Training and Research, Chandigarh, from October 28<sup>th</sup> to November 1<sup>st</sup>, 2013.

- ❖ One day workshop on “Complementary Domains–VLSI & Embedded Systems” organized by Department of Electronics and Communication Engineering, JNTUA College of Engineering, Ananthapuramu, on April 30<sup>th</sup>, 2013.
- ❖ One day workshop on “Embedded Systems” organized by Pearson Education and Department of Electronics and Communication Engineering, JNTUA College of Engineering, Ananthapuramu on October 5<sup>th</sup>, 2012.
- ❖ UGC Sponsored National Level Two days Workshop on “Thrust Areas in Power Systems” organized by Department of Electrical and Electronics Engineering, JNTUA College of Engineering, Pulivendula on 18<sup>th</sup> and 19<sup>th</sup> November 2011.
- ❖ One day Seminar on “MATLAB® & Simulink® for Engineering Education” organized by Mathworks India Pvt. Ltd. on 6<sup>th</sup> September 2011.
- ❖ National Level Two days Workshop on “ARM Processor Interfacing with Hands on Experience” organized by Department of Electronics and Instrumentation Engineering, Velammal Engineering College, Chennai, during 26<sup>th</sup> - 27<sup>th</sup> August 2011.
- ❖ National Level One day Workshop on “Fuzzy and Embedded Systems–Concepts & Applications (FESCA 2011)” organized by Department of Electronics and Instrumentation Engineering, V.R. Siddhartha Engineering College, Vijayawada, on 22<sup>nd</sup> January 2011.
- ❖ Three week UGC sponsored refresher course on “Design and Applications of Robotic Systems and Advanced Mechanisms” organized by UGC-Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad during March 8<sup>th</sup> – March 31<sup>st</sup>, 2010.
- ❖ Four week UGC sponsored 11<sup>th</sup> Orientation course organized by UGC-Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad during May 7<sup>th</sup> – June 2<sup>nd</sup>, 2007.
- ❖ National Level Five day Workshop on “MATLAB Programming and Applications – MPA2007 (under TEQIP)” organized by JNTU College of Engineering, Hyderabad during January 29<sup>th</sup> to February 2<sup>nd</sup>, 2007.
- ❖ National Level Two day Workshop on “Recent Advances in Digital Image Processing - (RADIP-2K3)” Organized by Department of Electronics and Communication Engineering, Jawaharlal Nehru Technological University College of Engineering (Autonomous), Kakinada on 29<sup>th</sup> and 30<sup>th</sup> December 2003.
- ❖ Two week workshop on “Faculty Development Programme 2003” Organized by Department of Electronics and Communication Engineering, Gayatri Vidya Parishad College of Engineering, Visakhapatnam during April 28<sup>th</sup> – May 8<sup>th</sup>, 2003.

### Foreign Visits:

- ❖ Visited New York, United States of America to present a technical paper in International Conference organized in Cornell University in the year 2014.
- ❖ Visited San Francisco, United States of America to present a technical paper in World Congress on Engineering and Computer Science 2016 organized at University Berkeley in the year 2016.

### Declaration:

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

(Dr. S.Chandra Mohan Reddy)

Date: 16-05-2021

Ananthapuramu.