RESUME
Branch: Electronics and Communication Engineering

1. Name   : **A. SAI SUNEEL**

2. Designation   : Assistant Professor (Senior)

3. Address for Communication   : Dr. No: 6-149,
   K. T. Street, Chowdepalle (P&M),
   Chittoor-517257.

4. E-mail   : saisuneel.adem@gmail.com

5. Contact Number   : +91-9490063616

6. Date of Birth   : 15.07.1986

7. Academic Qualifications   :

Degree	Specialization	College/Board/University	Percentage (%)	Year of Pass	Class
Ph.D. (Pursuing)	Wireless Communication	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Technology and Science, Chennai	-	2022	-
M.Tech.	DECS	Sree Vidyanikethan Engineering College, Tirupati	87.24	2010	First Class with Distinction **(Gold Medal)**
B.Tech.	ECE	Kuppam Engineering College, Kuppam	78.33	2007	First Class with Distinction
Intermediate	Mathematics, Physics& Chemistry	Krishna Teja Jr. College, Tirupati	87.00	2003	First Class with Distinction
X	Mathematics, Physics& Chemistry	Z.P.H. School, Chowdepalle	78.66	2001	First Class with Distinction

8. Total Experience   : **11 Years 6 Months**

9. Experience Details   :

Teaching   : 11 Years 6 Months

Position	From	To	Institution/University
Assistant Professor (Senior)	27th June'2016	Till Date	SoET, SPMVV, Tirupati.
Academic Consultant	27th June'2012	15th May'2016	SoET, SPMVV, Tirupati.
Assistant Professor	16thDecember'2010	9th May'2012	SITSW, Tirupati.

10. Professional Membership   :   1) LMISTE (LM89396)
    2) MIETE (M237838)

11. Research Papers Published	:	International Journal: 24 **(List enclosed)**
12. Patents	:	2 **(List enclosed)**
13. Books / Book Chapters Published	:	International: 5 **(List enclosed)**
14. Papers Presented	:	International Conferences : 20 National Conferences : 17 **(List enclosed)**
15. Resource Person (Speaker)	:	2 **(List enclosed)**
16. Workshops / FDP's / Courses attended	:	66 **(List enclosed)**
17. Workshops /FDP's Conducted	:	1 **(List enclosed)**
18. Webinars	:	10 **(List enclosed)**
19. Project Guidance	:	Number of B.Tech Mini-projects guided: 16 Number of B.Tech Major- projects guided: 22 Number of M.Tech Major- projects guided: 14
20. Prizes/awards received	:	3 **(List enclosed)**
21. Academic Identity	:	

Employee ID: ECEAP008

Orcid ID: 0000-0002-0989-2522

Scopus ID: 57195070826

WOS/ Research ID: ABG-2998-2021

Google Scholar ID: NZKGriYAAAAJ

LIST OF PUBLICATIONS

Publication in International Journals:

Web of Science (SCI/SCIE/ESCI) International Journals:

1. "Peak detection based energy detection of a spectrum under Rayleigh fading noise environment"-**A. SAI SUNEEL,** Dr. S. Shiyamala an issue on Journal of Ambient Intelligence and Humanized Computing, Springer**,** 2020, JAIHC, Vol. 12, Issue 3 February 2020,**ISSN: 1868-5137; Impact Factor: 1.589 ; pp. 4237-4245.**

Scopus Indexed International Journals:

2. "Cooperative Spectrum Sensing based Cognitive Radio System for 5G Communication"- T. Mounika, **A. SAI SUNEEL** an issue on Natural Volatiles and Essential Oils, 2021, NVEO, Vol. 8, Issue 5, December 2021, **ISSN: 2148-9637; Impact Factor: 0.21;pp. 5236-5245.**

3. "Reduction of Packet Collision in Sensor Networks by Cooperative Routing Algorithm and Power Assignment"-**A. SAI SUNEEL** an issue on Turkish Journal of Computers and Mathematics Education, 2021, TURCOMAT, Vol. 12, Issue 10, April 2021, **ISSN: 1309-4653; Impact Factor: 0.218;pp. 754-764.**

4. "Dynamic Threshold Selection Through Noise Variance for Spectrum Sensing"-**A. SAI SUNEEL,** Dr. S. Shiyamala an issue on International Journal of Engineering and Advanced Technology**,** 2019, IJEAT, Vol. 8, Issue 3S, February 2019,**ISSN: 2249-8958;Impact Factor: 0.1;pp. 230-234.**

5. "A Novel Energy Detection of Spectrum Based on Noise Measurement: A Review"-**A. SAI SUNEEL,** Dr. S. Shiyamala an issue on Journal on Advanced Research in Dynamical & Control Systems, 2019, JARDCS, Vol. 11, Special Issue 1, April 2019,**ISSN: 1943-023X;Impact Factor: 0.112; PP 870-873.**

6. "Feasibility Investigation on Cognitive Radio Network Systems: Hearsay Algorithm"-**A. SAI SUNEEL**, Dr. S. Shiyamala an issue on Social Science Research Network, SSRN,April 2018, **e-ISSN: 1556-5068; Impact Factor: 2.0; pp. 1-5.**

UGC–CARE Approved International Journals other than Web of Science/SCOPUS:

7. "A Strong Optimization for Power-Domain Non-orthogonal Multiple Access (NOMA) By 5G Mobile Networks"-**A. SAI SUNEEL,** C. Hany Priya an issue on International Journal of Advanced Science and Technology**,** 2020, IJAST, Vol. 29, Issue 3, January 2020,**ISSN: 2005-4238;Impact Factor: 0.13; pp. 3301-3310.**

8. "E-Shape Patch Antenna for Millimeter Wave Communication"- K.NALINI, **A. SAI SUNEEL**, S.B.SRIDEVI, an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0; PP 1199-1207.**

9. "Minimization of High Density Impulse Noise by using Impulse Invariant Filter "-S.B.SRIDEVI, K.NALINI, **A. SAI SUNEEL,** an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0; PP 1048-1053.**

10. "Password Recognition System using LIS3LV02DQ MEMS Sensor and PIC16F877A Microcontroller "- C. VAMSI VARSHIKA, **A. SAI SUNEEL,** an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0; PP 1032-1037.**

11. "Emergency Communication Planning for Smoke and Fire Detection through Wireless Network "-**A. SAI SUNEEL**, S.B.SRIDEVI, K.NALINI an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0; PP 1010-1016.**

12. "Coin based Mobile Charger using Solar Tracking System "- S.B.SRIDEVI, K.NALINI, **A. SAI SUNEEL,** an issue on International Journal of Advanced Research in Electronics and Communication Engineering, IJARECE, Vol. 2, Issue 9, September 2013, **ISSN: 2278-909X; Impact Factor: 4.295; PP 741-745.**

13. "Dual Security using Fingerprint and Password in Banking Systems"-**A. SAI SUNEEL**, S.B.SRIDEVI, K.NALINI an issue on International Journal Review in Electronics and Communication Engineering, IJRECE, Vol. 1, Issue 3, August 2013, **e-ISSN: 2321-3159;Impact Factor: 1.0014; PP 64-67.**

14. "A Real-time optimal route computation for public transport system using WEB"- K.NALINI, **A. SAI SUNEEL**, S.B.SRIDEVI, an issue on publications of International Journal of Management &Information Technology, IJMIT, Vol. 5, Issue 1, August 2013, **ISSN: 2278-5612; Impact Factor:1.103.; PP 117-122.**

Other International Journals:

15. "Double Talk Acoustic Echo Cancellation by using Adaptive Filter"-**A. SAI SUNEEL,** M. Krupa Swaroopa Rani an issue on International Journal of Advanced Scientific Technologies, Engineering and Management Science, IJASTEMS, Vol. 3, Special Issue 1, March 2017, **ISSN: 2454-356x; Impact Factor: 4.008; PP 32-41.**

16. "RF Distance Bounding Realization for Wireless Devices by using Tight"- M. Lilly Prasanna, **A. SAI SUNEEL** an issue on International Journal of Scientific Engineering and Technology Research, IJSETR, Vol. 5, Issue 46, November 2016, **ISSN: 2319-8885; Impact Factor: 5.762; PP 9400-9404.**

17. "Design and Simulation of Solid State Power Amplifier with ADS for Pulsed RADAR Applications"- G. ANUSHA, **A. SAI SUNEEL**, M. DURGA RAO an issue on International Journal of Innovative Research in Computer and Communication Engineering, IJIRCCE, Vol. 3, Issue 6, June 2015, **ISSN: 2320-9801; Impact Factor: 6.577;PP 6276-6281.**

18. "Extensive Investigation and Research on Cognitive Radio Systems"- **A. SAI SUNEEL**, Dr. Raj Rai Mishra an issue on International Journal of Industrial Electronics and Electrical Engineering, IJIEEE, Vol. 2, Issue 5, May 2014, **ISSN: 2347-6982; Impact Factor: 2.51; PP 59-68.**

19. "Implementation of Solar Tracking System for Maximum output Power"- S.B.SRIDEVI, **A. SAI SUNEEL**, K.NALINI an issue on International Journal of Software and Hardware Research in Engineering, IJSHRE, Vol. 2, Issue 3, March 2014, **ISSN: 2347-4890; Impact Factor: 4.528; PP 23-30.**

20. "Road map for Navigation using GPS Data"- R. KALYAN, VITTALAM D KUMAR REDDY, S. RAKESH, **A. SAI SUNEEL**, an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0.;PP 1257-1262.**

21. "BIST Controller Design to monitor Fault Detection Activity with Hold Logic and a Signature Generation Element"- R. KALYAN, VITTALAM D KUMAR REDDYK. MANJUNATH, **A. SAI SUNEEL**, an issue on International Journal of Engineering Sciences Research, IJESR, Vol. 4, Special Issue 1, January 2014, **ISSN: 2230-8504; e-ISSN: 2230-8512; Impact Factor: 2.0.; PP 1118-1123.**

22. "Telemetry System for Utility Metering Application through GSM Network"- **A.SAI SUNEEL**, an issue on International Journal on Publications of Problems & Application in Engineering Research, IJPAPER, Vol. 4, Special Issue 1, May, 2013, **ISSN: 2230-8547; e-ISSN: 2230-8555; Impact Factor: 1.3.; pp. 311-317.**

23. "Person or Object Tracking and velocity estimation in real time videos"- **A.SAI SUNEEL**, an issue on International Journal on Publications of Problems & Application in Engineering Research, IJPAPER, Vol. 4, Special Issue 1, May, 2013, **ISSN: 2230-8547; e-ISSN: 2230-8555; Impact Factor: 1.3.; pp. 292-299 .**

24. "Ad Hoc Routing for Bluetooth using Epidemic Algorithm"- **A.SAI SUNEEL**, an issue on International Journal on Publications Problems & Application in Engineering Research, IJPAPER, Vol. 4, Special Issue 1, May, 2013, **ISSN: 2230-8547; e-ISSN: 2230-8555; Impact Factor: 1.3.; PP 141-147.**

LIST OF BOOKS/ BOOK CHAPTERS

Scopus Indexed Book Chapters Published in International:

1. "Pollution Monitoring System using Raspberry pi and PHP Web server"-T. Monica, **A. SAI SUNEEL** an issue Proceedings of International Conference on Computational and Bio Engineering (Springer) with part of the book series Lecture Notes in Systems and Networks, 2021, **e-ISBN: 978-981-16-1940-0; P-ISBN: 978-981-16-1940-3; ISN: 2367-3370; e-ISSN: 2367-3389; PP 365-379.**

2. "Effective usage of audio watermarking with the Fibonacci series in shielding the digital multimedia from malicious attacks"-**A. SAI SUNEEL,** K. Prasanthi an issue proceedings of International Conference on Power, Control, Signals and Instrumentation Engineering (IEEE), 2017, **e-ISBN: 978-1-5386-0814-2; P-ISBN: 978-1-5386-0813-5;CD-ROM ISBN: 978-1-5386-0812-8; POD-ISBN: 978-1-5386-0815-9; PP 841-850.**

3. "Multiple Input Multiple Output Cooperative Communication Technique Using for Spectrum Sensing in Cognitive Radio Network"-**A. SAI SUNEEL,** K. Prasanthi an issue proceedings of International Conference on Signal Processing, Communication, Power, and Embedded System (IEEE), 2016, **e-ISBN: 978-1-5090-4620-1; POD-ISBN: 978-1-5090-4621-9; PP 2052-2063.**

Book Chapters Published in National / International:
4. "A Novel artificial Intelligence architecture for sensing the primary user in the spectrum"- **A.SAI SUNEEL**, an issue of Proceedings of International Conference on advanced computing and Informatics Engineering (ICACI 2022), September, 2022, **ISBN-13: 978-93-5625-435-0; PP 18-18.**

5. "SNR Evolution is Improved for OFDM-IDMA Systems"- **A.SAI SUNEEL**, an issue of Proceedings of National Conference on Innovations in IT & Engineering (IITE2013),Vol. 1, April, 2013, **ISBN: 978-93-83083-10-7; PP 151-156.**

LIST OF PATENTS

1. Indian Patent published with a title "Peak Detection Based Energy Detection of a Spectrum under Rayleigh Fading Noise Environment" on October 1, 2021 with application ID: 202141041465.

2. Indian Patent published with a title "Smart farming by using IOT and Cloud computing" on September 19, 2021 with application ID: 202141039040.

PRESENTED PAPERS IN CONFERENCES

International Conferences:
1. "A Novel Artificial Intelligence Architecture for sensing the Primary User in the Spectrum" –**A. SAI SUNEEL,** International Conference on Advanced Computing and Informatics (ICACI 2022) held during September 09 to September 10, 2022 organized by SIMATS School of Engineering, Chennai, India.

2. "An Improved Image Enhancing Technique for Under Water Images by using White Balance Approach" –**A. SAI SUNEEL,** 4th International Conference on Computer and Communication Technologies (IC3T 2022) held during July 29 to July 30, 2022 organized by Kakatiya Institute of Technology and Science, Warangal, India.

3. "Cooperative Spectrum sensing based Cognitive Radio system for 5G communication" –**A. SAI SUNEEL,** 37th World Conference on Applied Science, Engineering and Technology (WCASET 2021) held during August 18 to August 19, 2021 organized by Institute for Engineering Research and Publication (IFERP), Jakarta, Indonesia.

4. "A Novel Artificial Intelligence Architecture for sensing the Primary User in the Spectrum" –**A. SAI SUNEEL,** International Conference on Computational and Bio Engineering (CBE-20) held during December 4 to December 5, 2020, Department of Bio Sciences and Sericulture, Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.

5. "Pollution Monitoring System using Raspberry Pi and PHP Web Server" –**A. SAI SUNEEL,** International Conference on Computational and Bio Engineering (CBE-20) held during December 4 to December 5, 2020, Department of Bio Sciences and Sericulture, Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.

6. "Reduction of Packet Collision in Sensor Networks by Cooperative Routing Algorithm and Power Assignment" –**A. SAI SUNEEL,** International Conference on Computing, Communications and Data Engineering (CCODE-2020) held during November 6-November, 2020, Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.

7. "A Strong Optimization for Power Domain Non Orthogonal Multiple Access (NOMA) by 5G Networks" –**A. SAI SUNEEL,** International Conference on Communication Systems (ICCS19) held during October 18 to October 19, 2019, B. K. Birla Institute of Engineering and Technology, Rajasthan, India.

8. "Peak Detection based Energy Detection of Spectrum under Rayleigh Fading Noise Environment " –**A. SAI SUNEEL,** International Conference on Communication Systems (ICCS19) held during October18 to October19, 2019, B. K. Birla Institute of Engineering and Technology , Rajasthan, India.

9. "Dynamic Threshold Selection through Noise Variance for Spectrum Sensing" –**A. SAI SUNEEL,** 18[th]World Conference on Applied Science, Engineering and Technology (18-WCASET) held during April 25 to April 26, 2019, Philippines University, Manila, Philippines.

10. "An Algebraic Approach of Spectrum Sensing Based on Noise Measured Energy Detection: A Review" –**A. SAI SUNEEL,** International Conference on New Trends in Engineering and Technology (ICNTET-2018) held during September 7 to September 8, 2018, GRT Institute of Engineering and Technology , Tiruttani, Tamilnadu, India.

11. "Packet Collision Minimization in Sensor Networks by using Cooperative Routing Algorithm and Power Assignment" –**A. SAI SUNEEL,** International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering (ICRIEECE-2018) held during July 27 to July 28, 2018, Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, India.

12. "Feasibility Investigation on Cognitive Radio Network Systems: Hearsay Algorithm" –**A. SAI SUNEEL,** International Conference on Universal Computing, Communications and Data Engineering (CCODE-2018) held during February 7 to February 8, 2018, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.

13. "Effective usage of Audio Watermarking with the Fibonacci Series in Shielding the Digital Multimedia from Malicious Attack" –**A. SAI SUNEEL,** International Conference on Power, Control, Signals and Instrumentation (ICPCSI-2017) held during September 21 to September 22, 2017, Saveetha Engineering College, Chennai, India.

14. "Double Talk Acoustic Echo Cancellation by using Adaptive Filter" –**A. SAI SUNEEL,** International Conference on Innovative Applications in Engineering and Information Technology (IAEIT-2017) held during February 1 to February 2, 2017, Department of Computer Science, SPMVV, Tirupati, India.

15. "Secure Image Transmission by Reversible Color Transformations" –**A. SAI SUNEEL,** International Conference on Applied Science, Engineering & Technology (ICASET-2016) held during October 18 to October 19, 2016, Swetha Institute of Technology and Science, C. Ramapuram, Tirupati, India.

16. "Multiple Input Multiple Output Cooperative Communication Technique using for Spectrum Sensing in Cognitive Radio Network" –**A. SAI SUNEEL,** International Conference on Signal Processing, Communication, Power and Embedded System(SCOPES-2016) held during October 3 to October 5, 2016, Centurian University of Technology and Management, Paralakhemundhi, Odisha, India.

17. "Spectrum Sensing in Cognitive Radio Network by using Multiple Input Multiple Output Cooperative Communication" –**A. SAI SUNEEL,** International Conference on Computational, Mathematical and Biological Modeling(ICCMBM-2016) held during March 25 to March 26, 2016, SPMVV, Tirupati.

18. "GPS Based Location Tracking through Android Operating System"" –**A. SAI SUNEEL,** International Conference on Statistics and Information Technology for A Growing Nation (ICSITAGN-2014) held during November 30 to December 2, 2014, S.V. University, Tirupati.

19. "Extensive Investigation and research on Cognitive Radio Systems" –**A. SAI SUNEEL,** International Conference on Electrical, Electronics and Computer Engineering (ICEECE-2014) held during April 5, 2014, Pondicherry.

3. "Telemetry System for Utility Metering Application through GSM Network" –**A. SAI SUNEEL,** International Conference on Advances in Mathematical and Computational Methods (AMCM-2011) held during January 5 to January 7, 2011, SPMVV, Tirupati.

National Conferences:

1. "Smart Wrist Band for Women Safety"-**A. SAI SUNEEL**, A Virtual National conference on Artificial Intelligence-Current Trends and Applications(AICTE-2020), March 27 to March 28, 2020, DST-CURIE-AI,SPMVV, Tirupati.

2. "A Novel Method for Spectrum Sensing using Noise Variance"-**A. SAI SUNEEL**, National conference on Developments in Information and Communication Technology for Emerging Regions (NCICT-19),January 28 to January 29, 2019, Department of Computer Science, SPMVV, Tirupati.

3. "Speed Detection System of Camera using Image Processing Techniques"-**A. SAI SUNEEL**, National conference on Signal and Information Processing (NCSIP-2K17), March 30 to March 31, 2017, Department of ECE,S. V. University, Tirupati.

4. "A New Secure Image Transmission Technique via Secret-Fragment-Visible Mosaic Images by Nearly Reversible Color Transformations"-**A. SAI SUNEEL**, Indian Science Congress, January 3 to January 7, 2017, S. V. University, Tirupati.

5. "Acoustic Echo Cancellation for Speech Processing"-**A. SAI SUNEEL**, National Conference on Advances in Communication, Signal Processing and VLSI, March 11 to March 12, 2016, ASIST, Pariatala, Krishna District Conducted by Department of Science and Technology (DST).

6. "Peak to Average Power Ratio Reduction in MIMO-OFDM Downlink"-**A. SAI SUNEEL**, First National AP Science Congress, January 27 to January 29, 2016, S. V. University, Tirupati.

7. "Design and Simulation of Solid State Power Amplifier with ADS for Pulsed RADAR Applications"- **A. SAI SUNEEL**, National Seminar/conference on Energy Security through New and Renewable Energy Sources– 2015,July 27 to July 29, 2015, S. V. University, Tirupati.

8. "Automatic Plant Irrigation System"- **A. SAI SUNEEL**, National conference on Conservation of Eastern Ghats– 2014, December 4 to December 5, 2014, S. V. University, Tirupati.

9. "Emergency Communication Planning for Smoke and Fire Detection through Wireless Network"- **A. SAI SUNEEL**, National conference on Advances in Computational Intelligence and Computer Engineering ACICE – 2013, October23 to October24, 2013, SPMVV, Tirupati.

10. "Minimization of High Density Impulse Noise by using Impulse Invariant Filter"- **A. SAI SUNEEL**, National conference on Advances in Computational Intelligence and Computer Engineering ACICE – 2013, October23 to October24, 2013, SPMVV, Tirupati.

11. "E-Shape Patch Antenna for Millimeter Wave Communication"- **A. SAI SUNEEL**, National conference on Advances in Computational Intelligence and Computer Engineering ACICE – 2013, October23 to October24, 2013, SPMVV, Tirupati.

12. "SNR Evolution is Improved for OFDM-IDMA Systems"-**A.SAI SUNEEL**, National conference on Innovations in IT & Engineering (IITE2013),April 20 to April 22, 2013, SV University, Tirupati.

13. "Ad Hoc Routing for Bluetooth using Epidemic Algorithm"- **A. SAI SUNEEL**, National Conference on Computer Science, Engineering and Applications, CSEA – 2012, November 9 to November 10, 2012, SPMVV, Tirupati.

14. "Emergency communication planning for smoke and fire detection system through wireless network"- **A. SAI SUNEEL**, National conference on Computer Science, Engineering and Applications CSEA – 2012,November 9 to November 10, 2012, SPMVV, Tirupati.

15. "Person or Object Tracking and velocity estimation in real time videos"- **A. SAI SUNEEL**, National conference on Computer Science, Engineering and Applications CSEA – 2012,November 9 to November 10, 2012, SPMVV, Tirupati.

16. "Solar based Mobile Charger for Rural Areas"- **A. SAI SUNEEL**, National conference on Recent Advances and its applications in Mathematical Modeling ,February 1 to February 2, 2010, SPMVV, Tirupati.

17. "Intelligent automatic plant irrigation system"- **A. SAI SUNEEL**, National conference on Intelligent Systems and Communications NCISC – 2009,December 2 to December 3, 2009, SPMVV, Tirupati.

LIST OF WORKOPS AS A RESOURCE PERSON

1. Three days Seminar cum workshop on "Wireless Communication and its Emerging Technologies", Conducted by APHRDI, Bapatla, Guntur District from September 1 to September 3, 2016.

2. Three days Seminar cum workshop on "Malicious Software and its Underground Economy", conducted by APHRDI, Bapatla, Guntur District from August 29 to August 31, 2016.

LIST OF WORKSHOPS / FDP's / COURSES

Workshops:

1. One week ATAL-AICTE-ARM-STM Online Workshop on "Designing and Modeling of IOT, AI and ML Systems ", conducted by AICTE from August 01 to August 05 , 2022.

1. Two days' Workshop on "National Education Policy-2020: A Road Map to Revamp the Indian Education System", Conducted by Sri Venkateswara University and Sri Padmavati Mahila Visvavidyalayam, Tirupati from March 22 to March 23, 2022.

2. Two days' Online Workshop on "LaTex ", Conducted by Department Computer Science and Engineering, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati from September 30 to October 1, 2021.

3. Three days' National Level online Training Program on "Yoga ", Conducted by Department Physical Education and Wellness Centre, Sri Padmavati Mahila Visvavidyalayam, Tirupati from June 18 to June 20, 2021.

4. Three days' online Workshop on "Design of Microwave Components and Antennas using CST MSW Tool", Conducted by Department of ECE, Vel Tech Rangarajan and Dr. Sagunthala Institute if Science and Technology from December 7 to December 11, 2020.

5. Five days' online Workshop on" System Design using Vivado Design Suit", Conducted by Department of ECE, Vel Tech Rangarajan and Dr. Sagunthala Institute if Science and Technology from December 7 to December 11, 2020.

6. Four days' online Workshop on "Design of Drones", Conducted by Sreenidhi Institute of Science and Technology, Hyderabad from May 26 to May 29, 2020.

7. One day Hands on Workshop on "Empowering Effective Scientific Research by Harnessing the Power of Web of Science and Managing References using Endnote", Conducted by Guru Nanak Dev University, Amrithsar and Clarivate Analyticson May 20, 2020.

8. One Week Hands on Workshop on "Python and Data Science", Conducted by DST-CURIE-AI, SPMVV from March 2 to March 7, 2020.

9. Two days' UGC sponsored workshop on "NAAC-Assessment- Data Verification and Validation Process", Conducted by IQAC, SPMVV, from December 23 to December 24, 2019.

10. One day workshop on "eSim", Conducted by IIT-Bombay at SoET, SPMVV, on 21September 2019.

11. One day workshop on "Scilab", Conducted by IIT-Bombay at SoET, SPMVV, on 04 May 2019.

12. One day workshop on "Patents & IPR", Conducted by SSIIE-TBI, SPMVV, on 27 April 2019.

13. Two days' National workshop on "Plagiarism and Publishing in SCOPUS Indexed Journals", conducted by IQAC, NWPPS-18, Sri Padmavati Mahila Visvavidyalayam, Tirupati, from January 4 to January 5, 2019.

14. Three days' workshop on "Signal & Image Processing", Conducted by Department of Electronics and Communication Engineering, S V U College of Engineering, S V University, Tirupati, from March 2 to March 4, 2017.

15. Three days' workshop on "Reengineering on Public Governance", Conducted by APHRDI, Bapatla, Guntur District from November 24 to November 27, 2016.

16. One day workshop on "Research Expo-2016", Conducted by IIIT-Chittoor, Sri City, on 22 October 2016.

17. Three days' workshop on "Internet of Things (IOT)", Conducted by APHRDI, Bapatla, Guntur District from September 21 to September 23, 2016.

18. A course on "Rin Career Ready Academy Mobile Course" Conducted by British Council, on 1 August to 30 August 2015.

19. One day Seminar cum workshop on "Recent Trends in Communication System design", Conducted by Akedemica at Hotelkeys Vihas, Tirupati on 15 July 2015.

20. One week workshop on "Intensive Soft Skills and Employability Skills" Conducted by School of Engineering and Technology , HCL and Aditya Birla Group, SPMVV, Tirupati on 9 May to 15 May 2015.

21. Two Days workshop on "Artificial Intelligence and Robotics", Conducted by Computer Science & Engineering Department, SE&T, SPMVV, Tirupati from 26 March 2014 to 27 March 2014.

22. One day workshop on "MATLAB & Simulink for Engineering Education", Conducted by Math works India at Hotel Grand Ridge, Tirupati on 11 February 2014.

23. Three days' workshop on "Database Administrative Fundamentals", Conducted by Microsoft Technology Associate at SPMVV, Tirupati from 23 March 2013 to 25 March 2013.

FDP's:
1. One week' National Level Online FDP on "Implementation of NEP 2020 FOR University and College Teachers", conducted by IGNOU from 09 September to 17 September, 2022.

2. Two Days' DRDO sponsored Online FDP on "Modern Antenna Design for 5G and its related applications", conducted by KPR Institute of Engineering and Technology, Coimbatore from 22 August to 23 August, 2022.

3. One week AICTE Recognized Online FDP on "Antenna Design using Soft Computing Algorithms", conducted by NITTTR, Chandigarh from 25 July to 29 July, 2022.

4. Two weeks' National Level Online FDP on "AICTE Student Learning Assessment – STTP-PARAKH-in collaboration with Construction Industry Development Council (CIDC)", conducted by AICTE and CIDC from 30 April to 14 May, 2022.

5. Five Days' National Level Online FDP on "RF Applications using RFSoC Devices ", conducted by Electronics & Communication Engineering, School of Electrical and Communication Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai from 22 November to 26 November, 2021.

6. Two weeks' National Level Online FDP on "Digital tools for Writing, Authoring and Reviewing Manuscripts ", conducted by Electronics & ICT Academies IIT Guwahati, NIT Patna, MNIT Jaipur, IIT Kanpur, IIITDM Jabalpur and IIT Roorkee from 12 July to 23 July, 2021.

7. One week National Level Online FDP on "Outcome Based Education and Quality Initiatives (FDP-OBEQI-2021) ", conducted by IQAC, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Chittoor District, Andhra Pradesh from 21 June to 26 June, 2021.

8. One week National Level Online FDP on " Research, Innovation and Techno Entrepreneurship (RITE-2021) ", conducted by R&D Cell and Student Innovation Club, Vemu Institute of Technology, P. Kotha Kota, Pakala, Chittoor District, Andhra Pradesh from 14 June to 18 June, 2021.

9. One week National Level Online FDP on " Machine Learning-Recent Trends and Applications ", conducted by Srinivasa Ramanujan Institute of Technology, Anantapuramu, Andhra Pradesh from 10 May to 15 May, 2021.

10. One week National Level Online FDP on " RF Technology for Energy Harvesting, Medical and General Applications ", conducted by Sreyas Institute of Engineering and Technology, Hyderabad, Telangana from 14 December to 18 December , 2020.

11. One week National Level Online FDP on " Graphical System Design Approach for Digital Image and Video Processing Applications", conducted by RVR and JC College of Engineering, Andhra Pradesh from 2 November to 7 November, 2020.

12. Six days Online FDP on "Artificial Intelligence and 5G Communication Technology", conducted by Poornima College Engineering, Jaipur, Rajasthan from 5 October to 10 October, 2020.

13. One week National Level Online FDP on "NAAC Revised Accreditation Frame: An Overview (FDP-NARF-2020) Work", conducted by IQAC Cell, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh from 14 September to 19 September, 2020.

14. Five day's National Level Online FDP on "Trends and Challenges in the Design and Implementation of Planar Antennas", conducted by Sreenidhi Institute of Science and Technology, Telangana from 1 September to 5 September, 2020.

15. TEQIP-III Sponsored One week Online FDP on "Sub-Micrometer Semiconductor Device to Circuit Co-design and Modeling Techniques", conducted by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab from 20 August to 24 August, 2020.

16. Six day's Online FDP on "High Performance Intelligent Real Time Embedded System Design and Internet of Things to Accelerate Automation System into Autonomous System", conducted by R. M. K Engineering College, Tamilanadu from 3 August to 8 August, 2020.

17. One week Online FDP on "Wireless Communications- Machine Learning Algorithms", conducted by Vardhaman College of Engineering, Telangana from 27 July to 01 August, 2020.

18. One week Online FDP on "Wireless Communications- Future IoT", conducted by Vardhaman College of Engineering, Telangana from 20 July to 25 July, 2020.

19. One week Online FDP on "Recent Advances in Wireless Communications and Future Challenges", conducted by Vardhaman College of Engineering , Telangana from 13 July to 18 July, 2020.

20. One week Online FDP on "Recent Advances in Biomedical applications and Communication Networks", conducted by GMR Institute of Technology, Andhra Pradesh from 13 July to 18 July, 2020.

21. Two days' Online FDP on "MATLAB and Simulink in Engineering Education", conducted by APSSDC with collaboration with Mathworks from 10 June to 11 June, 2020.

22. One week Online FDP on "Research Trends in VLSI Design", conducted by NITTTR, Chandigarh from 25 May to 29 May, 2020.

23. One week Online FDP on "Technological Interventions using Wireless Communications", conducted by NITTTR, Chandigarh from 18 May to 22 May, 2020.

24. One week Online FDP on "Innovation to Academicians", conducted by Ramachandra Engineering College and NSTEDB, Eluru from 11 May to 16 May, 2020.

25. One week Online FDP on "Neural Networks and CNN", conducted by NITTTR, Chandigarh from 11 May to 15 May, 2020.

26. One week ATAL-AICTE Online FDP on "Internet of Things", conducted by National Institute of Technology (NIT), Jamshedpur from 07 May to 11 May, 2020.

27. One week Online FDP on "Recent Trends in Advanced Communications", conducted by Laki Reddy Bali Reddy College of Engineering, Mylavaram from 04 May to 09 May,2020.

28. One week ATAL-AICTE Online FDP on "Robotics", conducted by NITTTR, Chandigarh from 02 May to 06 May, 2020.

29. One week Online FDP on "Teaching and Learning for Accreditation in Technical Education", by NITTTR, Chandigarh from 27 April to 1 May, 2020.

30. One week Online FDP on "Nanomaterials and Devices", conducted by NITTTR, Chandigarh from 27 April to 1 May, 2020.

31. One week ATAL-AICTE Online FDP on "Artificial Intelligence", conducted by Indian Institute of Information technology (IIIT), Nagapur from 24 April to 28 April, 2020.

32. One week FDP on "Building Rural Resilience", conducted by MGNCRE, Government of India, from 04 December 2019 to 08 December, 2019.

33. One Week Online FDP on "Assessment and Evaluation under Outcome Based Education", conducted by NITTTR, Kolkata, from 10 June 2019 to 14 June, 2019.

34. One Week Online FDP on "Introduction to Artificial Intelligence", conducted by NITTTR, Kolkata, from 06 May 2019 to 10 May, 2019.

35. One Week Online FDP on "NBA Accreditation", conducted by NITTTR, Kolkata from 22 April 2019 to 26 April, 2019.

36. Four week NPTEL-AICTE approved FDP on "Basics of Software Defined Radios and Practical Applications", conducted by IIT Madras, MHRD, 28 January-28 February, 2019.

37. Two Week AICTE approved FDP on "Pedagogy for Online and Blended Teaching-Learning Process (FDP 201X)", conducted by IIT Bombay, Under Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT), MHRD, from 30 October 2018 to 13 December, 2018.

38. Two Week AICTE approved FDP on "Foundation Program in ICT for Education (FDP 101X)", conducted by IIT Bombay, Under Pandit Madan Mohan Malaviya National

Mission for Teachers and Teaching (PMMMNMTT), MHRD, from 13 September 2018 to 18 October, 2018.

Courses:
1. TEQIP-III Sponsored One week short term Online Certification Course on "Effective Tools and Techniques in Qualitative Research", conducted by Department of Electronics and Communication Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab, 10 August-14 August, 2020.

2. ISRO-IIRS Online Certification Course on "Remote sensing & GIS Technology and its applications for University Teachers and Government Officials", conducted by ISRO-IIRS, Dehradun, 13 June-01 July, 2020.

3. NPTEL Online Certification Course on "Principles of modern CDMA/MIMO/OFDM Communications" conducted by IIT Kanpur, 07 August –10 December, 2019.

4. NPTEL Online Certification Course on "Basics of Software Defined Radio and Practical Applications" conducted by IITR, 28 January-28 February, 2019.

Workshops /FDP's Conducted:

1. Conducted One Week Training Program on "NBA Accreditation", in association with NITTTR, Kolkata, from 22 April 2019 to 26 April 2019.

Webinars:

1. One day national Level webinar on "Yoga and Health", conducted by Conducted by Department Physical Education and Wellness Centre, Sri Padmavati Mahila Visvavidyalayam, Tirupati on June 21, 2020.

2. One day national Level webinar on "NAAC Assessment and Accreditation Process and Awareness about the NEP 2020 ", conducted by IQAC, Sri Padmavati Mahila Visvavidyalayam, Tirupati on August 26, 2020.

3. One day webinar on "Recent Trends of ICT & 5G towards Sustainable Development Goals", conducted by Poornima College of Engineering, Jaipur on May 30, 2020.

4. One day webinar on "Introduction to 5G and it's Applications", conducted by Vaagdevi Engineering College, Warngal, Telangana on May 25, 2020.

5. Three days' webinar on "Satellite and Automation", conducted by GSSS Institute of Engineering and Technology for Women, Mysuru and IEEE Bangalore section from May 11 to May 13, 2020.

6. One day webinar on "Modeling and Design of Low Cost Group IV based Photo Detector", conducted by Vaagdevi Engineering College, Warngal, Telangana on May 16, 2020.

7. One day webinar on "IOT Technologies for Smart Cities", conducted by SCAD College of Engineering and Technology, Tirunvelion May 15, 2020.

8. Five days' webinar on "Knowledge Sharing Session on Recent Trends and its Applications in Electronics", Conducted by St. Martin's Engineering College, Secunderabad from May 3 to May 7, 2020.

9. One day webinar on "University Industry Linkage-Different Mechanisms", conducted by Audisankara Group of Institutions, Guduruon May 2, 2020.

10. One day webinar on "How to publish a High Quality Technical Journal Paper", conducted by IEEE, IEEE India Operations on April 20, 2020.

<u>LIST OF Awards / Prizes</u>

1. Received **National level Tutors Pride Ideal Teaching Award Program (ITAP) Awards 2019-Assistant Professor of the year (ECE)** on 02 October 2019 at ITC Kohinoor, Hyderabad on the occasion of 150th Gandhi Jayanthi.

2. Received **L V PASAD Memorial Gold Medal** in M.Tech. JNTUA Anantapuram Region on 19 March 2010 at Sree Vidynikethan Engineering College, Tirupati over the hands Sri. M. Venkayya Naidu garu.

3. Received Gold medal in the Tenth class at Mandal level, 2001.

Date: 31-05-2022

Place: Tirupati

Signature of applicant