

RESUME

Name: Dr. SIRISH KUMAR PAGOTI

Department: E.C.E

Date of Birth: 08.08.1984

Father Name: P.APPARAO

Mother Name: MANI KRISHNA

Reservation Category if Any: BC-D

Address: s/o P.Apparao, H.No:23-282,
MaruthiNagar-4, Narasannapeta,
Srikakulam - 532421.

Mobile Number: 9866212171

Email id: sirishdg@gmail.com / sirishkumar@adityatekkali.edu.in

Date of Joining in the Institution: 08.06.2012

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D	GITAM UNIVERSITY, VISAKHAPATNAM	NA	2021 (FEBRUARY)
M. Tech (VLSISD)	JNTU, KAKINADA	FIRST CLASS WITH DISTINCTION	2012 (FEBRUARY)
B. Tech (E.C.E)	JNTU, HYDERABAD	FIRST CLASS	2008

Total Years of Experience (Teaching/Industry): 14 Years

PERIOD		INSTITUTION	DESIGNATION
08.06.2012	Till date	AITAM, Tekkali	Assistant Professor
03.09.2010	06.06.2012	SISTAM, Srikakulam	Assistant Professor
03.06.2008	14-11-2009	SISTAM, Srikakulam	Assistant Professor



ACCOMPLISHMENTS

1. **Ratified** as an Assistant Professor in 2013 in JNTUK selections.
2. Honored with **Gold Medal** for securing the **Best Ph.D Thesis Award** from GITAM University at 12th convocation for the year 2020-21 in recognition of the thesis entitled “A Novel Kinematic Positioning Algorithm for Improved Accuracy of GNSS/GPS Applications over Low Latitude Indian Subcontinent”.
3. Got **Best Paper award** in 3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR-2021) organized by Institute of Engineering & Management Group, Kolkata, India.
4. Published **2 patents** successfully.
5. **Top 2%** in NPTEL Online Certification Course on “Accreditation and Outcome Based Learning” in Aug-Oct 2019 (8-week course).
6. Secured **Elite + Silver** in NPTEL Online Certification Course on “Global Navigation Satellite Systems and Applications” in July-August 2021 (4-week course).
7. **Reviewer** for the 3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR-2021) organized by Institute of Engineering & Management Group, Kolkata, India on 24th&25th April, 2021.
8. Successfully completed a 4-week **Project-Centered online course** on “**How to Write and Publish a Scientific Paper**”, offered by Polytechnic Institute of Paris, France.
9. Successfully Completed **43 online certified courses** (i.e., Course era/NPTEL) offered by the various Indian and Foreign Universities.
10. **Life member** for the “The Indian Society for Technical Education (ISTE)” since 2017.
11. **Member of International Reviewer Committee** for the 6th International Conference on Computational Intelligence in Data Mining (ICCIDM 2021) organized by Aditya Institute of Technology and Management, Tekkali, on December 11th & 12th, 2021.
12. **Chairing the Technical Session** on “Advances in Intelligent Simulation & Modeling” in the 6th International Conference on Computational Intelligence in Data Mining (ICCIDM 2021) organized by Aditya Institute of Technology and Management, Tekkali, on December 11th & 12th, 2021.

GUIDANCE OF ACADEMIC PROJECTS: 17

- i) Masters Projects : **01**
- ii) Bachelor Projects : **16**

No. of Projects Guided	Master Projects	Bachelor Projects	Published Student Projects
17	01	16	08

DETAILS OF PUBLICATIONS

International Journals: 44

SCIE/ESCI/WOS Indexed: **07**

SCOPUS Indexed Journals: **17**

No. of Journals Published	SCIE/ESCI/WOS	SCOPUS	UGC Approved	Peer Reviewed
44	07	18	06	13

NATIONAL/INTERNATIONAL CONFERENCES: 23

International Conferences: 16

National Conferences: 07

International Conferences	National Conferences	Total No. of Conferences
16	07	23

DETAILS OF PATENTS: 2

S. No	Application Number	PATENT NAME	Date Of Publication	No. Of Claims
1.	201941048019 A	Self Rechargeable Drone	06.12.2019	9
2.	202041051000 A	Automatic Vehicle Speeding Detection, Notification and Tracking System	04.12.2020	5

DETAILS OF ONLINE CERTIFICATION COURSES COMPLETED: 43

Curriculum Specialization Courses	Programming Oriented Courses	Project-Centered Courses	Multidisciplinary Courses	Total No. Of Courses
24	06	04	09	43

DETAILS OF FDP'S/WORKSHOPS / WEBINARS ATTENDED: 70

FDP/STTP	WORKSHOPS	WEBINAR	E-QUIZ	TOTAL
37	18	12	04	71

INTERNATIONAL JOURNALS

1. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Development and Performance Evaluation of Correntropy Kalman Filter for Improved Accuracy of GPS Position Estimation,” *International Journal of Intelligent Networks (IJIN)*, <https://doi.org/10.1016/j.ijin.2022.01.002>, vol. 3, pp.1-8,2022. [ELSEVIER]
2. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “GPS Receiver Position Augmentation using Correntropy Kalman Filter in Low Latitude Terrain,” *The International Arab Journal of Information Technology (IAJIT)*, vol. 19, no.1, pp.72-80, 2022. (SCIE)
3. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, Md. Khaja Mohiddin, “Enhanced Kalman Filter Navigation Algorithm Based on Correntropy and Fixed Point Update,” *International Journal of Engineering and Technology Innovation (IJETI)*, vol. 12. no. 2, pp. 110-129, 2022. (ESCI & SCOPUS)
4. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, J.V. Suman, P. Krishna Rao, “Ambiguities in GNSS Receiver Position Estimation: A Comparative Statistical Error Characterization,” *Computational Intelligence in Pattern Recognition*, Springer, Singapore, vol. 1349, pp. 169-181, 2022. (WOS)
5. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, N. Shiva Kumar, A. S. Srinivasa Rao, “Investigation of Navigation Solutions for Better Accuracy in Position Estimations,” *Computational Intelligence in Pattern Recognition*, Springer, Singapore, vol. 1349, pp. 365-377, 2022. (WOS)
6. V.B.S. Srilatha Indira Dutt, **P. Sirish Kumar**, P. Krishna Rao, “Statistical Distribution of GPS Uncertainties Over Low Latitude Regions of India,” *Computational Intelligence in Pattern Recognition*, Springer, Singapore, vol. 1349, pp. 143-155, 2022. (WOS)
7. Govinda Rao Locharla , **P.Sirish Kumar**, Kiran Kumar Patro, “Design of Sigmoid Architecture for Deep Learning Hardware Accelerators,” *Design Engineering*, no. 8, pp.12413 – 12419, 2021. (SCOPUS)
8. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “A Mutual Extension to Kalman Filter for Interpretation of the GPS Ambiguities,” *Journal of Applied Science and Engineering (JASE)*, vol. 24, no. 1, pp. 73-75, 2021. (ESCI & SCOPUS)
9. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Interpretation of Statistical Errors for Precise GPS Receiver Positioning Using Recursive Least Squares and Extended Kalman Filter

Approaches,” *Communication Software and Networks*, Springer, Singapore, vol.134, pp. 415-423, 2021. (SPRINGER- SCOPUS)

10. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “Implementation of new navigation algorithm based on cross-correntropy for precise positioning in low latitude regions of South India,” *International Journal of Speech Technology (IJST)*, vol. 23, no. 4, pp. 747-756, 2020. (SRINGER- ESCI & SCOPUS)
11. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “The Global Positioning System: Popular Accuracy Measures,” *Materials Today: Proceedings*, vol. 33, no. 7, pp. 4797-4801, 2020. (ELSEVIER- SCOPUS)
12. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, N. Ashok Kumar, “A sensitivity analysis of extended Kalman filter for GPS position estimation with and without clock offset,” *Materials Today: Proceedings*, vol. 33, no. 7, pp. 3626-3629, 2020. (ELSEVIER- SCOPUS)
13. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “A novel kinematic positioning algorithm for GPS applications in urban canyons,” *Materials Today: Proceedings*, vol. 33, no. 7, pp. 3359-3365. 2020. (ELSEVIER- SCOPUS)
14. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “Performance evaluation of suitable navigation algorithm using raw measurements taken from stationary GPS receiver,” *Materials Today: Proceedings*, vol. 33, no. 7, pp. 3366-3371, 2020. (ELSEVIER- SCOPUS)
15. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Investigation on GPS Receiver Position Estimate Error and Performance Analytics Interpretation Using Expanded Least Quadratic Estimator,” *International Journal of Scientific & Technology Research (IJSTR)*, vol. 9, no. 4, pp. 2555-2558, April 2020. (SCOPUS)
16. **P. Sirish Kumar**, L.Ganesh, N.Ashok Kumar, V.B.S. Srilatha Indira Dutt, “GPS Receiver Position Interpretation using Single Point PVT Estimation Algorithm,” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9, no. 2S3, pp. 53-57, December 2019. (SCOPUS)
17. A. S. Srinivasa Rao, M. Bala Krishna, **P. Sirish Kumar**, Ch. Chandrika, Jaganmohan Rao. T, “Implementation of Hybrid Algorithm Based on NSCT for Medical Image Fusion,” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9, no. 2S3, pp. 86-92, December 2019. (SCOPUS)
18. **P. Sirish Kumar**, K. Krishnam Raju, G.Sateesh Kumar, M. Bala Krishna, P. Krishna Rao, “Evaluation of Radar Cross Section in Aerial Operations by using POFACETS for a standard Unmanned Aerial Vehicle (UAV),” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 8, no. 10, pp. 4629-4633, August 2019. (SCOPUS)

- 19. P. Sirish Kumar, V.B.S. Srilatha Indira Dutt, "A Hypothetical Analysis on GPS Evolution, Error Sources, Accuracy Measures and Positioning Services," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 8, no. 9, pp. 3427-3433, July 2019. (SCOPUS)**
- 20. P. Sirish Kumar, V.B.S. Srilatha Indira Dutt, "Evaluation of GPS Receiver Position Accuracy Improvement Using Least Squares Estimator over the South Zone of Indian Subcontinent," *Journal. of Advanced Research in Dynamical & Control Systems (JARDCS)*, vol. 11, no. 6, pp. 114-119, June 2019. (SCOPUS)**
- 21. P. Sirish Kumar, V.B.S. Srilatha Indira Dutt, "Navigation Solutions for GPS Receiver Position Estimation over the southern region of India," *International Journal of Recent Technology and Engineering (IJRTE)*, vol. 7, no. 6, PP. 1672-1675, March 2019. (SCOPUS)**
- 22. Tangudu Ramji, P. Sirish Kumar, "Effect of system's load and their number of operations on tradeoff between latency consumption and bandwidth consumption in OFDM based wireless distributed computing network," *2015 International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)*, pp. 0491-0495, IEEE, 2015. (IEEE Digital Xplore, SCOPUS)**
- 23. P. Sirish Kumar, V.B.S. Srilatha Indira Dutt, "Absolute Point Positioning Algorithm for Navigation Applications," *Lecture Notes in Electrical Engineering (LNEE)*, 2022. (SPRINGER- SCOPUS) [Accepted]**
- 24. P. Sirish Kumar, V.B.S. Srilatha Indira Dutt, "The Correntropy Kalman Filter: A Robust Estimator for GPS Applications," *Lecture Notes in Electrical Engineering (LNEE)*, 2022. (SPRINGER- SCOPUS) [Accepted]**
- 25. P. Sirish Kumar, Ch. Ramesh, Y. Srinivasa Rao, "A Comparative Hypothesis on Static and Kinematic Positioning Algorithms for CAT-I Aircraft Landings," *2021 International Conference on Control, Automation, Power and Signal Processing (CAPS-2021)*, IEEE, 2022. (IEEE Digital Xplore, SCOPUS) [Accepted]**
- 26. Ramji Tangudu, P. Sirish Kumar, "Thermal Strain Resolution Improvement in BOTDR based DTS System using LWT-MPSO Technique," *Lecture Notes in Networks and Systems (LNNS) Series*, 2022. (SPRINGER- SCOPUS) [Accepted]**

INTERNATIONAL JOURNALS (UGC APPROVED)

27. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Performance Analysis of LSE & EKF by Determining the Assorted Parameters to Estimate the Precise Location,” *Journal of Applied Science and Computations (JASC)*, vol. VI, no. V, pp. 2638-2643, May 2019. (UGC)
28. K. Prameela, S. Uma Maheswara Rao, **P. Sirish Kumar**, MNVSS Kumar, “Design of High Directive Planar Antenna using Schelkunoff Polynomial,” *CIIT International Journal of Wireless Communication*, vol. 8, no. 04, pp. 140-143, April 2016. (UGC)
29. L. Vijaya Lakshmi, A. Jaya Lakshmi, M. N. V. S. S. Kumar, **P. Sirish Kumar**, “Radar Target Characteristics Extraction using Polarization Scattering Matrix,” *TELKOMNIKA*, vol. 16, no. 2, pp. 308-315, November 2015 (UGC)
30. **P. Sirish Kumar**, M. Bala Krishna, M. Chaitanya Kumar, “Analysis of Biological Signals using Wavelet Coefficients for finding the Cardiac Diseases & their Severity,” *International Journal of Electronics, Communication & Instrumentation Engineering Research and Development (IJECIERD)*, vol. 4, no. 3, pp. 111-118, June 2014. (UGC)
31. S. Sridhar, V. Lokesh Raju, **P. Sirish Kumar**, “Implementation of Hybrid Model Image Fusion Algorithm,” *IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)*, vol. 9, no. 5, pp. 17-22, Sep-Oct 2014. (UGC)

INTERNATIONAL JOURNALS (PEER REVIEWED)

32. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, N. Ashok Kumar, “Hybrid Algorithm Based on Kalman Filter and Cross Correntropy for GPS Receiver Position Augmentation,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 7, no. 9, pp. 343-346, September 2020. (Google Scholar)
33. **P. Sirish Kumar**, Y. Srinivasa Rao, P. Krishna Rao, “Comparison of Different Measurement Approaches for Locating the Receiver Positioning Systems,” *EPRA International Journal of Research and Development (IJRD)*, vol. 4, no. 5, pp. 168-172, May 2019. (Google Scholar)
34. **P. Sirish Kumar**, Sanapala Umamaheshwararao, M. Bala Krishna, L. Rambabu, “Congestive Heart Failure Recognition by Analyzing The ECG Signals Using Wavelet Coefficients,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 5, no. 6, pp. 240-244, June 2018. (Google Scholar)
35. **P. Sirish Kumar**, Sanapala Umamaheshwararao, Y. Srinivasa Rao, “Design of Adaptive Active Constellation Extension (ACE) algorithm for PAPR reduction in MIMO Systems,” *Imperial Journal of Interdisciplinary Research (IJIR)*, vol. 3, no. 5, pp. 999-1002, 2017. (Google Scholar)

36. **P. Sirish Kumar**, S. Kiran, T. Lakshmana Rao, "Low-Power and Area-Efficient Carry Select Adder," *International Journal of Engineering Research & Technology (IJERT)*, vol. 2, no.12, pp. 975-981, December 2013. (Google Scholar)
37. K. Venugopalarao, D. Hariharasanthosh, **P. Sirish Kumar**, "Design of Aging-Aware Efficient Booth Multiplier Using Adaptive Hold Logic," *International Journal of Scientific & Engineering Research (IJSER)*, vol. 7, no. 6, pp. 607-612, June 2016. (Google Scholar)
38. Tangudu Ramji, **P. Sirish Kumar**, L. Rambabu, A. Rajesh, "Impact of Receiver Systems and Channel's Parameters on Distributed Computing Power Ratio in OFDMA based Wireless Distributed Computing Network," *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)*, vol. 4, no. 8, pp. 281-284, August 2015. (Google Scholar)
39. V. Ashok Kumar, J. Sateesh, **P. Sirish Kumar**, "Effective Digital Watermarking Approach Using Combined DWT-DCT," *International Journal of Engineering Research & Technology (IJERT)*, vol. 2, no. 11, pp. 1269-1274, November 2013. (Google Scholar)
40. B. Praveen Chakravarthy, S. Venkata Swamy, **P. Sirish Kumar**, "Modeling, Simulation and Capability Analysis of Spatially Correlated Channel in MIMO System," *International Journal of Engineering Research & Technology (IJERT)*, vol. 2, no. 10, pp. 1331-1337, October 2013. (Google Scholar)
41. P. Eswara Rao, S. Venkata Swamy, **P. Sirish Kumar**, "Performance of Data Services in Cellular CDMA in Presence of Soft Handoff, Beam Forming and Packet Combining," *International Journal of Engineering Research & Technology (IJERT)*, vol. 2, no.10, pp. 2683-2688, October 2013. (Google Scholar)
42. J. Sateesh, M. Harika, **P. Sirish Kumar**, "Implementation of PAPR Reduction Schemes by using DCT and SLM Techniques," *EPRA International Journal of Research Development (IJRD)*, ISSN (Online): 2455-3662, vol. 4, no.5, pp. 21-29, February 2020. (Google Scholar)
43. J. Sateesh, M. Harika, **P. Sirish Kumar**, "Wireless Ad-hoc Networks Performance Evaluation Using NS-2 and NS-3 Network Simulators," *International Journal of Research in Engineering, Science and Management (IJRESM)*, vol.3, no. 1, pp. 499-503, January 2020. (Google Scholar)
44. M. Chaitanya Kumar, M. Bala Krishna, Laxmi Vandana, T. Sai Mounica Sowmya Sri, **P. Sirish Kumar**, "Smart Parking Solutions – It's Not About the Parking," *EPRA International Journal of Research and Development (IJRD)*, vol. 5, no. 6, pp. 53-57, June 2019. (Google Scholar)

INTERNATIONAL CONFERENCES

1. Ramji Tangudu, **P. Sirish Kumar**, “Thermal Strain Resolution Improvement in BOTDR based DTS System using LWT-MPSO Technique” 4th International Conference on Computational Intelligence in Pattern Recognition (**CIPR-2022**). [SPRINGER] [Accepted]
2. **P. Sirish Kumar**, Ch. Ramesh, Y. Srinivasa Rao, “A Comparative Hypothesis on Static and Kinematic Positioning Algorithms for CAT-I Aircraft Landings,” *2021 International Conference on Control, Automation, Power and Signal Processing (CAPS-2021)*, PDPM-Indian Institute of Information Technology, Design & Manufacturing (IIITDM), Jabalpur, IEEE, 10th -12th December, 2021. (IEEE Digital Xplore, SCOPUS)
3. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Absolute Point Positioning Algorithm for Navigation Applications,” *International Conference on Smart Energy and Advancement in Power Technologies (ICSEAPT-21)*, National Institute of Technology, Jamshedpur, September 6th - 8th September, 2021. (SPRINGER- SCOPUS)
4. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “The Correntropy Kalman Filter: A Robust Estimator for GPS Applications,” *International Conference on Smart Energy and Advancement in Power Technologies (ICSEAPT-21)*, National Institute of Technology, Jamshedpur, 6th - 8th September, 2021. (SPRINGER- SCOPUS)
5. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, Jami Venkata Suman, P.Krishna Rao, “Ambiguities in GNSS Receiver Position Estimation: A Comparative Statistical Error Characterization,” *3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR-2021)*, ISBN: 978-981-16-2542-8, Institute of Engineering & Management, West Bengal, 24th & 25th April, 2021. (SPRINGER- SCOPUS)
6. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, N. Shiva Kumar, A.S.Srinivasa Rao, “Investigation of Navigation Solutions for Better Accuracy in Position Estimations,” *3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR-2021)*, ISBN: 978-981-16-2542-8, Institute of Engineering & Management, West Bengal, 24th & 25th April, 2021. (SPRINGER- SCOPUS)

7. V.B.S. Srilatha Indira Dutt, **P. Sirish Kumar**, P.Krishna Rao, “Statistical Distribution of GPS Uncertainties Over Low Latitude Regions of India,” *3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR-2021)*, ISBN: 978-981-16-2542-8, Institute of Engineering & Management, West Bengal, 24th&25th April, 2021 (**SPRINGER-SCOPUS**)
8. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “The Global Positioning System: Popular Accuracy Measures”, *AICTE Sponsored International Conference on Nanotechnology: Ideas, Innovations & Initiatives (ICN2K'19)*, Tamil Nadu, 12th-14th December, 2019.
(**ELSEVIER- SCOPUS**)
9. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “Performance evaluation of suitable navigation algorithm using raw measurements taken from stationary GPS receiver,” *AICTE Sponsored International Conference on Nanotechnology: Ideas, Innovations & Initiatives (ICN2K'19)* , Tamil Nadu, 12th-14th December, 2019. (**ELSEVIER- SCOPUS**)
10. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, L. Ganesh, “A novel kinematic positioning algorithm for GPS applications in urban canyons,” *AICTE Sponsored International Conference on Nanotechnology: Ideas, Innovations & Initiatives (ICN2K'19)*, Tamil Nadu, 12th-14th December, 2019. (**ELSEVIER- SCOPUS**)
11. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, N. Ashok Kumar, “A sensitivity analysis of extended Kalman filter for GPS position estimation with and without clock offset,” *AICTE Sponsored International Conference on Nanotechnology: Ideas, Innovations & Initiatives (ICN2K'19)* , Tamil Nadu, 12th-14th December, 2019. (**ELSEVIER- SCOPUS**)
12. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “Interpretation of Statistical Errors for Precise GPS receiver Positioning using Recursive Least Squares & Extended Kalman Filter Approaches,” *6th International Conference on Information System Design and Intelligent Applications (INDIA-2019)*, ISBN: 978-981-15-5397-4, Lendi Institute Of Engineering And Technology, Vizianagaram, 1st & 2nd September, 2019. (**SPRINGER- SCOPUS**)
13. **P. Sirish Kumar**, V.B.S. Srilatha Indira Dutt, “A Comprehensive Perspective on TOA Measurement Based Global Positioning System Architecture,” *6th International Conference on Information System Design and Intelligent Applications (INDIA-2019)*, ISBN: 978-981-

15-5397-4, Lendi Institute Of Engineering And Technology, Vizianagaram, 1st & 2nd September, 2019. (SPRINGER)

14. P. Sirish Kumar, V. B. S. Srilatha Indira Dutt, “Evaluation of GPS Receiver Position Accuracy Improvement using Least Squares Estimator over the South Zone of Indian Sub Continent,” *International Conference on Engineering, Technology, Pharmacy and Management (ICETPM-2019)*, ISBN:978-93-86954-282, Malineni Perumallu Educational Society’s Group of Institutions, Guntur, May 2019. (SCOPUS)

15. P. Sirish Kumar, Participated in *International Conference on Micro-Electronics, Electromagnetics and Telecommunications (ICMEET-2015)*, ISBN: 978-81-322-2728-1, GITAM University, Visakhapatnam, 18th & 19th December, 2015. (SPRINGER- SCOPUS)

16. T. Ramji, P. Sirish Kumar, “Effect Of System’s Load and Their Number of Operations On Trade Off Between Latency and Band Width Consumptions in OFDM Based Wireless Distributed Computing Network,” ISBN: 978-1-4673-6524-6, 2015 *International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)*, IEEE, Chennai, 22nd & 23rd April, 2015. (IEEE Digital Xplore, SCOPUS)

NATIONAL CONFERENCES

17. P. Sirish Kumar, “Navigation Solutions Statistical Analysis of GPS Position Errors in 3-dimensional Surface,” 2nd *National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021)*, ISBN: 978-93-90631-89-6, VEMU Institute of Technology, Chittoor, Tirupathi, 13th-14th August, 2021.

18. P. Sirish Kumar, “A New Extension Of The Kalman Filter For Frequency Distribution Of GNSS/GPS Data,” *National Conference On Industry 4.0: Recent Perspectives And Future Trends*, Kongu Engineering College, Tamilnadu, 30th-31st July, 2021.

19. P. Sirish Kumar, V. B. S. Srilatha Indira Dutt, “GPS Receiver Position Interpretation using Single Point PVT Estimation Algorithm,” *National Conference on Advances in Communication Technologies (NCACT-2019)*, GITAM (Deemed to be University), Visakhapatnam, 13th & 14th December, 2019. (SCOPUS)

20. A.S. Srinivasa Rao, M. Bala Krishna, **P. Sirish Kumar**, Ch. Chandrika, Jaganmohan Rao T, “Implementation of Hybrid Algorithm Based on NSCT for Medical Image Fusion,” *National Conference on Advances in Communication Technologies (NCACT-2019)*, GITAM (Deemed to be University), Visakhapatnam, 13th & 14th December, 2019. (SCOPUS)
21. **P. Sirish Kumar**, M. Bala Krishna, M. Chaitanya Kumar, “Recognition of Congestive Heart Failure Using Wavelet Transform,” *Two-day National Conference on Recent Advances in Biomedical Signal, Image and Video Processing (RABSIVP-2K17)*, Aditya Institute of Technology and Management, Tekkali, 24th & 25th February, 2017.
22. **P. Sirish Kumar**, “A Survey on Various Measurement Techniques for Positioning Systems Over The Indian Subcontinent,” *Emerging trends in Signal Processing and Communication Engineering (ESPACE)*, Aditya Institute of Technology and Management, Tekkali, 20th-21st February, 2015.
23. **P. Sirish Kumar**, “Analysis of Biological Signals using Wavelet Coefficients for finding the Cardiac Diseases & their Severity,” *International conference on Innovation for Organizational Excellence*, Mumbai, May 2013.

CERTIFICATION COURSES COMPLETED: 43

S.NO	NAME OF THE COURSE		DURATION (WEEKS)	OFFERED THROUGH UNIVERSITY/INSTITUTE
1.	Global Navigation Satellite Systems and Applications	NPTEL	4	IIT, Roorkee
2.	Accreditation and Outcome Based Learning		8	IIT, Kharagpur
3.	Microprocessors & Microcontrollers		8	IIT, KHARAGPUR
4.	Introduction to Satellite Communications	Curriculum Specialization Courses	6	Institut Mines-Télécom
5.	Wireless Communications for Everybody		4	Yonsei University
6.	AI for Everyone		4	DeepLearning.AI
7.	Fundamentals of Network Communication		4	University of Colorado System
8.	Introduction to The Internet of Things and Embedded Systems		4	University of California, Irvine (UCI)
9.	Machine Learning Foundations: A Case Study Approach		4	University of Washington
10.	Machine Learning Foundations: Mathematical Foundations		4	National Taiwan University

11.	Understanding Research Methods		4	University of London and Soas University of London
12.	MRI Fundamentals		4	Korea Advanced Institute Of Science And Technology (KAIST)
13.	Continuous Delivery & DevOps		4	University of Virginia
14.	Design Thinking for Innovation		4	University of Virginia
15.	It Project Management		4	Indian School of Business (ISB)
16.	Intel® Network Academy - Network Transformation		4	Intel
17.	Internet History, Technology, and Security		4	University of Michigan
18.	Pressure, Force, Motion, and Humidity Sensors		4	University of Colorado Boulder
19.	Academic Information Seeking		3	University of Copenhagen and Technical University of Denmark (DTU)
20.	Digital Thread: Components		3	University at Buffalo and The State University Oof New York
21.	Introduction to Software Product Management		2	University of Alberta
22.	On Premises Installation and Fundamentals with Google Cloud's Apigee API Platform		1	Google Cloud
23.	On Premises Management, Security, and Upgrade with Google Cloud's Apigee API Platform		1	Google Cloud
24.	On Premises Capacity Upgrade and Monitoring With Google Cloud's Apigee API Platform		1	Google Cloud
25.	Introduction to Programming with MATLAB	Programming Oriented Courses	4	Vanderbilt University
26.	Getting Started with AWS Machine Learning		4	Amazon Web Services (AWS)
27.	Deep Learning Onramp		-	Math Works
28.	MATLAB Onramp		-	Math Works
29.	Machine Learning Onramp		-	Math Works
30.	Machine Learning Onramp		-	Math Works
31.	Spatial Analysis and Satellite Imagery in a GIS	Project-Centered Courses	4	University of Toronto
32.	Building Arduino Robots and Devices		4	Moscow Institute of Physics And Technology
33.	Control of Mobile Robots		4	Georgia Institute of Technology
34.	How to Write and Publish A Scientific Paper (Project-Centered Course)		4	Ecole Polytechnique

35.	AWS Fundamentals: Going Cloud-Native	Multidisciplinary Courses	4	Amazon Web Services (AWS)
36.	Bio-Hacking Your Brain's Health		4	Emory University
37.	Everyday Parenting: The ABCS of Child Rearing		4	Yale University
38.	Experimentation for Improvement		4	Mcmaster University
39.	Introduction to Personal Branding		4	University of Virginia
40.	Moral Foundations of Politics		4	Yale University
41.	Our Earth's Future		4	American Museum of Natural History
42.	Positive Psychology		4	The University of North Carolina At Chapel Hill
43.	The Addicted Brain		4	Emory University

DETAILS OF FDP'S /WORKSHOPS / WEBINARS/ATTENDED: 70

S. No.	Dates	Name of The Programme	Type of Event	Host Institution
1.	21 st – 26 th February, 2022	Trends and Challenges in Advanced VLSI System Design	FDP	SRKREC, Bhimavaram
2.	17 th -22 nd January, 2022	Advances in Optoelectronics, Devices and Communication	FDP	Guru Jambheshwar University of Science & Technology (AICTE)
3.	16 th - 18 th December, 2021	Recent advances in IoT and Machine Learning: Application and Hands-On	FDP	Raghu Engineering College (A), Visakhapatnam
4.	July-August, 2021	Global Navigation Satellite Systems and Applications	FDP	IIIT, Madras
5.	1 st July-6 th July, 2021	Physical Layer Techniques For 5G Technology	FDP	Narayana Engineering College, Gudur.
6.	26 th June – 01 st July, 2021	Green Technology & Sustainable Engineering	TTP	Bhilai Institute of Technology, Raipur, Chhattisgarh
7.	16 th August - 9 th September, 2021	Embedded Systems	FDP	APSSDC
8.	23 rd August - 29 th August, 2021	Recent Trends in Nanotechnology & Signal Processing	FDP	GMRIT, Rajam.
9.	17 th August - 24 th August, 2021	Millimeter Wave Frequencies	FDP	Gudlavalleru Engineering College, Gudlavalleru
10.	2 nd August - 6 th August, 2021	Recent Advances in Signal Processing	FDP	JNTU, Kakinada
11.	12 th July - 20 th August, 2021	Master Class on Data Analytics	FDP	Pantech Prolabs India Pvt. Ltd., APSSDC
12.	26 th July - 30 th July,	Global Navigation Satellite Systems	FDP	IIIT-DM, Kurnool

	2021			
13.	28 th June - 30 th July, 2021	Master Class On Embedded System Design & IOT	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
14.	5 th July-9 th July, 2021	Master Class on Raspberry Pi	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
15.	5 th July-9 th July, 2021	Master Class On Deep Learning	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
16.	10 th June -16 th June, 2021	Machine Learning using Python Programming	FDP	AITAM
17.	7 th June-9 th June, 2021	Research Funding Projects & IPR (Part II)	FDP	K.C. College of Engineering and Management Studies & Research, Thane
18.	28 th June-02 nd July, 2021	Master Class on Arduino	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
19.	24 th -28 th May, 2021	Master Class on Deep Learning	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
20.	17 th May-17 th June, 2021	MATLAB Master Class	FDP	Pantech Prolabs India Pvt. Ltd.,APSSDC
21.	22 nd April-5 th May, 2021	Machine Learning using Python Programming	FDP	AITAM
22.	10 th August - 14 th August, 2020	VLSI & Embedded Systems Design for Aerospace & Defence Applications	FDP	Sri Venteswara Institute Of Science & Technology, Anantapur
23.	22 nd June - 26 th June, 2020	Advances In Antenna Design Techniques And Simulations Using CST Studio Suite	FDP	NITTTR, CHANDIGARH
24.	22 nd June - 26 th June, 2020	Technological Advances in Wireless Communication Systems	FDP	AITAM, Tekkali
25.	4 th May - 9 th May, 2020	Recent Trends in Advanced Communications	FDP	Lakireddy Balireddy COE, Mylavaram
26.	25 th February -2 nd March, 2019	Practical RF Antenna Design with Simulation Studies	FDP	AITAM In Association With NIT Warangal
27.	August-October, 2019	Accreditation And Outcome Based Learning	FDP	IIT, Madras
28.	24 th June - 29 th June, 2019	Statistics with R Programming	FDP	Narasaraopeta Engineering College
29.	21 st March - 23 rd March, 2019	Smart Systems	FDP	AU COE (A)
30.	5 th January - 10 th January, 2018	5G Wireless Communications	FDP	ANITS In Association With Nit Warangal
31.	29 th August – 3 rd	Wireless Communication Technologies	FDP	Jointly Organized

	September, 2016			By GVP College Of Engineering (A) And NIT, Warangal.
32.	26 th September-1 st October 2016	Advances in Communication Technology	FDP	AITAM, Tekkali
33.	27 th December-31 th December, 2021	MATLAB and its Applications	STTP	NITTR, Kolkata
34.	13 th December-17 th December, 2021	Word Processing with LaTeX	STTP	NITTR, Kolkata
35.	29 th October - 03 rd November, 2020	Antenna Design and Analysis Using Mathematical Solvers	AICTE-STTP	AITAM, Tekkali
36.	7 th September - 12 th September, 2020	Antenna Design and Analysis Using Mathematical Solvers	AICTE-STTP	AITAM, Tekkali
37.	27 th July -1 st August, 2020	Antenna Design and Analysis Using Mathematical Solvers	AICTE-STTP	AITAM, Tekkali
38.	27 th December-28 th December, 2021	Write Research Article Using LaTeX	Workshop	Aditya College of Engineering, Surmapalem
39.	28 th June - 2 nd July, 2021	8051 Architecture	Workshop	Pantech Prolabs India Pvt. Ltd., APSSDC
40.	6 th July - 10 th July, 2020	Fight Covid-19 Using “IOT”	Workshop	GVP COE For Women, Visakhapatnam
41.	26 th December - 28 th December, 2019	Antenna Design Using High Frequency Structure	Wrokshop	ANITS, Visakhapatnam
42.	13 th July - 14 th July, 2019	Outcome Based Education	Workshop	AITAM, Tekkali
43.	11 th May, 2020	Outcome Based Education (OBE) and NBA Accreditation	Faculty Awareness Program	Sinhgad Institute Of Technology And Science, Pune
44.	5 th July, 2016	Intellectual Property Rights (IPR) In E& IT Sector	Wrokshop	AITAM, Tekkali
45.	25 th April, 2015	Outcome Based Education Under Teqip Phase-II	Wrokshop	AITAM, Tekkali
46.	18 th April, 2015	Outcome Based Education Under Teqip Phase-II	Wrokshop	AITAM, Tekkali
47.	09 th March, 2015	Outcome Based Education In Association With IUCEE, Under Teqip Phase-II	Wrokshop	AITAM, Tekkali
48.	20 th February -21 st February, 2015	Emerging Trends In Signal Processing And Communication Engineering	Wrokshop	AITAM, Tekkali
49.	16 th December, 2014	Outcome Based Education	Wrokshop	AITAM, Tekkali
50.	15 th -16 th November, 2014	Twenty First Century, The Dawn of Digital Era: Pedagogical Issues of Technical Teachers	Wrokshop	AITAM, Tekkali
51.	17 th August, 2014	Outcome Based Education	Wrokshop	AITAM, Tekkali
52.	20 th June, 2014	Outcome Based Education	Wrokshop	AITAM, Tekkali
53.	1 st March - 2 nd March, 2013	Advances in Signal and Image Processing (ASIP-2013)	Wrokshop	AITAM, Tekkali
54.	19 th January, 2013.	Outcome Based Education (In Compliance with	Wrokshop	AITAM, Tekkali

		NBA Accreditation)		
55.	March-2012	A Two Day National Workshop on “Soft-Computing Applications To Communication and Management”(SACAM-12)	Wrokshop	AITAM, Tekkali
56.	25 September, 2021	Recent Advancements In 5G Communications and Deep Learning Based IOT Technology	Webinar	GITAM Universiry, Visakhapatnam.
57.	27 th February, 2021	Women Entrepreneurship - Opportunities And Challenges in 21 st Century	Webinar	AITAM, Tekkali
58.	10 th November, 2020	Plagiarism in Research	Webinar	Anjuman Institute Of Technology And Management, Karnataka
59.	15 th September, 2020	National Education Policy 2020-What Is That We Can Do?	Webinar	AITAM, Tekkali
60.	5 th September, 2020	Challenges in Good Learning and Assessment-Post Covid 19	Webinar	AITAM, Tekkali
61.	9 th August, 2020	Preparation of Quality Journal Papers and Book Chapters	Webinar	AITAM, Tekkali
62.	18 th June, 2020	Apple in Education-Products & Solution	Webinar	Poornima College Of Engineering, Kota
63.	12 th June, 2020	Physical Design in VLSI and Challenges	Webinar	Coreel Technologies And Mentor
64.	5 th June, 2020	Deep Learning and Its Applications	Webinar	Mahendra COE, Salem
65.	30 th May, 2020	Recent Trends of ICT & 5G Towards Sustainable Development Goals	Webinar	Poornima COE, Jaipur
66.	20 th May, 2020	Future of Communication Engineering	Webinar	Sri Eshwar COE, Coimbatore
67.	14 th May, 2020	Doctoral Thesis: Key Components and Research Skills And Research Opportunities: In India and Abroad	Webinar	S.M.Shetty College Of Science & Management Studies, Powai, Mumbai
68.	1 st June - 3 rd June, 2020	Artificial Intelligence	E-Quiz	Mohamed Sathak Engineering College, Ramanathapuram
69.	28 th May, 2020	Research Metrics in Scientific Publications	ONLINE QUIZ	MLR Institute Of Technology, Hyderabad
70.	23 rd May, 2020	Aptitude Test for Faculty on OBTL	E-QUIZ	Usharama Coe & Technology, Telaprolu, Krishna District
71.	12 th May, 2020	Python	E-QUIZ	Mahendra Arts & Science College, Tamilnadu

Other Responsibilities:

1. Coordinator: Student Education Loans (Since August-2018)
2. Coordinator: Student Academic Feedbacks (Since November-2018)
3. Coordinator: M.Tech Program (Since August 2016)
4. Coordinator: Industrial Tours (June 2015-May 2017)
5. Coordinator: Induction Program (June 2017-May 2018)
6. In-Charge: Department Library (September 2016-October 2017)
7. Student counselor (Since June-2012)
8. Class Teacher (Since June-2016)
9. Member: Dept. Exam Cell (Since September-2016)
10. Member: NBA Criteria IV (Since June-2012)

DECLARATION

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.



Signature