Dr. Talari Lakshmi Narayana, *M.Tech., Ph.D*

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Phone: +91-9866659594.

H.No. XXX, Prakruthi Nagar, Kadapa-516001, A.P., INDIA.

Academic Credentials

S.No	Degree	Specialization	Year of Passing	Class Obtained	Name of the College & University	Remarks
1	10th Class	-	2003	First Class with Distinction	APR School (BC) Boys, Srisailam	-
2	10+2	M.P.C	2005	First Class with Distinction	APRJC (Boys), Gyarampalli, Chittoor	-
3	B.Tech	E.C.E	2009	First Class	A.I.T.S, Rajampet, JNTU Anantapur	-
4	M.Tech	Embedded Systems	2013	First Class with Distinction	S.V.C.E.T, Chittoor JNTU Anantapur	-
5	UGC NET	Electronic Science	2014	-	UGC, MHRD, Govt. of India	Qualified for Asst Prof
6	Ph.D	Biomedical Image Processing (Digital)	2021	Title: Optimization Techniques for Detection and Classification of Brain Tumor MRI Images	S.V.University, Tirupati	Full Time PhD with TEQIP Fellowship

Experience (Academic and Research)- 16 years

Organization	Designation	Period
KLM College of Engineering for Women, Kadapa	Associate Professor & HOD	02.11.2022 to Till Date
KLM College of Engineering for Women, Kadapa	Assistant Professor	01.07.2019 to 01.11.2022
S. V. University College of Engineering S.V. University, Tirupati	Ph.D Research Scholar (Full Time)	28-01-2016 to 30.06. 2019
Annamacharya Institute of Technology and Sciences, Kadapa	Assistant Professor	12-06-2014 to 30-11-2015
Akshaya Bharathi Institute of Technology, Kadapa	Assistant Professor	01-12-2012 to 10.06.2014 & 15-06-2009 to 10-11-2011

Patents, NPTEL and Publications

NPTEL Courses passed (Online Certificate & FDP)	:	05
Patents (including Design Grant)	:	09
Text Books	:	03
Publications in refereed journals	:	24 + 2 (Under Processing)
Conferences	:	17
Offline - Workshop/FDP	:	22
Online - Webinar/ATAL FDP/FDP/Quiz/Workshops	:	175
FDPs/IIC Events/Webinars/FDPs/Symposium – Organized	:	180

NPTEL Courses

S. No	Name of the Course	Duration	Year & Months	Results	Credits	AICTE Approved FDP
1	Digital Image Processing	12 weeks	July – Oct 2019	Passed with Elite	3	Yes
2	Medical Image Analysis	4 weeks	Feb – Mar 2020	Passed with 93%	1	Yes
3	Introduction to Internet of Things	12 weeks	July – Oct 2021	Successfully Completed	3	Yes
4	Introduction to Industry 4.0 and Industrial Internet of Things	12 weeks	July – Oct 2021	Passed with Elite	3	Yes
5	Computer Networks and Internet Protocol	12 weeks	Jan-Apr 2022	Successfully Completed	3	Yes

Patent Details

S. No	Patent Details		
1	Name of the Inventor(s)	:	**T. Lakshmi Narayana** et.al
	Title of the Invention	:	**Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities**.
	Application No	:	201941033884 A
	Issue No	:	**38/2019**
	Date of Filing	:	22.08.2019
	Date of Publishing	:	**20.09.2019**
2	Name of the Inventor(s)	:	**Dr. T. Lakshmi Narayana** et.al
	Title of the Invention	:	**Implementation of Computational Technique for Analysis of Medical Modality Images and Machine Learning Techniques for Breast Cancer Detection**
	Application No	:	202341006620 A
	Issue No	:	**08/2023**
	Date of Filing	:	01.02.2023
	Date of Publishing	:	**24.02.2023**
3	Name of the Inventor(s)	:	**Dr. Talari Lakshmi Narayana** et.al
	Title of the Invention	:	**Detection of Leave Diseases at Earlier Stages itself Using Collaborative ML/DL and Artificial Intelligence Methods**
	Application No	:	**202341056670**
	Issue No	:	**36/2023**
	Date of Filing	:	**24.08.2023**
	Date of Publishing	:	**08.09.2023**
4	Name of the Inventor(s)	:	**Dr. Talari Lakshmi Narayana** et.al

	Title of the Invention	:	**Early Detection of Breast Cancer: A Deep Learning and Image Processing Approach**
	Application No	:	**202411004017**
	Issue No	:	**06/2024**
	Date of Filing	:	**19.01.2024**
	Date of Publishing	:	**09.02.2024**
5	Name of the Inventor(s)	:	**Dr. Talari Lakshmi Narayana** et.al
	Title of the Invention	:	**The Role of Machine Learning in Predicting Positive Emotions at Work and its Impact on Teachers' Job Satisfaction and Well-Being**
	Application No	:	**202411007523 A**
	Issue No	:	**07/2024**
	Date of Filing	:	**04.02.2024**
	Date of Publishing	:	**16.02.2024**
6	Name of the Inventor(s)	:	**Dr. Talari Lakshmi Narayana** et al.,
	Title of the Invention	:	**A Study on Analysing the Role of Design-oriented Pedagogy and Machine Learning in Transforming College Education**
	Application No	:	**202411009085 A**
	Issue No	:	**07/2024**
	Date of Filing	:	**10.02.2024**
	Date of Publishing	:	**16.02.2024**
7	Name of the Inventor	:	**Dr. Talari Lakshmi Narayana et al.,**
	Title of the Design Grant	:	**AI based Plant Extract Analysing Device to Identify Disease**
	Design Number	:	**6358133**
	Application date	:	**09.04.2024**
	Grant date	:	**17.04.2024**
	Publication date	:	**18.04.2024**
8	Name of the Inventor(s)	:	**Dr. T. Lakshmi Narayana et al.,**
	Title of the Invention	:	**Machine Learning based Prediction of Educational Outcomes through Teacher Effectiveness towards Societal Growth**
	Application No	:	**202411069211 A**
	Issue No	:	**40/2024**
	Date of Filing	:	**12.09.2024**
	Date of Publishing	:	**04.10.2024**
9	Name of the Inventor(s)	:	**Dr. T. Lakshmi Narayana et al.,**
	Title of the Invention	:	**Machine Learning based Advanced Image Processing System for Early Detection and Classification of Breast Cancer**
	Application No	:	**202541036338 A**
	Issue No	:	**19/2025**
	Date of Filing	:	**15.04.2025**
	Date of Publishing	:	**09.05.2025**

List of Text Books

S.No	Name of the Text Book	Author Names	Year of Publish	ISBN Number	Publishers
1	Digital Circuits	Dr. T. Lakshmi Narayana et al	2022	978-93-91697-04-0	Professional Books Publisher
2	Machine Learning and IoT	Dr. Talari Lakshmi Narayana et al	2024	978-81-970169-4-3	RK Publications
3	Research Methodology Techniques and Methods	Dr. Talari Lakshmi Narayana et al	2024	978-81-970169-3-6	RK Publications

List of Publications

International

1. **T. Lakshmi Narayana** et al., Intelligent Shopping Carts: IoT Innovation for Supermarkets, **Journal of Ambient Intelligence and Humanized Computing (WoS – SCIE, Scopus – Q1 - Springer) –** Submitted.
2. **Shaik Affroza, T. Lakshmi Narayana** et al., Development of Application for Smart Health and Safety Monitoring System of Women and Data Access through IoT, ***Springer Conference Proceedings*** **–** Accepted.
3. **T. Lakshmi Narayana,** P. Uma Devi, G. Rajeswari, B. Mahesh Nayak, P. Anjaneya, T. Venkatakrishnamoorthy, "Advancing Brain Tumor Diagnosis Using Deep Learning and Automated Imaging Techniques", International Journal of Interpreting Enigma Engineers, Vol. 01, Issue No. 05, pp. 1-9, March 2025. **(Google Scholar Indexed – Free Journal)**
4. B. Venkatesh, Ajmeera Kiran, Mudassir Khan, Mohammad Khalid Imam Rahmani, Laxmi Upadhyay, J. Chinna Babu, **T. Lakshmi Narayana** et al., Performance Optimization for an Optimal Operating Condition for a Shell and Heat Exchanger using a Multi-objective Genetic Algorithm Approach, ***PLOS ONE*** 10th June 2024, pp. 1-25, https://doi.org/10.1371/journal.pone.0304097 , **(WoS - SCIE), Scopus - Q1 – IF – 3.7**
5. **T. Lakshmi Narayana** et al., Advances in Real Time Smart Monitoring of Environmental Parameters using IoT and Sensors, ***Heliyon*** **(Science Direct)** – 20th March 2024. https://doi.org/10.1016/j.heliyon.2024.e28195 **– (Wos - SCIE – Scopus - Q1 Jornal – IF – 4.0)**
6. Anil Kumar Budati, Shayla Islam, Mohammad Rafee Shaik, Chengamma Chitteti**, T. Lakshmi Narayana** et al., "Security Enabled Data Driven for Next Generation Mobile Computing Networking using New Term Weight Measure" – Scalable Computing, Vol. 25, Issue No. 02, February 24th 2024, pp. 1191–1198, DOI:10.12694/scpe.v25i2.2624, **(Scopus Indexed, Web of Science – ESCI)**
7. **T. Lakshmi Narayana** et al., "Design of Evolutionary Quantum Computing for Ultra-Compact Nano-electronic Circuits in VLSI Design" ICTACT Journal on Microelectronics,

Volume: 09, Issue: 04, January 2024, pp. 1687-1692, DOI: 10.21917/ijme.2024.0292 **(UGC CARE List I)**.

8. **T. Lakshmi Narayana** et al., "An Efficient Method for Leaf Diseases Detection using Deep Learning Technique", *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, November 2023, **DOI: 10.1109/ICSCAN58655.2023.10395765 (Scopus Indexed).**

9. J. Muralidharan, B. Srinivasa Rao, Davinder Kumar, **T. Lakshmi Narayana**, "Exploring Neuromorphic Computing in VLSI for Efficient AI Inference", *ICTACT Journal on Microelectronics*, Vol. 09, No. 03, October 2023, pp. 1620 - 1627, DOI: 10.21917/ijme.2023.0280 **(UGC CARE List I).**

10. **T. Lakshmi Narayana** et al., "Detection and Classification of Brain Tumor in MRI Images using Particle Swarm Optimization and Machine Learning Algorithm", *International Journal of Engineering Sciences & Emerging Technologies*, Oct. 2023, Vol. 11, No. 2, pp: 79-89

11. Jayaganesh Jagannathan, S.G. Prasanna Kumara, **T. Lakshmi Narayana,** Mohammad Shabbir Alam, "Securing Wireless Communication using Novel Transfer Learning for Encryption in Wireless Networks", *ICTACT Journal on Communication Technology*, Vol. 14, No. 03, September 2023, pp. 3005 - 3012., DOI: 10.21917/ijct.2023.0447 **(UGC CARE List I).**

12. **T. Lakshmi Narayana,** G. Chandraiah, C. Venkatesh, "Detection and Classification of Crop Leaf Diseases using Machine Learning Algorithms", *Bulletin of Environment Pharmacology and Life Sciences*, Vol. 11 No. 9, August 2023, pp. 136-145. **(Web of Science).**

13. **Dr. T. Lakshmi Narayana,** B. Deepthi "Real Time Automation Agriculture Environment for Social Modernization using ESP32 and Cloud Computing", *International Research Journal of Education and Technology*, Vol. 04, Issue No. 11, November 2022, pp. 60-66 **(Google Scholar)**

14. P.K. Teja Yadav **Dr. T. Lakshmi Narayana,** Detection and Identification of IIR System using Cuckoo Search Algorithm", *Journal of Education: Rabindra Bharati University*, Vol. XXIII, No. 6 (IV), 2020-21, pp. 396.

15. G. Suneel Kumar, **Dr. T. Lakshmi Narayana,** "Design and Development of a Multiloop Controlling for Fast Transient DC-DC Converters", *Journal of Education: Rabindra Bharati University*, Vol. XXIII, No. 6 (IV), 2020-21, pp. 300.

16. Dr. M. Venkata Narayana**, Dr. T. Lakshmi Narayana, "**An Analytical Study on Designing Area Efficient High Performance Scalable ALU", *Anvesak: UGC Care Group I Journal*, Vol. 50, No. 2 (IV), July-December 2020, pp. 407.

17. G. Rajeswari, T. Vasanthi, M. Amala, **T. Lakshmi Narayana**, "Some Properties of Square Absorption Semirings", *Journal of Mechanics of Continua and Mathematical Sciences*, Vol. 15, No. 08, August 2020, pp. 727-733. **(Web of Science)**

18. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "Techniques for Detection and Classification of Brain Tumor from MRI Images", *Journal of Emerging Technologies and Innovative Research*, Vol. 6, No. 2, February 2019, pp. 159-163. **(UGC Approved)**

19. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "A novel Brain Tumor Detection Method using DWT and Clustering Techniques from T2-weighted Brain MRI Images", *International Journal of Management, Technology and Engineering*, Vol.9, No.1, Jan 2019, pp.2618-2626. **(UGC Approved)**

20. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "Brain Tumor Detection and Classification from T2-weighted MRI Images using Cuckoo Search Optimization and SVM classifier", *International Journal of Electronics Engineering*, Vol. 11, No. 1, Jan-June 2019, pp.161-168. **(UGC Approved).**

21. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "An Efficient Optimization Technique to Detect Brain Tumor from MRI Images", proceedings of **IEEE 2018 International Conference on Smart Systems and Inventive Technology (ICSSIT),** December 2018, **DOI:10.1109/ICSSIT.2018.8748288 (Scopus Indexed).**

22. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "Swarm based Optimization Technique for Detection of Brain Tumor in T2-weighted MRI Images", *International Journal of Engineering and Technology*, Vol.7, No. 4.39, December 2018, pp.733-739. **(Scopus Indexed).**

23. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "An Effective Method for Tumor Detection from T2-weighted Brain MRI Images using Cuckoo Search Optimization Technique", *Journal of Advanced Research in Dynamical & Control Systems*, Vol. 10, No.10, Oct 2018, pp.390-400. **(Scopus Indexed).**

24. **T. Lakshmi Narayana,** T. Sreenivasulu Reddy, C. Venkatesh, An Efficient Hybrid Model of Exposure of Breast Cancer in Mammograms by Imaging Techniques, *International Journal of Advanced Trends in Engineering, Science and Technology*, Vol. 4, No. 1 (special issue), Dec 2016.

25. U. Srinivasa Reddy, **T. Lakshmi Narayana**, M. Venkata Subbaiah "Design of Reliable High-Performance Multiplier Using AHL" *International Journal and Magazine of Engineering Technology Management and Research*, Vol. 2, No. 7, July 2015, pp. 497-502.

26. **T. Lakshmi Narayana**, K. Venkata Ramana Reddy "Intelligent Safety System for Coal Miners Using Zigbee" *International Journal of Scientific Engineering and Technology Research*, Vol. 2, No. 7, July-2013, pp. 499-50.

Conferences attended

International

1. **T. Lakshmi Narayana**, K. Venkata Ramana Reddy, "Intelligent Safety System for Coal Miners Using Zigbee" ICFTEE-2013 (2nd) held at Thiruvalluvar College of Engineering and Technology, Vandavasi, Arunachala City-604505, Tamilnadu in association with International Society of Automation (ISA) held on 2nd to 3rd March 2013.

2. **T. Lakshmi Narayana**, U. Srinivasula Reddy, "Design of Reliable High-Performance Multiplier using AHL" IRF in association with IRAJ- ICEECE-CHENNAI, held at Chennai on 3rd May 2015.
3. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "An Efficient Optimization Technique to Detect Brain Tumor from MRI Images", proceedings of **IEEE International Conference** on Smart Systems and Inventive Technology-2018 (ICSSIT 2018), 13th-14th December 2018.
4. **T. Lakshmi Narayana**, T. Sreenivasulu Reddy, "Techniques for Detection and Classification of Brain Tumor from MRI images", International Conference on Advances in Signal Processing, Power, Embedded, Soft Computing, Communication and Control Systems 2019 (ICSPECS-2019), GPREC, Kurnool, India.
5. **Dr. T. Lakshmi Narayana** and S. Md. Ayesha, "Detection and Classification of Brain Tumor in MRI Images using Particle Swarm Optimization and Machine Learning Algorithm" *International Conference on Innovation in IoT, Robotics and Automation (IIRA 3.0)*, Moradabad Institute of Technology, Moradabad, 26th to 27th July 2023.
6. **T. Lakshmi Narayana** et al., "An Efficient Method for Crop Leaf Diseases using Deep Learning Algorithm", 5th IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN 2023), Manakula Vinayagar Institute of Technology, Puducherry, 17th and 18th November 2023.
7. Dr. T. Lakshmi Narayana et al., "Development of an Application for Smart Health and Safety Monitoring System for Women and Data Access through IoT", Springer - 3rd International Conference on Data Science and Artificial Intelligence (3rd ICDSAI 2024), organized by California State University (USA), International Association of Academicians SSE (IAASSE), LIET and Mother Theresa Institute of Engineering and Technology, 29th -30th May 2024.
8. Dr. T. Lakshmi Narayana, P. Anjaneya, P. Uma Devi, B. Mahesh Nayak, K. Uma Maheswari Devi, K. Venkata Subba Reddy, "Automatic Identification of Tumor in 3D Brain Magnetic Resonance Images using U-Net", 5th International Conference for Intelligent Technologies (CONIT 2025), K. L. E. Institute of Technology, Hubballi. , Karnataka, India, sponsored by IEEE Bangalore Section from 20th to 22nd June 2025.

National

9. **T. Lakshmi Narayana**, "Doppler Radar for Human Detection Based on Physical Characteristics of Targets" NC'eTIDES 2015, held at AITS Rajampet in association with IEKLC on 28th February 2015.
10. **T. Lakshmi Narayana**, "Vital Signal Monitoring with Non-intrusive Driver Assistance System" NC'eTIDES 2015, held at AITS Rajampet in association with IEKLC on 28th February 2015.
11. **T. Lakshmi Narayana**, NC'eTIDES 2016 "An Efficient Hybrid Model of Breast Cancer in Mammograms by Imaging Techniques" held at AITS Rajampet on 16th to 17th December 2016.

12. **Dr. T. Lakshmi Narayana, "**6G Wireless Communications: Trend, Future Technologies, Applications and Research Challenges", A National Conference in Emerging Technologies in Electronics and Communication Engineering held at AITS, Kadapa on 06th March 2024.
13. **Dr. T. Lakshmi Narayana, "**Smart Healthcare Monitoring System in Health Environment using Internet of Things and Sensors", A National Conference in Emerging Technologies in Electronics and Communication Engineering held at AITS, Kadapa on 06th March 2024.
14. **Dr. T. Lakshmi Narayana, "**An Intelligent Internet of Things Sensor Coupled Precision Irrigation Model for Agriculture", A National Conference in Emerging Technologies in Electronics and Communication Engineering held at AITS, Kadapa on 06th March 2024.
15. **Dr. T. Lakshmi Narayana, "**Smart Internet of Things Application for Agriculture", National Conference on Smart Electronics: Engineering the Future of Intelligence (NCSEFI-2024) organized by Department of ECE, Annamacharya Institute of Technology and Sciences, Rajampet on 20th April 2024.
16. **Dr. T. Lakshmi Narayana, "**IoT-Based Solid Waste Management System for Smart Cities**",** A National Conference in Emerging Technologies in Electronics and Communication Engineering held at AITS, Kadapa on 05th March 2025 NCETEM-2K25.
17. **Dr. T. Lakshmi Narayana,"",** A National Conference in Emerging Technologies in Electronics and Communication Engineering held at AITS, Kadapa on 05th March 2025 NCETEM-2K25

Subjects Undertaken

P.G. Program	U.G. Program
1. Internet of Things & Its Applications 2. Internet of Things 3. Advanced MP&MC 4. Testing and Testability 5. Image and Video Processing	1. Antennas and Wave Propagation 2. Microwave Engineering and Optical Communications 3. Microwave Engineering 4. Microprocessors and Microcontrollers 5. Electronic Devices and Circuits 6. Switching Theory and Logic Circuits 7. Digital IC Applications 8. Analog Communications 9. RF Integrated Circuits 10. Industrial Electronics 11. Digital Image Processing 12. Design Thinking and Innovation 13. Analog Circuits 14. Embedded Systems and RTOS 15. Electrical Circuits (Network Theory Analysis) 16. Introduction to Internet of Things 17. EMTL

	18. PTSP 19. Computer Architecture and Organization 20. Microprocessor and Microcontroller Laboratory 21. Electronic Devices & Circuits Laboratory 22. Microwave and Optical Communication Laboratory 23. Analog Circuits Laboratory 24. Digital Signal Processing Laboratory

FDPs / Seminars/Workshops Attended (Offline)

S. No	Title of the Event	Organizing Institute	Period
1	Vision Robotics Using Advanced Embedded Systems	SVCET, Chittoor	29th and 30th December 2011
2	VLSI and Image Processing	SVCET, Chittoor	6th and 7th January 2012
3	Loophole+ Ethical Hacking	ABIT, Siddavatam, Kadapa	31st October 2012
4	Advances in VLSI Design and Embedded Systems	SVCET, Chittoor	1st and 2nd February 2013
5	Embedded Systems	NIST, Rajampet	8th March 2014
6	TI Analog Systems Design by using ASLK Pro	AITS Rajampet in association with SITL and Texas Instruments India University Program, Bangalore	22nd and 23rd December 2014
7	Research Methodology and Report Writing	S.V.University College of Engineering, Tirupati under TEQIP-II-1.2	21st to 23rd April 2016
8	Advanced Digital Signal Processing and Applications	E&ICT, NIT Warangal at VCE Hyderabad	19th to 24th September 2016
9	L-Band Data Processing for Remote Sensing Applications and Numerical Weather Prediction	S.V.University College of Engg., under TEQIP-II-1.2.1, Center of Excellence(ARS & ASP)	14th to 25th November 2016
10	Advancements in Video Processing	S.V. College of Engg., Tirupati & SERB-DST New Delhi	9th and 10th December 2016
11	Institute-Industry-Interaction for ECE Students by Industry Experts	S.V.University College of Engg., under TEQIP-II-1.2.	18th February 2017
12	Signal and Image Processing	S.V.University College of Engg., under COE, TEQIP-II-1.2.1.	2nd to 4th March 2017
13	Role of Digital Technology for National Development	S.V.University College of Engineering, under TEQIP-III-1.3.	26th and 27th October 2018
14	Digital Image Processing	IIT Kharagpur, NPTEL-AICTE FDP, IIT Madras	July –October 2019
15	Effective Teaching and Outcome Based Education	Sree Vidyanikethan Engineering College under AICTE Margdarshan	11th -16th November 2019
16	Design Thinking & Innovations – IIC Innovation Ambassador Training Series	IIC of MIC, AICTE at MLR Institute Technology, Hyderabad	6th – 7th February 2020
17	Smart Innovations in Cloud Computing, IoT & Block Chain	KLMCEW, Kadapa	12th – 13th March 2020

	Technology Management		
18	IPR and IP Management for Startup	IIC, H&S Dept, KSRMCE, Kadapa	26th April 2022
19	Microsoft Azure AI Fundamentals	APSCHE & JNTU Anantapur, Ananthapuramu	21st June 2022
20	A Hands on Training on myDAQ & myRIO using LabVIEW	KSRM College of Engineering, Kadapa	29th May to 2nd June 2024
21	Advancing Sustainable Engineering: Innovations, Practices, and Pedagogies for Faculty Excellence	KSRM College of Engineering, Kadapa	26th August to 31st August 2024
22	A 5 Day FDP on Outcome based Education and Teaching and Learning Practices	KSRM College of Engineering, Kadapa	16th January to 20th January 2025

FDP/Symposium/Hackathon/Lecture Series Organized – (Selective List Only)

S. No	Position	Title of the Event	Organizing Institute	Period	Remarks
1	Co-coordinator	IIC Impact Lecture Series-I (Offline)	KLMCEW, Kadapa	12th March 2020	Funded by MHRD-IIC (MIC)-AICTE
2	Coordinator	TECHNOFEST 2020 (National Level Technical Students Symposium)	KLMCEW, Kadapa	22nd March 2020	Postponed due to Covid-19
3	Coordinator	Smart India Hackathon- 2020	KLMCEW, Kadapa	22nd March 2020	Postponed due to Covid-19
4	Co-coordinator	One week Training Program (TP)- Internet of Things and its Applications	KLMCEW, Kadapa	28th June to 03rd July 2020	-
5	Co-coordinator	IIC Impact Lecture Series-II (online)	KLMCEW, Kadapa	2nd July 2020	Funded by MHRD-IIC (MIC)-AICTE
6	Coordinator/ Resource Person	Webinar – IoT based Smart Agriculture	KLMCEW, Kadapa	8th July 2020	-
7	Coordinator	Orientation Session on National Education Policy (2020)	KLMCEW, Kadapa	27th January 2021	-
8	Convener	Workshop on Entrepreneurship and Innovation as Career Opportunity	KLMCEW, Kadapa	29th January 2021	-
9	Organizing Secretary	Workshop on Entrepreneurship Development Phases	KLMCEW, Kadapa	8th February 2021	-
10	Organizing Secretary	Orientation Session on National Innovation and Startup Policy	KLMCEW, Kadapa	18th February 2021	-

11	Coordinator	AICTE initiated national webinar on "Celebrating one year of National Education Policy 2020" with eight themes.	KLMCEW, Kadapa	30th July to 10th August 2021	Speaker (Resource Person) to two themes.
12	Convener	National Webinar on World Entrepreneur's Day	KLMCEW, Kadapa	21st August 2021	-
13	Convener	National Education Day 2021 Celebrations	KLMCEW Kadapa	11th November 2021	-
14	Convener	India Startup Day (1st October 2021) Celebrations	KLMCEW Kadapa	18th November 2021	-
15	Coordinator / Resource Person	One day Workshop on Internet of Things and Its Applications	KLMCEW Kadapa	25th November 2021	-
16	Convener	Webinar on" My Story-Motivational Session by Successful Entrepreneur/ Startup Founder	KLMCEW Kadapa	26th November 2021	-
17	Convener	Two weeks FDP on Python Programming	KLMCEW Kadapa	10th to 22nd January 2022	-
18	Coordinator	Industrial Field Visit to Chaitanya Chemicals, Kadapa	KLMCEW, Kadapa	17th March 2022	-
19	Coordinator	TECHNOFEST 2K22 (National Level Technical Students Symposium 2022)	KLMCEW Kadapa	31st March 2022	-
20	Convener	World Earth Day &	KLMCEW Kadapa	22nd April 2022	-
21	Convener	World Intellectual Property Day	KLMCEW Kadapa	26th April 2022	
22	Convener	National Technology Day	KLMCEW Kadapa	11th May 2022	-
23	Convener	Impact Lecture Series – Phase II, 2022, Session I, Lecture I: How to Write Research Proposal and List of Funding Agencies. Lecture II: Entrepreneurship Skill, Attitude and Behavioral Development	KLMCEW, Kadapa	03rd July 2022	Online

24	Convener	Impact Lecture Series – Phase II, 2022, Session II, Lecture I: Prototype/ Process Design and Development Lecture II: Motivational Story on Innovation, Startup and Entrepreneurship	KLMCEW, Kadapa	29th July 2022	Online
25	Convener	Lecture 1 :Startup Spark: Ignite Your Entrepreneurial Journey	KLMCEW, Kadapa	26th April 2024	Offline
26	Convener	Transforming an Idea into an Innovation	KLMCEW, Kadapa	26th April 2024	Offline

Roles and Responsibilities

Institute Level

1. **Head of the Department in ECE**
   Charging as Head of the Department in ECE from 03rd November 2022 to till date.

2. **In-charge, MSME Business Incubation (BI) Center, KLMCEW**
   Prepared the proposal and applied to MSME Idea Incubation for Business Incubation Center in the month of 2nd November 2022 and got the approval and sanctioned by PMAC, MSME, Government of India on 03rd January 2024 as host institute (HI). MSME Business Incubation Center Number: **HIBIAP003928**

3. **Convener**
   In-charge as Convener of Institute's Innovation Council (IIC), KLMCEW, Kadapa by AICTE - MoE (MHRD)-New Delhi.

Details of the Funds Received

S. No	*Spomsored Agency*	*Activity*	*Details*	*Amount*
1	AICTE	Impact Lecture Series	Prepared proposal for IIC Impact Lecture Series 2020 from Kandula Lakshumma Memorial College of Engineering for Women, Kadapa and has been selected for funding. We had organized successfully the two impact lectures (one is offline and another is online due to Covid-19) & got fund of Rs.28500/- from AICTE-MoE-IIC (MIC).	**Rs. 28500/-**
2	AICTE	Impact Lecture Series	Prepared proposal for IIC Impact Lecture Series 2020 from Kandula Lakshumma Memorial College of Engineering for Women, Kadapa and has been selected for funding. We had organized successfully the two impact lectures (both are conducted online due to Covid-19) & got fund of Rs.12000/- from AICTE-MoE-IIC (MIC).	**Rs. 12000/-**
3	AICTE	Impact Lecture Series	Prepared the proposal for IIC Impact Lecture 2023-24 from Kandula Lakshumma Memorial College of Engineering for Women, Kadapa and has been selected for funding of Rs. 20000/- from AICTE-MoE-IIC. Grant released and conducted the impact lecture series (offline) on 26th April 2024.	**Rs. 20000/-**

4. **Media In-charge, KLMCEW**

   In-charge of ***Social Media of KLMCEW, Kadapa*** and Maintain the official accounts of KLMCEW such as ***Facebook , Instagram, YouTube, LinkedIn and Twitter***.

5. **Editor of News Letter of KLMCEW "KaLam"**

   Currently working as Editor of official newsletter "KaLam" of KLMCEW, Kadapa

6. **Coordinator**

   Charged as Coordinator of Smart India Hackathon (SIH) at KLMCEW, Kadapa on behalf of AICTE-MHRD-IIC (MIC)

7. **In-charge Research and Development**

   Acted as in-charge of R&D Cell, KLMCEW, Kadapa from 07.06.2021 to 13.02.2024

8. **Innovation Ambassador**

   Acting as Innovation Ambassador of Institute's Innovation Council (IIC) of AICTE-MHRD-IIC of KLMCE, Kadapa

   Attended to the Innovation Ambassador training program conducted by AICTE-MIHRD-IIC at MLRIT, Hyderabad on 6th – 7th February 2020.

   Attended to the Innovation Ambassador training program (online) conducted by AICTE-MoE-IIC on 5th August – 31st August 2021 and obtained the participation certificate.

9. **Coordinator**

   Nodal Center of KLMCEW, Kadapa by the **IIRS-ISRO Outreach Programme by Indian Institute of Remote Sensing (IIRS).**

   Coordinator for many courses but till date I received the following certificates:

   i. **Remote Sensing Applications in Agricultural Water Management"** conducted by this institute during August 03, 2020 to August 07, 2020.
   ii. **Understanding of Coastal Ocean Processes using Remote Sensing and Numerical Modelling"** conducted by this institute during September 21, 2020 to September 25, 2020.
   iii. **Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"** conducted by this institute during August 17, 2020 to November 20, 2020.

10. **In-charge of ATL School Linkage scheme from KLMCEW**

    Coordinator of ATL School Linkage Scheme from KLMCEW Kadapa and undertook collaboration with three schools.

<u>Department Level</u>

- Seminar Coordinator for external seminar in AY 2014 at ABIT, Siddavatam
- Seminar Coordinator for external seminar in AY 2020, AY 2021 at KLMCEW.
- Actively worked under my PhD guide Prof. T. Sreenivasulu Reddy, S V University College of Engineering for PG NBA, UG NBA and NAAC works.
  - Prepared Rubrics Analysis POs and COs mapping
- Actively worked in applying process of AICTE approval.
- Actively worked in applying process of Affiliation of Institute by the University.
- Acted as mentor to students
- Acted as project coordinator for the AY 2020-21
- Acted as class teacher to various sections
- Acted as admissions coordinator

- Acting as M.Tech Project Coordinator AY 2021-22
- Project supervisor to M.Tech students.

Research Level

- Acting as **reviewer** to Indian Journal of Science Technology P-ISSN: 0974-6846, E-ISSN: 0974-5645
- Contributed as a **reviewer** at the International Conference on Data Acquisition Processing and Communication (DAPCom-2024) held at MVSR Engineering College, Hyderabad from 29th February to 02nd March 2024.
- Served as a **reviewer** in the "IEEE Technical Co-sponsored 2024 International Conference on Smart Technologies for Sustainable Development Goals", organized by S.A. Engineering College in association with IEEE Madras Section, IEEE Professional Communication Systems (PCS) Madras Chapter, IEEE Computer Society (CS) Madras Chapter and IEEE Circuits and Systems Society (CASS) Madras Chapter, held from November 6th – 8th, 2024 at S.A. Engineering College (A), Chennai – 600077.
- **Reviewer** to 2024 International Conference on Social and Sustainable Innovations In Technology and Engineering SASI-ITE'24, Sasi Institute of Technology & Engineering TP Gudem, A.P – India from 23rd – 24th February 2025.

Resource Person/Chairing Technical Sessions/Key Note/Invited/Guest Lecture

- Attended as **Mentor for Mega "Tinkering Day**" organized of Atal Innovation Mission under scheme of ATL School Linkage between ATL & IIC held at Dr. B. R. Ambedkar Gurukulam (AP Social Welfare Residential School & Junior College for Girls), Lakkireddy Palli, Annamayya Dist., AP, 14th November 2022.
- Acted as an Event Judge in Community Service Programme – 2023 held by Pro Sol Minds at Zilla Parishad High School, Badvel, 17th February 2023.
- Acted as an Event Judge in Community Service Programme – 2023 held by Pro Sol Minds at Pushpagiri International Delhi Public School, Kadapa, 18th March 2023.
- Acted as an Event Judge in Community Service Programme – 2023 held by Pro Sol Minds at A.P. Model School, Ramapuram, Annamayya (D), 19th August 2023.
- Resource Person to the "Workshop on Arduino and IoT" conducted by Department of ECE and EEE, Government Polytechnic for Women, Kadapa, 6th to 7th October 2023.
- Resource Person to the "Workshop on Research Methodology" conducted (online) by R&D Cell, Sri Vasavi Institute of Engineering and Technology, Nandamuru, A.P,. India on 03rd February 2024.
- ATL. APMS, Valluru, Thinking - Enrepreneuship and Innovation @ATLs by SIC and IICs on 25th February 2025.

Selected Online FDPs/Webinars/STTPs/Training Programs

- Participated in five days FDP on *Cutting Edge Technological Development in Information and Communication Engineering* organized by the Dept of ECE, Bharath Institute of Engineering Technology, and Hyderabad held from 22nd to 26th June 2020.

- Participated in one week Online FDP on *Future Outlooks of Advanced Communication and Signal Processing* organized by Dept of ECE, Bapatla Engineering College, Bapatla, AP held from 25th to 29th May 2020.
- Participated in five days FDP on *Cyber Security* organized by Dept of ECE, SRM Institute of Science and Technology, Chennai held from 22nd to 26th June 2020
- Participated in one day FDP on *Network Simulations using NS-3 – A Research Perspective* organized by IETE and Dept of ISE, Sri Venkateswara College of Engineering, Bangalore held on 6th June 2020.
- Participated in one day FDP on *Effective Teaching by using ICT* by Dept of Mathematics, Pioneer College of Arts and Science, Coimbatore held on 15th June 2020.
- Participated in one day FDP on *Intellectual Property Rights: A Road Map* organized by Dept of CS and Applications, Islamiah Women's Arts and Science College, Tamilnadu held on 30th July 2020.
- Participated in one week online FDP on *Tools for Scientific Communication and Effective Teaching* organized by Dept of EEE, Vaagdevi College of Engineering, Warangal held from 2nd to 6th June 2020.
- Participated in one week online FDP on *Recent Advances in Biomedical Applications and Communication Networks* organized by Dept of ECE, GMR Institute of Technology, Rajam, AP from 13th to 18th June 2020.
- Participated in one week online FDP on *Antenna Applications and Microwave Design* organized by Sri Sai Ram Institute of Technology, Chennai from 15th to 20th June 2020.
- Participated in one week online FDP on *Recent Trends in Electronics Industry* organized by Dept of ECE, Annamacharya Institute of Technology and Sciences, Rajampet, AP from 18th to 23rd May 2020.
- Participated in one week webinar series (FDP) on *New Role of Microwaves in Defence* organized by Dept of ECE, Bharath Institute of Engineering and Technology, Hyderabad from 20th to 25th July 2020.
- Participated in five days online FDP on *Artificial Intelligence* organized by Dept of ECE, PVKK Institute of Technology, Anantapur, AP from 22nd to 26th May 2020.
- Participated in one week online FDP on *Recent Trends, Advancements and Applications of Communication Technologies (RCACS)* organized by Dept of ECE, CMR Technical Campus, Hyderabad from 25th to 29th May 2020.
- Participated in one week online FDP on *Artificial Intelligence and Machine Learning* organized by Dept of CSE, Vemu Institute of Technology, Chittoor, AP from 25th to 29th May 2020.
- Participated in one week online FDP on *Machine Learning Algorithms, Applications and Advantages* organized by Dept of CSE, Kamala Institute of Technology and Science, Karimnagar, TS from 25th to 30th May 2020.
- Participated in one week online FDP on *Prospects in Security and Privacy with Emerging Technologies* organized by Dept of CSE, Sri Vasavi Engineering College, AP, from 25th to 30th May 2020.
- Participated in International Virtual Conference on *Embedded Systems and Industrial Automation* organized by Dept of ECE, Dr NGP Institute of Technology, Tamilnadu from 11th to 13th June 2020.

- Participated in STTP on *Recent Trends in Radar Signal Processing and IoT Applications* organized by IEEE, IETE and Dept of ECE, B V Raju Institute of Technology from 18th to 20th June 2020.
- Participated in webinar on *Embedded System and IoT* organized by Dept of ECE, City Engineering College, Bangalore held on 13th July 2020.
- Participated in webinar on *Embedded Systems and IoT* organized by Dept of ECE, KSRM College of Engineering, Kadapa, AP held on 29th June 2020.
- Participated in webinar on Trends in *Trends using Internet of Things (IoT)* organized by Dept of ECE, Mount Zion College of Engineering and Technology, Chennai held on 10th July 2020.
- Participated in IEEE webinar on *What You See is What You Mean, a walk-through on Latex* organized by IEEE student branch in association with IEEE WIE and Dept of CS and Central University, Kerala held on 28th May 2020.
- Participated in IEEE webinar on *Innovations in Antenna Design and Analysis* organized by Altair and IEEE held on 8th July 2020.
- Participated in five-day national online workshop on *Applications of Image Processing and Machine Learning* organized by Dept of CSE and IT, Gayathri Vidya Parishad College of Engineering for Women, Vishakapatnam, AP from 22nd to 26th June 2020.
- Attended and certified with five ATAL FDPs held at various institutions

List of M.Tech Dissertations Guided

S. No	Name of the Student	Title	Year of Completion
1	U. Srinivasula Reddy (13HM1D5716)	Design of Reliable High-Performance Multiplier using AHL	September 2015
2	B. Deepthi 203H1D7001	Real Time Automatization of Agriculture Environment for Social Modernization using ESP32 and Cloud Computing	December 2022
3	Shaik Muhammed Ayesha 213H1D7001	An Efficient Optimization Technique for Detection and Classification of Brain Tumor in MRI Images and Data Access Through Internet of Things	July 2024
4	Shaik Affroza 223H1D7001	Development of Application for Smart Health and Safety Monitoring System for Women and Data Access through IoT	July 2024

List of B.Tech Dissertations Guided

S. No	Roll Number of the Students	Title	Year of Completion
1	082F1A0413, 425, 429, 460	Automatic Accident Detection System using GSM and GPS Modem	2012
2	092F1A0421, 422, 430,442	A Wireless Surveillance and Safety System for Mine Workers using Zigbee	2013

3	092F1A0415, 420, 445	A Research Work on MEMS based on Robotic Wheel Chair	2013
4	11HM1A0405,416, 426, 439	Agricultural Environment Information Collection System based on Wireless Sensor Network	2015
5	163H1A0416, 425, 430, 438, 439	Design and Synthesis of 64-bit ALU using Reversible Gates	2020
6	163H1A0401, 405, 409, 417, 418	Design and Implementation of PAL and PLA using Reversible Logic Gates	2020
7	173H1A0406, 417, 424, 426, 439	IoT based Automatic Irrigation System with Rainfall Detection	2021
8	173H1A0401, 411, 423, 425,433, 183H5A0402	Design and Implementation of a Wearable Sensor Network System for IoT Connected Safety and Health Applications	2021
9	193H1A0403, 408, 426, 427	Advances in Real Time Smart Monitoring of Environmental Parameters using IoT	2023
10	203H5A0422, 419, 420, 414	Design and Implementation of Real Time Smart Monitoring System for Precision Agriculture using IoT and Data Analytics	2024
11	213H1A0412, 404, 439, 425, 437	IoT -based Smart Irrigation Management System to Enhance Agricultural Environment Security using Embedded Systems, Telemetry Data and Cloud Computing	2025
12	213H1A0444, 403, 415, 414	Design of generic vedic ALU using reversible logic	2025

Other Achievements

S. No	Title of the event	Organizing Institution	Period
1	Passed in PURANA PRABHOD EXAM-2002, conducted by TTD DHARMA PRACHARA PARISHATH, TIRUPATI	TTD	2002
2	Got merit certificate in Classmate Assignment Test- JUNE 2002 conducted by CLASS MATE magazine.	Classmate Magazine	JUNE 2002
3	Got merit certificate in Classmate Assignment Test- JULY 2002 conducted by CLASS MATE magazine.	Classmate Magazine	JULY 2002
4	Got merit certificate in Classmate Assignment Test- AUGUST 2002 conducted by CLASS MATE magazine.	Classmate Magazine	AUGUST 2002
5	Got merit certificate in Classmate Assignment Test- SEPTEMBER 2002 conducted by CLASS MATE magazine.	Classmate Magazine	SEPTEMBER 2002
6	Got merit certificate in Classmate Assignment Test- OCTOBER 2002 conducted by CLASS MATE magazine.	Classmate Magazine	OCTOBER 2002
7	Got merit certificate in Classmate	Classmate Magazine	NOVEMBER

	Assignment Test- NOVEMBER 2002 conducted by CLASS MATE magazine.		2002
8	Got merit certificate in Classmate Assignment Test- DECEMBER 2002 conducted by CLASS MATE magazine.	Classmate Magazine	DECEMBER 2002

Personal and Communication Details

Full Name	:	Dr. TALARI LAKSHMI NARAYANA
Father's Name	:	Late TALARI RAMASUBBAIAH
Date of Birth	:	06th May, 1988 i.e., (06.05.1988)
Sex	:	Male
Nationality	:	Indian
Marital Status	:	Married
Spouse Name & Occupation	:	Dr. G. Rajeswari, Asst Professor in Maths, KLMCEW
Known Languages	:	Telugu, English, Hindi
Permanent Address	:	Kutchupapa (V), Chapadu (M), Kadapa (D) – 516355
Address for Communication	:	Dr. T. Lakshmi Narayana, Associate Professor & HOD, ECE KLM College of Engg for Women, Kadapa – 516003
Contact	:	**9866659594, 6300185834**
Email	:	**lakshmi.svuniversity@gmail.com**

Declaration

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

Date:
Place: Kadapa

Dr. Talari Lakshmi Narayana