

**Mrs. NazeerUnnisa**  
Sr. Assistant Professor  
B.E(ECE), M.Tech(SSP), (Ph.D)  
Email: [nazeerunnisa@mjcollege.ac.in](mailto:nazeerunnisa@mjcollege.ac.in)  
<https://vidwan.inflibnet.ac.in/profile/334385>  
Phone: +91 9848140604

**Experience:** 20 Years

**Publications:** National conferences- 02; International conferences-06; International Journals-10

**Research Interest & Area of Expertise:** 5G/6G Wireless Communications, Mobile Edge Computing, TeraHertz Communications

**Membership Details:** Life Member- IETE, ACM, IEEE

## I. LIST OF PUBLICATIONS

- [1] Nazeerunnisa, Madhavi Tatineni, Dr. Kaleem Fatima, Mohammad Mahaboob Pasha, “Intelligent Deep Learning-aided Future Beam and Proactive Handoff Prediction model in UAV-assisted anti-jamming THz Communication System” Accepted in International Journal of Communication Systems, Wiley Publishers, (SCIE journal) in April-2023.
- [2] Safak Kayikci, **NazeerUnnisa**, Anupam Das, S.K.Rajesh Kanna, Mantripragada Yaswanth Bhanu Murthy, N.S.Ninu Preetha, G.Brammya “Deep Learning with Game theory assisted Vertical Handover Optimization in a Heterogeneous Network” published in International Journal on Artificial Intelligence Tools (World scientific)(SCI journal) July, 2022.
- [3] Nazeer Unnisa, Madhavi Tatineni, “Intelligent Allocation Strategy of Mobile Users to Multi-Access Edge Computing Resources” presented in 2021 IEEE Sponsored International Conference on Emerging Trends in Industry 4.0, from 19<sup>th</sup> - 21<sup>st</sup> May 2021, Raigarh, Chhattisgarh, India.  
<https://ieeexplore.ieee.org/document/9619420> (BEST PAPER AWARD)  
DOI: [10.1109/ETI4.051663.2021.9619420](https://doi.org/10.1109/ETI4.051663.2021.9619420)
- [4] Nazeer Unnisa, Madhavi Tatineni, "Adaptive Deep Learning Strategy with Red Deer Algorithm for Sparse Channel Estimation and Hybrid Precoding in Millimeter Wave Massive MIMO-OFDM systems" published in *Wireless Personal Communications* (2021) Springer Nature, (SCI JOURNAL)  
<https://doi.org/10.1007/s11277-021-09039-1>

- [5] Nazeer Unnisa, Madhavi Tatineni, “AI based Computation for Hybrid Precoding / Combining in Millimeter - Wave Massive MIMO Systems” Published under license by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1817, presented in 1st International Conference on Computational Intelligence and Energy Advancements (ICCIEA-2020) **12 - 13 Dec.2020**, Telangana, India. **2021 J. Phys.: Conf. Ser. 1817 012013.** <https://doi.org/10.1088/1742-6596/1817/1/012013>
- [6] Nazeer Unnisa, Madhavi Tatineni, “Sparse Channel Estimation in MM-Wave Hybrid MIMO systems” Test Engineering and Management, ISSN: 0193 - 4120 Page No. 3119 – 3127, Volume82, and Publication Issue: **January-February2020**. (This paper was presented in AICTE sponsored International conference on “Advances in Electronics and Communication engineering (ICAECE-2019)” held at CMR college of engineering and technology, Hyderabad held on 9th and 10th July 2019. (Research Paper)
- [7] Nazeer Unnisa, Madhavi Tatineni, “Hybrid Precoding/Combining for single-user and Multi-Users in MM-Wave MIMO systems” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-2S3, **December 2019**. (Research Paper) (National Conference at Gitam University, Vizag).
- [8] RDA -based Delay Minimization for mmWave Communication System enabled with Mobile Edge Computing, published in Journal of Information and Knowledge Management- **Scopus indexed** journal, 2022.
- [9] Nazeer Unnisa, Sushant, Vishnu, Arshad “Traffic Density Based Signal Duration Modulation” INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR), ISSN: 2393-8374, (ONLINE): 2394-0697, VOLUME-5, ISSUE-4, April 2018.
- [10] Nazeer Unnisa, Dr. Kaleem Fatima, Published a paper title “ANFIS Based Performance Analysis of OFDMA System on Rician Fading Channels” International Journal of VLSI system Design & Communication Systems, ISSN 2322-0929 Vol.03, Issue.07, September- 2015.
- [11] Nazeer Unnisa, Satya Savitri (JNTUH) Presented a technical paper “A Video Coding Scheme using modified Joint Prediction” at National Conference on Emerging Trends in Communications & signal

Processing (NCES-2011), October 12<sup>th</sup> & 13<sup>th</sup>, 2011, Organized by Dept. of ECE Aurora's Seethaiah Engineering College, sponsored by DRDO, New Delhi.

- [12] Md.Mahaboob Pasha, G.Tirumala Vasu, NazeerUnnisa, "Architectural Implementation of Successive Elimination Block Matching Algorithm" in International Conference on Aerospace Electronics, Communications and Instrumentation(ASECI-2010), 6<sup>th</sup> to7<sup>th</sup> January-2010,Vijayawada, Andhra Pradesh, India.

## II. ACHIEVEMENTS & AWARDS

- [1] Invited in a Panel Discussion representing MJCET along with Industry experts Mr. Prashant Gupta, Head of solutions-Verizon and IFS from Delhi Mrs. Smita on Let's Talk policy on topic "**5G IN INDIA-ASPIRATIONS & CHALLENGES**" at Kautilya School of public policy on August 24<sup>th</sup> 2022.



**KAUTILYA**  
SCHOOL OF  
PUBLIC POLICY

**LET'S TALK POLICY**

**5G IN INDIA – ASPIRATIONS, & CHALLENGES**

24<sup>th</sup> Aug 2022 | 6:00 PM to 7:00 PM | LIVE | On campus at Kautilya & Online via Zoom

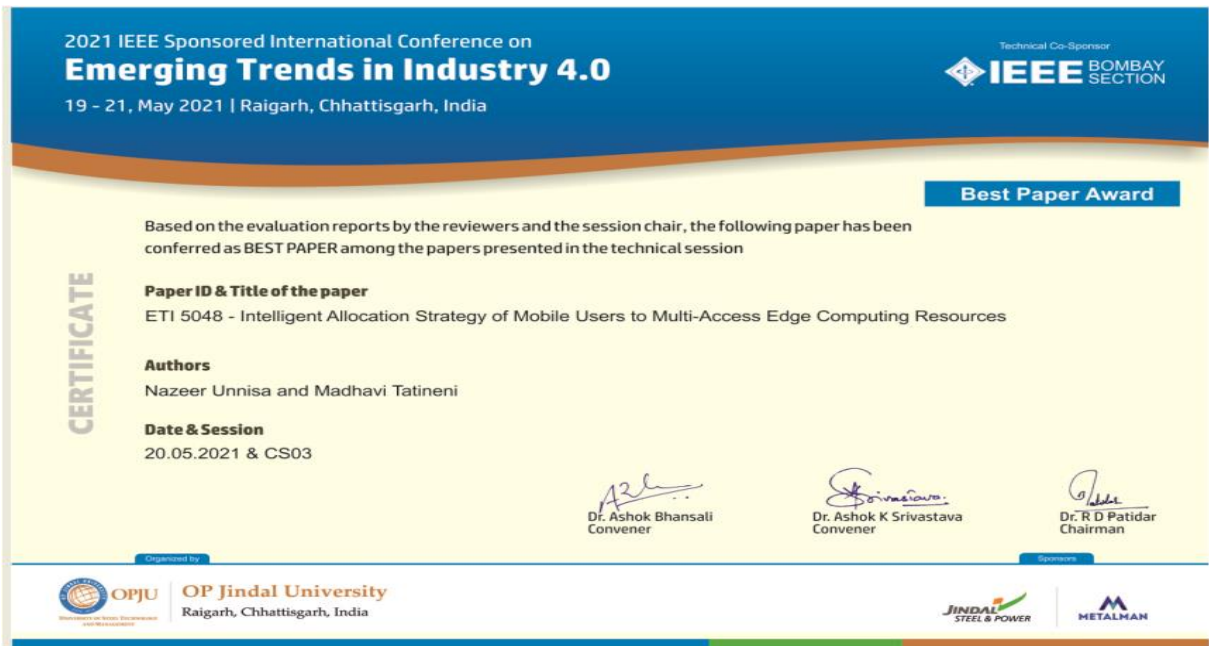
**Prashant Gupta**  
Head of Solutions, India & South Asia, Verizon

**Nazeer Unnisa**  
Sr. Associate Professor,  
Dpt. of ECE, MJCET

**Smita Purushottam**  
Retired Ambassador;  
Founder, SITARA

**Smita Sharma**  
Moderator  
Independent Journalist;  
Visiting Faculty- KSPP

- [2] **BEST PAPER AWARD** in 2021 IEEE Sponsored International Conference on Emerging Trends in Industry 4.0, 19<sup>th</sup>-21<sup>st</sup> May 2021, Raigarh, Chhattisgarh, India.




3] **IGEN WOMEN ACHIEVER-2023 AWARD** -Global Green thinkers participated in the nominations for the International Women's Day-2023 with their contributions through Research and Innovations towards United Nation Sustainable Development Goals. I was selected as one of the **IGEN WOMEN ACHIEVER-2023 (8<sup>th</sup> March)** by The Institution of Green Engineers among the 18 other Women participant's from different countries likeCongo, Sri Lanka, Zimbabwe, Malaysia etc.





- [4] Invited as a Speaker by prestigious TiE Silicon Valley in Global Connect track at TiEcon-2023 leadership annual flagship conference, TiEcon, [www.tiecon.org](http://www.tiecon.org), in-person in Santa Clara, CA, April-May, 2023.



**TI E**  
**CON**  
**2023**  
FOSTERING ENTREPRENEURSHIP

## Dream. Believe. Achieve.

### TiE Silicon Valley

**Founded** - 1992 as a not-for-profit  
**Presence** - 57 Chapters in 12 Countries  
**Goal** - Foster Entrepreneurship  
**Mission** - Inspire, Educate, Mentor and Fund Entrepreneurs  
**Stakeholders**- 500,000+ reached through members, sponsors, and partners  
**Impact**- Over \$500 billion of wealth created over the last 30 years

### Board of Directors

**Anita Manwani, President**  
CEO, reLIMS  
**Abhi Gholap, Director**  
Founder, Optra Ventures  
**Anand Akela, Director**  
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Former EVP, GM Ringcentral  
**Raj Judge, Secretary**  
Partner, Wilson Sonsini, Goodrich & Rosati  
**Uday Bellary, Finance Chair**

**Executive Director**  
Neha Mishra

**TiEcon 2023**  
**Conveners**  
Anand Akela  
Chris Waugh  
Mini Suri  
Sandeep Singh

**25th April 2023**

**Nazeerunnisa Qurishi**  
**Director Technical**  
**Homeland Security Solutions LLP.**  
**TF3, Empire Square Bldg**  
**Banjarahills Rd# 36, Hyderabad 500034**

**Dear Nazeerunnisa,**

On behalf of TiE Silicon Valley and TiEcon 2023 leadership, we would like to **invite you** to our annual flagship conference, TiEcon, [www.tiecon.org](http://www.tiecon.org) in-person in Santa Clara, CA. The TiE family is very excited and looking forward to your session.

TiE is one of the largest global non-profit organizations focused on fostering entrepreneurship. From our humble beginnings in Silicon Valley 30 years ago, TiE has grown to 57 Chapters in 12 countries with 8,000+ members. Our chapters worldwide host hundreds of networking events & programs throughout the year to educate, inspire, mentor, and fund entrepreneurs.

TiEcon 2022 attracted more than 47,000 registrations from 150+ countries. Listed among the 10 best conferences for entrepreneurship, alongside TED and the World Economic Forum, our attendees range from CEOs of established companies and serial entrepreneurs to first-time entrepreneurs and government policymakers.

Our speakers have included world-renowned figures and recognized leaders in business and technology. Past TiEcon speakers include Dr. Albert Bourla (*Pfizer*), Cristiano Amon (*Qualcomm*), Arianna Huffington (*Thrive*), Vivek Ranadive (*Sacramento Kings*), Randi Zuckerberg (*HUG*), Ratan Tata (*Tata Trusts*), Indra Nooyi (*PepsiCo*), Reed Hastings (*Netflix*), Elon Musk (*Tesla*), PayPal, SpaceX), Larry Page & Eric Schmidt (*Google*), Daniel O' Day (*Gilead Sciences*), Eric Yuan (*Zoom*), Peter Thiel (*Palantir, Paypal*) Meg Whitman (*HP, eBay*) Satya Nadella & Steve Ballmer (*Microsoft*), Reid Hoffman (*LinkedIn*), Nikesh Arora (*Palo Alto Networks*), Marissa Mayer (*Yahoo*), John Chambers (*Cisco*), Larry Ellison (*Oracle*), Steve Case (*AOL*), and Bonny Simi (*JetBlue*).

TiE is actively engaged in the entrepreneurial ecosystem and caters to innovators, investors, enterprises, and government. TiE interacts with Angel Networks, VCs, Incubators, Accelerators, Educational Institutions, Governments, Corporates, and NGOs for the purpose of fostering entrepreneurship.

We would be delighted to have you as a speaker at the Global Connect track at TiEcon 2023. We look forward to your response and confirmation

Sincerely,  
*Anita Manwani*  
President, TiE Silicon Valley

*Neha Mishra*  
Executive Director, TiE Silicon Valley

TiEcon 2023 Co-Conveners:  
*Anand Akela* *Chris Waugh*  
*Mini Suri* *Sandeep Singh*

- [5] **Appointment as a Technical Committee member in the 9th International Conference on Computing and Informatics (ICOCI-2023)-Malaysia.**
- [6] **Achieved 90% consolidated score (Elite+Gold medal) in the course “Principles of Modern CDMA/MIMO/OFDM Wireless communications” NPTEL online certification course organized by IIT Kanpur ,Funded by the Ministry of HRD, Govt. of India, Aug – Oct. 2019 (8-weeks duration). URL link online result: [https://nptel.ac.in/noc/B2C/candidate\\_login/candidate\\_scores.php?courseid=noc19-ee49](https://nptel.ac.in/noc/B2C/candidate_login/candidate_scores.php?courseid=noc19-ee49)**
- [7] **Achieved 92% consolidated score (Elite+Gold medal) in the course “Principles of signal estimation in MIMO/OFDM system wireless communications” NPTEL online certification course organized by IIT Kanpur ,Funded by the Ministry of HRD, Govt. of India, Jul-Oct 2018 (12-weeks duration).**  
**URL: [https://nptel.ac.in/noc/B2C/candidate\\_login/candidate\\_scores.php?courseid=noc18-ee21](https://nptel.ac.in/noc/B2C/candidate_login/candidate_scores.php?courseid=noc18-ee21)**
- [8] **Achieved 91% consolidated score (Elite+Gold medal) in the course “Introduction to Research” NPTEL online certification course organized by IIT Madras, Funded by the Ministry of HRD, Govt. of India, Jul-Sep 2017 (8-weeks duration).**
- [9] **R& D project “Gesture & Activity Recognition for Physically Challenged” was sanctioned with amount 40,000/- in September 2014, and was successfully completed by March 2015 within specified time duration. It won the second prize on APJ Abdul Kalam Day, organized by the Dept. of ECE at MJCET in May 2015 as the best final year project (Letter of Appreciation)**
- [10] **Faculty Excellence Award for the academic year 2007-2008 with cash prize of 5000/- was awarded in March 2009, MJCET.**
- [11] **As a Resource person in IEEE MTT /AP /EMC, Hyderabad Section workshop organized by the joint chapter in a 3- day Online Workshop on “ADVANCES IN MICROWAVES AND ANTENNA TECHNOLOGY” from 11<sup>th</sup> to 13<sup>th</sup> September, 2021.**
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### **III. List of FDP/ STTP/ Webinar/ Conference/ Seminar/Workshop/**

#### **Short course Attended since 2020**

<b>S.NO.</b>	<b>Name of the event</b>	<b>Dates Conducted on</b>	<b>Held at</b>	<b>No. of Days</b>	<b>FDP/STTP/Webinar /Conference/Seminar/Workshop/ Short course</b>
1.	AI for “COVID-19 outbreak prediction, Forecasting, Data Analysis & Data Visualization”	10 <sup>th</sup> & 11 <sup>th</sup> April-2020	Edux Labs	2-Days	Online Workshop
2.	“IOT for Emerging Applications”	10 <sup>th</sup> – 14 <sup>th</sup> May-2020	KITS Warangal	One-Week	Online FDP
3.	ATAL online FDP on “Artificial Intelligence”	3 <sup>rd</sup> to 7 <sup>th</sup> June-2020	Central University of Kerala	5-Days	Online FDP
4.	Figure Drawing for Researchers & Academicians	19 <sup>th</sup> to 20 <sup>th</sup> June- 2020	ET mantra e-Learning Solutions	2-Days	Webinar
5.	LATEX	24 <sup>th</sup> to 25 <sup>th</sup> June-2020	ACM Chapter Hyderabad Deccan	2-Days	Virtual Workshop
6.	“Present Trends and Research scopes in 5G Wireless Communications”	27 <sup>th</sup> to 28 <sup>th</sup> June-2020	Department of ECE GPREC, Kurnool	2-Days	Webinar
7.	“The Way to Publish the Papers in SCI Index Journals”	6 <sup>th</sup> to 8 <sup>th</sup> July 2020	Department of ECE, RGM CET, Nandyal	3-Days	Online FDP
8.	Optimization Techniques through Machine Learning for Wireless and IOT	13 <sup>th</sup> to 18 <sup>th</sup> July 2020	MallaReddy Engineering college for Women	One-Week	Online STTP
9.	“Applications of Deep Learning Techniques for Communication & Signal Processing”	15 <sup>th</sup> to 19 <sup>th</sup> September-2020	NIT, Meghalaya	5-Days	Online TEQIP-III sponsored Workshop

10	“5G Millimeter Wave MIMO OFDM Wireless Technology”	2 <sup>nd</sup> -4 <sup>th</sup> October-2020	IIT KANPUR Dept. of Electrical Engineering	3-Days	Short Course (High Intensity Training Program) Online
11	1 <sup>st</sup> International Conference on Computational Intelligence & Energy Advancements ICCIEA-2020	12 <sup>th</sup> to 13 <sup>th</sup> December- 2020	Jointly organized by Vaagdevi college of engineering, 12arangal & Faculty of computing & IT KAU Saudi Arabia.	2-Days	IOP JPCS  Scopus indexed International Conference (Research Paper presented)
12	“Hands On Project based Approach of 5G Design and Development ”	14 <sup>th</sup> to 19 <sup>th</sup> December- 2020	KITS Warangal	6-Days	STTP (AICTE sponsored) A+ grade
13	“Computational Intelligence and Machine Learning Applications”	18 <sup>th</sup> to 23 <sup>rd</sup> December- 2020	IEEE CIS/GRSS Jt. Chapter Hyderabad Section	One-Week	Workshop
14	“PYTHON for 5G MU, Massive MIMO and mmWave MIMO”	21 <sup>st</sup> to 30 <sup>th</sup> Decemeber-2020	IIT KANPUR Dept. of Electrical Engineering	10-Days	Short Course
15	“4G & 5G Mobile Technologies”	18 <sup>th</sup> to 22 <sup>nd</sup> January – 2021	NITTTR, Chennai National Institute of Technical Teachers Training and Research	One-Week	Quality Improvement Program
16	“Mixed Signal VLSI circuit Design”	25 <sup>th</sup> to 27 <sup>th</sup> January-2021	Anurag Group of Institutions, JNTUH, Hyderabad	3-Days	FDP-TEQIP-3
17.	“Signal Processing and Communication using Python”	25 <sup>th</sup> January to 11 <sup>th</sup> Feb	ECE Department, MJCET	Three-Weeks	Conducted Workshop for 3 <sup>rd</sup> year Students (ECE-A & B)
18.	“Emerging Trends in RF and Energy Device and Circuits”	22 <sup>nd</sup> to 26 <sup>th</sup> Febuary-2021	NIT-Meghalaya under MOU with AICTE	5-Days	FDP
19.	“Modern Wireless Communication Systems and Antenna Engineering with Experimental Learning”	15 <sup>th</sup> to 20 <sup>th</sup> March-2021	NIT-Sikkim	One-Week	Short term course- TEQIP-III sponsored



20.	“2021 IEEE sponsored International Conference on Emerging Trends in Industry 4.0 (ETI 4.0)”	19th to 21st May-2021	OP Jindal University, Raigarh, Chhattisgarh, India	3- Days	2021 IEEE sponsored International Conference (ETI 4.0) (BEST PAPER AWARD)
21.	RRSPBL 2021 Regional Research symposium on Project based learning by UNESCO centre	18th to 19th June-2021	Online	2- days	Symposium on Project based learning by UNESCO centre
22	"Recent Innovation in Antennas and RF frontend systems for 5G"	28th to 30 July 2022.	Online	3- days	FDP at CBIT
23.	"5G Wireless Communication Technology"	28th to 30 July 2022.	Online	3- Days	IEEE India Council