

**Dr. M. Naresh Kumar**

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**Current Research Interests:** Currently, Dr. Naresh Kumar's research is focused

1. Wireless Communication
2. Utility Product Design.

**Biographical Information:**

M Naresh Kumar has completed his Bachelor degree in Electronics and Communication Engineering from Anna University Chennai in the year 2005, Post graduate degree in Communication Systems from Anna University of Technology Coimbatore (University Campus) in the year 2010, and he has received doctoral degree from Anna University Chennai in the year 2017. He has around 16 years of Teaching and Learning Experience in the field of Engineering Education. Currently he is working as Associate Professor in the Department of Electronics and Communication Engineering at Vardhaman College of Engineering, Hyderabad, India. His three an innovative international patent and one an invention Indian Patent are granted, and he has published five Indian invention patents in chosen field. He has received many awards like Global Faculty Award 2020, International achievers award and gold medal, Bharat Excellence award and gold medal, Leading Educationist of India award for Educational Excellence, Best Indian Golden Personalities award in the field of education, Young Faculty in Engineering, Distinguished Scientist award, Research Excellence award, Teaching Awards in Engineering by Staffordshire University, UK & Education Matters etc., He has published around 30 national and international research articles. He has delivered more innovative talks to young minds in various platform.

**Selected Publications: (Top 5 Papers)**

\*M. Naresh Kumar, Wilson "One Click Sending SMS From Disabled Persons for Their Needs", IEEE International Conference on ICSVCE, Vardhaman College of Engineering, April 2021, 2407, 020014 (2021), pp:020014 – 1 to 7, <https://doi.org/10.1063/5.0074350>

\*B.Venkatesh, and M.Naresh Kumar, "Implementation of IoT Based Advanced Women Safety and Security System Using Raspberry Pi", 'Journal of Computational and Theoretical Nanoscience, ISSN: 15461955 (Print), E-ISSN: 15461963 (Online), Vol. 17, pp.1–4, 2020 Nov 2020.Scopus.

\*M.Naresh Kumar, and K.V.Sravani, "Car Driver Monitoring System using GSM and GPS Modules", 'International Journal of Advanced Science and Technology (IJAST)', ISSN: 2005-4238 (Print), E-ISSN: 2207-6360 (Online), Vol. 29, No. 6s, (2020), pp. 4094 – 4101, June 2020.Scopus

\*Juveriya Siddiqua, M.Naresh Kumar, "Automated Accident Detection Safety Helmet", 'International Journal of Advanced Science and Technology (IJAST)', ISSN: 2005-4238 (Print), E-ISSN: 2207-6360 (Online), Vol. 29, No. 6s, (2020), pp. 4073 – 4080, June 2020. Scopus

\*Harini V, M.Naresh Kumar, "Crescent Shaped Slot mmwave Array Antenna for Future 5g Femtocells Applications", 'International Journal of Engineering and Advanced Technology', ISSN:2249-8958, Volume-8 Issue-5, pp 2114-2119, June 2019. Scopus.

### **Patents Published/Granted: (Latest 2)**

\*An invention Patent got **Granted** in the title, “**An Automatic Multi-Functional Life RescueFlood House**”, **Patent Number: 366431**, Application Number: **202041041293** and applying**Patent Cooperation Treaty (PCT –seeking patent protection internationally for proposed inventions)**, and **aiming to file this invention to various countries**, Patent no: 366431, Publication No./ Journal No: 41/2020, Publication Date: 09/10/2020.

\*Published an invention patent in the title of, “**A Smart and Painless Intravenous Cannulation Assisting Device**”, Application Number: **202141029536**, Publication No./ Journal No: 29/2021, Published Date: 16/7/21.

### **On-Going Research Projects:**

- Submitted DST – EEC Project proposal on the title of “Monitoring And Controlling of Smart Intravenous Cannulation Assisting Device Without Human Intervention”, June -2021, Total Cost (in Rs.) : 42,85,478 (Under Review).
- Working on “**75 Student Satellites' Mission 2022**” - Vardhaman students Satellite (VSat), association with Indian Technology Congress Association (ITCA), Total Cost (in Rs.): ~ 2crore funded by Vardhaman College of Engineering, Hyderabad, from Dec 2018 to till date.