



## Mr MOHANKUMAR VENUGOPAL

E-mail: [phd.mohankumar@gmail.com](mailto:phd.mohankumar@gmail.com)

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/274776>

Orcid Id: 0000-0001-9569-6888

Phone: 8277238999, 8884660123

Address: Bangalore Urban ,Karnataka,India - 560056

## Expertise

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### Electrical and Electronic Engineering

Expertise in Electronics and Electrical Circuits, Control Systems, Computer Language and related subjects.

## Work experience

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1. Dr Ambedkar Institute of Technology, Bengaluru 2004 — Present

Assistant Professor (Grade-I)  
Bengaluru

## Education

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1. M. Tech - 2010

R V College of Engineering, Bangalore

2. B. E. - 2003

Dr. Ambedkar Institute of Technology, Bangalore

## Honours and Awards

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1. Elite+Silver - 2021

NPTEL SWAYAM

2. Elite+Silver - 2020

NPTEL SWAYAM

3. Elite+Silver - 2019

NPTEL SWAYAM

## Membership In Professional Bodies

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1. ISSS, 2010

Life Member

2. CRSI, 2010

Life Member

3. ISTE, 2004

Life Member

## Membership In Committees

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1. BOS, 2022

Member

2. BOE, 2022

Member

## Publication

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1. An efficient hybrid biomechanical energy harvesting system using human motions for low-power applications

- Venugopal M.;Jayaramaiah G.V.  
International Journal of Power Electronics and Drive Systems, Volume 14, Year 2023, Pages 433-443
2. **Simulation and performance analysis of self-powered piezoelectric energy harvesting system for low power applications**  
Venugopal M.;Jayaramaiah G.V.  
International Journal of Electrical and Computer Engineering, Volume 12, Year 2022, Pages 5861-5871
  3. **Recent Progress on Bio-mechanical Energy Harvesting System from the Human Body: Comprehensive Review**  
V M.;Jayaramaiah G.V.  
International Journal of Advanced Computer Science and Applications, Volume 12, Year 2021, Pages 184-194
  4. **Effective strategies for the improvement of Higher Education**  
Mohankumar Venugopal  
Indian Journal of Higher Education (IJHE), Volume 12, Year 2021, Pages 83-96
  5. **Mohankumar V., Dr. G V Jayaramaiah**  
H .S. Nagarathna , Kavyashree S , Madhusudhan M , Mohankumar Venugopal  
IJARIIE, Volume 7, Year 2021, Pages 202-206
  6. **Simulation of Gait Based Wearable Energy Harvesting using Human Movement**  
International Journal of Innovative Technology and Exploring Engineering (IJITEE), Year 2020
  7. **Electric Vehicle Powertrain Sizing**  
Nikhil P., Likitha K N., Kavitha V., Vishal, Mohankumar Venugopal  
IJRASET, Volume 8, Year 2020, Pages 1226-1234
  8. **Virtual Reality based Human Mouse**  
Mohankumar Venugopal., Kumudini G., Meghana K., Niveditha Bhat, Prathibha C  
IJSRD, Volume 7, Year 2019, Pages 1153-1156
  9. **Design Of Digital Down Converter And Signal Detection Techniques For Software Defined Radio"**  
Narendra N., Degala Srilakshmi, Mohankumar Venugopal  
IJEAST, Volume 4, Year 2019, Pages 98-102
  10. **An Overview of Charging System in Electric Car**  
Madhusudhan M, Mohankumar V  
International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Volume , Year 2019, Pages
  11. **Campus Navigator Using Bluetooth**  
Husna , Jeevan H S , Kannadaguli Rupashree , Kavya M , Mohankumar Venugopal  
International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) , Volume 7, Year 2018, Pages 316-318

**12. Implementation of Hi-Tech Agricultural system**

Abhishek H. B., Akilesh R., Chandabasha, Harish Kumar H. S., Mohankumar Venugopal  
IJSRD, Volume 6, Year 2018, Pages 781-782

**13. Implementation of a System that Harvests the Energy from the Wi-Fi to Charge the Batteries**

Mohankumar V , Dr. G V Jayaramaiah , R H Vijayakumar , Madhusudhan M  
International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS),  
Volume , Year 2018, Pages

**14. Design and Verification of a Robust Neural Network Based Kannada Base Character Recognition System**

Mohankumar Venugopal, Dr. G V Jayaramaiah  
IJIFR, Volume 4, Year 2018, Pages 6259-6265