



## Department of Freshman Engineering

### Faculty Profile

**Name** : Dr. B.Maruthu Kannan  
**Designation** : Professor  
**Qualification** : M.E., Ph.D  
**Total Experience** : 28 years  
**JNTUH ID** : 5356-211102-121642  
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**YouTube** : <https://www.youtube.com/channel/UCaVjdxxyOTO51kacQl7AYp1g>

### Publications (International Journals):

- " Web Assisted Collaborative Learning to Teach Design Engineering – A Pragmatic Approach " authored by” B. Maruthu Kannan & B. G. Barki” published in” International Journal of Automobile Engineering Research and Development (IJAuERD)
- " Using Web Technology for Collaborative Learning in Engineering Education" authored by ”B. Maruthu Kannan & B.G. Barki” d published in” International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR)’
- “Artificial Neural Network mechanism for balancing the routing load in the SDN”  
 Authored by “ T Sivakumar, K.Sashi Rekha, P. ShobhaRani and B. Maruthu Kannan”  
 published in IOP Journal of Physics Conference Series (ISSN 1742-6588),
- “Fuzzy logic system using Optimal Cluster Head Selection with PCA method for balancing the load in the IoT-WSN” Authored by “B. Maruthu Kannan, P. Shobha Rani,

T Sivakumar and K.SashiRekha” published in “IOP Journal of Physics Conference Series (ISSN 1742-6588)”.

- “Reinforcement learning based DoS attack Detection in IoT WSN” authored by “P. Shobha Rani, B. Maruthu Kannan, K. Sashi Rekha and T. Sivakumar” Published in IOP Journal of Physics Conference Series (ISSN 1742-6588),
- Embedded Based Vehicle Data Transmission System With IoT And Li-Fi Technology
- C. Chandravathi; B.Maruthu Kannan; P. Chitralingappa; M. Balamurugan Published in: 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)

Sl	Item	Number	Remarks
1	Worked as Principal	6 years	1. Anna University 2. Dr APJ Abdul Kalam University
2	Workshops / Conferences Organized	11	Various colleges
3	International events organized	7	Various events, ranges from college to MHRD
4	FTP /FDP handled as a resource person	173	Various Engineering Colleges, various events through NITTTR
5	Short-term courses completed	17	In the automobile, mechanical, and software engineering
6	Workshops/conferences attended (national and international)	57	
7	In plant Training Completed	4	
8	FDP attended	8	
9	Worked as University Curriculum Chairman	2	Madras University, Veltech University
10	Worked as University Valuation Board Chairman	7	Madras University, Anna University

## **Patents Published:**

- ADVANCED TECHNOLOGY BASED GLASS CLEANING ROBOT, No.202241031405 A Dr.B.M. KANNAN, DAYYALA SANJAY, ALDURI AJAY VARMA, BIDARKOTA SAATHVIK, Journal No. 23/2022 Dated 10/06/2022, 35299 Published
- SOLAR PANEL POWERED CONTROLLED ELECTRIC MINI VEHICLE USING AUTOMATIC AND MANUAL MODE OF OPERATIONS, 202241031399 A )Dr. B. M. KANNAN, POLOJU LOHITHAKSHA, PAVAN KALYAN, Journal No. 23/2022 Dated 10/06/2022, 35296 Published