# PROFESSOR


## Prof. (Dr.) Sankar Mukherjee

**Contact:** sanmukher@gmail.com


**RESEARCH INTERESTS:**

SENSOR NETWORK, IOT, ADHOC NETWORK

**EXPERIENCE:**

**Academics:** 18 Years

**Industry:** ---

**EDUCATION:**

1. Ph.D, IIT(ISM), Dhanbad
2. M.Tech, C.A, IIT(ISM), Dhanbad
3. M.Sc(Physics, Electronics) B.U,West Bengal
4. B.Sc (Physics),Visva Bharati University, West Bengal

## Courses Taught:

Computer Networks, Design and Analysis of Algorithms, Artificial Intelligence, Machine Learning, Python, Data structure and Algorithms, Operating System, Java, C

## Projects Handled:

Sensor Networks, IoT, J2EE

## Research Publications:

**Patent**

1. Sudip Kumar Sahana, Sankar Mukherjee, Milan Kumar Dholey"IOT BASED AUTOMATED REAL TIME MONITORINGSYSTEM FOR PATIENTS AND METHOD THEREOF" Patent No: 538796, Application No: 202331013273, IP India, 21.05.2024

**International Journal**

1. Milan Kumar Dholey, Ditipriya Sinha, Sankar Mukherjee, AyanKumar Das & Sudip Kumar Sahana. "MSHRP: Mobile SinkBased Limited Hop Routing Protocol for Wireless SensorNetworks" Wireless Personal Communications(Springer)SCIE(IF: 2.2), DOI 10.1007/s11277-023-10752-2, 2023.

2. Sankar Mukherjee. “Code Allocation in Clustered Based MAC inMobile Adhoc Networks” Brainwave, Vol-2, 2021.
3. Milan Kumar Dholey, Sankar Mukherjee, Ditipriya Sinha,AyanKumar Das, Sudip Kumar Sahana. “A Novel Broadcast NetworkDesign for Routing in Mobile Ad-hoc Network” IEEE AccessSCIE(IF: 3.745) DOI 10.1109/ACCESS.2020.3030802, 2020.
4. Sankar Mukherjee, Ruhul Amin, and G. P. Biswas. “Design ofRouting Protocol for Multi-Sink based Wireless SensorNetworks.” Wireless Networks (Springer), SCIE(IF: 2.405) DOI https://doi.org/10.1007/s11276-019-02095-3, 2019.
5. Sankar Mukherjee, Daya Sagar Gupta and G. P. Biswas. “AnEfficient and Batch Verifiable Conditional Privacy-PreservingAuthentication Scheme for VANETs using Lattice.” Computing(Springer),SCIE(IF:2.063),DOI:https://doi.org/10.1007/s00607 -018 -0689-3, 2018.
6. Sankar Mukherjee, and G. P. Biswas. “Location Estimationbased Routing for Mobile Adhoc Network.” Journal of Intelligent& Fuzzy Systems- Applications in Engineering and Technology(IOS Press) SCIE(IF:1.637), DOI:10.3233/JIFS-169666, 2018.
7. Sankar Mukherjee, and G. P. Biswas. “Networking for IoT andapplications using existing communication technology.” EgyptianInformatics Journal (Elsevier) SCIE(IF:3.119), 2018.
8. Sankar Mukherjee, and G. P. Biswas. “Code Assignment inCDMA-Based Clustered Mobile Adhoc Network.” InternationalJournal of Electronics Communication and ComputerEngineering (IJECCE).3(3), pp. 703–707, 2012.

**International Conference**

1. Sankar Mukherjee, and G. P. Biswas. “Design of Hybrid MACProtocol for Wireless Sensor Network.” In Proceedings ofRecent Advances InInformation Technology(RAIT-2014), pp.101–106. Springer, 2014.
2. Sankar Mukherjee, and G. P. Biswas. “Stable Path BasedRouting in Wireless Mobile Adhoc Network (MANET).” InProceedings of International Conference on Emerging Trends inElectrical, Electronics and Communication Technologies-ICECIT, 2012, pp. 123–128. IEEE, 2012.
3. Sankar Mukherjee, and G. P. Biswas. “Reducing Interference inCluster Based Sensor Network Using FDMA-CDMATechnique.” In Proceedings of International Conference onAdvances in Computing, Communication and Control’2013 ,pp. 346–355. Springer, 2013.
4. Sankar Mukherjee and G. P. Biswas. “QoS Enhancement ofMulti-hop WiMAX Networks based on OFDMA and TDMAScheduling.” In Proceedings of Recent

Advances In InformationTechnology (RAIT- 2012), pp. 355–359. 2012.

| **Additional Responsibilities:** |
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| Project Committee Member (CSE), Project Committee Advisor (IT), Mock Interview Committee Member, Grooming Committee Member |

| **Awards Obtained:** |
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