

# MAHENDRA RAM

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## ACADEMICS

**M.Tech.** in Computer Science with **73%** from SC&SS, JNU, New Delhi [2010-12].

**M.Sc.** in Mathematics with **52.08%** from Purvanchal University Jaunpur [2005-07].

**B.Sc.** (Physics, Chemistry, Mathematics) with **51%** from Purvanchal University Jaunpur [2002-05].

**12<sup>th</sup>** with **52%** from U.P. Board [2002].

**10<sup>th</sup>** with **60.33%** from U.P Board [1999].

## TEACHING EXPERIENCE

Worked as Assistant Professor in the Department of Mathematics in Hansraj College (University of Delhi), UG and PG courses from 23-07-2012 to 15-12-2012, in Kamala Nehru College from 05-01-2015 to 21-07-2015 and in Maharaja Agrasen College from 30-07-2015 to 15-12-2015, in Hansraj College from 07/ 08/ 2019 to till date.

## DISSERTATION

[M. Tech.]

**Area:** Wireless Sensor Networks.

**Dissertation Title:** “Energy Optimization in Wireless Sensor Networks.”

## PAPERS PUBLICATION

### Journals

[1] **Mahendra Ram**, Sushil Kumar et al., “Enabling Green Wireless Sensor Networks: Energy Efficient T-MAC Using Markov Chain Based Optimization Model”, Electronics 2019, 8, 534; doi:10.3390/electronics8050534, MDPI, (**SCI Impact Factor: 2.117**).

[2] **Mahendra Ram**, Sushil Kumar et al., “Green Computing for Industrial Wireless Sensor Networks: Energy oriented Cross Layer Modelling”, EURASIP Journal on Wireless Communications and Networking, Springer, (**SCI**) (2020).

### Conferences

[3] **Mahendra Ram** and Sushil Kumar, “Analytical Energy Consumption Model for MAC Protocols in Wireless Sensor Networks,” International Conference on Signal Processing & Integrated Networks, DOI: 10.1109/SPIN.2014.6776994, SPIN-14, IEEE, 2014.

[4] **Mahendra Ram**, Sushil Kumar and Parveen, “Estimation of Energy Consumption in Wireless Sensor Networks Using Random Radius Clustering Technique,” 1<sup>st</sup> International Conference on Networks and Cryptology (NetCrypt-2019).

#### CONFERENCE/WORKSHOP ATTENDED

- Organised two weeks Faculty Development Programme on “ Challenges before the academia in the era of Gadgets, E-Communication & A.I. (Interdisciplinary) ” from 15<sup>th</sup> -28<sup>th</sup> , December, 2018 organised by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.
- Presented a paper titled “ Estimation of Energy Consumption in WSN using Random Radius Clustering Technique” in the 1<sup>st</sup> international conference on Networks and Cryptology organized by School of Computer and Systems Sciences , Jawaharlal Nehru University, New Delhi on 14<sup>th</sup> – 16<sup>th</sup> June, 2019.
- Participated in the Faculty Development Program on R Programming, 21<sup>st</sup> -27<sup>th</sup> , February, 2018, at Maharaja Agarsen College, University of Delhi, Delhi.
- Participated in two day workshop “ Emerging Challenges of Cyber Crimes in India at Jawaharlal Nehru University, New Delhi on 9<sup>th</sup> – 10<sup>th</sup> October, 2017.
- Participated in the state level seminar on “ Mathematics and Its Applications” organized by the Department of Mathematics , Kamala Nehru College, University of Delhi, 4<sup>th</sup>, March, 2016.
- Participated in the AICTE recognized short term course on Network and Cyber Security conducted by Computer Science & Engineering Department from 27<sup>th</sup> June to 1<sup>th</sup> July, 2016 at SC&SS, JNU, New Delhi.
- Workshop on Free/Open Source Software 17<sup>th</sup> August, 2012, in Acharya Narendra Dev College (University of Delhi), New Delhi.
- " International Conference on Methods and Models in computer science(ICM2CS-2010)", School of Computer and Systems Sciences, JNU, New Delhi, 13<sup>th</sup>-14<sup>th</sup> December, 2010.
- "International Conference on Signal Processing & Integrated Networks", Amity School of Engineering & Technology, Amity University, 20<sup>th</sup>-21<sup>st</sup> February, 2014.

#### ACHIEVEMENTS

- UGC-JRF in Mathematics, 2009(All India rank 211).
- GATE in Mathematics, 2009(All India rank 1600).

#### PERSONAL INFORMATION

Father's Name	: Mr. Shyam Nath Ram
Mother's Name	: Mrs. Leelawati Devi
Languages known	: English, Hindi
Date of Birth	: 5 <sup>th</sup> Feb., 1984
Marital Status	: Single
Nationality	: Indian
Permanent Address	: Village – Khandgilia, Post –

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I hereby declare that all the above-mentioned information are given by myself and are true to the best of my knowledge.

Date: 01. 07. 2020

Place: New Delhi

(Mahendra Ram)

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