Rupali Mahajan

Assistant Professor
Hindustan College of Science and Technology-
MATHURA-281122
Contact:9457059900
Email:rupali.mahajan.hcst@sgei.org

Qualification	:	B.tech(Electronics & Communication Engg.), M.Tech(VLSI Design)
Department	:	Electronics & Communication Engg.
Experience (Academics/Industry/Research)	:	15 years
Research Interest	:	Microprocessors, Sensor networks
BTech/MTech/MPhil Dissertation supervised		B.Tech.:10 M.Tech.:3
Research Publications	:	Journal: 8 Conference: 2

Journals:

- Rupali Mahajan et. al., "Design and implementation of Arduino based accident prevention system", IRJET, e-ISSN: 2395-0056, Volume: 09, Issue: 06, June 2022.

-
- Rupali Mahajan et. al., "Design of women safety device based on GPS", IRJET, e-ISSN: 2395-0056, Volume: 08, Issue: 09, September 2021.

- Rupali Mahajan et. al., "Design of Residential Fire Alarm System using Wireless Sensor Network", International Journal of Advanced Science and Technology Vol. 29, No.4, (2020), pp. 4308 – 4313.

- Rupali Mahajan et. al., "A Review of Fire Detection Techniques", IRJET, e-ISSN: 2395-0056 Volume: 07 Issue: 02, Feb 2020.

- Rupali Mahajan et. al., "Forest Fire Detection System using GSM Module", IRJET, e-ISSN: 2395-0056, Volume: 06, Issue: 08, Aug 2019.

- Captain R.C. Prasad, Rupali Mahajan, Dr. Rashmi Priyadarshini, "Earthquake early warning system", IRJET, e-ISSN: 2395-0056, Volume 06 Issue 09 Sept, 2019.

- Rupali Mahajan, "WSN for disaster management", JETIR December 2018, Volume 5, Issue 12 ISSN-2349-5162

- Rupali Mahajan and Ankit Gupta, "Clockless multistable analog circuit using CNTFET", IJEECS, ISSN 2348-117X, Volume 6, Issue 6, June 2017.

- Rupali Mahajan and Anuj Sharma, "WKB approximation method for FN Tunnelling", RATE-2012.

Certifications:

- Completed MOOC Course on Micro-Processors and Micro-Controllers in Elite category in 2019

• Completed MOOC Course on Introduction to IoT in Elite category in 2022	
Patent: Filed a patent on "Secret key management method for distributed wireless sensor network"	

<table>
<tr><td colspan="3" align="center">Achievements</td></tr>
<tr><td>Award</td><td>:</td><td>Best teacher award in 2012</td></tr>
</table>