



**Tulsiramji Gaikwad-Patil College of Engineering and Technology**

Wardha Road, Nagpur - 441108

Accredited with NAACA+Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to RTMN Nagpur University, Nagpur)



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## Department of Electronics and Communication Engineering

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**M.Tech\_II Sem**

**Electronics Engineering (Communication)**

**Course Name: MEC21202 Smart Antenna**

| CourseCode | Course Outcomes  | PO/PSO             | CL | Class Sessions |
|------------|--|--------------------|----|----------------|
| MEC21202.1 | <b>Examine</b> the wire antenna and micro strip Antenna using the concept of Monopole antenna. | PO1, PO2, PO3      | 3  | 9              |
| MEC21202.2 | <b>Analyze</b> the side lobe cancellers using Array Antenna .                                  | PO1, PO2, PO, PO12 | 4  | 9              |
| MEC21202.3 | <b>Examine</b> the Narrowband antenna using the concept of Beam former.                        | PO1, PO2, PO, PO12 | 3  | 9              |
| MEC21202.4 | <b>Identify</b> jamming of Beam former for antenna using Least mean square algorithms.         | PO1, PO2, PO3      | 4  | 9              |
| MEC21202.5 | <b>Design</b> wireless communication by using AI with smart antenna systems.                   | PO1, PO2, PO3      | 4  | 9              |

**HoD(ECE)**