

**Dr. Mrs. P. Malathi**  
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➤ **Educational Qualification: Ph.D. (E&TC), ME(E&TC)**

➤ **Experience: 25 years**

➤ **Areas of Interest:**

- Wireless Communication
- Microwave Antennas
- Digital Signal Processing
- Telecommunication Systems
- Image Processing
- Communication

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➤ **Memberships:**

- ISTE (Life Membership)
- IEEE (Annual Membership)
- IETE (Fellow Membership)
- IIEM (Associate Membership)
- ISC (Individual Member)

➤ **Courses Handled:**

- Research Methodology
- Digital Image Processing
- Advanced Digital Signal Processing
- Wireless Communication
- Microwave Antennas
- Digital Signal Processing
- Telecommunication Systems
- Digital Communication

➤ **Administrative responsibilities:**

#### **University Level**

- Chairman Of Paper Setters Of Digital Communication And Information Theory And Coding
- Techniques At TE , BE and PG level
- Paper Setter And Evaluator For Various TE , BE, PG(VLSI and CN) Level Subjects
- Academic Research Co-Ordinator Of The College In University Level
- Member Of Syllabus Formation Of Revised SE, TE , BE and PG (Communication Networks) Syllabus
- External And Internal Examiner For Various Practicals Of SE, TE , BE And PG Subjects

#### **Institute Level**

- In Charge For EDUSAT Facility
  - Prepared The Documentation For NAAC
  - Maintenance And Operation
  - Sending The Transmission Schedule Of Each Month To Each Department
  - Arranged The Programs For The Students And Staff Of All The Departments
- Member Of The Library Committee

- Selected The Students For Earn And Learn Scheme
- Checked The Utility Of Reading Room
- Discussed And Arranged Meetings For AMC
- Involved In The Preparation Of Documentation For NAAC
- Head Of The Department
- In Charge Dean Of FE For 4 Months
- Coordinator For The Dead Stock Verification Of Computer And IT Department
- Co-Ordinator And Active Member Of The R/D Cell
- Member Of The Magazine Committee Of The College
- Time Table Co-Ordinator For The College
- Member Of Anti-Ragging Committee Of The College
- Co-Ordinator For The LIC Report Preparation For UG Level.
- Member Of Selection Committee Of PG Students For Computer Department
- Member Of Various Co-Curricular And Extra- Curricular Activities Of The Institute.
- Senior And Assistant Senior Supervisor In Pune University Theory Examination Of The Students
- Co-Ordinator For The Preparation Of College Brochure
- Chief Co-Ordinator Co-Ordinator For AICTE And UOP Affiliation Work In College Level
- Co-Coordinator For The Preparation Of Report For Shikshan Shulka Committee
- Member Of Interview Panel For The Faculty Recruitment In Kolhapur Institute And Parent Institute
- Preparation Of Budget In College And Department Level
- Chair Person For The Oral Presentation At The International Conference ICWET 2012
- Chairman Of Internal Complaint Committee Of The Institute

### **Department Level**

- Head Of UG And PG Department
- Project Co-Ordinator Of The Department
- Faculty Co-Ordinator The Arrangement Of ELECTRONZ 07 Of The Department.
- Lab In Charge For Communication And Software Lab.
- Co-Ordinator For The Preparation Of Budget Of The Department.
- Active Member Of The TE Syllabus Revision Workshop In The Department.
- Co-Ordinator For 3 Days Workshop On ‘ Antenna Design Simulation, Fabrication And Manufacturing’ Conducted In The Department.
- Prime Editor Of Annual Technical Magazine ‘ E-Way’ Of The Department
- Member Of The Checking Committee Of Academic And Personal Files Of The Faculty.
- Students Counseling
- M. Tech Project Guidance For The Faculty Members
- Preparation Of Various Documents Related To NBA, LIC And NAAC Activities
- Related To The Department
- Conducted Parent-Teacher Meet In Department Level
- Recruitment Of Teaching Faculty And Non Teaching Staff For The Department
- Co-Ordinator For The Purchases Of The Department
- Conducted Seminars And Workshops In The Department
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- **Publications:**
  - National Conference: 21
  - International Conference :31
  - International Journals: 38

➤ **Patents:2**

➤ **Books: 1**

➤ **Research Projects :**

- Completed: Project on “Frequency allocation in Mobile Communication using Genetic Algorithms” sponsored by ISRO-DRDO-UOP Interaction Cell ( 3 Lacs).
- Ongoing: Research Project On’ Quality Of Service Enhancement In Routing For Mobile Ad-Hoc Network Based On Bandwidth Estimation” Sponsored By UOP (2 Lacs).

➤ **Awards and Accolades:**

- National Mahila Rattan Gold Medal Award By Indian Solidarity Council For Outstanding
- Achievements In The Field Of Education At New Delhi On 20th Feb , 2015
- Bharat Vidya Shiromani Award By International Institute Of For Outstanding
- Achievements In The Field Of Education At New Delhi On 20th Feb , 2015
- Best Teacher Award For Outstanding Performance In Teaching During Academic Year 2013-
- 14 In D. Y. Patil College Of Engg, Akurdi