

Department of Electronics & Communication Engineering

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Areas of Specialization

- ▶ Analog and Digital Communication
- ▶ Satellite Communication
- ▶ Optical Fiber Communication
- ▶ Wireless Communication
- ▶ Wireless Mobile Communication

Teaching & Learning

- 30 years of teaching experience
- Resource person for various universities
- Taught over 10 core subjects so far.
- Consistently positive feedback from the students.
- Interdisciplinary classes
- Organizing technical book exhibition
- Industrial tours
- Industrial training
- Technical exhibitions and technical paper competitions.
- Setting up cable TV network for the institute campus.

Research

- ▶ Attitude control of geo-stationary satellite using soft computing techniques
- ▶ Highlights of doctoral research
- As compared to conventional techniques, use of soft computing techniques for controlling the attitude of the satellite can save the effective use of fuel and subsequently helps in increase in life span of a satellite is highlighted.

Publications based on PhD work (National Journal)

- ▶ Three publications in national journals i.e.
- ▶ IETE journal of research
- ▶ IETE journal of education
- IETE technical review

PhD and M. Tech./ M.E. (by Research) Completed

- ▶ PhD Completed : 12
- ▶ Submitted : 05
- ▶ On going: 08
- ▶ M. E. (By Research): Completed: 02
- ▶ M. Tech.: Over 15

Publications till date

- ▶ International Journal: 80
- ▶ National Journal: 10
- ▶ International Conference: above 100
- ▶ National Conference: 10

Best paper and thesis award

- ▶ Best paper award: 02
- ▶ Best Thesis award: 02

Institutional development

- ▶ Work at different levels and helped college administration as and when required.

Future plans

- ▶ Strengthening M.Tech.(Communication System Engineering) course.
- ▶ Strengthening research in wireless communication.
- ▶ Completion of book on Satellite communication