



Report on the 3 days workshop on “ Biomedical Signal Processing and Health Care Applications” held at Poornima University

The three days workshop (23-25 July) on “Biomedical **Signal Processing and Health Care Applications**” under the **IEEE chapter** was held at **Poornima University**. The workshop was divided into 13 sessions which were taken by **Dr. Prasant bansod, dr.charniya** on the first day, on the second day the speakers were **Dr. shaligram** and **Dr.Rajesh B. Ghongade** and on the third day of the workshop the speakers were **Dr. Sunil and Dr. Gaikwad**. All the sessions were very interactive and the workshop was conducted in active mode where we have performed experimentation on **Matlab** related to **retina image processing and the ECG image processing**.

The topics covered were as follows:-

- The fundamentals of Bio-signals, Medical Imaging and their acquisition.
- Time and frequency domain analysis of Bio-medical signals and images.
- Implementing different algorithms for enhancement, compression, segmentation, of various medical images.
- Microwave Imaging & its Biomedical Applications.
- Hands-on experience for implementation of concepts related to health care applications.

The workshop also includes illustration of research works in health related issues using different biomedical signals and images. The sessions were interactive and innovative. Finally the workshop ends up with the valedictory session and certificate distribution and motivated us to apply this topic in our research areas.