

A Report on
One-Day TEQIP-II Workshop under Center of Excellence in Signal and Image Processing on “EEG Acquisition and Analysis” on 13th Dec 2014

Shri Guru Gobind Singhji Institute of Engineering and Technology Nanded had organized a One-Day TEQIP-II Workshop under Center of Excellence in Signal and Image Processing on “EEG Acquisition and Analysis” on 13th December 2014. Two experts from host institute, one expert from Vidya Pratishthan’s College of Engineering, Baramati, has conducted this training programme. The objective of this Workshop was to explore new directions in the fields of EEG analysis. The Workshop was given an opportunity to learn EEG acquisition and analysis by doing hands on experiments.

Participants:

There were in total 25 participants, out of that 05 faculty members, 10 research scholars, and 10 M.Tech and B.Tech students of our Institute.

Facilitators:

- 2 from Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded
- 1 from Vidya Pratishthan’s College of Engineering, Baramati

Workshop objectives:

- Interaction with expert in the area of EEG Acquisition and Analysis
- Understanding International 10-20 system scalp electrodes
- Getting problems based on EEG Acquisition and Analysis

Workshop started at 10:30 am with small function of 15 minutes of inauguration. Dr. L. M. Waghmare, Director of our Institute was chief guest for this function. In the first session which was from 10:45 am to 12:15 pm, Dr. R. R. Manthalkar gave brief note on fundamentals of Interpersonal Neurobiology. In the second session which was from 12:15 pm to 01:00 pm, I introduced participants working and basic concepts of EEG. After lunch break Prof. Shashank Birajdar delivered the lecture Brain Computer Interface between 2:00 pm to 3:00 pm. In second session after Tea break between 3.30 pm to 5.00 pm, Mr. Shashank Birajdar explained by doing hands on experiments EEG Acquisition using Emotive EPOC device so that participants could be able to use device in there research.

Outcome:

Participants were able to understand the basic concepts of EEG acquisition, International 10-20 system scalp electrodes, working of EEG Acquisition device Emotive EPOC, which will help them in research and use of it in different applications.

Dr. Suhas S. Gajre

Coordinator



**Inauguration Function: Chief Guest Dr. L. M. Waghmare, Director of our Institute,
Workshop Coordinator Dr. Suhas Gajare, Expert Mr. Shashank Birajdar**



Felicitation of Dr. L. M. Waghmare, Director of our Institute by Dr. R. R. Mantahlkar



Felicitation of Mr. Shashank Birajdar by Dr. R. R. Mantahlkar



Lectures Delivered by Mr. Shashank Birajdar



EEG Acquisition using Emotive EPOC device



Projector output displaying Real time Result of EEG Acquisition