Utility of graphical representation of EEG data and colour-maps are now well established. Research on localisation and activity in neuronal pathway are also progressing. The EEG data could be visualized simultaneously as colour-maps and as connected neuronal pathways simultaneously as a movie on a GUI for diagnosis and understanding of the brain activity. The colour-maps are generally constructed using ICA. In this paper, the same is constructed using a compressed sensing technique. A GUI with the connected graph and magnitudes are also generated from EEG.

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Index Terms

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EEG compressed sensing  colour map  connectivity  GUI