

Deepak D. Kapgate

He is working as Assistant Professor Abha Gaikwad college of Engineering, Nagpur. He ***developed an Optimized Brain Computer Interface to assist people with neurological disorders.*** When his younger brother gets suffered from accidental brain haemorrhage. This incident made his brother completely dependent on family members for his daily life activities. Similarly, patients other neurological disorders like Amyotrophic Lateral Sclerosis (ALS), cerebral palsy, Parkinson's disease, epilepsy and so on makes patient bound to wheelchair and require support for day to day activities including wearing cloths, eating food and working. In developing countries like India cost of treatment for neurological diseases are too high for middle income families.

This forced him to research and develops a low-cost human intentions based system that helps patients with their daily life activities thereby improving their life quality. He developed Electroencephalogram (EEG) based brain computer interface (BCI) systems for assisting disable as well as healthy humans by mapping individual cortical activity into directive commands in professional and daily tasks like controlling external devices, mobility and so on.

He has been awarded with **“Best Researcher of the Year”** Award in 4th International Conclave in interdisciplinary research for sustainable development 2019. He has 55 International publications. He has organized many workshops and conferences as key person and is editorial member in several journals.

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