BMS
Institute of Technology and Management
Avalahalli, Doddaballapur Main Road, Bengaluru – 560064
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Top 4 Projects for the Academic Years 2019-20

Sl.No	Project Title	Guide	Students Name	Brief Description
1	A communication aid for people with motor disabilities	Dr. Thippeswamy G	1. AISHWARYA C 1BY16CS002 2. BIBHU RANJAN 1BY16CS019 3. DRISHTI RAMESH MEGALMANI 1BY16CS031 4. IYER SAI KRISHNAN 1BY16CS037	Motor neuron diseases like ALS (Amyotrophic lateral sclerosis) are a form of progressive, fatal, neurodegenerative disease caused by the degeneration of motor neurons, which affects the control of the muscles needed to move, speak, eat and breathe. A Brain-Computer Interface (BCI) is a communication system that does not require any peripheral muscular activity. Therefore, it enables a subject to send commands to an electronic device only by means of brain activity.
2	Pothole Detection System	Dr. Hemamalini B.H	1. AKSHAY PADESUR 1BY16CS006 2. ATISH SHET 1BY16CS016 3. MANOJ KUMAR 1BY16CS111	In this project the intention is to make a "Pothole Detection & Mapping System". It assists the concerned authorities to find and fix

				potholes faster. An autonomous drone which will be equipped with our Pothole detection system. The system uses technologies such as Deep Learning and Computer vision to detect & map potholes which is then pushed to concerned authorities & updated on opensource maps for the general public aswell.
3.	Study on Feasibility and Implementation of Brain Computer Interface for Home Automation	Dr. Bharathi M A	1. RIDWAN UL HAQ 1BY16CS069 2. BASHAR PARVEZ 1BY16CS100 3. PRATYUSH 1BY16CS104 4. SABREESH BHATT 1BY16CS073	This interface system is especially useful for severely disabled or locked-in individual with no reliable muscular control over their body parts to interact with surrounded peripherals!
4.	Prediction Of Yield And Price Forecasting For Indian Based Crops Using Machine Learning	Mrs. Srivani P	1. DIVYA S 1BY16CS029 2. AISHWARYA H 1BY16CS003 3. DIVYA Y M 1BY16CS030 4. MEDHINI P 1BY16CS049	Though many algorithms exist this project would ease the farmers to use the platform better than many such existing ones