



***Two day's workshop on
Machine Learning and Deep Learning with MATLAB
On 5th & 6th November 2019 @CAET, Godhra***

In a bid to provide in sight in to virtual instruments and technical computing, widely used for industry academics and research, department of Basic Engineering and Applied Sciences(BEAS) had conducted two day's workshop (on 5th and 6th November 2019) to introduce PG students about the technical software platform "***Machine Learning and Deep Learning with MATLAB***". The workshop served as the culmination of "Connecting the basic studies done by the students and practically observing them by simulating them" and also the advantages of using this software platform which are very helpful for them in future to implement their innovative ideas.

At 9.30 A.M on 5th November 2019, the inaugural session was presided by Dr.R.Subbaiah, Principal and Dean,CAET,Godhra. Er.J.Sravankumar, Asst. Professor and workshop coordinator, introduced the aim and applications of this workshop to the participants. Inaugural session started with the welcome address by Er.Kapil Mandloi, Head of the department, BEAS Dept., followed by the address of Dr.R.Subbaiah, Principal and Dean, CAET, Godhra. The Dean highlighted the importance of virtual computing software platforms, and also motivated and oriented the participants towards this workshop. After inaugural session, with time schedule from 9:30 Hrs to 17:00 Hrs with a 30 to 40-minute lunch break, technical sessions in forenoon and hands on sessions as post lunch sessions were engaged on 5th & 6th November 2019.

All sessions were led by the expert from Mr.Suraj Gawande, Application Engineer(Technical Training), Design Tech Systems Limited, Pune.

Broad Agenda of the workshop

1. Introduction to MATLAB and various tool boxes
2. Walkthrough of classification workflows (Ex: -Training variety of data using apps)
3. Classification using neural nets and compare
4. Deep Learning with image data (Ex: - Model development, Pre-trained network, Transfer Learning etc.,).

Throughout the workshop, student participants were very keen to learn the new computing software and are enthusiastic to interact with the expert/resource person.

For the entire workshop, infrastructural (physical and technical) support was provided by Dept. of BEAS, Renewable Energy Engineering, Soil & Water Conservation Engineering and CAET, Hostels.

On 6th November 2019, workshop ended with the valedictory session during which PG students gave their feedback. They expressed that the workshop really benefitted them and the exposure they got will really help them to undertake modelling projects in different specializations of agricultural engineering. They also mentioned that the training will be useful to them in analyzing the data of their research work. Er.J. Sravankumar, Asst. Professor, BEAS & Program coordinator proposed vote of thanks to all concerned.



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GLIMPSES OF WORKSHOP





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