VAC Name: MATLAB & SCI Lab Applications in Engineering (ET-VA-14)

VALUE ADDED COURSES

SESSION : 2018-19

COURSE NAME: MATLAB & SCI LAB APPLICATIONS IN ENGINEERING
COURSE CODE: ET-VA-14

1. **BROCHURE**

A VALUE ADDED COURSE
ON
MATLAB AND SCILAB APPLICATIONS IN ENGINEERING

FOR REGISTRATION CONTACT

FACULTY COORDINATOR:

ER. BHAVYA BANSAL

Asst. Prof. EEE Deptt.
SITE

Subharti Institute of Technology and Engineering
Swami Vivekanand Subharti University, Meerut
(Approved by AICTE)
Subhartipuram, NH-58 Delhi-Haridwar Bypass Road, Meerut-250005 (U.P.)
Ph.: 0121-2439157, Ext. 2222, 2221, Fax: 0121-2439108
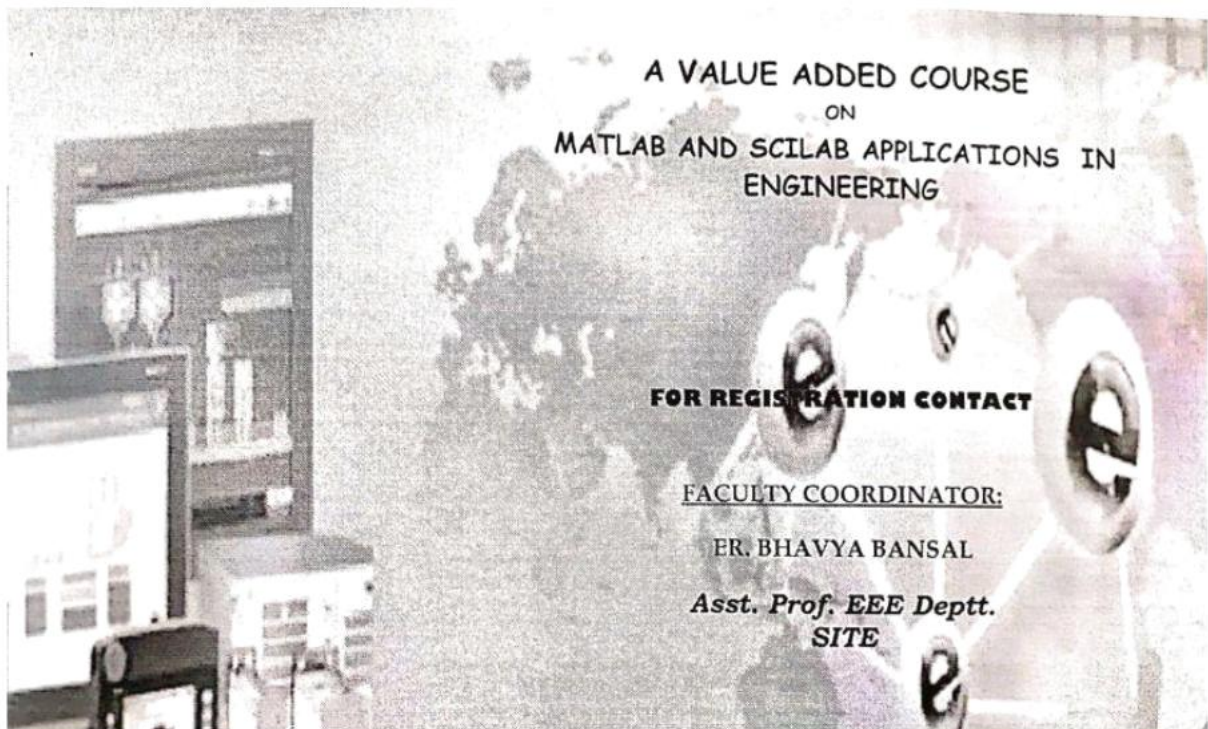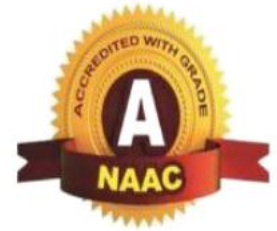E-mail:principal.site@gmail.com,principal.engg@gmail.com, Website: www.subharti.org

PREAMBLE

Stiff competition, higher quality standards and growing concerns of safety &environmental damage have pushed the Industrial sector to adapt state-of-the-art MATLAB. MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include:

- Math and computation
- Algorithm development
- Modelling, simulation, and prototyping
- Data analysis, exploration, and visualization
- Scientific and engineering graphics
- Application development, including Graphical User Interface building

COURSE OBJECTIVE

1. To make the students to understand the basics of MATLAB and SCILAB.
2. To understand all the basic concept of MATLAB and SCILAB.
3. To make the students understand MATLAB functions.
4. To provide knowledge levels needed for MATLAB programming and operating.
5. To make the students understand various types of Projects based on MATLAB .

COURSE CONTENT

1. Introduction of MATLAB
2. Basic procedure for MATLAB Programming
3. MATLAB application in control system1
4. MATLAB application in Control system 2
5. Introduction of SCILAB
6. MATLAB application in Power system and machine

COURSE DURATION

30 Hours

Report

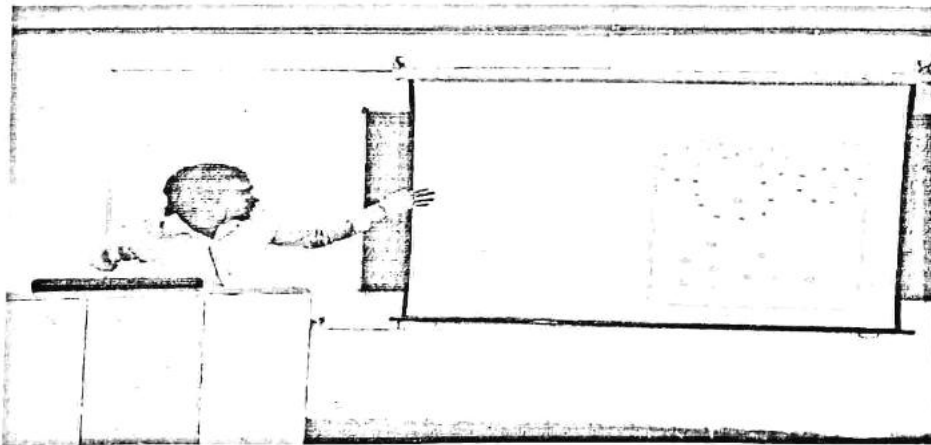### "MATLAB and SCILAB Applications in Engineering"

At

Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University

15.10.2018 to 26.11.2018

Organized "MATLAB and SCILAB Applications in Engineering" at Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University.

OUTCOME:

In this value added course sixteen students of EEE branch were participated. The mail objective of this value added course is to develop technical skill on the simulation through the Electrical simulation module in MATLAB and SCILAB. The MATLAB and SCILAB are the one of the best electrical simulation software which are used to obtain the simulation result of any circuits and power system problem like load flow analysis, power flow analysis, fault analysis and stability analysis. There are different fault and load flow analysis have been done in this value added course program. The students those who have attended the program got benefit of this simulation.

Registrar
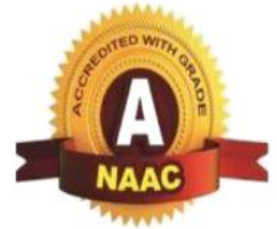Swami Vivekanand
Subharti University
MEERUT

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COURSE CODE: ET-VA-14

LIST OF STUDENTS

S.NO.	ENROLLMENT NO.	NAME OF STUDENTS
	LIST OF CANDIDATES PARTICIPATED IN VALUE ADDED COURSE	
1.	1701010001368	VIPUL MALIK
2.	1701010000213	SHEIKH RIZWAN AHMAD
3.	1701010001367	NISHANT KUMAR
4.	1701000002251	AADESH KUMAR
5.	1801000020694	NISHIKA KARDAM
6.	1801000020693	PRASHANT CHOUDHARY
7.	1501010001360	HAIDER ALI
8.	1501010001363	MANISH KUMAR
9.	1601018800214	ANUJ KUMAR JAYANT
10.	1601018800366	SHOBHIT GARG
11.	9916010100189	ABHISHEK DESAI
12.	9916010101259	NISHANT KUMAR
13.	9917010101366	MANASH SARKAR
14.	1501010001360	HAIDER ALI
15.	1601010001392	VIKAS SAINI
16.	1601010000228	AVNISH KUMAR

Value Added Course

SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT
(To be collected in Duplicates)
(Attendance sheet must be prepared Room-wise & code wise in Duplicate)

Different sheet are to be used for Different codes

Name of Centre of Exam ...... SITE ...... Date. 15/10/18 ...... Day. Monday ......

Examination ...... B.TECH ...... Room no. ...... 405 ...... Course ...... Value Added Course

Subject ...... BASICS of MATLAB ...... Subject Code. EEE VAC-01 Time ...... 2:00-3:00 PM

I promise that I shall not use unfair means & I swear an oath that I have nothing in possession, which may render me liable for a case of unfair means.

FACULTY   STUDENTS

S. No.	ENROLL. No.	Full Signature of the Candidate in English	S. No.	ENROLL. No.	Full Signature of the Candidate in English
1.	Dr. SANJIV Kr.	KE	21.	160108800366	Shobhit Garg.
2.	Er. Ravi Agarwal	Ravi	22.	15010001361	Ashish Kumar
3.	Er. Bhavya Bansal	Bhavya Bansal	23.	1601010000392	Vikas Saini
4.	Er. Vinay Sharma	Vinay Sharma	24.	99170101366	Monash Sarkar
5.	Er. P.K. Kaushal		25.	Lateral	Nishika Kasdam
6.	Er. Pankaj Gautam		26.	Lateral	Nishant Mehra
7.			27.	Lateral	Prakash Pandey
8.			28.	Lateral	Prashant
9.			29.	170101002251	Aadesh Kumar
10.			30.	Lateral	Vishal Kumar
11.			31.	170101000213	Rft.
12.			32.	C19160101000189	Abhishek-Desai
13.			33.	99160101001299	Nishant-Kumar
14.			34.	160108800214	
15.			35.	1f0101001363	M
16.			36.	160108800366	Shobit
17.			37.	15010100001360	Haider AC
18.			38.		
19.			39.		
20.			40.		

Registrar
Swami Vivekanand
Subharti University
MEERUT

Feedback

For the value added course conducted on the topic "MATLAB and SCILAB Applications in Engineering" by **department of Electrical and Electronics Engineering, Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University** From 15.10.2018 to 26.11.2018

1 - Did the training program meet your expectations?

   a. Yes ✓   b. No

2. Did the training program was interactive and informative?

   a. Yes ✓   b. No

3. Did the session help you in enhancing knowledge about Improving Employability Outcomes?

   a. Yes ✓   b. No   c. a little

4. How was your experience in the 30 hours of training Programme Advanced applications of MATLAB and SCILAB in Electrical Engineering

   a. Excellent   b.Good ✓   c. Average   d. Fair

5. Do you have any other comment/suggestion to help make the future training better?

   Good.

Feedback

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5. Do you have any other comment/suggestion to help make the future training better?

more practical need