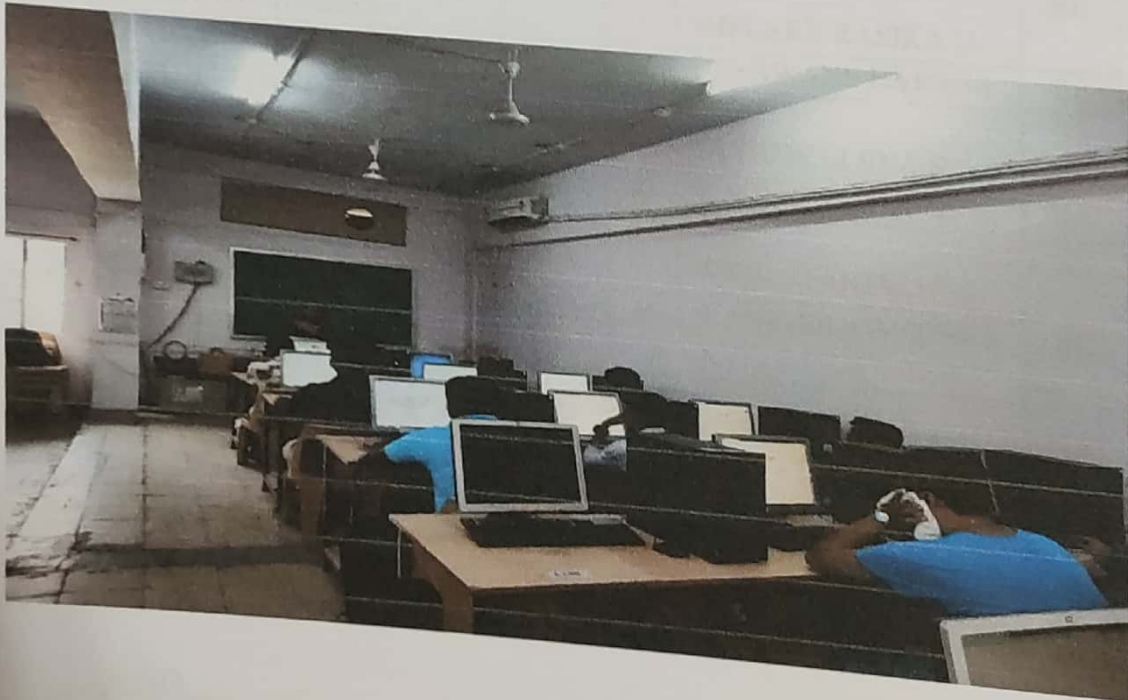


KCES's College of Engineering & IT Jalgaon  
Activity Report

Name of The Activity : Add on Certificate Programme on Report Writing using Latex			
Date:	09/08/2018 to 14/08/2018	Participants profile:	35 Students from SE, TE, and BE
Objective for conducting activity	➤ The workshop is conducted to provide training on Latex Utility software.		
Methodology	➤ Workshop is conducted by Ms. Harsha V. Talele and Ms. Pooja V. Naval by using ICT tools and hands on Training in Lab Session.		
Out Come	➤ The workshop focused on comprehensive topic discussions on LATEX concepts. ➤ The session included introduction to various features of LATEX with some advanced topics that will help to write our academic material		

Photo:



*M. N. K.*  
IQAC co-ordinator



*M. N. K.*  
Principal  
PRINCIPAL  
K.C.E. SOCIETY'S  
COLLEGE OF ENGG. & INFO  
TECHNOLOGY, JALGAON

**KCES's College of Engineering & IT Jalgaon**  
**Activity Report**

**List of Students Present for the Add on Certificate Programme**

**NAME OF PROGRAMME:-** Report Writing using Latex

**DATE:-** 9<sup>th</sup> Aug 2018 to 14<sup>th</sup> Aug 2018

Sr. No.	Name of Participants	Class	Sr. No.	Name of Participants	Class
1	DUHITA SUHAS NEVE	SE	21	PATIL SHRADDHA S.	BE
2	ARSHEEN R. SHIRPURKAR	SE	22	SUTAR YAMINI U.	BE
3	ANAM MOHD IQBAL	SE	23	CHAUDHARI ARUNA	BE
4	MITALI PRAVIN PAGARIYA	SE	24	CHAUDHARI NEHA	BE
5	AKSHADA NILESH BADGUJAR	SE	25	CHAUDHARI RAJNANDINI	BE
6	MAHIMA B. MODHAWALA	SE	26	KALE JITESHRI S.	BE
7	CHIKNE PRATHAMESH GANESH	TE	27	PATIL PRATIKSHA S.	BE
8	GURAV NEHA AJAY	TE	28	PATIL ROHINI N.	BE
9	MAHAJAN RAJASHRI NAMDEO	TE	29	PATIL SWATI Y.	BE
10	MARUMARDANE RAKSHADA KAILAS	TE	30	SHELAKE RASIKA D.	BE
11	PATIL VAISHNAVI ASHOK	TE	31	SONAWANE HARSHA	BE
12	PATIL PRIYANKA SAHEBRAO	TE	32	TAYADE LEENA S.	BE
13	PINJARI YASMIN BABULAL	TE	33	WAGH GAURAV S.	BE
14	SARASWAT HARSHITA MAHAVIR	TE	34	WANI PRANJALI S.	BE
15	THAKUR SAYALI JAGADISH	TE	35	WANKHEDE MONALI S.	BE
16	VANDOLE TEJAL MANOJ	TE			
17	WAGHODE PRIYANKA SHRIKRISHNA	TE			
18	CHAUDHARI YUVRAJ A.	BE			
19	KALE BHAVANA S.	BE			
20	NARKHEDE NEHA B.	BE			

**HOD**

*Minal T. Kolhe*

Mrs. Minal T. Kolhe

**Coordinator**

Ms. Harsha V. Talele *H*

Ms. Pooja V. Naval *PV*

**KCES's College of Engineering & IT Jalgaon**  
**Activity Report**

**Attendance for Report Writing using Latex**

Sr. No.	Name of Participants	Class	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	DUHITA SUHAS NEVE	SE	P	P	P	P	P	P
2	ARSHEEN RAHIM SHIRPURKAR	SE	P	P	P	P	P	P
3	ANAM MOHD IQBAL	SE	P	P	P	P	P	P
4	MITALI PRAVIN PAGARIYA	SE	P	P	P	P	P	P
5	AKSHADA NILESH BADGUJAR	SE	A	P	P	P	P	P
6	MAHIMA B. MODHAWALA	SE	P	P	P	P	P	P
7	CHIKNE PRATHAMESH GANESH	TE	P	P	A	P	P	P
8	GURAV NEHA AJAY	TE	P	P	P	P	P	P
9	MAHAJAN RAJASHRI NAMDEO	TE	P	P	P	P	P	A
10	MARUMARDANE RAKSHADA KAILAS	TE	P	P	P	P	P	P
11	PATIL VAISHNAVI ASHOK	TE	A	P	P	P	P	P
12	PATIL PRIYANKA SAHEBRAO	TE	P	P	P	P	P	P
13	PINJARI YASMIN BABULAL	TE	P	P	A	P	P	P
14	SARASWAT HARSHITA MAHAVIR	TE	P	P	P	P	P	P
15	THAKUR SAYALI JAGADISH	TE	P	P	P	P	P	P

**KCES's College of Engineering & IT Jalgaon**  
**Activity Report**

16	VANDOLE TEJAL MANOJ	TE	P	P	P	P	P	A
17	WAGHODE PRIYANKA SHRIKRISHNA	TE	P	P	P	P	P	P
18	CHAUDHARI YUVRAJ A.	BE	P	P	A	A	P	P
19	KALE BHAVANA S.	BE	P	P	P	P	P	P
20	NARKHEDE NEHA B.	BE	P	P	P	P	P	P
21	PATIL SHRADDHA S.	BE	P	A	P	P	P	P
22	SUTAR YAMINI U.	BE	P	P	P	P	P	P
23	CHAUDHARI ARUNA S.	BE	P	P	P	A	P	P
24	CHAUDHARI NEHA	BE	P	P	P	P	P	P
25	CHAUDHARI RAJNANDINI	BE	P	P	P	P	P	P
26	KALE JITESHRI S.	BE	P	P	P	P	P	P
27	PATIL PRATIKSHA S.	BE	P	P	P	P	P	P
28	PATIL ROHINI N.	BE	P	P	A	P	P	P
29	PATIL SWATI Y.	BE	P	P	P	A	P	P
30	SHELAKHE RASIKA D.	BE	P	P	P	P	P	P
31	SONAWANE HARSHA	BE	P	P	P	P	P	P
32	TAYADE LEENA S.	BE	A	A	P	P	P	P
33	WAGH GAURAV S.	BE	P	P	P	P	P	A
34	WANI PRANJALI S.	BE	P	P	P	P	P	P
35	WANKHEDE MONALI S.	BE	P	P	P	P	P	P

*Minal*  
**HOD**

Mrs. Minal T. Kolhe

**Coordinator**

Ms. Harsha V. Talele *HT*

Ms. Pooja V. Naval *PJS*

K.C.E. SOCIETY'S  
**COLLEGE OF ENGINEERING & I.T. JALGAON - 425001**  
 DEPARTMENT OF COMPUTER ENGINEERING & IT

Academic Year 2018-2019

**Report Writing using LaTeX**  
 Course Contents Schedule

DAY AND DATE	SESSION 1	BREAK	SESSION 2	SESSION 3
Thursday 09/08/2018	(09:00AM to 11:30 AM) Introduction to LaTeX	(11:30 AM to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Report Writing in LaTeX	(01:30 to 03:30 PM) <b>Practical Session</b> Installing MikTeX on Windows, Configuring MikTeX to download missing packages
Friday 10/08/2018	(09:00AM to 11:30 AM) Letter Writing in LaTeX	(11:30 AM to 12:30 PM) LUNCH BREAK	(12:30PM to 01:30 PM) Mathematical Typesetting in LaTeX	(01:30 to 03:30 PM) <b>Practical Session</b> Creating alpha, beta, gamma and delta. Creating spaces in mathematical formulae Matrices of different rows and columns
Saturday	(09:00AM to 11:30 AM)	(11:30 AM to 12:30)	(12:30PM to 01:30 PM)	(01:30 to 03:30 PM)

<b>11/08/2018</b>			<b>PM</b> <b>LUNCH BREAK</b>	Numbering Equations	<b>Practical Session</b> Creating an equation, Writing multiple equations . learning from ltx-primer.pdf
<b>Sunday</b> <b>12/08/2018</b>	(09:00AM to 11:30 AM) Tables and Figures in LaTeX	(11:30 AM to 12:30 PM) <b>LUNCH BREAK</b>	(12:30PM to 01:30 PM) Beamer and Bibliography in LaTeX	<b>Practical Session</b> Creating Presentation using Beamer	
<b>Monday</b> <b>13/08/2018</b>	(09:00AM to 11:30 AM) Feedback diagram with Maths	(11:30 AM to 12:30 PM) <b>LUNCH BREAK</b>	(12:30 PM to 01:30 PM) newcommand in LaTeX introduction to environment?	(01:30 to 03:30 PM) <b>Practical Session</b> Different types of commands with examples, Defining environments with parameters	
<b>Tuesday</b> <b>14/08/2018</b>	(09:00AM to 11:30 AM) Writing Style Files in LaTeX	(11:30 AM to 12:30 PM) <b>LUNCH BREAK</b>	(12:30 PM to 01:30 PM) Indic Language Typesetting in LaTeX	(01:30 to 03:30 PM) <b>GROUP DISCUSSION</b>	

# KCES's College of Engineering and Information Technology , Jalgaon

## Certificate Course on Report Writing using LaTeX

### Day 1

#### **Introduction to LaTeX on Windows using TeXworks**

Installing MikTeX on Windows

Writing basic LaTeX document using TeXworks editor

Configuring MikTeX to download missing packages

#### **Report Writing**

report style having chapter, section and subsection

article style having section, subsection and subsubsection

Automatic generation of table of contents toc

file to store the information that goes into the table of contents

Automatic numbering of section numbers

Appendix; its appearance in report and article style

exiting from LaTeX when a compilation error occurs

### Day 2

#### **Letter Writing**

Letter document class

From address

Automatic generation and format of date

Starting a new line with double slash

To address

Starting a new paragraph with a blank line

itemize environment for bullet points

enumerate environment for numbered points

Closing statement

Signature

Carbon copy

#### **Mathematical Typesetting**

\$ sign to begin and end mathematical expressions

Creating alpha, beta, gamma and delta

Space being used as a terminator of symbols

Creating spaces in mathematical formulae

Difference in font of text and formula

Difference in the minus sign in text and in formula

frac command to create fractions

Subscripts and superscripts

Use of braces {} to demarcate arguments

Not equal to, greater than or equal to, less than or equal to, much less than

Right arrow, left arrow, left right arrow, up arrow

Integral sign, limits of an integral

Matrices of different rows and columns

### Day 3

#### Equations

Creating an equation

Writing multiple equations

Aligning multiple equations

amsmath package

\$ mode

align environment

intertext command

Unnumbered align\* environment

Creating matrices in LaTeX

label command

Cross referencing with ref command

Leslie Lamport's book

#### Numbering Equations

amsmath

numbering equations

align environment

nonumber command

labelling equations with the label command

cross referencing equations with the ref command

case dependence of variables in label command

taking help from stackexchange

learning from ltx-primer.pdf

typing if-else with cases command



## Day 4

### Tables and Figures

Creating tables and figures in LaTeX

### Beamer

Creating a presentation using Beamer

### Bibliography

Creating Bibliography in LaTeX

## Day 5

### Feedback diagram with Maths

Open the .fig file saved in the feedback control tutorial

Put  $\dot{S}G(z) = \frac{z}{z-1}$  in the second block diagram

Choose the special flag

Save and export it as combined tex and pdf

Show that if "special" is not chosen, we get only text

Change /frac into /dfrac

Show that at the time of compilation, dfrac unknown error

Include `\usepackage{amsmath}` in the tex file

Recompile it and show that the equation is now coming properly

Use pdfcrop to trim the pdf file, mention Briss

### **newcommand in LaTeX**

What is a command?

Different types of commands with examples

Defining a new command

Defining short commands for long repeated input.

Commands with parameter

Passing parameters to the commands defined

Renewcommand

Redefining the existing commands to the required output

### **What is an environment?**

Defining a new environment

Defining environments with parameters

Renewenvironment

Redefining an existing environment to the required output

## Day 6

### **Writing Style Files in LaTeX**

About LaTeX Styles files.

Writing a Style file for LaTeX.

Importing a Style file in LaTeX.

Defining a standard Style file for LaTeX.

newcommand in LaTeX.newenvironment in LaTeX.

RequirePackage command in LaTeX.

usepackage command in LaTeX.

Style file identification.

Preliminary declarations of a Style file.

NeedsTeXFormat.

ProvidesPackage.

### **Indic Language Typesetting in LaTeX**

Typeset a document in Indic language using XeLaTeX.

Indic language fonts bundle.

Installing Indic language Fonts.

Installing Nirmala UI Fonts.XeLaTeX Compiler.

Using Fontspec package.

Using Polyglossia package.

Select language command.

Set default language in LaTeX.

Set other language in LaTeX.

K.C.E. SOCIETY'S  
COLLEGE OF ENGINEERING & I.T. JALGAON - 425001  
DEPARTMENT OF COMPUTER ENGINEERING & IT

Academic Year 2018-19

Date: 01/08/2018

## NOTICE

Computer Engineering department is organizing six Days Workshop on "Report Writing using Latex" from 9<sup>th</sup> August to 14<sup>th</sup> August, 2018. The workshop is open for all the students of the Computer Department. The participants would be issued certificate on successful completion of the workshop. The attendance on all six days would be compulsory for the participants to get the certificate. Interested candidates can be register to this workshop.

**Coordinator**

Prof. Harsha V. Talele

Prof. Puja V. Naval

*Minal*  
HOD

Prof. Minal T. Kolhe

**Department of Computer Engineering**  
**KCES's College of Engineering and IT, Jalgaon**



**Organising**

**"Certificate Course"**

**On**

**Report Writing using LaTeX**

**09/08/2018 to**  
**14/08/2018**

**Coordinators**  
**Ms. Harsha V. Talele**  
**Ms. Pooja V. Naval**

**Prof. M. T. Kolhe**  
**Head, Computer Department**  
**Mob. No. 073877 00474**

**Dr. K. P. Rane**  
**Principal**  
**KCES's COEIT Jalgaon**

Note: For registration and further detail contact to Coordinator



Khandesh College Education Society's

# COLLEGE OF ENGINEERING AND IT, JALGAON

Affiliated to Dr. Babasaheb Ambedkar Technological University, Maharashtra & KBC North Maharashtra University Jalgaon

Approved By AICTE, New Delhi. | MSBTE

## Department Of Computer Engineering

# Certificate

This is to Certify that Akshada Nilesh Badgjar  
of **SE / TE / BE Computer** has successfully participated & completed the  
**Certificate courses/Add-on course / Value-added course**  
on Report Writing using Latex organised during 09/08/2018  
to 14/08/2018.

*Murali*  
HOD

Computer Department

Principal  
KCES's COET, Jalgaon



**Khandesh College Education Society's**  
**COLLEGE OF ENGINEERING AND IT, JALGAON**

Affiliated to Dr. Babasaheb Ambedkar Technological University, Maharashtra & KBC North Maharashtra University Jalgaon  
Approved By AICTE, New Delhi. | MSBTE

**Department Of Computer Engineering**

*Certificate*

This is to Certify that Dubita Subas Nive  
of **SE / TE / BE Computer** has successfully participated & completed the  
**Certificate courses/Add-on course / Value-added course**  
on Repost Writing using Latex organised during 09/08/2018  
to 14/08/2018.

*Mirav*  
HOD

Computer Department

Principal  
KCES's COEIT, Jalgaon