



Keral Verma Faculty of Sciences  
Department of Mathematics

VALUE ADDED COURSE

**LATEX**  
VAC-Math-102

2016-2017

<b>OBJECTIVE</b>	<ul style="list-style-type: none"><li>The purpose of this course is to acquaint students with the latest typesetting skills, which shall enable them to prepare high quality typesetting, beamer presentation and webpages.</li></ul>
<b>DURATION</b>	<ul style="list-style-type: none"><li>01-06 FEBRAURY 2017</li></ul>
<b>VENUE</b>	<ul style="list-style-type: none"><li>DEPARTMENT OF MATHEMATICS, KERAL VERMA FACULTY OF SCIENCES</li></ul>

Course convener  
Dr. Jitendra Kumar  
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Coordinator  
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## SYLLABUS

Name of Value Added Course: **LATEX**

Course Code: **VAC-Math-102**

Time: **30hrs**

**Course Objectives:** The purpose of this course is to acquaint students with the latest typesetting skills, which shall enable them to prepare high quality typesetting, beamer presentation and webpages.

### **Unit 1: Getting Started with LaTeX**

Introduction to TeX and LaTeX, Typesetting a simple document, Adding basic information to a document, Environments, Footnotes, Sectioning and displayed material.

### **Unit 2: Mathematical Typesetting with LaTeX**

Accents and symbols, Mathematical Typesetting (Elementary and Advanced): Subscript/Superscript, Fractions, Roots, Ellipsis, Mathematical Symbols, Arrays, Delimiters, Multiline formulas, Spacing and changing style in math mode.

### **Unit 3: Graphics and Beamer Presentation in LaTeX**

Graphics in LaTeX, Simple pictures using PS Tricks, Plotting of functions, Beamer presentation.

**Course Learning Outcomes:** After studying this course the student will be able to:

1. Typeset mathematical formulas, use nested list, tabular & array environments.
2. Create or import graphics.

### **References:**

1. Bindner, Donald & Erickson, Martin. (2011). *A Student's Guide to the Study, Practice, and Tools of Modern Mathematics*. CRC Press, Taylor & Francis Group, LLC.
2. Lamport, Leslie (1994). *LaTeX: A Document Preparation System, User's Guide and Reference Manual* (2nd ed.). Pearson Education. Indian Reprint.



Registrar  
Swami Vivekanand  
Subharti University  
MEERUT





**Department of Mathematics**  
**Keral Verma Faculty of Science**  
**SWAMI VIVEKANAND SUBHARTI UNIVERSITY**

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(i) of UGC Act 1956)  
Ph: 0121-2439578, 2439052, 3058031, 3056032, Telefax: 0121

**Session: 2016-17**

**Report on Value Added Course**

A one week value added course on LATEX was conducted in the department for UG students. The course starts on 01-02-2017 and 48 students registered themselves in the course. The sessions were handled by course co-ordinators Dr. Jitendra Kumar & Dr. Sunil Kumar, for improving skills of the students. The course was completed on 06-02-2017 and all the 48 students registered successfully completed the course. Students felt that the course was very much helpful and they got the basic knowledge on Latex.

*A. Kumar*  
HOD

Department of Mathematics

  
Registrar  
Swami Vivekanand  
Subharti University  
MEERUT

## List of Students completed VAC

Name of Value-Added Course: **Latex**

Course Code: **VAC-M-102**

S. No.	Enrollment No.	Name of Students
1	1606020002274	AAYUSHI SINGH
2	1606020002298	KM VAISHALI
3	1606020002308	KM. MEGHA DEVI
4	1606020002310	MONIKA
5	1606020002311	NEELAM YADAV
6	1606020002318	PRIYA SAGAR
7	1606020002319	PRIYANKA VERMA
8	1606020002321	RAHUL VERMA
9	1606020002329	SHEETAL CHAUDHARY
10	1606020002338	TRIPTI CHAUHAN
11	1606010002085	DEEPAK KUMAR
12	1606010002089	GAURAV
13	1606010002092	HARSHITA
14	1606010002093	HARSHITA POONIA
15	1606010002100	JAIVEER SINGH
16	1606010002105	KM MONIKA SHARMA
17	1606010002109	KM. MAMTA NEGI
18	1606010002110	KM. MANSI
19	1606010002112	KM. SAKSHI SHARMA
20	1606010002116	LAVI KUMAR
21	1606010002129	MUSKAN ANAND
22	1606010002140	RITIKA ARORA
23	1606010002146	SHARDUL SINGH
24	1606010002154	SHUBHAM KUMAR
25	1606010002160	SONU KUMAR
26	1606010002161	STUTI AGARWAL
27	1606010002165	VAIBHAV
28	1606010001819	ABHILASHA CHAUHAN
29	1606010001869	DEEPIKA SIROHI
30	1606010001870	DEEPTI MANDAL
31	1606010002009	SACHIN KUMAR
32	1606010002017	SHAHIR HUSSAIN
33	1606010001889	INDERJEET SHARMA
34	1606010001892	ISKAND JAISWAL
35	1606010001896	JUNED
36	1606010001898	KAJAL
37	1606010001911	KM SHIVANI SHARMA
38	1606010001916	KM. RANU
39	1606010001837	AMAR JEET SINGH
40	1606010001838	AMIT CHAUHAN
41	1606010001841	ANKIT KUMAR ADHANA
42	1606010001845	ANNU KAMBOJ
43	1606010001847	ANUJ KUMAR MAVI
44	1606010001851	ANURAG MALIK

45	1606010001854	ARPIT SAINI
46	1606010001944	MOHD TALIB
47	1606010001946	MOHD. SHAHBAZ
48	1606010001950	MOHIT YADAV

*Kumar*

**[Dr. Jitendra Kumar]**  
Officiating HOD Mathematics

  
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