

**KANDULA SRINIVASA REDDY MEMORIAL COLLEGE OF ENGINEERING
(AUTONOMOUS)**

KADAPA-516003. AP

(Approved by AICTE, Affiliated to JNTUA, Ananthapuramu, Accredited by NAAC)

(An ISO 9001-2008 Certified Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



VALUE ADDED COURSE

ON

“INTRODUCTION TO LATEX”

Resource Person : Mr. T.Naresh, Assistant Professor, Dept. of EEE, KSRMCE

Course Coordinator: Dr. C.Kumar Reddy, Associate Professor, Dept. of EEE, KSRMCE

Duration: 05/09/2023 to 13/09/2023

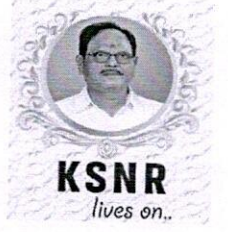


K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

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An ISO 14001:2004 & 9001: 2015 Certified Institution



Lr./KSRMCE/EEE/2023-24/

Date:30-08-2023

To
The Principal,
KSRMCE(A),
Kadapa.

Respected Sir,

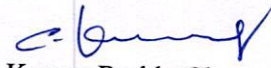
Sub: Permission to Conduct Value added Course on “Introduction to LaTeX”
05/09/2023 to 13/09/2023–Req- Reg.

The Department of Electrical and Electronics Engineering is planning to offer a Value Added Course on “Introduction to LaTeX” to B. Tech students. The course will be conducted from 05/09/2023 to 13/09/2023. In this regard, I kindly request you to grant permission to conduct Value Added Course.

Thanking you sir,

Forwarded to Principal Sir,
D.S. M. Cheepati
30-08-2023

Yours faithfully,


(Dr. Kumar Reddy Cheepati),
Associate Professor,
EEE Department,
KSRMCE(A).

Permitted
U. S. S. M. W. G.
30/08/2023

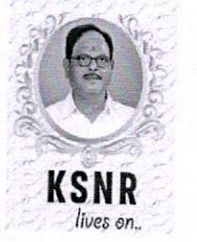


K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

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Cr./KSRMCE/EEE/2023-24/

Date:31/08/2023

Circular

The Department of Electrical and Electronics Engineering is offering a Value Added Course on “**Introduction to LaTeX**” from **05/09/2023** to **13/09/2023** to B. Tech students. In this regard, interested students are requested to register their names for the Value Added Course with Course Coordinator.

For further information, contact Course Coordinator.

Course Coordinator: Dr. Kumar Reddy Cheepati, Associate professor, Dept. of EEE.-
KSRMCE.

Contact No: 7095880565

Dr. S. R. Reddy Cheepati
HOD 31-8-23

Dept. of EEE
HEAD

Department of Electrical &
Electronics Engineering
K.S.R.M. College of Engineering
Kadapa -516003.

Cc to:

IQAC-KSRMCE

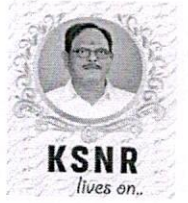


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Date : 04/09/2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGISTRATION FORM

Value Added Course

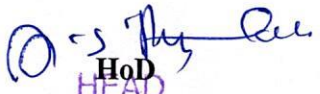
On

“Introduction to LaTeX” From 05/09/2023 to 13/09/2023

S. No	Name of the Student	Roll Number	Branch	Semester	Signature
1.	S. Shashi Kala	209Y1A0244	EEE	7 th	
2.	S. Alisha Sameera	209Y1A0241	EEE	VII	
3.	S. Parvez	209Y1A0245	EEE	7	
4.	Av. Venkateshwararao	219Y5A0202	EEE	VII	
5.	M. Srinidhi	219Y5A0204	EEE	7 th	
6.	S. Sreekanth	209Y1A0238	EEE	7 th	
7.	V. Vinay	209Y1A0251	EEE	VII	
8.	G. Harika	209Y1A0211	EEE	7 th	
9.	K. Likitha	209Y1A0217	EEE	7 th	
10.	B. Chandra Kumar	219Y5A0203	EEE	VII	
11.	K. Mohan Krishna	209Y1A0219	EEE	7	
12.	B. Vaswanta	209Y1A0205	EEE	VII	
13.	A. Gangadhas	209Y1A022	EEE	VII	
14.	B. Neeraja Reddy	209Y1A0204	EEE	VII	
15.	K. Venkata Sai	209Y1A0220	EEE	VII	
16.	V. Jagadeesh	209Y1A0252	EEE	7 th	
17.	P. Ravishankar	209Y1A0233	EEE	VII	

18	S. Yuvaraj	209Y1A0240	EEE	VII	S. Yuvaraj
19	K. Mohammed kaifAli	209Y1A0218	EEE	VII	K. Mohammed kaifAli
20	R. Thiyumala	209Y1A0237	EEE	VII	R. Thiyumala
21	T. pallavi	209Y1A0249	EEE	7	T. Pallavi
22	S. Jaiz Rehman	209Y1A0242	EEE	VII	S. Jaiz
23	Gi. Lingamaiah	209Y1A0212	EEE	7	Gi. Lingamaiah
24	P. Dayananda	209Y1A0232	EEE	VII	P. Dayananda
25	R. Madhu Krishna	209Y1A0236	EEE	7	R. Madhu Krishna


Coordinator


HoD
HEAD
Department of Electrical &
Electronics Engineering
K.S.R.M. College of Engineering
Kadapa -516003.

Syllabus of Value Added Course

Course Name

“Introduction to LaTeX”

From 05.09.2023 to 13.09.2023

Course Objective:

To introduce students with a software that is being widely used for typesetting especially in Mathematics field. To make students know importance of this software for publishing research articles, papers, project reports and books and thereby help them to be comfortable with the software .

Course Outcomes:

The course has been designed for students with little/no programming experience. The major objectives in running this course are,

1. Hone the skill of using high-quality typesetting system, LaTeX for publication of research papers, theses and book chapters.
2. Typesetting of complex mathematical formulae using LaTeX
3. Create Tables, Graphics and Pictures Lists, Arrays and Bibliography by using LaTeX.
4. Create Slides with Beamers and posters.

UNIT-I

Installation of LaTeX

i) Installation of Kile and MikeTeX. ii) Class and packages iii) Latex programming and commands, sample packages iv) Error messages : Some sample errors, list of LaTeX error messages

UNIT-II

Formatting of Output Document

i) Fonts, symbols, indenting, paragraphs, line spacing, word spacing, titles and subtitles ii) Document class, page style, parts of the documents, table of contents iii) Command names and arguments, environments, declarations iv) Theorem like declarations, comments within text

UNIT-III

Mathematical Formulae

i) Mathematical environments, math mode ,mathematical symbols ii) Graphic package, multivalued functions, drawing matrices iii) Tables, tables with captions iv) References to figures and tables in text.

UNIT-IV

Drawing with LaTeX

i) Picture environments, ii) Extended pictures, other drawing packages, iii) Preparing book, project report in LaTeX

Text Books/Reference Books:

Guide to LATEX, fourth edition, Helmut Kopka, Patrick W.Daly

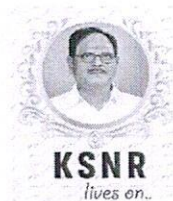


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SCHEDULE

Department of Electrical and Electronics Engineering

Value Added Course

On

“Introduction to LaTeX” From 05.09.2023 to 13.09.2023

Date	Timing	Resource Person	Topic to be Covered
05.09.2023	09.30 PM to 4 PM	T. Naresh	Introduction to LaTeX and Installation of LaTeX
06.09.2023	10 PM to 4 PM	T. Naresh	i) Installation of Kile and MikeTeX. ii) Class and packages iii) Latex programming and commands, sample packages.
07.09.2023	10 PM to 4 PM	T. Naresh	iv) Error messages : Some sample errors, list of LaTeX error messages and Over view of Unit -I
08.09.2023	10 PM to 4 PM	T. Naresh	Formatting of Output Document i) Fonts, symbols, indenting, paragraphs, line spacing, word spacing, titles and subtitles.
09.09.2023	10 PM to 4 PM	T. Naresh	ii) Document class, page style, parts of the documents, table of contents iii) Command names and arguments, environments, declarations, iv) Theorem like declarations, comments within text and Overview of Unit-II
10.09.2023	10 PM to 4 PM	T. Naresh	Mathematical Formulae i) Mathematical environments, math mode ,mathematical symbols ii) Graphic package, multivalued functions, drawing matrices
11.09.2023	10 PM to 4 PM	T. Naresh	iii) Tables, tables with captions iv) References to figures and tables in text , Over view of Unit -III
12.09.2023	10 PM to 4 PM	T. Naresh	Drawing with LaTeX i) Picture environments, ii)Extended pictures, other drawing packages, iii) Preparing book, project report in

			LaTeX
13.09.2023	10 PM to 4 PM	T. Naresh	Over view of Unit -III and Revise the all contents.

M. Joseph
Resource Person(s)


c. bang
Coordinator(s)

D. S. Jay
HEAD
Department of Electrical &
Electronics Engineering
K.S.R.M. College of Engineering
Kadapa -516003.



11	209Y1A0205	B Yeswanth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	209Y1A0220	K Venkata Sai	#	#	#	#	#	#	#	#	#	#
13	209Y1A0233	P Ravi Shankar	R	R	R	R	R	R	R	R	R	R
14	209Y1A0211	G Harika	Hoo	Hoo	Hoo	Hoo	Hoo	Hoo	Hoo	Hoo	Hoo	Hoo
15	209Y1A0237	R Tirumala	R	R	R	R	R	R	R	R	R	R
16	209Y1A0240	S Yuvraj	ym	yme	ym	yme	ym	yme	ym	yme	ym	yme
17	209Y1A0249	T Pallavi	P	P	P	P	P	P	P	P	P	P
18	209Y1A0247	S Shashikala	S	S	S	S	S	S	S	S	S	S
19	209Y1A0212	G Lingamaiah	G	G	G	G	G	G	G	G	G	G
20	209Y1A0232	P Dayananda	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day
21	209Y1A0242	S Faiz Rehman	A	A	A	A	A	A	A	A	A	A
22	209Y1A0204	B Neeraja Reddy	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne	Ne
23	209Y1A0252	V Jagadeesh	Jaga	Jaga	Jaga	Jaga	Jaga	Jaga	Jaga	Jaga	Jaga	Jaga
24	209Y1A0218	K Mohammad Kaif Ali	Moh	Moh	Moh	Moh	Moh	Moh	Moh	Moh	Moh	Moh
25	209Y1A0236	R Madhu Krsihna	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Ad


Coordinator


HoD
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KSRM
COLLEGE OF ENGINEERING

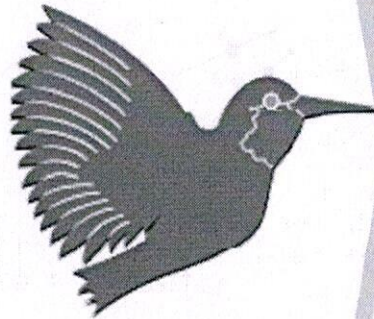
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KSNR
lives on..

WORKSHOP ON INTRODUCTION TO LATEX

A Beginner's
Guide To Learn
LATEX



Department of EEE



SJ 106



05/09/2023
to
13/09/2023

Resource Person

Mr. T.Naresh

Assistant Professor EEE Department

Coordinator

Dr. C. Kumar Reddy

Associate Professor EEE Department

Dr. V.S.S. Murthy
(Principal)

Dr. Kandula Chandra Obul Reddy
(MD, KGI)

Smt. K.Rajeswari
(Correspondent, Secretary, Treasurer)

Sri K. Madan Mohan Reddy
(Vice - Chairman)

Sri K. Raja Mohan Reddy
(Chairman)

[kasmceofficial](#)

www.kasmce.ac.in

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Activity Report of Value Added Course on "Introduction to LaTeX" From 05.09.2023 to 13.09.2023

Target Group	:	B.Tech Students
Details of Participants	:	25 Students
Coordinator	:	Sri T. Naresh
Resource Person	:	Dr. Kumar Reddy Cheepati
Organizing Department	:	Electrical and Electronics Engineering
Venue	:	SJ 105

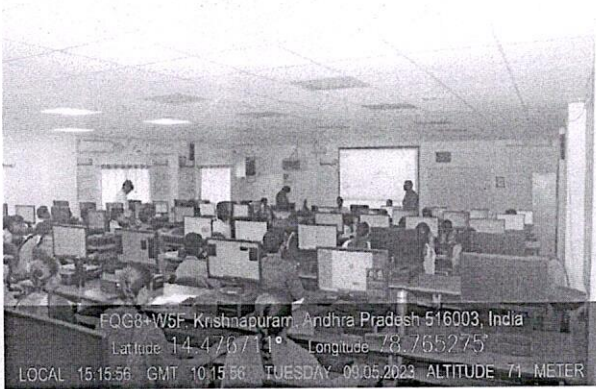
Description:

The Department of Electrical and Electronics Engineering conducted a Value Added Course on "Introduction to LaTeX" from 05th September 2023 to 13th September 2023. The course Resource Persons is Dr. Kumar Reddy Cheepati, Associate Professor Department of Electrical and Electronics Engineering, KSRMCE.

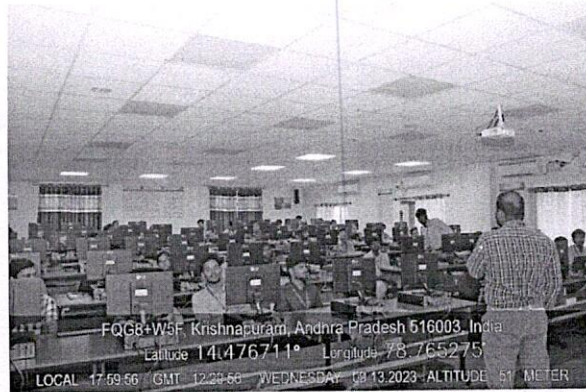
The main objective of this course is to introduce the fundamental concepts of LaTeX and The intention of this course is to guide the students towards Document Preparation and to develop their final year projects.

The students interacted well with resource persons in the day wise course and clarified their doubts. Finally students given good feedback on the workshop and HOD concluded with their remarks.

The pictures taken during the course are given below:



Resource Person Sri T. Naresh, Assistant Professor in EEE Department, giving Keynote Address.



Coordinator Dr. Kumar Reddy Cheepati, Associate Professor in EEE Department, addressing the gathering

C. Naresh
Coordinator

Dr. Kumar Reddy Cheepati
HEAD
Department of Electrical &
Electronics Engineering
K.S.R.M. College of Engineering
Kadapa -516003.

20
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K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VALUE ADDED COURSE ON

"Introduction to LaTeX" FROM 05/09/23 to 13/09/23

ASSESSMENT TEST

Roll Number: 209Y1A0241 Name of the Student: S. Alisha Sameera

Time: 20 Min

(Objective Questions)

Max. Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. What does the command `\document class{article}` do in LaTeX? (a) ✓
a) It sets the document class as an article
b) It creates a new section in the document
c) It sets the font style of the document
d) It creates a new document
2. What is the purpose of the command `\usepackage{graphicx}` in LaTeX? (b) ✓
a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size
3. What does the command `\textbf{ }` do in LaTeX? (d) ✓
a) It creates a new bold section
b) It sets the font size to bold
c) It creates a new paragraph
d) It sets the text to bold
4. What is the purpose of the command `\tableofcontents` in LaTeX? (c) ✓
a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size
5. What does the command `\begin{center}` do in LaTeX? (d) ✓
a) It creates a new center-aligned section
b) It sets the font size to center-aligned
c) It creates a new paragraph
d) It centers the text or content
6. What is the purpose of the command `\newpage` in LaTeX? (c) ✓
a) It creates a new section in the document
b) It sets the page margins
c) It starts a new page
d) It sets the font style of the document
7. What does the command `\footnote{ }` do in LaTeX? (a) ✓
a) It adds a footnote to the bottom of the page
b) It creates a new bold section
c) It creates a new paragraph
d) It sets the text to italic
8. What is the purpose of the command `\maketitle` in LaTeX? (c) ✓
a) It sets the page margins
b) It creates a new section in the document
c) It adds a title to the document
d) It sets the font size
9. What does the command `\emph{ }` do in LaTeX? (d) ✓
a) It creates a new bold section
b) It sets the text to bold
c) It creates a new paragraph
d) It sets the text to emphasize
10. What is the purpose of the command `\pagestyle{ }` in LaTeX? (b) ✓
a) It sets the font style of the document
b) It adds page numbers to the document
c) It sets the page margins
d) It creates a new section in the document
11. What does the command `\section{ }` do in LaTeX? (a) ✓
a) It creates a new section in the document
b) It sets the font size to section level
c) It sets the font style to section level
d) It creates a new paragraph

12. What is the purpose of the command `\label{ }` in LaTeX? (a) ✓

- a) It adds a label to an equation or figure for referencing
b) It creates a new section in the document
c) It sets the font style of the document
d) It adds a label to a section for referencing

13. What does the command `\cite{ }` do in LaTeX? (a) ✓

- a) It adds a citation to a reference list
b) It creates a new section in the document
c) It sets the font style of the document
d) It sets the text to italic

14. What is the purpose of the command `\caption{ }` in LaTeX? (a) ✓

- a) It adds a caption to an equation or figure for referencing
b) It sets the page margins
c) It creates a new section in the document
d) It sets the font style of the document

15. What does the command `\textit{ }` do in LaTeX? (d) ✓

- a) It creates a new italic section
b) It sets the font size to italic
c) It creates a new paragraph
d) It sets the text to italic

16. What is the purpose of the command `\subsection{ }` in LaTeX? (d) ✓

- a) It creates a new subsection in the document
b) It sets the font size to subsection level
c) It sets the font style to subsection level
d) It creates a new paragraph

17. What does the command `\texttt{ }` do in LaTeX? (d) ✓

- a) It creates a new typewriter-style section
b) It sets the font size to typewriter style
c) It creates a new paragraph
d) It sets the text to typewriter style

18. What is the purpose of the command `\cite{ }` in LaTeX? (a) ✓

- a) It creates a citation for a reference in the bibliography
b) It creates a new section in the document
c) It sets the font style of the document
d) It sets the page margins

19. What does the command `\textsc{ }` do in LaTeX? (a) ✓

- a) It sets the text to small caps
b) It creates a new section in the document
c) It sets the font style to small caps
d) It creates a new paragraph

20. What is the purpose of the command `\footnote{ }` in LaTeX? (a) ✓

- a) It adds a footnote to a page
b) It creates a new section in the document
c) It sets the font style of the document
d) It creates a new paragraph

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VALUE ADDED COURSE ON
"Introduction to LaTeX" FROM 05/09/23 to 13/09/23

ASSESSMENT TEST

Roll Number: 20941A0045 Name of the Student: S. PARVEZ

Time: 20 Min

(Objective Questions)

Max. Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. What does the command `\documentclass{article}` do in LaTeX? (a)
a) It sets the document class as an article
b) It creates a new section in the document
c) It sets the font style of the document
d) It creates a new document
2. What is the purpose of the command `\usepackage{graphicx}` in LaTeX? (b)
a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size
3. What does the command `\textbf{ }` do in LaTeX? (d)
a) It creates a new bold section
b) It sets the font size to bold
c) It creates a new paragraph
d) It sets the text to bold
4. What is the purpose of the command `\tableofcontents` in LaTeX? (c)
a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size
5. What does the command `\begin{center}` do in LaTeX? (d)
a) It creates a new center-aligned section
b) It sets the font size to center-aligned
c) It creates a new paragraph
d) It centers the text or content
6. What is the purpose of the command `\newpage` in LaTeX? (c)
a) It creates a new section in the document
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c) It creates a new paragraph
d) It sets the text to italic
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a) It sets the page margins
b) It creates a new section in the document
c) It adds a title to the document
d) It sets the font size
9. What does the command `\emph{ }` do in LaTeX? (d)
a) It creates a new bold section
b) It sets the text to bold
c) It creates a new paragraph
d) It sets the text to emphasize
10. What is the purpose of the command `\pagestyle{ }` in LaTeX? (b)
a) It sets the font style of the document
b) It adds page numbers to the document
c) It sets the page margins
d) It creates a new section in the document
11. What does the command `\section{ }` do in LaTeX? (a)
a) It creates a new section in the document
b) It sets the font size to section level
c) It sets the font style to section level
d) It creates a new paragraph

12. What is the purpose of the command `\label{ }` in LaTeX? (a)
- a) It adds a label to an equation or figure for referencing b) It creates a new section in the document
c) It sets the font style of the document d) It adds a label to a section for referencing
13. What does the command `\cite{ }` do in LaTeX? (a)
- a) It adds a citation to a reference list b) It creates a new section in the document
c) It sets the font style of the document d) It sets the text to italic
14. What is the purpose of the command `\caption{ }` in LaTeX? (a)
- a) It adds a caption to an equation or figure for referencing b) It sets the page margins
c) It creates a new section in the document c) It sets the font style of the document
15. What does the command `\textit{ }` do in LaTeX? (d)
- a) It creates a new italic section b) It sets the font size to italic
c) It creates a new paragraph d) It sets the text to italic
16. What is the purpose of the command `\subsection{ }` in LaTeX? (d)
- a) It creates a new subsection in the document b) It sets the font size to subsection level
c) It sets the font style to subsection level d) It creates a new paragraph
17. What does the command `\texttt{ }` do in LaTeX? (d)
- a) It creates a new typewriter-style section b) It sets the font size to typewriter style
c) It creates a new paragraph d) It sets the text to typewriter style
18. What is the purpose of the command `\cite{ }` in LaTeX? (a)
- a) It creates a citation for a reference in the bibliography b) It creates a new section in the document
c) It sets the font style of the document d) It sets the page margins
19. What does the command `\textsc{ }` do in LaTeX? (a)
- a) It sets the text to small caps b) It creates a new section in the document
c) It sets the font style to small caps d) It creates a new paragraph
20. What is the purpose of the command `\footnote{ }` in LaTeX? (c)
- a) It adds a footnote to a page b) It creates a new section in the document
c) It sets the font style of the document d) It creates a new paragraph

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
VALUE ADDED COURSE ON
"Introduction to LaTeX" FROM 05/09/23 to 13/09/23

18
20

ASSESSMENT TEST

Roll Number: 209Y1A0242 Name of the Student: S. Faiz Rehman

Time: 20 Min

(Objective Questions)

Max. Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. What does the command `\documentclass{article}` do in LaTeX? (a)

- a) It sets the document class as an article
b) It creates a new section in the document
c) It sets the font style of the document
d) It creates a new document

2. What is the purpose of the command `\usepackage{graphicx}` in LaTeX? (b)

- a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size

3. What does the command `\textbf{ }` do in LaTeX? (d)

- a) It creates a new bold section
b) It sets the font size to bold
c) It creates a new paragraph
d) It sets the text to bold

4. What is the purpose of the command `\tableofcontents` in LaTeX? (d) X

- a) It sets the page margins
b) It includes graphics into the document
c) It adds a table of contents
d) It sets the font size

5. What does the command `\begin{center}` do in LaTeX? (d)

- a) It creates a new center-aligned section
b) It sets the font size to center-aligned
c) It creates a new paragraph
d) It centers the text or content

6. What is the purpose of the command `\newpage` in LaTeX? (a)

- a) It creates a new section in the document
b) It sets the page margins
c) It starts a new page
d) It sets the font style of the document

7. What does the command `\footnote{ }` do in LaTeX? (d)

- a) It adds a footnote to the bottom of the page
b) It creates a new bold section
c) It creates a new paragraph
d) It sets the text to italic

8. What is the purpose of the command `\maketitle` in LaTeX? (d)

- a) It sets the page margins
b) It creates a new section in the document
c) It adds a title to the document
d) It sets the font size

9. What does the command `\emph{ }` do in LaTeX? (b) X

- a) It creates a new bold section
b) It sets the text to bold
c) It creates a new paragraph
d) It sets the text to emphasize

10. What is the purpose of the command `\pagestyle{ }` in LaTeX? (b)

- a) It sets the font style of the document
b) It adds page numbers to the document
c) It sets the page margins
d) It creates a new section in the document

11. What does the command `\section{ }` do in LaTeX? (a)

- a) It creates a new section in the document
b) It sets the font size to section level
c) It sets the font style to section level
d) It creates a new paragraph

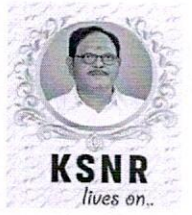


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Marks Awarded List

Department of Electrical and Electronics Engineering

Value Added Course

On

“Introduction to LaTeX” From 05.09.2023 to 13.09.2023

Sl. No.	Roll No.	Name of the Student	Marks Awarded
1	209Y1A0241	S Alisha Sameera	20
2	219Y5A0204	M Srinidhi	19
3	209Y1A0238	S Sreekanth	20
4	209Y1A0245	S Parvez	19
5	219Y5A0202	A V Venkata Yaswanth	20
6	209Y1A0251	V Vinay	20
7	209Y1A0202	A Gangadhar	20
8	219Y5A0203	B Chandra Kumar	20
9	209Y1A0217	K Likhitha	20
10	209Y1A0219	K Mohan Krishna	20
11	209Y1A0205	B Yeswanth	20
12	209Y1A0220	K Venkata Sai	19
13	209Y1A0233	P Ravi Shankar	20
14	209Y1A0211	G Harika	20
15	209Y1A0237	R Tirumala	20
16	209Y1A0240	S Yuvraj	19
17	209Y1A0249	T Pallavi	20
18	209Y1A0247	S Shashikala	20
19	209Y1A0212	G Lingamaiah	19
20	209Y1A0232	P Dayananda	20
21	209Y1A0242	S Faiz Rehman	18
22	209Y1A0204	B Neeraja Reddy	20
23	209Y1A0252	V Jagadeesh	20
24	209Y1A0218	K Mohammad Kaif Ali	19
25	209Y1A0236	R Madhu Krsihna	20

Resource Person(s)

Coordinator(s)

HoD
Department of Electrical &
Electronics Engineering
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Certificate of Completion

This is to certify that Mr. / Ms. S. Alisha Sameera bearing the roll number 20941A0241 has successfully completed Value Added Course on "Introduction to LaTeX" from 05/09/2023 to 13/09/2023 organized by Department of Electrical and Electronics Engineering, K.S.R.M. College of Engineering (Autonomous), Kadapa, Andhra Pradesh - 516005.


Coordinator


HOD of EEE


Principal



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This is to certify that Mr. / Ms. V. Jagadeesh bearing the number 20941A00521 has successfully completed Value Added Course on "Introduction to LaTeX" from 05/09/2023 to 13/09/2023 organized by Department of Electrical and Electronic Engineering, K.S.R.M. College of Engineering (Autonomous), Kadapa, Andhra Pradesh - 516005.


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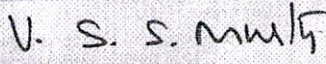


Certificate of Completion

This is to certify that Mr. / Ms. S. SHASHI KALA bearing the roll number 209Y1A0247 has successfully completed Value Added Course on "Introduction to LaTeX" from 05/09/2023 to 13/09/2023 organized by Department of Electrical and Electronics Engineering, K.S.R.M. College of Engineering (Autonomous), Kadapa, Andhra Pradesh - 516005 .


Coordinator


HOD of EEE


Principal

Feedback form on Value Added Course "Introduction to LaTeX" From 05.09.2023 to 13.09.2023.

* Indicates required question

1. Name of the Student *

2. Roll Number *

3. The objectives of the Value Added Course were met *

Mark only one oval.

Excellent

Good

Satisfactory

Poor

4. The content of the course was organized and easy to follow (Delivery) *

Mark only one oval.

Excellent

Good

Satisfactory

Poor

(Interaction)

Mark only one oval.

- Excellent
- Good
- Satisfactory
- Poor

6. The exercises/role play were helpful and relevant (Syllabus Coverage) *

Mark only one oval.

- Excellent
- Good
- Satisfactory
- Poor

7. The Value Added Course satisfy my expectation as a value added Programme (Course Satisfaction) *

Mark only one oval.

- Excellent
- Good
- Satisfactory
- Poor

3. Any issues, notes, comments

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Students Feedback Form

Value Added Course on "Introduction to LaTeX" from 05/09/2022 to 13/09/2023

S.No	Email Address	Roll Number	Name of the Student	Value Added Course	Organized and	Helpful and	Information as a	Value	Information
1	209y1a0202@ksrmce.	209y1a0202	A Gangadhar	Good	Good	Satisfactory	Good	Excellent	Nothing
2	219y5a0203@ksrmce.	219y5a0203	BUSAGANI CHANDRA KU	Good	Excellent	Excellent	Good	Good	Nothing
3	209y1a0247@ksrmce.	209y1a0247	S. Shashikala	Good	Good	Good	Good	Good	Nothing
4	209y1a0241@ksrmce.	209Y1A0241	Shaik Alisha Sameera	Good	Good	Good	Good	Good	Nothing
5	219y5a0204@ksrmce.	219y5a0204	M.srnidhi	Good	Good	Good	Good	Good	No
6	209y1a0251@ksrmce.	209y1a0251	V.vinay	Good	Excellent	Good	Good	Good	Ntg
7	219y5a0202@ksrmce.	219y5a0202	ARAKATA VEMULA VENK	Good	Good	Good	Good	Excellent	Nothing
8	209y1a0219@ksrmce.	209y1a0219	Mohan Krishna	Good	Excellent	Excellent	Excellent	Good	Nothing
9	209y1a0232@ksrmce.	209y1a0232	P.Dayananda	Good	Good	Good	Good	Good	No
10	209y1a0212@ksrmce.	209y1a0212	G.lingamaiah	Excellent	Excellent	Satisfactory	Good	Good	No
11	209y1a0249@ksrmce.	209y1a0249	T.pallavi	Satisfactory	Good	Good	Excellent	Good	No
12	209y1a0233@ksrmce.	209Y1A0233	P.RAVI SHANKAR	Excellent	Good	Excellent	Good	Good	-
13	209y1a0237@ksrmce.	209y1a0237	R.Thirumala	Good	Good	Good	Good	Good	Nothing
14	209y1a0217@ksrmce.	209y1a0217	K.Likhitha	Good	Good	Excellent	Good	Excellent	Nothing
15	209y1a0211@ksrmce.	209Y1A0211	G Harika	Good	Good	Good	Good	Good	Nothing
16	209y1a0218@ksrmce.	209y1a0218	K mohammed kaif ali	Good	Good	Good	Good	Good	No
17	209y1a0252@ksrmce.	209y1a0252	VEMA JAGADEESH	Good	Good	Excellent	Good	Good	Nothing
18	209y1a0204@ksrmce.	209y1a0204	B Neeraja Reddy	Good	Excellent	Excellent	Excellent	Good	No
19	209y1a0205@ksrmce.	209y1a0205	Beri Yaswanth	Excellent	Good	Satisfactory	Excellent	Good	Nothing
20	209y1a0236@ksrmce.	209y1A0236	R Madhu Krishna	Excellent	Excellent	Satisfactory	Good	Good	No
21	209y1a0240@ksrmce.	209y1A0240	S Yuvraj	Good	Excellent	Good	Good	Excellent	Nothing
22	209y1a0242@ksrmce.	209y1a0242	Shaik Faiz Rehman	Excellent	Good	Excellent	Good	Good	-
23	209y1a0238@ksrmce.	209y1a0238	S. SREEKANTH	Good	Good	Good	Good	Good	Nothing
24	209y1a0204@ksrmce.	209y1a0245	S Parveez	Good	Good	Good	Satisfactory	Good	Nothing

25	209y1a0245@ksrmce.	209y1a0220	K venkatasai	Good	Excellent	Excellent	Excellent	Good	No
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a. b. s.
Coordinator(s)

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Kadapa -516003.



**K.S.R.M COLLEGE OF ENGINEERING, KADAPA
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Valued Added Course on

Introduction to LaTeX

By

T.NARESH M.Tech., (Ph.D)

Assistant Professor

EEE Department

What is LaTeX?

- LaTeX is pronounced “lay-tech” or “lah-tech,” not “la-tek.”
- LaTeX is a document preparation system for high-quality typesetting.
- LaTeX is most often used to produce technical or scientific documents, but it can be used for almost any form of publishing.

Why Use LaTeX?

- Designed by academics and easily accommodates academic use.
- Professionally crafted predefined layouts make a document really look as if “printed.”
- Mathematical symbols and equations are easily integrated.
- Even complex structures such as footnotes, references, table of contents, and bibliographies can be generated easily.
- Forces author to focus on logical instead of aesthetic structure of a document.
- Creates more beautiful documents.
- Portable, compatible, flexible, versatile, and cheap (or free)!

Installing LaTeX

- In Windows
- MiKTeX
 - MiKTeX is a typesetting system for the Windows.
 - Download from www.miktex.org for free
 - It is generally recommended to install MiKTeX first, then WinEdt.
- WinEdt
 - WinEdt is a text editor.
 - WinEdt creates the source file (.tex and others).
 - Download from www.winedt.com for free for 30 days.
 - WinEdt costs \$30.

Installing LaTeX

- Other text editors
 - There are other text editors.
 - Winshell for free (<http://www.winshell.de/>)
 - Scientific Workplace
 - Combination of LaTeX and Mathematics program
 - Does a good job of calculating and graphing, very user friendly, but expensive
- In Mac
- TexShop
 - Download for free
<http://www.uoregon.edu/~koch/texshop/>
 - Includes everything!

Basic Document Structure

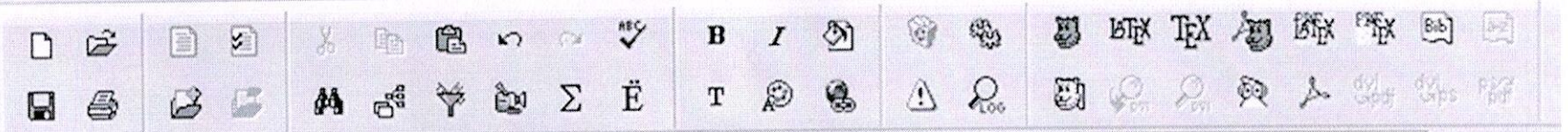
- The format of a document is pretty simple.
 - In the preamble
 - Documentclass
 - Packages
 - In the front matter
 - Title/author
 - In the body
 - Contents
 - In the back matter
 - bibliography

In the Preamble

- You specify your document class.
 - Document classes: letter, article, report, book, slides(beamer, prosper)
 - `\documentclass[12pt]{article}`
 - Backslash – at the beginning of text markup command
 - Packages: numerous packages are available
 - `\usepackage[margin=1in]{geometry}`
 - `\usepackage{setspace}`
 - `\usepackage{harvard}`

WinEdt - [C:\Users\woo.54\Desktop\Example.tex]

File Edit Search Insert Document Project Tools Macros Accessories Options Window Help



Math Greek Symbols International Typeface Functions(x) ... { } ... < > = ... + / - ... - - > ... AMS AMS = < > AMS NOT = < >

Σ	Π	\cup	\int	\oint	\cap	\cup	\hat{a}	\check{a}	\breve{a}	\acute{a}	\grave{a}	\overline{abc}	\widehat{abc}	\overleftarrow{abc}	\overrightarrow{abc}	\overline{abc}	\overbrace{abc}	x^k	N	B	B
\sqcup	\vee	\wedge	\odot	\otimes	\oplus	\oplus	\tilde{a}	\bar{a}	\breve{a}	\acute{a}	\ddot{a}	\underbrace{abc}	\underline{abc}	\sqrt{abc}	$\sqrt[3]{abc}$	f'	$\frac{abc}{xyz}$	x_k	C	\mathfrak{F}	T

GlobalizationRights.tex

book.tex Table0430.tex IntroductionMar09.tex Chapter2Mar09.tex Chapter2AppendixMar09.tex Chapter3Mar09.tex Dissertation09.bib Application Letter.

```
\documentclass[12pt]{article}
\usepackage[margin=1in]{geometry}
% setting margins
\usepackage{setspace}
% nice line spacing package
\usepackage{harvard}
% family of seven bibliography styles including APSR
\bibliographystyle{apsr}
```

D |

In the Body

- To begin a new section
- `\section{}`
 - Similarly, `\subsection{}`, `\subsubsection{}`,
`\subsubsubsection{}`
 - LaTeX does automatic numbering. If you don't like it,
use `section*{}`
- `\emph{}`, `\textbf{}`
- `\singlespacing`, `\doublespacing`, `\onehalfspacing`
- `\centering` or `\begin{centering}` & `\end{centering}`

Footnotes/Quotes/Equations

- `\footnote{}`
- `\begin{quote}` & `\end{quote}`
- ` ’ `` ’’ for quotations
- Mathematical Equations
 - Math always in between \$ & \$
 - Alternatively, `\begin{equation}` & `\end{equation}`
 - \$ $1+4=5$ \$
 - `\frac{{}{}}`, `\sqrt{}`, `\sum_{k=1}^n`
 - `^{} , _{}`
 - `\greek` letters (e.g. `\alpha` or `\Alpha`)
 - WinEdt also provides click and type functions.

Citations

- `\cite{bibtexkey}`, `citeyear{bibtexkey}`
- It is more convenient to create a bibliography file, called bibtex file(.bib) and use it as needed.
- WinEdt is capable of creating a bib file, but there are more convenient tools out there.
- JabRef (<http://jabref.sourceforge.net/>)

Math Greek Symbols International Typeface Functions(x) ... { } ... <=> ... +/- ... --> ... AMS AMS =<> AMS NOT =<>

Σ Π \prod \int f \cap \cup \hat{a} \check{a} \breve{a} \acute{a} \grave{a} \tilde{abc} \hat{abc} \bar{abc} \overline{abc} \underline{abc} \overbrace{abc} x^k \mathbb{N} \mathbb{B} \mathbb{B}

\sqcup \vee \wedge \odot \otimes \oplus \oplus \tilde{a} \bar{a} \breve{a} \acute{a} \grave{a} \underbrace{abc} \underline{abc} \sqrt{abc} $\sqrt[3]{abc}$ f' $\frac{abc}{xy}$ x_k \mathbb{C} \mathbb{S} \mathbb{T}

Example.bib GlobalizationRights.tex

book.tex Table0430.tex IntroductionMar09.tex Chapter2Mar09.tex Chapter2AppendixMar09.tex Chapter3Mar09.tex Dissertation09.bib Application Letter.tex CV Template.tex Dissertation Summary.tex Chapter3.tex Example.tex

```
% This file was created with JabRef 2.4.
% Encoding: Cp1252

@ARTICLE{Beck1993,
  author = {Beck, Nathaniel},
  title = {The Methodology of Cointegration.},
  journal = {Political Analysis},
  year = {1993},
  volume = {4},
  pages = {237-48},
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  timestamp = {2009.06.08}
}

@ARTICLE{CheungLai1993,
  author = {Cheung, Yin-Wong, and Kon S. Lai},
  title = {A Fractional Cointegration Analysis of Purchasing Power Parity.},
  journal = {Journal of Business and Economic Statistics},
  year = {1993},
  volume = {11},
  pages = {103-12},
  owner = {woo.54},
  timestamp = {2009.06.08}
}

@ARTICLE{OstromSmith1993,
  author = {Ostrom, Charles W., Kr., and Renee M. Smith},
  title = {Error Correction, Attitude Persistence, and Executive Rewards and Punishments: A Behavioral Theory of Presidential Approval.},
  journal = {Political Analysis},
  year = {1993},
  volume = {4},
  pages = {127-84},
  owner = {woo.54},
  timestamp = {2009.06.08}
}
```


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Math Greek Symbols International Typeface Functions(x) ... {} ... <=> ... +/- ... ---> ... AMS AMS =<> AMS NOT =<>

Σ Π \prod \int \oint \cap \cup \tilde{a} \hat{a} \check{a} \acute{a} \grave{a} \bar{abc} \widehat{abc} \overline{abc} \overleftarrow{abc} \overrightarrow{abc} \overleftrightarrow{abc} x^k N E B
 \sqcup \vee \wedge \odot \otimes \oplus \uplus \tilde{a} \bar{a} \grave{a} \grave{a} \underline{abc} \underline{abc} \sqrt{abc} $\sqrt[3]{abc}$ f' $\frac{abc}{xyz}$ x_k C \S T

GlobalizationRights.tex

book.tex Table0430.tex IntroductionMar09.tex Chapter2Mar09.tex Chapter2AppendixMar09.tex Chapter3Mar09.tex Dissertation09.bib Application Letter.tex CV Template.tex Dissertation Summary.tex Chapter3.tex Example.tex

```

\documentclass[12pt]{article}
\usepackage[margin=1in]{geometry}
% setting margins
\usepackage{setspace}
% nice line spacing package
\usepackage{harvard}
% family of seven bibliography styles including APSR
\bibliographystyle{apsr}

\begin{document}
\title{Writing My First \LaTeX Article}
\author{Byungwon Woo}

\maketitle
\singlespacing

\begin{abstract}
\noindent My first article written in \LaTeX(or \LaTeX) using WinEdt.
\end{abstract}

\newpage
\doublespacing

\section{Introduction}
Both ARMA and ARIMA model specifications and technologies have been useful to political scientists.

Economists argue that certain processes ``inherit'' their fractional integration properties from the exogenous forces that affect them.\footnote{If you do not understand the text of this example, that is totally OK.} Such a theory, which begs the question of why the exogenous variables are themselves fractionally integrated, is used in the literature on multivariate models for fractional cointegration in which certain time series are predicted to move together over time \cite{CheungLai1993}.

\section{Fractional Integration}
To model such long-range persistence, analysts can use an ARFIMA model in which the fractionally integrated time series is represented as:\\
%\[
%\phi(L)(1-L)^{d}x_{t}=\theta(L)\epsilon_{t}
%\]

$$\phi(L)(1-L)^{d}x_{t}=\theta(L)\epsilon_{t}$$


```

Creating a Table

- Add numbered table
 - `\begin{table} \caption{}`
- Creating a table
- Simple tables can be produced by
 - `\begin{tabular}[pos]{tablespec}`
 - Within the `{tablespec}` section, one details the number of columns, the alignment, and the number of vertical lines of the table.
 - `{lrc}`, `{||r|c}`
 - Then type in from left to right, the values for each cell with `&` in between.
 - Put `\\` at the end of each row, then input another row of values if needed.
 - `\hline`
 - For STATA users, after downloading the “outtex” package online, one can simply type “outtex” after any estimation and STATA will spit out LaTeX code for the results table presented.

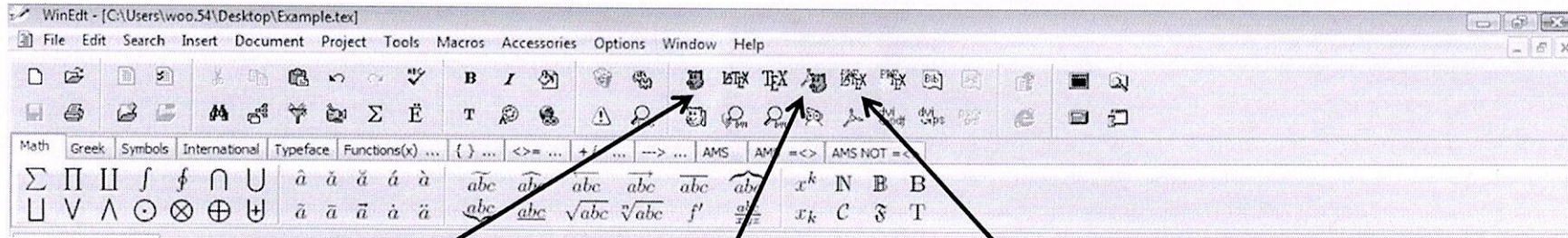
Creating a 4*3 Table

- `\begin{table}[h]`
- `\caption{Summary of Conclusions from Diagnostic Tests}`
- `\begin{tabular}{llll}`
- `\hline`
- `\hline`
- `& Macropartisanship & Consumer Sentiment & Presidential Approval\\`
- `\hline`
- `Joint F test & $d=1$ & $d=1$ & $d=0$ \\`
- `VR test & $0 < d \leq 1$ & $d=1$ & $0 < d \leq 1$ \\`
- `\hline`
- `\end{tabular}`
- `\end{table}`

In the Back Matter

- Don't forget `bibliography{filename}`
 - Make sure that the bibtex file is saved in the same location where the main tex file is saved.
- Don't forget `end{document}`

Seeing the Document



Press on the
smiling bear to
convert to .dvi

Press on the
PDF+happy bear
to convert to
.pdf and open it

Press on the
PDF/LaTeX to
convert to .pdf

Common Mistakes

- Often times, you make a mistake when creating a document. You will notice the log file reporting a problem.
- There are some common mistakes:
 - “end” doesn’t follow “begin”
 - \$ doesn’t follow \$
 - Using commands from packages not defined in the preamble
 - Don’t forget “\”s.

Other Resources

- Books

- Leslie Lamport. 1994. LaTeX: A Document Preparation System.
- Helmut Kopta and Patrick W. Daly. 2004. Guide to LaTeX
- Frank Mittelbach et al. 2004. The LaTeX Companion

- Online Guides

- <http://en.wikibooks.org/wiki/LaTeX>
- <http://tobi.oetiker.ch/lshort/lshort.pdf>
- CV and dissertation templates are available on line