

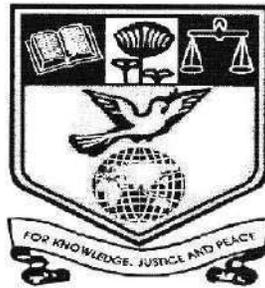
**NEHRU MEMORIAL COLLEGE (Autonomous)
(Nationally accredited with A grade by NAAC)
PUTHANAMPATTI**

PG & RESEARCH DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE

**UG - EXTRA CREDIT COURSE
STRUCTURE & SYLLABI
(CBCS)**

(For the candidates admitted from 2015-2016 onwards)



NEHRU MEMORIAL COLLEGE (Autonomous), PUTHANMPATTI
Under Graduate Programme Course Structure CBCS
(For the candidates admitted from 2015-2016 onwards)

COURSES	NO. OF COURSES	NO. INST. HRS.	MAX. CREDITS	REMARKS
EXTRA CREDIT	6	30 Hrs / Course	12	I - VI SEMESTER

SEM	CODE	TITLE OF COURSE	HRS / WEEK	CREDITS	TOTAL MARKS
I-VI	15EXCI	EXC I -LATEX LAB	2	2	100
	15EXCII	EXC II- MATHEMATICS FOR COMPETITATIVE EXAM	2	2	100
	15EXCIII	EXC III - MATHEMATICAL LOGIC	2	2	100
	15EXCIV	EXC IV - GIMP LAB	2	2	100
	15EXCV	EXC V - GROUP PROJECT	2	2	100
	15EXCVI	EXC VI - CASE STUDY ON OR	2	2	100

OBE ELEMENTS

Programme Educational Objectives (PEO)

PEO 1: To qualify the students to become successful professionals by demonstrating logical and analytical thinking abilities.

PEO 2: To provide knowledge in the breadth and depth of mathematics, including the connections between different areas of mathematics.

PEO 3: Gain experience investigating the real world problems and learn how to apply mathematical ideas and models to those problems.

PEO 4: Analyze the use of computer technology to solve problems and to promote understanding.

Program Outcome (PO)

PO 1: Become knowledgeable in the subject of Mathematics and apply the principles of the same to the needs of the Employer/Institution/Enterprise/Society.

PO 2: Gain analytical skills in the field of Mathematics

PO 3: Understand and appreciate professional ethics, community living and Nation Building initiatives.

PO 4: To develop important analytical and logical skills and problem solving strategies to assess a broad range of issues in real life.

PO 5: To expose a wide range of modern mathematical ideas from pure and applied mathematics to graduate with both technical and quantitative skills that are in demand in the modern world.

PO 6: To acquire mathematical knowledge and understanding in advanced areas of mathematics from the given courses that provides a solid foundation for future learning.

Programme Specific Outcome (PSO)

PSO 1: Apply the knowledge of Mathematics in the domain of Science, Engineering and Technology

PSO 2: Solve the complex problems in the field of mathematics with an understanding of the societal, legal and cultural impacts of the solution.

PSO 3 :Familiar with a variety of examples where mathematics helps accurately explain abstract or physical phenomena.

PSO 4 : Able to independently read mathematical literature of various types, including survey articles, scholarly books, and online sources.

PSO 5 : Life-long learners who are able to independently expand their mathematical expertise when needed, or for interest's sake.

PSO 6 : Recognize the importance and value of mathematical and statistical thinking, training and approach to problem solving, on a diverse variety of disciplines.

Course Code & Title	15EXCI EXC I – LaTeX Lab (Value added Course)		
B.Sc. Mathematics	Semester : I	Credits : 2	Hrs/ Wk : 2
Cognitive Level	K – 1 – Acquire K – 2 – Understanding K – 3 – Apply K – 4 – Evaluate K – 5 – Analyze		
Course Objectives	The Course aims to <ul style="list-style-type: none"> • know all needed about LaTeX • provide a practical knowledge to the students on LaTeX. 		
Entrepreneurship (Value added Course)	Global need	Experiential Learning	

UNIT	Content	No. of Hours
-	Programme List 1. Simple type setting 2. The Document 3. Bibliography 4. Table of contents, Index, Glossary 5. Type setting mathematics 6. Type setting Theorems 7. Cross references	30
Reference	Text Books: 1. Gratzer, George A., Math into LaTeX: an introduction to LaTeX and AMS-LaTeX, Birkhauser Boston, 1996. 2. Andr e Heck, Learning LaTeX by Doing, AMSTEL Institute, March 2005.	
Course Outcomes	On completion of the course, students should be able to CO 1: gain knowledge about basic types of LaTeX document. CO 2: understand the use of LaTeX and various templates acquired from the course to compose mathematical documents, presentation and reports. CO 3: apply profession presentation using LaTeX, by using beamer. CO4: analyze the use of tabular and array environment within LaTeX document.	

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UG - Degree Examinations - November, 2017

RESULT

(For the candidates admitted during 2017-2018)

<u>Subject with Internal</u>		<u>Subject without Internal</u>	
Max. Marks	Int: 25	Max. Marks	Int: -
	Ext: 75		Ext: 100
	Tot: 100		Tot: 100
Passing Min.	Int: 10	Passing Min	Int: -
	Ext: 30		Ext: 40
	Tot: 40		Tot: 40

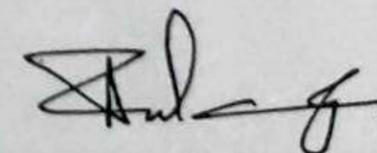
<u>T/L Theory</u>		<u>T/L Lab</u>		<u>Overall T/L</u>	
Max Marks	Int: 15	Max. Marks	Int: 10	Max. Marks	Int: 25
	Ext: 45		Ext: 30		Ext: 75
	Tot: 60		Tot: 40		Tot: 100
Passing Min.	Int: 6	Passing Min.	Int: 4	Passing Min.	Int: 10
	Ext: 18		Ext: 12		Ext: 30
	Tot: 24		Tot: 16		Tot: 40

Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : I

<u>Course Code(s)</u>		<u>Title of the Course(s)</u>					
15EXC1		: LATEX LAB					
SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
1	MEU17M0001	AMUTHA. K	15EXC1	-	60	60	Pass
2	MEU17M0002	AMUTHA. R	15EXC1	-	70	70	Pass
3	MEU17M0003	AMUTHAVALLI. S	15EXC1	-	100	100	Pass
4	MEU17M0004	ANITHA. S.S	15EXC1	-	100	100	Pass
5	MEU17M0005	ANURADHA. D	15EXC1	-	97	97	Pass
6	MEU17M0006	DHIVYA. D	15EXC1	-	100	100	Pass
7	MEU17M0007	DHURKA. M	15EXC1	-	70	70	Pass
8	MEU17M0008	GAYATHIRI. M	15EXC1	-	75	75	Pass
9	MEU17M0010	JEEVITHA. C	15EXC1	-	85	85	Pass
10	MEU17M0011	JOTHIPRIYADHARSHINI. S	15EXC1	-	90	90	Pass
11	MEU17M0012	KANMANI. P	15EXC1	-	100	100	Pass

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
12	MEU17M0013	KAVITHA. P	15EXC1	-	100	100	Pass
13	MEU17M0014	KRISHNAVENI. A.M	15EXC1	-	100	100	Pass
14	MEU17M0015	LAKSHMIDEVI. P	15EXC1	-	70	70	Pass
15	MEU17M0016	MAHADHARSHINI. V	15EXC1	-	95	95	Pass
16	MEU17M0017	MANJULA. P	15EXC1	-	100	100	Pass
17	MEU17M0019	NIVEDHA. D	15EXC1	-	95	95	Pass
18	MEU17M0020	NIVEDHA. M	15EXC1	-	85	85	Pass
19	MEU17M0021	PAVITHRA. R	15EXC1	-	75	75	Pass
20	MEU17M0022	POOVARASI. R	15EXC1	-	100	100	Pass
21	MEU17M0023	PRAVEENA. S	15EXC1	-	70	70	Pass
22	MEU17M0024	PRIYANKA. A	15EXC1	-	90	90	Pass
23	MEU17M0025	PRIYANKA. S	15EXC1	-	95	95	Pass

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*** - Withheld

AAA - Absent

RA - Re-appear

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UG - Degree Examinations - November, 2017

RESULT

(For the candidates admitted during 2017-2018)

T/L Theory

Max Marks Int: 15
Ext: 45
Tot: 60
Passing Min. Int: 6
Ext: 18
Tot: 24

T/L Lab

Max. Marks Int: 10
Ext: 30
Tot: 40
Passing Min. Int: 4
Ext: 12
Tot: 16

Overall T/L

Max. Marks Int: 25
Ext: 75
Tot: 100
Passing Min. Int: 10
Ext: 30
Tot: 40

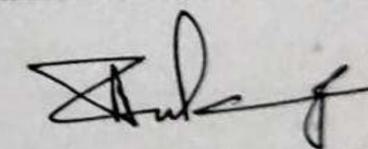
Subject with Internal		Subject without Internal	
Max. Marks	Int: 25	Max. Marks	Int: -
	Ext: 75		Ext: 100
	Tot: 100		Tot: 100
Passing Min.	Int: 10	Passing Min.	Int: -
	Ext: 30		Ext: 40
	Tot: 40		Tot: 40

Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : I

Course Code(s) : LATEX LAB Title of the Course(s)

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
24	MEU17M0026	RESHMA. B	15EXC1	-	80	80	Pass
25	MEU17M0027	SHALINI. K	15EXC1	-	75	75	Pass
26	MEU17M0028	SIVAKA. S	15EXC1	-	100	100	Pass
27	MEU17M0029	SOBIYA. S	15EXC1	-	60	60	Pass
28	MEU17M0030	SOWMIYA. V	15EXC1	-	70	70	Pass
29	MEU17M0031	SUBHA. R	15EXC1	-	80	80	Pass
30	MEU17M0032	SUBHASHINI. S	15EXC1	-	50	50	Pass
31	MEU17M0033	SURYA. R	15EXC1	-	60	60	Pass
32	MEU17M0034	THAMARASELVI. R	15EXC1	-	100	100	Pass
33	MEU17M0035	VIJI. B	15EXC1	-	100	100	Pass
34	MEU17M0036	VIJITHA. R	15EXC1	-	60	60	Pass

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
35	MEU17M0037	VISHNUPRIYA. G	15EXC1	-	75	75	Pass
36	MEU17M0038	YUVAPRIYA. N	15EXC1	-	80	80	Pass
37	MEU17M0039	MANORANJITH. D	15EXC1	-	95	95	Pass
38	MEU17M0040	MATHIVANAN. D	15EXC1	-	60	60	Pass
39	MEU17M0041	PERIYASAMY. R	15EXC1	-	70	70	Pass



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CERTIFICATE

*This is to certify that DHIVYA , D. (MEU17M0006)
has successfully completed the Certificate Course on
“LATEX” conducted in NOVEMBER 2017.*


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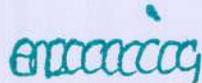
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CERTIFICATE

*This is to certify that KANMANI, P. (MEU17M0012)
has successfully completed the Certificate Course on
“LATEX” conducted in NOVEMBER 2017.*


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CERTIFICATE

*This is to certify that SOBIYA, S. (MEU17M0029)
has successfully completed the Certificate Course on
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CERTIFICATE

*This is to certify that VISHNUPRIYA, G. (MEU17M0037)
has successfully completed the Certificate Course on
“LATEX” conducted in NOVEMBER 2017.*


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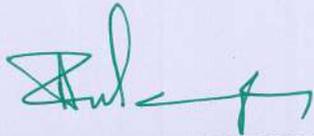


CERTIFICATE

*This is to certify that AMUTHA , K. (MEU17M0001)
has successfully completed the Certificate Course on
“LATEX” conducted in NOVEMBER 2017.*


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