

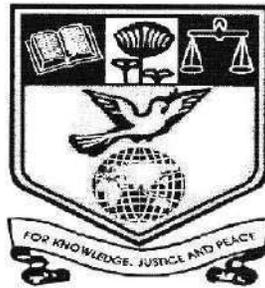
**NEHRU MEMORIAL COLLEGE (Autonomous)  
(Nationally accredited with A grade by NAAC)  
PUTHANAMPATTI**

**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)**

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

<b>SEM</b>	<b>CODE</b>	<b>TITLE OF COURSE</b>	<b>HRS / WEEK</b>	<b>CREDITS</b>	<b>TOTAL MARKS</b>
<b>I-VI</b>	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.

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

UNIT	Content	No. of Hours
-	<b>Programme List</b>  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
<b>Reference</b>	<b>Text Books:</b> <b>1.</b> Gratzer, George A., Math into LaTeX: an introduction to LaTeX and AMS-LaTeX, Birkhauser Boston, 1996. <b>2.</b> Andr e Heck, Learning LaTeX by Doing, AMSTEL Institute, March 2005.	
<b>Course Outcomes</b>	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.	

2  
: B.Sc.,  
: Mathematics(Extra Credit Course)  
: 1

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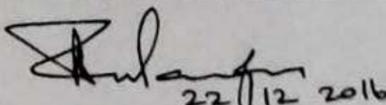
NEHRU MEMORIAL COLLEGE  
(AUTONOMOUS)  
PUTHANAMPATTI  
UG - Degree Examinations - November, 2016  
**RESULT**  
(For candidates admitted during 2016-2017)

Subject with Internal      Subject without Intern  
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

Dept of  
Maths

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
001	ABIRAMI B	15EXC1	-	97	97	Pass	
002	BHARATHI S	15EXC1	-	100	100	Pass	
003	DAYANAMARI A	15EXC1	-	90	90	Pass	
004	DHARANI B	15EXC1	-	88	88	Pass	
006	DIVYA S	15EXC1	-	85	85	Pass	
007	GAYATHRI N	15EXC1	-	100	100	Pass	
008	JANAKI T	15EXC1	-	92	92	Pass	
009	KALAIYARASI T	15EXC1	-	78	78	Pass	
010	KANUSIYA M	15EXC1	-	77	77	Pass	
011	KEERTHANA T	15EXC1	-	100	100	Pass	
012	MADHUBALA G	15EXC1	-	89	89	Pass	
013	MANJU L	15EXC1	-	85	85	Pass	
014	NANDHINI N	15EXC1	-	90	90	Pass	
015	NATHIYA N	15EXC1	-	100	100	Pass	
016	NIHASINI R	15EXC1	-	95	95	Pass	
017	NIRMALA V	15EXC1	-	100	100	Pass	
018	NIVYA V G	15EXC1	-	96	96	Pass	
019	POORANI K	15EXC1	-	89	89	Pass	
020	PREMA P	15EXC1	-	90	90	Pass	

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
20	MEU16M0021	PRIYADHARSHINI M	15EXC1	-	90	90	Pass
21	MEU16M0022	PRIYANKA S	15EXC1	-	95	95	Pass
22	MEU16M0023	RAMYA S	15EXC1	-	89	89	Pass
23	MEU16M0024	REVATHI P	15EXC1	-	88	88	Pass
24	MEU16M0025	REVATHI V	15EXC1	-	100	100	Pass
25	MEU16M0026	ROOBITHA M	15EXC1	-	87	87	Pass
26	MEU16M0027	SANGEETHA G	15EXC1	-	100	100	Pass
27	MEU16M0028	SATHIYA P	15EXC1	-	94	94	Pass
28	MEU16M0029	SURUTHI P	15EXC1	-	100	100	Pass
29	MEU16M0030	SWATHI S	15EXC1	-	100	100	Pass
30	MEU16M0032	VINOTHINI S	15EXC1	-	100	100	Pass
31	MEU16M0033	YUVARANI M	15EXC1	-	100	100	Pass
32	MEU16M0034	ARAVINDHAN R	15EXC1	-	93	93	Pass
33	MEU16M0035	DEEPAN KUMAR S	15EXC1	-	80	80	Pass
34	MEU16M0036	MOHANRAJ R	15EXC1	-	87	87	Pass
35	MEU16M0037	PUSHPARAJ A	15EXC1	-	86	86	Pass

  
22/12/2016  
Controller of Examinations  
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PUTHANAMPATTI- 621 807,  
TIRUCHIRAPPALLI DISTRICT





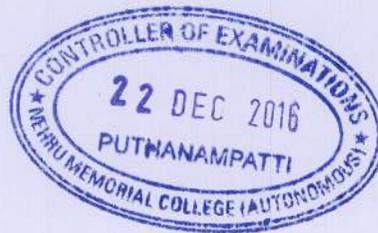
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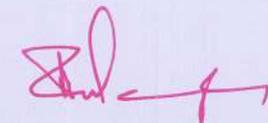
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**Puthanampatti – 621 007, Tiruchirappalli District,  
Tamil Nadu, INDIA.**

## CERTIFICATE

*This is to certify that DHARANI, S. (MEU16M0004)  
has successfully completed the Certificate Course on  
“LATEX” conducted in NOVEMBER 2016.*

  
PRINCIPAL



  
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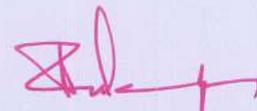
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Tamil Nadu, INDIA.

## CERTIFICATE

*This is to certify that SWATHI, S. (MEU16M0030)  
has successfully completed the Certificate Course on  
“LATEX” conducted in NOVEMBER 2016.*

  
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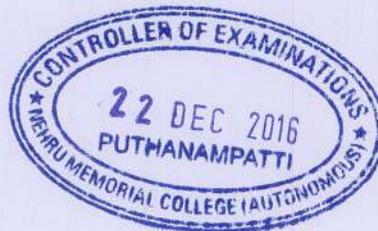
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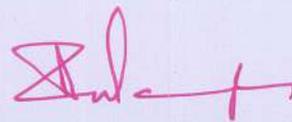
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Tamil Nadu, INDIA.

## CERTIFICATE

*This is to certify that REVATHI, V. (MEU16M0025)  
has successfully completed the Certificate Course on  
“LATEX” conducted in NOVEMBER 2016.*

  
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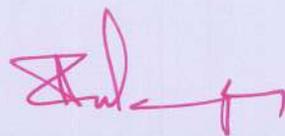
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## CERTIFICATE

*This is to certify that RAMYA , S. (MEU16M0023)  
has successfully completed the Certificate Course on  
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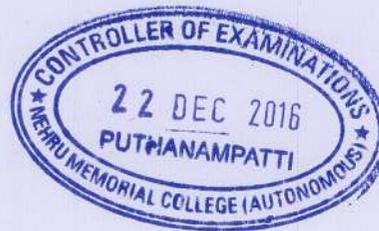
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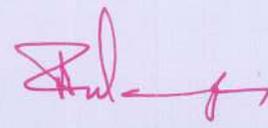
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Tamil Nadu, INDIA.

## CERTIFICATE

*This is to certify that NIRMALA , V. (MEU16M0017)  
has successfully completed the Certificate Course on  
“LATEX” conducted in NOVEMBER 2016.*

  
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