

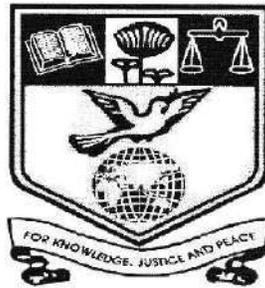
**NEHRU MEMORIAL COLLEGE (Autonomous)
(Nationally accredited with A grade by NAAC)
PUTHANAMPATTI**

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	15EXCIV EXC IV – GIMP Lab(Value added Course)		
B.Sc. Mathematics	Semester : III	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 GIMP • learn and practice the image editing software GIMP. 		
Entrepreneurship Units : I – V (Value added Course)	Global need	Experiential Learning	

UNIT	Content	No. of Hours
-	Programme List <ol style="list-style-type: none"> 1. Bit map and Vectors - Pixels and Resolution - RGB and CMYK color models - Color Management-Working environment of Photoshop - Tool Box - Palettes - Opening and Saving les – TIFF format - JPEG format. 2. Image manipulation Techniques - Rotation resizing - resampling - cropping and images color management - painting tools. 3. Editing Tools - Selection Tools - Layers-Layer Properties. 4. Working with type paths - channels and masks - color correction techniques- lters. 5. Web and multimedia images - work with image ready - Animation and rollover- Slicing. 	30
Reference	Text Books: <ol style="list-style-type: none"> 1. Karin Kylander and Olof S. kylander, GIMP: The Official Handbook, The Coriolis Group, 1999. 2. Carl Wenczek, Digital Images: GIMP – an introduction, Oxford University, April 2015. 	
Course Outcomes	On completion of the course, students should be able to CO 1: gain the knowledge about the basic elements of most photo editing programmes including tools, layers and saving concepts. CO 2: understand the use of the selection tools in GIMP. CO 3: apply animated images using an improved layers method. CO 4: analyze the use of transformation tools in GIMP.	

3

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

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UG - Degree Examinations - February, 2019
RESULT
(For the candidates admitted during 2016-2017)

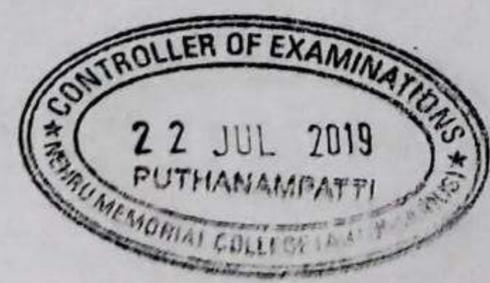
T/L Theory		T/L Lab		Overall T/L	
Max Marks	Int: 15 Ext: 45 Tot: 60	Max. Marks	Int: 10 Ext: 30 Tot: 40	Max. Marks	Int: 25 Ext: 75 Tot: 100
Passing Min.	Int: 6 Ext: 18 Tot: 24	Passing Min.	Int: 4 Ext: 12 Tot: 16	Passing Min.	Int: 10 Ext: 30 Tot: 40

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

Course Code(s)	Title of the Course(s)					
15EXCIV	: EXC - IV - GIMP LAB					
SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
1	MEU16M0001 ABIRAMI B	15EXCIV	--	100	100	Pass
2	MEU16M0002 BHARATHI S	15EXCIV	--	100	100	Pass
3	MEU16M0003 DAYANAMARI A	15EXCIV	--	100	100	Pass
4	MEU16M0004 DHARANI B	15EXCIV	--	100	100	Pass
5	MEU16M0006 DIVYA S	15EXCIV	--	100	100	Pass
6	MEU16M0007 GAYATHRI N	15EXCIV	--	100	100	Pass
7	MEU16M0008 JANAKI T	15EXCIV	--	100	100	Pass
8	MEU16M0009 KALAIYARASI T	15EXCIV	--	100	100	Pass
9	MEU16M0010 KANUSIYA M	15EXCIV	--	100	100	Pass
10	MEU16M0011 KEERTHANA T	15EXCIV	--	100	100	Pass
11	MEU16M0012 MADHUBALA G	15EXCIV	--	100	100	Pass

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SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
12	MEU16M0013	MANJU L	15EXCIV	--	100	100	Pass
13	MEU16M0014	NANDHINI N	15EXCIV	--	100	100	Pass
14	MEU16M0015	NATHIYA N	15EXCIV	--	100	100	Pass
15	MEU16M0016	NIHASINI R	15EXCIV	--	100	100	Pass
16	MEU16M0017	NIRMALA V	15EXCIV	--	100	100	Pass
17	MEU16M0018	NIVYA V G	15EXCIV	--	100	100	Pass
18	MEU16M0019	POORANI K	15EXCIV	--	100	100	Pass
19	MEU16M0020	PREMA P	15EXCIV	--	100	100	Pass
20	MEU16M0021	PRIYADHARSHINI M	15EXCIV	--	100	100	Pass
21	MEU16M0022	PRIYANKA S	15EXCIV	--	100	100	Pass
22	MEU16M0023	RAMYA S	15EXCIV	--	100	100	Pass
23	MEU16M0024	REVATHI P	15EXCIV	--	100	100	Pass



*** - Withheld

AAA - Absent

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Tiruchirappalli District.

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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

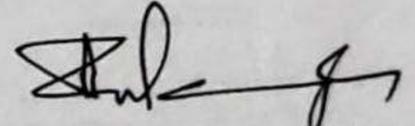
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T/L Theory		T/L Lab		Overall T/L	
Max Marks	Int: 15	Max. Marks	Int: 10	Max. Marks	Int: 25
	Ext: 45		Ext: 30		Ext: 75
	Tot: 60		Tot: 40		Tot: 100
Passing Min.	Int: 6	Passing Min.	Int: 4	Passing Min.	Int: 10
	Ext: 18		Ext: 12		Ext: 30
	Tot: 24		Tot: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

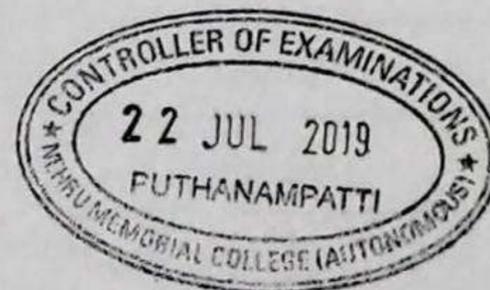
Degree : B.Sc., Programme : Mathematics(Extra Credit Course) Semester : IV

Course Code(s)		Title of the Course(s)					
15EXCIV		: EXC - IV - GIMP LAB					
SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	
24	MEU16M0025 REVATHI V	15EXCIV	--	100	100	Pass	
25	MEU16M0026 ROOBITHA M	15EXCIV	--	100	100	Pass	
26	MEU16M0027 SANGEETHA G	15EXCIV	--	100	100	Pass	
27	MEU16M0028 SATHIYA P	15EXCIV	--	100	100	Pass	
28	MEU16M0029 SURUTHI P	15EXCIV	--	100	100	Pass	
29	MEU16M0030 SWATHI S	15EXCIV	--	100	100	Pass	
30	MEU16M0032 VINOITHINI S	15EXCIV	--	100	100	Pass	
31	MEU16M0033 YUVARANI M	15EXCIV	--	100	100	Pass	
32	MEU16M0034 ARAVINDHAN R	15EXCIV	--	100	100	Pass	
33	MEU16M0035 DEEPANKUMAR S	15EXCIV	--	100	100	Pass	
34	MEU16M0036 MOHANRAJ R	15EXCIV	--	AAA	AAA	AAA	

SNo. Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
35	MEU16M0037 PUSHPARAJA	15EXCIV	--	100	100	Pass


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*** - Withheld

AAA - Absent

RA - Re-appear



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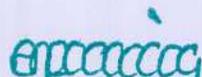
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CERTIFICATE

*This is to certify that KEERTHANA, T. (MEU16M0011)
has successfully completed the Certificate Course on
“GIMP LAB” conducted in FEBRUARY 2019.*


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CERTIFICATE

*This is to certify that DIVYA , S. (MEU16M0006)
has successfully completed the Certificate Course on
“ **GIMP LAB** ” conducted in FEBRUARY 2019 .*


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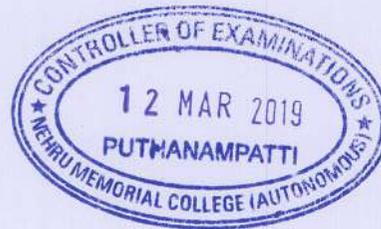
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*This is to certify that SWATHI, S. (MEU16M0030)
has successfully completed the Certificate Course on
“ **GIMP LAB** ” conducted in FEBRUARY 2019 .*


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*This is to certify that NATHIYA , N. (MEU16M0015)
has successfully completed the Certificate Course on
“ **GIMP LAB** ” conducted in FEBRUARY 2019 .*


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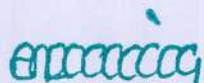
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CERTIFICATE

*This is to certify that AMUTHAVALLI, S. (MEU17M0003)
has successfully completed the Certificate Course on
“ GIMP LAB ” conducted in FEBRUARY 2019 .*


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