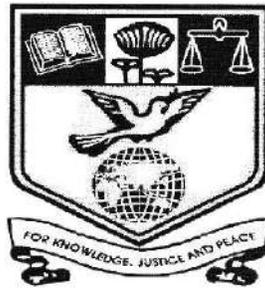**NEHRU MEMORIAL COLLEGE (Autonomous)**
(Nationally accredited with A grade by NAAC)
PUTHANAMPATTI

PG & RESEARCH DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE

<u>UG - EXTRA CREDIT COURSE</u>
<u>STRUCTURE & SYLLABI</u>
(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 • 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** 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:** 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.	

NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)
PUTHANAMPATTI
UG - Degree Examinations - April, 2017
RESULT
(For candidates admitted during 2015-2016)

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

Subject with Internal	Subject without Internal	Subject with Internal
Max. Marks Int 25 Ext 75 Tot 100 Passing Min. Int 10 Ext 30	Max Marks Int: — Ext: 100 Tot: 100 Passing Min Int: — Ext 40 Tot 40	Max Marks Int: 10 Ext: 40 Tot: 50 Passing Min Int: 4 Ext 16 Tot 20

Course Code(s)   **Title of the Course(s)**
15EXCIV : GIMP LAB

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
1	MEU14M143	SUGANYA T	15EXCIV	—	99	99	Pass
2	MEU15M0001	AARTHI T	15EXCIV	—	100	100	Pass
3	MEU15M0002	ABIRAMI R	15EXCIV	—	99	99	Pass
4	MEU15M0003	ANANTHI D	15EXCIV	—	98	98	Pass
5	MEU15M0004	ARUNA R	15EXCIV	—	70	70	Pass
6	MEU15M0005	DHANALAKSHMI R	15EXCIV	—	99	99	Pass
7	MEU15M0006	GAYATHRI J	15EXCIV	—	99	99	Pass
8	MEU15M0007	GEETHA S	15EXCIV	—	99	99	Pass
9	MEU15M0008	GOWSALYA V	15EXCIV	—	98	98	Pass
10	MEU15M0009	JEEVA A	15EXCIV	—	95	95	Pass
11	MEU15M0010	JEEVITHA M	15EXCIV	—	90	90	Pass
12	MEU15M0011	KAVYA C	15EXCIV	—	95	95	Pass
13	MEU15M0012	KEERTHANA S (07-02-1996)	15EXCIV	—	95	95	Pass
14	MEU15M0013	KEERTHANA S (15-06-1996)	15EXCIV	—	94	94	Pass
15	MEU15M0014	KEERTHANA V	15EXCIV	—	98	98	Pass
16	MEU15M0015	MADHURA S	15EXCIV	—	88	88	Pass
17	MEU15M0016	MAHALAKSHMI R	15EXCIV	—	94	94	Pass
18	MEU15M0017	MANONMANI R	15EXCIV	—	94	94	Pass
19	MEU15M0018	MATHUMITHA J	15EXCIV	—	88	88	Pass
20	MEU15M0019	PRIYA A	15EXCIV	—	89	89	Pass
21	MEU15M0020	PRIYADHARSINI R	15EXCIV	—	93	93	Pass
22	MEU15M0021	PRIYATHARSHINI N	15EXCIV	—	100	100	Pass
23	MEU15M0022	RAJESHWARI K	15EXCIV	—	94	94	Pass
24	MEU15M0023	RAJESHWARI P	15EXCIV	—	99	99	Pass
25	MEU15M0024	RAMYA D	15EXCIV	—	94	94	Pass
26	MEU15M0025	RAMYA M	15EXCIV	—	100	100	Pass
27	MEU15M0026	ROBINAJAYAM V	15EXCIV	—	98	98	Pass
28	MEU15M0027	SANTHIYA R	15EXCIV	—	92	92	Pass
29	MEU15M0030	SIVARANJANI R	15EXCIV	—	88	88	Pass
30	MEU15M0031	SIVARANJANI S	15EXCIV	—	89	89	Pass
31	MEU15M0032	SURYA B	15EXCIV	—	98	98	Pass
32	MEU15M0033	VANMATHI S	15EXCIV	—	99	99	Pass
33	MEU15M0034	VASUMATHI R	15EXCIV	—	90	90	Pass
34	MEU15M0035	VINITHA K	15EXCIV	—	100	100	Pass
35	MEU15M0036	DHINESH M	15EXCIV	—	88	88	Pass
36	MEU15M0037	JAGADEESH S	15EXCIV	—	98	98	Pass
37	MEU15M0038	THANAPAL M	15EXCIV	—	95	95	Pass
38	MEU15M0113	SARUMATHI G	15EXCIV	—	89	89	Pass
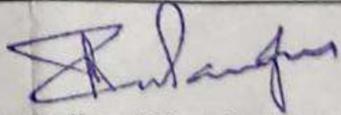
Controller of Examinations

Controller of Examinations
Nehru Memorial College (Autonomous)
Puthanampatti - 621 007
Tiruchirappalli District.
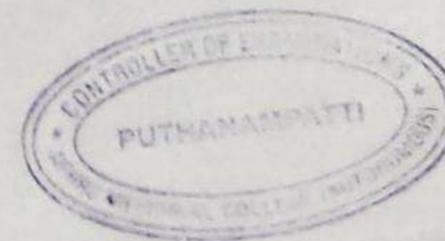
*** - Withheld   AAA - Absent   RA - Re-appear

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Tamil Nadu, INDIA.

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Golden Jubilee
(1967-2017)

CERTIFICATE

This is to certify that ARUNA , R. (MEU15M0004)

has successfully completed the Certificate Course on

" **GIMP LAB** *" conducted in* APRIL 2017 .

PRINCIPAL

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Tamil Nadu, INDIA.

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(1967-2017)

CERTIFICATE

This is to certify that <u>*KAVYA , C. (MEU15M0011)*</u>

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* <u>*APRIL   2017*</u> .

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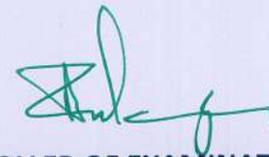**Puthanampatti – 621 007, Tiruchirappalli District,**
Tamil Nadu, INDIA.

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(1967-2017)

CERTIFICATE

This is to certify that **SURYA , B. (MEU15M0032)**

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* **APRIL 2017** .

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CERTIFICATE

This is to certify that <u>VINITHA , K. (MEU15M0035)</u>

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* <u>APRIL 2017</u> .

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Years
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(1967-2017)

CERTIFICATE

This is to certify that <u>THANAPAL , M. (MEU15M0038)</u>

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* <u>APRIL 2017</u> .

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