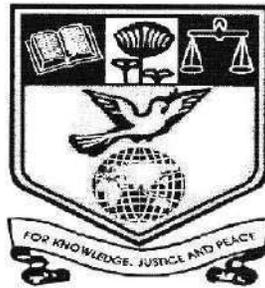**NEHRU MEMORIAL COLLEGE (Autonomous)**
(Nationally accredited with A grade by NAAC)
PUTHANAMPATTI

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** • 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.	

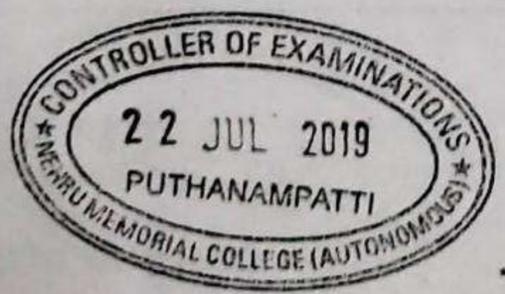| Subject with Internal	Subject without Internal
Max. Marks Int: 25	Max. Marks Int: --
Ext: 75	Ext: 100
Tot: 100	Tot: 100
Passing Min. Int: 10	Passing Min Int: --
Ext: 30	Ext: 40
Tot: 40	Tot: 40

NEHRU MEMORIAL COLLEGE
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PUTHANAMPATTI
UG - Degree Examinations - February, 2019
RESULT
(For the candidates admitted during 2017-2018)

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) : 15EXCIV Title of the Course(s) : EXC - IV - GIMP LAB

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
1	MEU17M0001	AMUTHA. K	15EXCIV	--	100	100	Pass
2	MEU17M0002	AMUTHA. R	15EXCIV	--	100	100	Pass
3	MEU17M0003	AMUTHAVALLI. S	15EXCIV	--	100	100	Pass
4	MEU17M0004	ANITHA. S.S	15EXCIV	--	100	100	Pass
5	MEU17M0005	ANURADHA. D	15EXCIV	--	98	98	Pass
6	MEU17M0006	DHIVYA. D	15EXCIV	--	98	98	Pass
7	MEU17M0007	DHURKA. M	15EXCIV	--	97	97	Pass
8	MEU17M0008	GAYATHIRI. M	15EXCIV	--	97	97	Pass
9	MEU17M0010	JEEVITHA. C	15EXCIV	--	96	96	Pass
10	MEU17M0011	JOTHIPRIYADHARSHINI. S	15EXCIV	--	100	100	Pass
11	MEU17M0012	KANMANI. P	15EXCIV	--	98	98	Pass
12	MEU17M0013	KAVITHA. P	15EXCIV	--	98	98	Pass
13	MEU17M0014	KRISHNAVENI. A.M	15EXCIV	--	100	100	Pass
14	MEU17M0015	LAKSHMIDEVI. P	15EXCIV	--	100	100	Pass
15	MEU17M0016	MAHADHARSHINI. V	15EXCIV	--	100	100	Pass
16	MEU17M0017	MANJULA. P	15EXCIV	--	98	98	Pass
17	MEU17M0019	NIVEDHA. D	15EXCIV	--	100	100	Pass
18	MEU17M0020	NIVEDHA. M	15EXCIV	--	98	98	Pass
19	MEU17M0021	PAVITHRA. R	15EXCIV	--	98	98	Pass
20	MEU17M0022	POOVARASI. R	15EXCIV	--	98	98	Pass
21	MEU17M0023	PRAVEENA. S	15EXCIV	--	98	98	Pass
22	MEU17M0024	PRIYANKA. A	15EXCIV	--	98	98	Pass
23	MEU17M0025	PRIYANKA. S	15EXCIV	--	100	100	Pass

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Nehru Memorial College (Autonomous)
Puthanampatti - 621 007

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Page No. : 1

NEHRU MEMORIAL COLLEGE
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PUTHANAMPATTI
UG - Degree Examinations - February, 2019
RESULT
(For the candidates admitted during 2017-2018)

	Subject with Internal	Subject without Internal		T/L Theory	T/L Lab	Overall T/L
Max. Marks	Int: 25	Int: —	Max Marks	Int: 15	Max. Marks Int: 10	Max. Marks Int:
	Ext: 75	Ext: 100		Ext: 45	Ext: 30	Ext:
	Tot: 100	Tot: 100		Tot: 60	Tot: 40	Tot:
Passing Min.	Int: 10	Int: —	Passing Min.	Int: 6	Int: 4	Passing Min. Int:
	Ext: 30	Ext: 40		Ext: 18	Ext: 12	Ext:
	Tot: 40	Tot: 40		Tot: 24	Tot: 16	Tot:

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

Course Code(s) : 15EXCIV
Title of the Course(s) : EXC – IV – GIMP LAB

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res	SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
24	MEU17M0026	RESHMA. B	15EXCIV	—	98	98	Pass	35	MEU17M0037	VISHNUPRIYA. G	15EXCIV	—	98	98	Pass
25	MEU17M0027	SHALINI. K	15EXCIV	—	98	98	Pass	36	MEU17M0038	YUVAPRIYA. N	15EXCIV	—	98	98	Pass
26	MEU17M0028	SIVAKA. S	15EXCIV	—	100	100	Pass	37	MEU17M0039	MANORANJITH. D	15EXCIV	—	98	98	Pass
27	MEU17M0029	SOBIYA. S	15EXCIV	—	100	100	Pass	38	MEU17M0040	MATHIVANAN. D	15EXCIV	—	100	100	Pass
28	MEU17M0030	SOWMIYA. V	15EXCIV	—	97	97	Pass	39	MEU17M0041	PERIYASAMY. R	15EXCIV	—	98	98	Pass
29	MEU17M0031	SUBHA. R	15EXCIV	—	98	98	Pass	40	MEU17M0047	AKILANDESWARI A	15EXCIV	—	100	100	Pass
30	MEU17M0032	SUBHASHINI. S	15EXCIV	—	98	98	Pass	41	MEU17M0058	DHANUSRI C	15EXCIV	—	100	100	Pass
31	MEU17M0033	SURYA. R	15EXCIV	—	100	100	Pass	42	MEU17M0059	DHARANI M	15EXCIV	—	70	70	Pass
32	MEU17M0034	THAMARAISELVI. R	15EXCIV	—	94	94	Pass	43	MEU17M0061	DHARSHA M	15EXCIV	—	100	100	Pass
33	MEU17M0035	VIJI B	15EXCIV	—	98	98	Pass	44	MEU17M0062	DHIVYAA D	15EXCIV	—	98	98	Pass
34	MEU17M0036	VIJITHA. R	15EXCIV	—	98	98	Pass	45	MEU17M0065	EZHILARASI V	15EXCIV	—	100	100	Pass
								46	MEU17M0068	GAYATHRI D	15EXCIV	—	100	100	Pass

22 JUL 2019
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Page No. : 2

NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)
PUTHANAMPATTI
UG - Degree Examinations - February, 2019
RESULT
(For the candidates admitted during 2017-2018)

	Subject with Internal	Subject without Internal		T/L Theory	T/L Lab	Overall T/L
Max. Marks	Int: 25	Max. Marks	Int: —	Max Marks Int: 15	Max. Marks Int: 10	Max. Marks Int: 25
	Ext: 75		Ext: 100	Ext: 45	Ext: 30	Ext: 75
	Tot: 100		Tot: 100	Tot: 60	Tot: 40	Tot: 100
Passing Min.	Int: 10	Passing Min	Int: —	Passing Min. Int: 6	Passing Min. Int: 4	Passing Min. Int: 10
	Ext: 30		Ext: 40	Ext: 18	Ext: 12	Ext: 30
	Tot: 40		Tot: 40	Tot: 24	Tot: 16	Tot: 40

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

Course Code(s) : 15EXCIV

Title of the Course(s) : EXC - IV - GIMP LAB

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
47	MEU17M0075	JANAPRIYA S	15EXCIV	--	100	100	Pass
48	MEU17M0078	JEEVITHA R	15EXCIV	--	100	100	Pass
49	MEU17M0079	JOTHIKA S	15EXCIV	--	100	100	Pass
50	MEU17M0083	KARPAGAVALLI C	15EXCIV	--	100	100	Pass
51	MEU17M0085	KAVITHA J	15EXCIV	--	100	100	Pass
52	MEU17M0086	KAVIYA N	15EXCIV	--	100	100	Pass
53	MEU17M0092	LAVANYA K	15EXCIV	--	100	100	Pass
54	MEU17M0093	MADHUSUDHA M	15EXCIV	--	100	100	Pass
55	MEU17M0095	MAHESWARI S	15EXCIV	--	90	90	Pass
56	MEU17M0097	MALAVIKA M	15EXCIV	--	100	100	Pass
57	MEU17M0098	MALINI R	15EXCIV	--	100	100	Pass
58	MEU17M0100	MATHURA S	15EXCIV	--	100	100	Pass
59	MEU17M0102	MYTHILY A	15EXCIV	--	90	90	Pass
60	MEU17M0103	NANDHINI J	15EXCIV	--	100	100	Pass
61	MEU17M0107	PARVATHI N	15EXCIV	--	100	100	Pass
62	MEU17M0110	PRADEEPA B	15EXCIV	--	100	100	Pass
63	MEU17M0114	PRIYADHARSHINI M	15EXCIV	--	100	100	Pass
64	MEU17M0118	RAGAVI R	15EXCIV	--	80	80	Pass
65	MEU17M0119	RANJITHA G	15EXCIV	--	90	90	Pass
66	MEU17M0122	SABEENA S	15EXCIV	--	90	90	Pass
67	MEU17M0125	SAMEERA BANU A	15EXCIV	--	100	100	Pass
68	MEU17M0128	SASIREKA D	15EXCIV	--	100	100	Pass
69	MEU17M0129	SELVALAKSHMI R	15EXCIV	--	100	100	Pass

*** - Withheld   AAA - Absent

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NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)
PUTHANAMPATTI
UG - Degree Examinations - February, 2019
RESULT
(For the candidates admitted during 2017-2018)

Subject with Internal	Subject without Internal	T/L Theory	T/L Lab	Overall T/L
Max. Marks Int: 25	Max. Marks Int: --	Max Marks Int: 15	Max. Marks Int: 10	Max. Marks Int: 25
Ext: 75	Ext: 100	Ext: 45	Ext: 30	Ext: 75
Tot: 100	Tot: 100	Tot: 60	Tot: 40	Tot: 100
Passing Min. Int: 10	Passing Min Int: --	Passing Min. Int: 6	Passing Min. Int: 4	Passing Min. Int: 10
Ext: 30	Ext: 40	Ext: 18	Ext: 12	Ext: 30
Tot: 40	Tot: 40	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
70	MEU17M0132	SHARMILADEVI A	15EXCIV	--	100	100	Pass
71	MEU17M0135	SIVARANJANI K.S	15EXCIV	--	100	100	Pass
72	MEU17M0138	SUBASHINI P	15EXCIV	--	100	100	Pass
73	MEU17M0142	SUGANYA M	15EXCIV	--	100	100	Pass
74	MEU17M0145	TAMILSELVI P	15EXCIV	--	90	90	Pass
75	MEU17M0147	VANITHA B	15EXCIV	--	AAA	AAA	AAA
76	MEU17M0148	VANMATHI T	15EXCIV	--	100	100	Pass
77	MEU17M0150	VIJIPRIYA S	15EXCIV	--	100	100	Pass
78	MEU17M0151	VIVITHAKUMARI M	15EXCIV	--	100	100	Pass
79	MEU17M0152	YASOTHA S	15EXCIV	--	90	90	Pass
80	MEU17M0153	YAMUNA M	15EXCIV	--	100	100	Pass

SNo.	Reg. No	Name of the Candidate(s)	Sub. Code	Int	Ext	Tot	Res
81	MEU17M0155	YOGESWARI K	15EXCIV	--	100	100	Pass
82	MEU17M0163	DHANAVEL M	15EXCIV	--	80	80	Pass
83	MEU17M0174	PALANIVASAN G	15EXCIV	--	70	70	Pass
84	MEU17M0183	SAKTHEESWAR P	15EXCIV	--	98	98	Pass
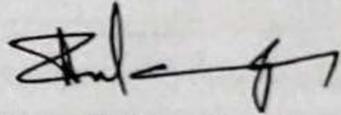
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Tiruchirappalli District.

[Seal: CONTROLLER OF EXAMINATIONS 22 JUL 2019 PUTHANAMPATTI NEHRU MEMORIAL COLLEGE (AUTONOMOUS)]
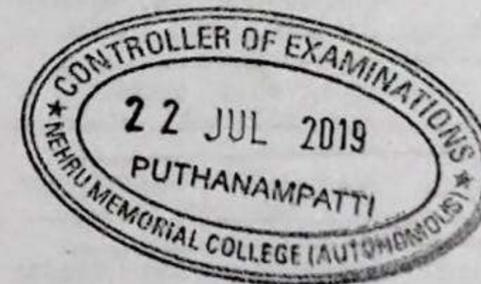
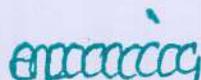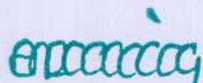*** - Withheld   AAA - Absent   RA - Re-appear

NEHRU MEMORIAL COLLEGE

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Recognised by UGC under Section 2(f) and 12B of the UGC Act 1956)
Puthanampatti – 621 007, Tiruchirappalli District,
Tamil Nadu, INDIA.

(1967-2017)

CERTIFICATE

This is to certify that *JEEVITHA , C. (MEU17M0010)*

has successfully completed the Certificate Course on

" GIMP LAB " conducted in *FEBRUARY 2019* .

PRINCIPAL

1 2 MAR 2019
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NEHRU MEMORIAL COLLEGE

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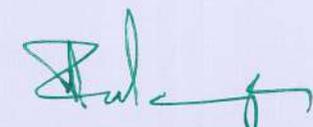**Puthanampatti – 621 007, Tiruchirappalli District,**
Tamil Nadu, INDIA.

50
Golden Jubilee
(1967-2017)

CERTIFICATE

This is to certify that <u>BHARATHI , S. (MEU16M0002)</u>
has successfully completed the Certificate Course on
*" **GIMP LAB** " conducted in* <u>FEBRUARY 2019</u> .

PRINCIPAL

12 MAR 2019
PUTHANAMPATTI
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Puthanampatti - 621 007
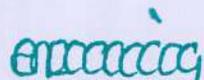Tiruchirappalli District.

NEHRU MEMORIAL COLLEGE

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

50
Golden Jubilee
(1967-2017)

CERTIFICATE

This is to certify that <u>NIVEDHA , D. (MEU17M0020)</u>

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* <u>FEBRUARY 2019</u> .

PRINCIPAL

1 2 MAR 2019
PUTHANAMPATTI

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Tamil Nadu, INDIA.
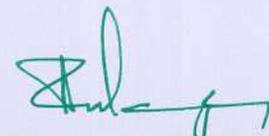
50
Golden Jubilee
(1967-2017)

CERTIFICATE

This is to certify that *PRADEEPA , B. (MEU17M0110)*

has successfully completed the Certificate Course on

" GIMP LAB " conducted in *FEBRUARY 2019* .

PRINCIPAL

CONTROLLER OF EXAMINATIONS
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PUTHANAMPATTI
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Nehru Memorial College (Autonomous)
Puthanampatti - 621 007
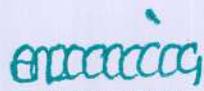**Tiruchirappalli District.**

NEHRU MEMORIAL COLLEGE

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

50 Years
Golden Jubilee
(1967-2017)

CERTIFICATE

This is to certify that YAMUNA , M. (MEU17M0153)

has successfully completed the Certificate Course on

*" **GIMP LAB** " conducted in* FEBRUARY 2019 .

PRINCIPAL

1 2 MAR 2019
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