

**NAAC**  
Accreditation  
Cycle - 3

**SSR**  
Documents



# THUNCHAN MEMORIAL GOVT. COLLEGE, TIRUR

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Criterion 1  
Curricular Aspects

## 1.2.1



Add on Courses  
Department of Mathematics  
2019-20



**DEPARTMENT OF MATHEMATICS  
T.M. GOVT. COLLEGE, TIRUR**

***ADD ON COURSES 2019-20***

**TMGCMAT 01: LATEX for Beginners**

**TMGCMAT 02: Statistical Analysis Using SPSS**

**TMGCMAT 03 : INTRODUCTION TO PHYTHON**

**TMGCMAT 04: Introduction to C Programming**

**For registration:  
[hodmaths@tmgctirur.ac.in](mailto:hodmaths@tmgctirur.ac.in)**



python™



**IBM  
SPSS**



**DEPARTMENT OF MATHEMATICS**

**T M GOVT COLLEGE, TIRUR**

**(ADD ON COURSE 2019-20)**

## **NAME OF THE COURSE: LATEX FOR BEGINNERS**

COURSE CODE :TMGCMAT 01

DURATION: 30 Hrs.

TARGET LEARNERS: 46 STUDENTS FROM DEPARTMENT OF MATHEMATICS

ELIGIBILITY: 10+2+ADMISSION ON B Sc MATHEMATICS

### **OBJECTIVES:**

1. The objective of the course is to develop competency in technical writing in students.
2. This course has been designed to provide a clear understanding of the basics of technical writing which will enable the participants to communicate their ideas effectively in the form of technical reports, journal papers etc., by using the technical writing tool LaTeX.

### **OUTCOME OF THIS COURSE :**

1. After successfully qualifying practical examination, students will be awarded certificate .
2. Students can typeset their own journal articles, technical reports, books, and slide presentations in all science subjects.



**RAJISH KUMAR. P.**  
ASSISTANT PROFESSOR  
P.G. DEPARTMENT OF MATHEMATICS  
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## PREAMBLE OF THE ADD ON COURSE

LaTeX is a document typesetting system that is used to produce high quality scientific documents, like articles, books, dissertations, technical reports, etc. Expertise in drafting technical documents is an indispensable skill for all professionals for it helps them to share their knowledge of technical subjects effectively in all domains of society and thus makes them competent in their professional careers.



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RAJISH KUMAR. P.  
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## SYLLABUS

**Text: Lamport, Leslie. LaTeX: A Document Preparation System( 2/e) Pearson Education India, 1994.**

### **Module 1: (15 hrs)**

Type setting using LATEX: Document classes, Modifying Text, Dividing the document, Environments, Typesetting Equations, Arrays and matrices, Floating bodies, Inserting Images, Example, Application (sec. 5.1 to 5.8 )

### **Module 11: (15 hrs)**

#### **Practical**

- 1) Type setting journal articles, technical reports, books, and slide presentations.
- 2) Automatic generation of bibliographies and indexes
- 3) Formatting documents containing sectioning, cross references, tables, equations and figures.

#### **REFERENCES:**

- 1) Hahn, Jane: LATEX for Everyone. Prentice Hall PTR, 1993
- 2) Grätzer, George: Math into LATEX. Springer Science & Business Media, 2013
- 3) Python for Education - Learning Maths and Physics using Python: Ajith Kumar B.P Inter University Accelerator Centre 2010



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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 01: LATEX for Beginners**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SELECTED STUDENTS**

Sl no.	Admission number	Name	Signature
1	8391	FARSHAD K	Farshad
2	8379	FATHIMA RULA A	Rula
3	8490	MUBASHIRA M	Mubashira
4	8499	NAJEED P	Najeed
5	8479	RISHANA P P	Rishana
6	8384	SHABNA K	Shabna
7	8407	SHAHEERA FARSA NA K	Shahera
8	8498	SHANA M	Shana
9	8562	AKHIL P	Akhil
10	8497	ATHULDAS V T	Athul
11	8489	ATHUL POOZHAMMAL	Athul
12	8621	BADUSHA SHERIN M	Badusha
13	8468	DRISYA K K	Drishya
14	8417	GEETHU K	Geethu
15	8480	HARSHA A K	Harsha
16	8313	HARSHA T P	Harsha
17	8470	LIYANA NARGEES A P	Liyana
18	8618	NAFEELA V	Nafeela
19	8607	NAJEELA V	Najeela
20	8580	RITHIKDAS P	Rithik
21	8393	SAHEER ANAS A K	Saheer
22	8291	SHIMNA M	Shimna
23	8626	VISHNUMAYA E	Vishnumaya
24	8595	AFSAL M	Afsal
25	8487	AJITH K	Ajith
26	8408	AKHILGOPI M	Akhil
27	8317	AKSHAY P K	Akshay
28	8290	DRISYA P	Drishya
29	8594	FARHANATH K	Farhanath
30	8397	FASNA T	Fasna
31	8303	HAFSATH KUNNAMTHARA	Hafsath
32	8294	HAREESH K	Hareesh
33	8465	HARITHA P C	Haritha
34	8367	HARSHA A V	Harsha
35	8301	JASNA SHAIHANAS V K	Jasna
36	8314	JAYAKRISHINAN TK	Jayakrishnan
37	8462	MAJIDHA THASLI P	Majidha
38	8363	MUHSINA SHERIN C C	Muhsina
39	8311	NIBHA K P	Nibha
40	8605	PRJYANA M	Prjyana
41	8469	RUKSANA	Ruksana



**RAJISH KUMAR. P.**  
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 DEPARTMENT OF MATHEMATICS  
 T.M. GOVT COLLEGE, TIRUR  
 P.O. VADAKKANGAL, TIRUR

42	8495	SHANIBA P	Shaniba P
43	8361	SRUTHI SUKUMARAN V P	Sruthi
44	8336	SUBINA P T	Subina P.
45	8492	THEFA MOL P	Thefa.
46	8310	VIBISHA K	Vibisha



*Rajish Kumar P.*

RAJISH KUMAR. P.  
 ASSISTANT PROFESSOR  
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 T.M. GOVERNMENT COLLEGE  
 P.O. VAKKAD, TIRUR - 576 502



**ATTENDANCE LIST OF ADD ON COURSE (2019-20)**  
**TMGCMAT 01: LATEX for Beginners**  
**ATTENDANCE SHEET**

Sl No.	Name	time	date	hour
1	FARSHAD K	X	4-5 pm	27/08/19
2	FATHIMA RULA A	X	4-5 pm	29/08/19
3	MUBASHIRA M	X	4-5 pm	30/08/19
4	NAJEED P	X	10-11 am	31/08/19
5	RISHANA P P	X	11-12 am	31/08/19
6	SHABNA K	X	12-1 pm	31/08/19
7	SHAHEERA FARSAANA K	X	4-5 pm	2/09/19
8	SHANA M	X	4-5 pm	2/09/19
9	AKHIL P	X	4-5 pm	4/09/19
10	ATHULIDAS V T	X	4-5 pm	6/09/19
11	ATHUL POOZHAMMAL	X	4-5 pm	24/09/19
12	BADUSHA SHERIN M	X	4-5 pm	25/09/19
13	DRISYA K K	X	9-10 am	26/9/19
14	GEETHU K	X	9-10 am	27/9/19
15	HARSHA A K	X	10-11 am	28/9/19
16	HARSHA T P	X	11-12 pm	28/9/19
17	LIYANA NARGEES A P	X	12-1 pm	28/9/19
18	NAFEELA V	X	9-10 am	30/9/19
19	NAJEELA V	X	9-10 am	3/10/19
20	RITHIKDAS P	X	4-5 pm	4/10/19
21	SAHEER ANAS A K	X	4-5 pm	5/10/19
22	SHIMNA M	X	9-10 am	14/10/19
23	VISHNUMAYYA E	X	9-10 am	15/10/19
		X	9-10 am	16/10/19
		X	4-5 pm	17/10/19
		X	10-11 am	19/10/19
		X	11-12 pm	19/10/19
		X	12-1 pm	19/10/19
		X	4-5 pm	22/10/19
		X	4-5 pm	4/11/19

*Handwritten signatures and initials:*  
 Farshad, Fathima, Mubashira, Najeed, Rishana, Shabna, Shaheera, Shana, Akhil, Athul, Athul, Badusha, Drisya, Geethu, Harsha, Harsha, Liyana, Nafeela, Najeela, Rithik, Saheer, Shimna, Vishnumaya.



**RAJISH KUMAR. P.**  
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Sl No.	Name	time	date	hour	
24	AFSAL M	X	4-5 Pm	27/2/19	1
25	AJITH K	X	4-5 Pm	29/2/19	2
26	AKHIL GOPI M	X	4-5 Pm	30/2/19	3
27	AKSHAY P K	X	4-5 Pm	31/2/19	4
28	DRISYA P	X	10-11am	31/2/19	5
29	FARHANATH K	X	11-12pm	31/2/19	6
30	FASNA T	X	12-1 Pm	31/2/19	7
31	HAFSATH KUNNAMTHARA	X	4-5 Pm	2/9/19	8
32	HAREESH K	X	4-5 Pm	3/9/19	9
33	HARITHA P C	X	4-5 Pm	4/9/19	10
34	HARSHA A V	X	4-5 Pm	6/9/19	11
35	JASNA SHAHANAS V K	X	4-5 Pm	24/9/19	12
36	JAYAKRISHNAN TK	X	4-5 Pm	25/9/19	13
37	MAJIDHA THASLI P	X	9-10am	26/9/19	14
38	MUHSINA SHERIN C C	X	9-10am	27/9/19	15
39	NIBHA K P	X	10-11am	29/9/19	16
40	PRITYANA M	X	11-12pm	29/9/19	17
41	RUKSANA T	X	9-10am	30/9/19	18
42	SHANIBA P	X	9-10am	3/10/19	19
43	SRUTHI SUKUMARAN V P	X	4-5 Pm	4/10/19	20
44	SUBINA P T	X	4-5 Pm	5/10/19	21
45	THEFA MOL P	X	9-10am	14/10/19	22
46	VIBISHA K	X	9-10am	15/10/19	23
		X	9-10am	16/10/19	24
		X	4-5 Pm	17/10/19	25
		X	10-11am	19/10/19	26
		X	11-12pm	19/10/19	27
		X	12-1 Pm	19/10/19	28
		X	4-5 Pm	22/10/19	29
		X	4-5 Pm	4/11/19	30



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[Handwritten signatures and names at the bottom of the page, including 'Ajith', 'AKHIL', 'AKSHAY', 'DRISYA', 'FARHANATH', 'FASNA', 'HAFSATH', 'HAREESH', 'HARITHA', 'HARSHA', 'JASNA', 'JAYAKRISHNAN', 'MAJIDHA', 'MUSINA', 'NIBHA', 'PRITYANA', 'RUKSANA', 'SHANIBA', 'SRUTHI', 'SUBINA', 'THEFA', 'VIBISHA']

**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

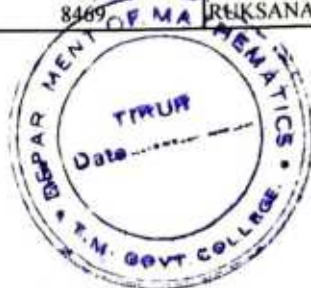
**TMGCMAT 01: LATEX for Beginners**

Academic Year : 2019-20

Periods of study: 30 Hours

**Mark List**

Sl no.	Admission number	Name	grade
1	8391	FARSHAD K	A
2	8379	FATHIMA RULA A	A
3	8490	MUBASHIRA M	A
4	8499	NAJEED P	A
5	8479	RISHANA P P	A
6	8384	SHABNA K	A
7	8407	SHAHEERA FARSANA K	A
8	8498	SHANA M	A
9	8562	AKHIL P	A
10	8497	ATHULDAS V T	A
11	8489	ATHUL POOZHAMMAL	A
12	8621	BADUSHA SHERIN M	A
13	8468	DRISYA K K	A
14	8417	GEETHU K	A
15	8480	HARSHA A K	A
16	8313	HARSHA T P	A
17	8470	LIYANA NARGEES A P	A
18	8618	NAFEELA V	A
19	8607	NAJEELA V	A
20	8580	RITHIKDAS P	A
21	8393	SAHEER ANAS A K	A
22	8291	SHIMNA M	A
23	8626	VISHNUMAYA E	A
24	8595	AFSAL M	A
25	8487	AJITH K	A
26	8408	AKHILGOPI M	A
27	8317	AKSHAY P K	A
28	8290	DRISYA P	A
29	8594	FARHANATH K	A
30	8397	FASNA T	A
31	8303	HAFSATH KUNNAMTHARA	A
32	8294	HAREESH K	A
33	8465	HARITHA P C	A
34	8367	HARSHA A V	A
35	8301	JASNA SHAHANAS V K	A
36	8314	JAYAKRISHNAN TK	A
37	8462	MAJIDHA THASLI P	A
38	8363	MUHSINA SHERIN C C	A
39	8311	NIBHA K P	A
40	8605	PRIYANA M	A
41	8469	REKSA NA T	A



*(Signature)*  
**RAJISH KUMAR. P.**  
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 P.G. DEPARTMENT OF MATHEMATICS  
 T.M. GOVERNMENT COLLEGE  
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42	8495	SHANIBA P	A
43	8361	SRUTHI SUKUMARAN V P	A
44	8336	SUBINA P T	A
45	8492	THEFA MOL P	A
46	8310	VIBISHA K	A



*Rajish Kumar P.*

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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 01: LATEX for Beginners**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SUCCESSFULLY COMPLETED STUDENTS**

Sl no.	Admission number	Name
1	8391	FARSHAD K
2	8379	FATHIMA RULA A
3	8490	MUBASHIRA M
4	8499	NAJEED P
5	8479	RISHANA P P
6	8384	SHABNA K
7	8407	SHAHEERA FARSANA K
8	8498	SHANA M
9	8562	AKHIL P
10	8497	ATHULDAS V T
11	8489	ATHUL POOZHAMMAL
12	8621	BADUSHA SHERIN M
13	8468	DRISYA K K
14	8417	GEETHU K
15	8480	HARSHA A K
16	8313	HARSHA T P
17	8470	LIYANA NARGEES A P
18	8618	NAFEELA V
19	8607	NAJEELA V
20	8580	RITHIKDAS P
21	8393	SAHEER ANAS A K
22	8291	SHIMNA M
23	8626	VISHNUMAYA E
24	8595	AFSAL M
25	8487	AJITH K
26	8408	AKHILGOPI M
27	8317	AKSHAY P K
28	8290	DRISYA P
29	8594	FARHANATH K
30	8397	FASNA T
31	8303	HAFSATH KUNNAMTHARA
32	8294	HAREESH K
33	8465	HARITHA P C
34	8367	HARSHA A V
35	8301	JASNA SHAHANAS V K
36	8314	JAYAKRISHNAN TK
37	8462	MAJIDHA THASLI P
38	8363	MUHSINA SHERIN C C
39	8311	NIBHA K P
40	8605	PRIYANA M
41	8469	RUKSANA T



*[Signature]*  
**RAJISH KUMAR, P.**  
 ASSISTANT PROFESSOR  
 P.G. DEPARTMENT OF MATHEMATICS  
 T.M. GOVERNMENT COLLEGE  
 P.O. VAKKAD, TIRUR - 676 011

42	8495	SHANIBA P
43	8361	SRUTHI SUKUMARAN V P
44	8336	SUBINA P T
45	8492	THEFA MOL P
46	8310	VIBISHA K



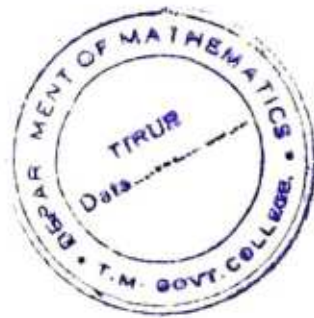
*Rajish Kumar*

RAJISH KUMAR, P.  
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**THUNCHAN MEMORIAL GOVT. COLLEGE , TIRUR  
DEPARTMENT OF MATHEMATICS**

**Course Summary Report**

The Add on course on "Latex for Beginners " was offered to the third BSc Mathematics students by the PG Department of Mathematics, TMG College, Tirur. Mr.Vinod Kumar P was appointed as Course Coordinator. The Registration Process of the course was started on 08.07.2019. 46 students of third B Sc Mathematics were enrolled and attended the course. The course classes started on 27 August 2019. The classes were closed on 04.11.2019. The examination was conducted for 46 students on 03.12.2019 and all these students were attended the exam. The result of the course exam was published on 06.12.2019 and was with a pass percentage of 100.



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**THUNCHAN MEMORIAL  
GOVERNMENT COLLEGE, TIRUR**  
VAKKAD PO, MALAPPURAM DT, KERALA ST, INDIA, PIN: 676 502  
Email:tmgctirur@gmail.com, Website:www.tmgctirur.ac.in

## *Certificate*

*It is certified by duly appointed examiners that*

***MUBASHIRA M***

*8490, Third B Sc Mathematics  
has qualified*

***LATEX for Beginners***

*offered by the*

***the Department of Mathematics***

*He / She has been placed in A Grade*

*for the examination held in*

***March 2020***

**Given under the Seal of the College.**



**Head of the Department**



**Principal**







**DEPARTMENT OF MATHEMATICS**

**T M GOVT COLLEGE, TIRUR**

**(ADD ON COURSE 2019-20)**

**NAME OF THE COURSE: STATISTICAL ANALYSIS USING SPSS**

COURSE CODE : TMGCMAT 02

DURATION: 30 Hrs.

TARGET LEARNERS: 38 STUDENTS FROM DEPARTMENT OF MATHEMATICS

ELIGIBILITY: 10+2+ADMISSION ON B Sc MATHEMATICS

**OBJECTIVES:**

1. The objective of the course is to provide participants with a basic knowledge of the program in order to be able to use it in a socio-economic context and in the exploration of corporate data.
2. The Course will be focus on how to analyse survey questionnaire using SPSS software.

**OUTCOME OF THIS COURSE :**

1. After successfully qualifying practical examination, students will be awarded certificate.
2. Upon successful completion of this course, the student should be able to:
  - Understand the main features of SPSS
  - Perform descriptive analyses with SPSS

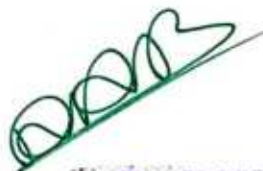


*Rajish Kumar P.*

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T.M. GOVERNMENT COLLEGE  
P.O. VAKKAD, TIRUR - 676 502

## PREAMBLE OF THE ADD ON COURSE

SPSS, standing for Statistical Package for the Social Sciences, is a powerful, user-friendly software package for the manipulation and statistical analysis of data. SPSS can produce basic descriptive statistics, such as averages and frequencies, as well as advanced tests such as time-series analysis and multivariate analysis. The program also is capable of producing high-quality graphs and tables. Knowing how to make the program work for you now will make future work in independent research projects and beyond much easier and more sophisticated.



**RAJISH KUMAR. P.**  
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## SYLLABUS

**Text: Vijay Gupta, SPSS for Beginners, Published by VJ Books Inc, 1999.**

**Module 1: (10 hrs)**

**Introduction to SPSS and Exploratory Data Analysis-** Data analysis with SPSS- general aspects, workflow, SPSS: general description, functions, menus, commands

**Module 2: (10 hrs)**

**Descriptive analysis using SPSS –** Frequencies, Descriptives, Explore, Charts

**Module 3: (10 hrs)**

**Summary Statistics and correlation using SPSS -** Measures of central tendency, measures of dispersion, measures of skewness and Kurtosis, Correlation coefficient.

### **REFERENCES:**

- 1) Dan Flynn: Student Guide to SPSS, Barnard College | Department of Biological Sciences
- 2) Sabine Landau and Brian S. Everitt: A Handbook of Statistical Analyses using SPSS, Chapman & Hall/CRC, 2004



**RAJISH KUMAR. P.**  
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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 02: Statistical Analysis Using SPSS**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SELECTED STUDENTS**

Sl no.	Admission number	Name	Signature
1	8829	AYISHA HUDA C K	<i>[Signature]</i>
2	8734	ERFHANA RIMCY T	<i>[Signature]</i>
3	8916	NIDA A K	<i>[Signature]</i>
4	8755	RIDAH P	<i>[Signature]</i>
5	8890	SUVAIBATHUL ASLAMIYYA	<i>[Signature]</i>
6	8767	ANUMOL A	<i>[Signature]</i>
7	8727	HABEEBA N P	<i>[Signature]</i>
8	8662	MAHIMA MANOJ V	<i>[Signature]</i>
9	8856	NIMISHA P P	<i>[Signature]</i>
10	8852	SHIFANA THESNI K P	<i>[Signature]</i>
11	8800	SIFANA NASRI	<i>[Signature]</i>
12	8787	SOORYAJA M K	<i>[Signature]</i>
13	8682	SREELAKSHMI K	<i>[Signature]</i>
14	8899	SREELAKSHMI SUKUMAR O K	<i>[Signature]</i>
15	8661	SRUTHISHA BALAKRISHNAN C	<i>[Signature]</i>
16	8671	VARADHA P T	<i>[Signature]</i>
17	8733	VARSHA T	<i>[Signature]</i>
18	8816	VINEETHA P	<i>[Signature]</i>
19	8814	AKHILDAS C	<i>[Signature]</i>
20	8912	HAREESH M	<i>[Signature]</i>
21	8964	AISWARIYA T P	<i>[Signature]</i>
22	8689	AISWARYA K V	<i>[Signature]</i>
23	8892	AJANYA P	<i>[Signature]</i>
24	8847	ANANYA T	<i>[Signature]</i>
25	8839	BABY VISMAYA K	<i>[Signature]</i>
26	8845	HARIPRIYA P	<i>[Signature]</i>
27	8805	KRISHNA A P	<i>[Signature]</i>
28	8963	NAJLA P	<i>[Signature]</i>
29	8692	SHAFNA I P	<i>[Signature]</i>
30	8941	SHIBIN SHINA E P	<i>[Signature]</i>
31	8895	SNEHA T P	<i>[Signature]</i>
32	8702	VISHNUPRIYA V	<i>[Signature]</i>
33	8790	VRINDA P P	<i>[Signature]</i>
34	8687	ASWIN S	<i>[Signature]</i>
35	8798	ATHUL K	<i>[Signature]</i>
36	8904	JINSHER V P	<i>[Signature]</i>
37	8799	JITIN R HARI	<i>[Signature]</i>
38	8698	VISHNU PRASAD T	<i>[Signature]</i>



*[Handwritten signature]*

**RAJISH KUMAR. P.**  
 ASSISTANT PROFESSOR  
 P.G. DEPARTMENT OF MATHEMATICS  
 T.M. GOVERNMENT COLLEGE  
 P.O. VAKKAD, TIRUR - 676 502

*[Handwritten initials]*





**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

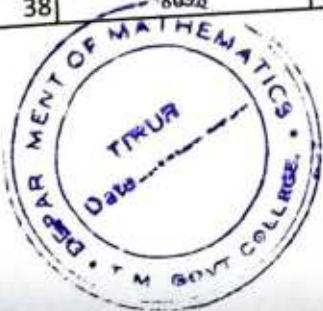
**TMGCMAT 02: Statistical Analysis Using SPSS**

Academic Year : 2019-20

Periods of study: 30 Hours

**MARK LIST**

Sl no.	Admission number	Name	GRADE
1	8829	AYISHA HUDA C K	A
2	8734	ERFHANA RIMCY T	A
3	8916	NIDA A K	A
4	8755	RIDAH P	A
5	8890	SUVAIBATHUL ASLAMIYYA	A
6	8767	ANUMOL A	A
7	8727	HABEEBA N P	A
8	8662	MAHIMA MANOJ V	A
9	8856	NIMISHA P P	A
10	8852	SHIFANA THESNI K P	A
11	8800	SIFANA NASRI	A
12	8787	SOORYAJA M K	A
13	8682	SREELAKSHMI K	A
14	8899	SREELAKSHMI SUKUMAR O K	A
15	8661	SRUTHISHA BALAKRISHNAN C	A
16	8671	VARADHA P T	A
17	8733	VARSHA T	A
18	8816	VINEETHA P	A
19	8814	AKHILDAS C	A
20	8912	HAREESH M	A
21	8964	AISWARIYA T P	A
22	8689	AISWARYA K V	A
23	8892	AJANYA P	A
24	8847	ANANYA T	A
25	8839	BABY VISMAYA K	A
26	8845	HARIPRIYA P	A
27	8805	KRISHNA A P	A
28	8963	NAJLA P	A
29	8692	SHAFNA I P	A
30	8941	SHIBIN SHINA E P	A
31	8895	SNEHA T P	A
32	8702	VISHNUPRIYA V	A
33	8790	VRINDA P P	A
34	8687	ASWIN S	A
35	8798	ATHUL K	A
36	8904	JINSHER V P	A
37	8799	JITIN R HARI	A
38	8698	VISHNU PRASAD T	A



*(Signature)*  
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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 02: Statistical Analysis Using SPSS**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SUCCESSFULLY COMPLETED STUDENTS**

Sl no.	Admission number	Name
1	8829	AYISHA HUDA C K
2	8734	ERFHANA RIMCY T
3	8916	NIDA A K
4	8755	RIDAH P
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7	8727	HABEEBA N P
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9	8856	NIMISHA P P
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11	8800	SIFANA NASRI
12	8787	SOORYAJA M K
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14	8899	SREELAKSHMI SUKUMAR O K
15	8661	SRUTHISHA BALAKRISHNAN C
16	8671	VARADHA P T
17	8733	VARSHA T
18	8816	VINEETHA P
19	8814	AKHILDAS C
20	8912	HAREESH M
21	8964	AISWARIYA T P
22	8689	AISWARYA K V
23	8892	AJANYA P
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25	8839	BABY VISMAYA K
26	8845	HARIPRIYA P
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28	8963	NAJLA P
29	8692	SHAFNA I P
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31	8895	SNEHA T P
32	8702	VISHNUPRIYA V
33	8790	VRINDA P P
34	8687	ASWIN S
35	8798	ATHUL K
36	8904	JINSHER V P
37	8799	JITIN R HARI
38	8698	VISHNU PRASAD T



*(Handwritten Signature)*

**RAJISH KUMAR. P.**  
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 P.O. VAKKAD, TIRUR - 676 502

THUNCHAN MEMORIAL GOVT. COLLEGE , TIRUR  
DEPARTMENT OF MATHEMATICS

Course Summary Report

The Add on course on "Statistical Analysis Using SPSS " was offered to the second BSc Mathematics students by the PG Department of Mathematics, TMG College, Tirur. Ms Jeena M P was appointed as Course Coordinator. The Registration Process of the course was started on 08.07.2019. 38 students of second B Sc Mathematics were enrolled and attended the course. The course classes started on 27 August 2019. The classes were closed on 04.11.2019. The examination was conducted for 38 students on 03.12.2019 and all these students were attended the exam. The result of the course exam was published on 06.12.2019 and was with a pass percentage of 100.



RAJISH KUMAR. P.  
ASSISTANT PROFESSOR  
P.G. DEPARTMENT OF MATHEMATICS  
T.M. GOVERNMENT COLLEGE  
P.O. VAKKAD, TIRUR - 676 502



  
**THUNCHAN MEMORIAL  
GOVERNMENT COLLEGE, TIRUR**  
VAKKAD PO, MALAPPURAM DT, KERALA ST, INDIA, PIN: 676 502  
Email:tmgctirur@gmail.com, Website:www.tmgctirur.ac.in

## *Certificate*

*It is certified by duly appointed examiners that*

***SHIBIN SHINA E P***

*8941, Second B Sc Mathematics  
has qualified*

***Statistical Analysis Using SPSS***

*offered by the*

***the Department of Mathematics***

*He / She has been placed in A Grade  
for the examination held in*

***March 2020***

**Given under the Seal of the College.**



Head of the Department



Principal

**Tirur: 31/03/2020**

# INTRODUCTION TO PYTHON

## COURSE OUTLINE

Course Code: TMGCMAT03

Overview

## Course Introduction

This course is an introduction to fundamental programming concepts by way of the Python programming language. Python is a high-level interpreted language that has many benefits, including easy-to-read and easy-to-write syntax and powerful libraries that provide additional functionality. Even though Python is a great programming language for beginners, it is also used extensively for practical applications in engineering and data science. This course is intended for people with no or very little prior programming experience. It covers a range of topics, such as data types, control flow, functions, file operations. When you finish this course, you will be able to create Python programs for a variety of applications.

## Prerequisite

This course has no prerequisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course.

## Targeted Group

M.Sc. Mathematics

## Duration

The course will be of 30 hours which are divided into 20 contact hours and 10 lab work hours. The class timings will be fixed based the convenience of the participants and the faculty, either on weekends or working days.

## Learning Outcome

When students' complete *INTRODUCTION TO PYTHON*, they will be able to:

- Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions
- The core data structures for creating useful programs: strings, lists, dictionaries, and file manipulation
- Work with user input to create fun and interactive programs

## Course Outline

Modules	Contact Hours	Lab Hours
<b>Unit 1. Fundamentals of Python</b> <ul style="list-style-type: none"> <li>▪ Introduction to Python</li> <li>▪ Running Python Programs</li> <li>▪ Writing Python code</li> </ul>	2 hours	-
<b>Unit 2. Operators</b> <ul style="list-style-type: none"> <li>▪ Arithmetic Operators</li> <li>▪ Comparison (Relational) Operators</li> <li>▪ Assignment Operators</li> <li>▪ Logical Operators</li> <li>▪ Bitwise Operators</li> <li>▪ Membership Operators</li> <li>▪ Identity Operators</li> </ul>	4 hours	3 hours
<b>Unit 3. Input and Flow Control Statements</b> <ul style="list-style-type: none"> <li>▪ Conditional Statements (if, if-else, if-else-if &amp; nested if-else)</li> <li>▪ Transfer Statements (Break, Continue &amp; Pass)</li> <li>▪ Iterative Statements (for &amp; while loops)</li> </ul>	4 hours	2 hours
<b>Unit 4. Data Structures I</b> <ul style="list-style-type: none"> <li>▪ Arrays</li> <li>▪ Lists &amp; Strings</li> </ul>	6 hours	3 hours
<b>Unit 5. Functions</b> <ul style="list-style-type: none"> <li>▪ Built-in Functions</li> <li>▪ User-Defined Functions</li> <li>▪ Types of arguments</li> <li>▪ Recursive Functions</li> </ul>	4 hours	2 hours

## Texts

Head-First Python: A Brain-Friendly Guide (2nd Edition)

Python Programming: An Introduction to Computer Science (3rd Edition)

Programming Python: Powerful Object-Oriented Programming (4th Edition)



*Rajish Kumar P.*



**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 03 : INTRODUCTION TO PHYTHON**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SELECTED STUDENTS**

Sl no.	Admission number	Name	Signature
1	9353	AASHIKA	<i>Aashika</i>
2	9340	AKHILA T P	<i>Akhila</i>
3	9342	ANAGHA U	<i>Anagha</i>
4	9240	ANU T V	<i>Anu</i>
5	9060	ARYA RAMESH	<i>Arya</i>
6	9016	ASWANI K V	<i>Aswani</i>
7	9305	ATHIRA M	<i>Athira</i>
8	8997	DELNA CHACKO	<i>Delna</i>
9	9321	DILSIYA M V	<i>Dilsiya</i>
10	9005	GREESHMA O D	<i>Greeshma</i>
11	9235	JUSAINA NARGEEES M	<i>Jusaina</i>
12	9056	NAYANA P	<i>Nayana</i>
13	9308	NAYANA V R	<i>Nayana</i>
14	9062	NIJISHA K P	<i>Nijisha</i>
15	9334	NIMISHA K P	<i>Nimisha</i>
16	8996	SNEHA MURALIDHARAN	<i>Sneha</i>
17	9224	SREELAKSHMI V S	<i>Sreelakshmi</i>
18	9241	SUBHISHA SURENDRAN A K	<i>Subhisha</i>
19	8835	ANEETTA GEORGE	<i>Anetta</i>
20	8928	APARNA P	<i>Aparna</i>
21	8955	ARYADARSHANA P	<i>Arya</i>
22	8918	ASWATHI K P	<i>Aswathi</i>
23	8870	ASWINI V	<i>Aswini</i>
24	8906	AYISHA NIBA	<i>Ayisha</i>
25	8825	BASILA P	<i>Basila</i>
26	8838	MIDHULA MATHEWS	<i>Midhula</i>
27	8914	RINSY K K	<i>Rinsy</i>
28	8817	SAJANA K	<i>Sajana</i>
29	8885	SHARIKA K V	<i>Sharika</i>
30	8919	SHIBIRA C P	<i>Shibira</i>
31	8911	SURYA N	<i>Surya</i>
32	8932	SWATHI RAJESH	<i>Swathi</i>



*Rajish Kumar P.*

**RAJISH KUMAR. P.**  
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 T.M. GOVERNMENT COLLEGE  
 P.O. VAKKAD, TIRUR - 676 502

**ATTENDANCE LIST OF ADD ON COURSE (2019-20)**  
**ADD ON COURSE- TMGCMAT 03 : INTRODUCTION TO PYTHON**

**ATTENDANCE SHEET**

Sl No.	Name	time	date	hour
1	AASHIKA	X	4-5 pm	18/12/19
2	AKHILAT P	X	4-5 pm	19/12/19
3	ANAGHA U	X	4-5 pm	20/12/19
4	ANU TV	X	10-11 am	4/1/20
5	ARYA RAMESH	X	11-12 am	4/1/20
6	ASWANI K V	X	12-1 pm	4/1/20
7	ATHIRA M	X	4-5 pm	6/1/20
8	DELNA CHACKO	X	4-5 pm	7/1/20
9	DILSIYA M V	X	4-5 pm	8/1/20
10	GRESHMA O D	X	4-5 pm	9/1/20
11	JUSAINA NARGEES M	X	4-5 pm	10/1/20
12	NAVANA P	X	4-5 pm	10/1/20
13	NAVANA V R	X	4-5 pm	13/1/20
14	NIJISHA K P	X	4-5 pm	14/1/20
15	NIMISHA K P	X	4-5 pm	15/1/20
16	SNEHA MURALIDHARAN	X	4-5 pm	15/1/20
17	SREELAKSHMI V S	X	4-5 pm	15/1/20
18	SUBHISHA SURENDRAN AK	X	4-5 pm	15/1/20
19	ANEETTA GEORGE	X	4-5 pm	15/1/20
20	APARNA P	X	4-5 pm	15/1/20
21	ARYADARSHANA P	X	4-5 pm	15/1/20
22	ASWATHI K P	X	4-5 pm	15/1/20
		X	9-10 am	15/1/20
		X	10-11 am	15/1/20
		X	11-12	15/1/20
		X	12-1	15/1/20
		X	2-3	15/1/20
		X	3-4	15/1/20
		X	10-11	25/1/20
		X	11-12	25/1/20
		X	12-1	25/1/20
		X	2-3	25/1/20
		X	3-4	25/1/20
		X	10-11	1/2/20
		X	11-12	1/2/20
		X	12-1	1/2/20
		X	2-3	4/2/20
		X	3-4	1/2/20
		X	9-10	6/2/20

*Aashika*  
*Akhilat P*  
*Anagha U*  
*Anu TV*  
*Arya Ramesh*  
*Aswani K V*  
*Athira M*  
*Delna Chacko*  
*Dilsiya M V*  
*Greshma O D*  
*Jusaina Nargees M*  
*Navana P*  
*Navana V R*  
*Nijisha K P*  
*Nimisha K P*  
*Sneha Muralidharan*  
*Sreelakshmi V S*  
*Subhisha Surendran Ak*  
*Aneetta George*  
*Aparna P*  
*Aryadarshana P*  
*Aswathi K P*



**RAJISH KUMAR. P.**  
 ASSISTANT PROFESSOR  
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 TML GOVERNMENT COLLEGE  
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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 03 : INTRODUCTION TO PHYTHON**

Academic Year : 2019-20

Periods of study: 30 Hours

**MARK LIST**

Sl no.	Admission number	Name	grade
1	9353	AASHIKA	A
2	9340	AKHILA T P	A
3	9342	ANAGHA U	A
4	9240	ANU T V	A
5	9060	ARYA RAMESH	A
6	9016	ASWANI K V	A
7	9305	ATHIRA M	A
8	8997	DELNA CHACKO	A
9	9321	DILSIYA M V	A
10	9005	GREESHMA O D	A
11	9235	JUSAINA NARGEES M	A
12	9056	NAYANA P	A
13	9308	NAYANA V R	A
14	9062	NIJISHA K P	A
15	9334	NIMISHA K P	A
16	8996	SNEHA MURALIDHARAN	A
17	9224	SREELAKSHMI V S	A
18	9241	SUBHISHA SURENDRAN A K	A
19	8835	ANEETTA GEORGE	A
20	8928	APARNA P	A
21	8955	ARYADARSHANA P	A
22	8918	ASWATHI K P	A
23	8870	ASWINI V	A
24	8906	AYISHA NIBA	A
25	8825	BASILA P	A
26	8838	MIDHULA MATHEWS	A
27	8914	RINSY K K	A
28	8817	SAJANA K	A
29	8885	SHARIKA K V	A
30	8919	SHIBIRA C P	A
31	8911	SURYA N	A
32	8932	SWATHI RAJESH	A



**RAJISH KUMAR. P.**

ASSISTANT PROFESSOR  
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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 03 : INTRODUCTION TO PHYTHON**


Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SUCCESSFULLY COMPLETED STUDENTS**

Sl no.	Admission number	Name
1	9353	AASHIKA
2	9340	AKHILA T P
3	9342	ANAGHA U
4	9240	ANU T V
5	9060	ARYA RAMESH
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23	8870	ASWINI V
24	8906	AYISHA NIBA
25	8825	BASILA P
26	8838	MIDHULA MATHEWS
27	8914	RINSY K K
28	8817	SAJANA K
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ASSISTANT PROFESSOR  
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T.M. GOVERNMENT COLLEGE  
P.O. VAKKAD, TIRUR - 676 502

## Course Summary Report

The Add on course on "Introduction to Python" was offered to the M.Sc. students by the PG Department of Mathematics, T. M. G. College, Tirur. The Registration Process of the course was started on 02.12.2019 and closed on 06.12.2019. The registration was done online mode. 32 students of M.Sc I year and II year were enrolled and attended the course. The course classes started on 18th December 2019 and were closed on 06.02.2020. The examination was conducted for 32 students on 15.02.2020 and all these students were attended the exam. The result of the course exam was published on 24.02.2020 and was with a pass percentage of 100.



*Rajish Kumar P*  
HOD  
Dept. of Mathematics

RAJISH KUMAR. P.  
ASSISTANT PROFESSOR  
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VAKKAD PO, MALAPPURAM DT, KERALA ST, INDIA, PIN: 676 502

Email:tmgetirur@gmail.com, Website:www.tmgetirur.ac.in

# *Certificate*

*It is certified by duly appointed examiners that*

***DELNA CHACKO***

*8997, First M Sc Mathematics  
has qualified*

***Introduction to Phython***

*offered by the*

***the Department of Mathematics***

*He / She has been placed in A Grade*

*for the examination held in*

***March 2020***

Given under the Seal of the College.



Head of the Department



Principal

Tirur: 31/03/2020

# POST GRADUATE DEPARTMENT OF MATHEMATICS

## T. M. GOVT. COLLEGE, TIRUR

### INTRODUCTION TO C PROGRAMMING

#### Introduction

C is a high level computer programming language. It was created by Dennis Ritchie in the 1970s, and remains widely used and influential because it allows direct access to memory and many "low level" computer operations. By design, C's features clearly reflect the capabilities of the targeted CPUs.

#### Title and Course Code:

#### **TMGCMAT04: INTRODUCTION TO C PROGRAMMING**

Duration of course: 36 hours (20 Hours for Theory + 16 Hours for Practical)

#### Scope:

This is the course for C Programming capable of writing readable C programs to solve computational problems that they may have to solve in their professional life. The course content is decided to cover the essential programming fundamentals which can be taught within the given slots in the curriculum. This course has 2 Hours per week for practicing programming in C. The instructor is supposed to give homework/assignments to write the listed programs in the rough record as and when the required theory part is covered in the class. The students are expected to come with the required program written in the rough record for the lab classes.

#### Course outcome

On the successful completion of the course, students will be able to

CO1	Understand basics of Programming and Analyze a computational problem
CO2	Develop readable C programs with branching statements
CO3	Develop an algorithm/flowchart to find its solution
CO4	Develop C programs which use Arithmetic, Logical, Relational or Bitwise operators.
CO5	Develop readable C programs with looping statements

**Programme structure:**

Candidates for admission to the course should be post graduate student of Department of Mathematics, St.Peter's College Kolenchery. Certificates will be issued to the candidates on successful completion of the course.

Sl. No.	Paper	MAXIMUM Marks	MINIMUM REQUIREMENT OF MARKS
1	Paper-I- Theory	30	40%
2	Paper-II- Practical	40	40%
3	Internal Assessment	30	40%
<b>TOTAL</b>		100	40%

**Components of Internal Evaluation:**

Attendance	Assignment	Viva	Total
10	10	10	30

**Scheme of distribution of instructional hours:**

Theory	Practical	Total
20 hours	15 hours	35 hours

**SYLLABUS****Module 1 (Basics of Computer Hardware)**

Fundamentals of Computer: processor, Memory, Input & Output devices, Application Software & System software: Compilers, interpreters. High level and low level languages.

**Module 2 (Basics of Software)**

Introduction to structured approach to programming, Flowchart Algorithms, Pseudo code (bubble sort, linear search - algorithms and pseudocode)

**Module 3 (Program Basics)**

Basic structure of C program: Character set, Tokens, Identifiers in C, Variables and Data Types, Constants, Console IO Operations, printf and scanf. Operators and Expressions: Expressions and Arithmetic Operators, Relational and Logical Operators, Conditional operator, size of operator, Assignment operators and Bitwise Operators. Operators Precedence.

#### Module 4 (Control Flow Statements)

If Statement, Switch Statement, Unconditional Branching using goto statement, While Loop, Do While Loop, For Loop, Break and Continue statements.(Simple programs covering control flow)

#### Module 5 (Arrays and strings)

Arrays Declaration and Initialization, 1-Dimensional Array, 2-Dimensional Array. String processing: In built String handling functions (strlen, strcpy, strcat and strcmp, puts, gets) Linear search program, bubble sort program, simple programs covering arrays and strings

#### Software Lab Program List

1. Display "Hello World"
2. Read two numbers, add them and display their sum
3. Read the radius of a circle, calculate its area and display it
4. Evaluate the arithmetic expression  $((a - b / c * d + e) * (f + g))$  and display its solution. Read the values of the variables from the user through the console.
5. Read 3 integer values and find the largest among them.
6. Read a Natural Number and check whether the number is prime or not
7. Read a Natural Number and check whether the number is Armstrong or not
8. Read n integers, store them in an array and find their sum and average
9. Read n integers, store them in an array and search for an element in the array using an algorithm for Linear Search
10. Read n integers, store them in an array and sort the elements in the array using Bubble Sort algorithm
11. Read a string (word), store it in an array and check whether it is a palindrome word or not.
12. Read two strings (each one ending with a \$ symbol), store them in arrays and concatenate them without using library functions.
13. Read a string (ending with a \$ symbol), store it in an array and count the number of vowels, consonants and spaces in it.
14. Read two inputs each representing the distances between two points in the Euclidean space, store these in structure variables and add the two distance values.

#### REFERENCES

1. Schaum Series, Gottfried B.S., Tata McGraw Hill, Programming with C
2. E. Balagurusamy, McGraw Hill, Programming in ANSI C
3. Asok N Kamthane, Pearson, Programming in C
4. Anita Goel, Pearson, Computer Fundamentals



  
**RAJISH KUMAR. P.**  
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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 04: Introduction to C Programmings**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SELECTED STUDENTS**

Sl no.	Admission number	Name	Signature
1	9365	ABDUL HAKEEM P	
2	9356	ATHUL K	
3	9102	DEEPAK CHANDRAN N K	
4	9209	HARSHAD K	
5	9206	JASIL C K	
6	9099	JITHIN BABU T	
7	9028	JYOTHISH MOHAN A	
8	9281	MUHAMMED HASHIM M	
9	9320	SAKEEB ALI P K	
10	9284	SRIDHIN CHANDRAN P	
11	9322	SUBIN V P	
12	9032	VISHNU V K	
13	9136	ANAGHA K	
14	9366	ANAGHA P	
15	9309	ANEESHA K P	
16	9051	ANJALI PRAKASH	
17	9000	ANJANA C	
18	9030	ANJANA T	
19	9170	ANJANA T P	
20	9372	ASWATHI T P	
21	9033	DILNA T	
22	9195	FATHIMA FARISA N V	
23	9108	FATHIMA SHIFANA M K	
24	9291	HIBA P P	
25	9268	HUSNA FARHANA	
26	9310	LAKSHMI CHANDRA P	
27	9314	MANNYA M	
28	9106	MINI T	
29	9143	MUFEEDA I V	
30	9053	RESHMA P P	
31	9098	SHAHANA SHARIN M	
32	9123	SHIFNA SHERIN K P	
33	9317	SOFIYA U P	
34	9116	SREEDIVYA P P	
35	9315	SREELAKSHMI P	
36	9023	SREESHA T	
37	9054	SURYA K P	



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**ATTENDANCE LIST OF ADD ON COURSE (2019-20)**  
**TMGCMAT 04: Introduction to C Programmings**  
**ATTENDANCE SHEET**

Sl No.	Name	time	date	hour	
1	ABDUL HAKEEM P	X	4-5 pm	27/08/19	1
2	AATHUL K	X	4-5 pm	29/08/19	2
3	DEEPAK CHANDRAN N K	X	4-5 pm	30/08/19	3
4	HARSHAD K	X	10-11 pm	31/08/19	4
5	JASIL C K	X	11-12 pm	31/08/19	5
6	JITHIN BABU T	X	12-1 pm	31/08/19	6
7	JYOTHISH MOHAN A	X	4-5 pm	2/09/19	7
8	MUHAMMED HASHIM M	X	4-5 pm	3/09/19	8
9	SAKEEB ALI P K	X	4-5 pm	4/9/19	9
10	SRIDHIN CHANDRAN P	X	4-5 pm	6/9/19	10
11	SUBIN V P	X	4-5 pm	24/9/19	11
12	VISHNU V K	X	4-5 pm	25/9/19	12
13	ANAGHA K	X	9-10 am	26/9/19	13
14	ANAGHA P	X	9-10 am	27/9/19	14
15	ANEESHA K P	X	10-11 am	28/9/19	15
16	ANJALI PRAKASH	X	11-12 pm	28/9/19	16
17	ANJANA C	X	12-1 pm	28/9/19	17
18	ANJANA T	X	9-10 am	30/9/19	18
19	ANJANA T P	X	9-10 am	31/0/19	19
20	ASWATHI T P	X	4-5 pm	4/10/19	20
21	DILNA T	X	4-5 pm	5/10/19	21
22	FATHIMA FARISA N V	X	9-10 am	14/10/19	22
		X	9-10 am	15/10/19	23
		X	9-10 am	16/10/19	24
		X	4-5 pm	17/10/19	25
		X	10-11 am	19/10/19	26
		X	11-12 pm	19/10/19	27
		X	12-1 pm	19/10/19	28
		X	4-5 pm	22/10/19	29
		X	4-5 pm	4/11/19	30

*Fathima Farisa N V*  
*Dilna T*  
*Aswathi T P*  
*Anjana T P*  
*Anjana T*  
*Anjali Prakash*  
*Anagha P*  
*Anagha K*  
*Subin V P*  
*Sridehin Chandran P*  
*Sakeeb Ali P K*  
*Muhammed Hashim M*  
*Jyothish Mohan A*  
*Jithin Babu T*  
*Jasil C K*  
*Harshad K*  
*Deepak Chandran N K*  
*Aathul K*  
*Abdul Hakeem P*



**RAJISH K**  
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 P.O. VANKAD, TIRUR - 676 002

SI No.	Name				
		time	date	hour	
23	FATHIMA SHIFANA M K	X	4-5pm	27/9/19	1
24	HIBA P P	X	4-5pm	29/9/19	2
25	HUSNA FARHANA	X	4-5pm	30/9/19	3
26	LAKSHMI CHANDRA P	X	10-11am	30/9/19	4
27	MANNYA M	X	11-12am	31/9/19	5
28	MINI T	X	12-1pm	31/9/19	6
29	MUFEEDA I V	X	4-5pm	2/9/19	7
30	RESHMA P P	X	4-5pm	3/9/19	8
31	SHAHANA SHARIN M	X	4-5pm	4/10/19	9
32	SHIFNA SHERIN K P	X	4-5pm	6/1/19	10
33	SOFIYA U P	X	4-5pm	20/9/19	11
34	SREEDIVYA P P	X	4-5pm	25/9/19	12
35	SREELAKSHMI P	X	9-10am	26/9/19	13
36	SRESHAT	X	9-10am	27/9/19	14
37	SURYA K P	X	10-11am	28/9/19	15
		X	11-12am	29/9/19	16
		X	9-10am	30/9/19	17
		X	9-10am	31/10/19	18
		X	4-5pm	4/11/19	19
		X	4-5pm	5/11/19	20
		X	9-10am	14/12/19	21
		X	9-10am	15/12/19	22
		X	9-10am	16/12/19	23
		X	4-5pm	17/12/19	24
		X	10-11am	18/12/19	25
		X	11-12am	19/12/19	26
		X	12-1pm	14/1/20	27
		X	4-5pm	22/1/20	28
		X	4-5pm	4/1/20	29
		X			30

S  
 Hiba P P  
 Husna Farhana  
 Lakshmi Chandra P  
 Manya M  
 Mini T  
 Mufeeda I V  
 Reshma P P  
 Shahana Sharin M  
 Shifna Sherin K P  
 Sofiya U P  
 Sreedivya P P  
 Sreelakshmi P  
 Sreshat  
 Surya K P



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**T M GOVT COLLEGE, TIRUR**  
**DEPARTMENT OF MATHEMATICS**  
**ADD-ON PROGRAMME**

**TMGCMAT 04: Introduction to C Programmings**

Academic Year : 2019-20

Periods of study: 30 Hours

**MARK LIST**

Sl no.	Admission number	Name	Grade
1	9365	ABDUL HAKEEM P	A
2	9356	ATHUL K	A
3	9102	DEEPAK CHANDRAN N K	A
4	9209	HARSHAD K	A
5	9206	JASIL C K	A
6	9099	JITHIN BABU T	A
7	9028	JYOTHISH MOHAN A	A
8	9281	MUHAMMED HASHIM M	A
9	9320	SAKEEB ALI P K	A
10	9284	SRIDHIN CHANDRAN P	A
11	9322	SUBIN V P	A
12	9032	VISHNU V K	A
13	9136	ANAGHA K	A
14	9366	ANAGHA P	A
15	9309	ANEESHA K P	A
16	9051	ANJALI PRAKASH	A
17	9000	ANJANA C	A
18	9030	ANJANA T	A
19	9170	ANJANA T P	A
20	9372	ASWATHI T P	A
21	9033	DILNA T	A
22	9195	FATHIMA FARISA N V	A
23	9108	FATHIMA SHIFANA M K	A
24	9291	HIBA P P	A
25	9268	HUSNA FARHANA	A
26	9310	LAKSHMI CHANDRA P	A
27	9314	MANNYA M	A
28	9106	MINI T	A
29	9143	MUFEEDA I V	A
30	9053	RESHMA P P	A
31	9098	SHAHANA SHARIN M	A
32	9123	SHIFNA SHERIN K P	A
33	9317	SOFIYA U P	A
34	9116	SREEDIVYA P P	A
35	9315	SREELAKSHMI P	A
36	9023	SREESHA T	A
37	9054	SURYA K P	A



*Rajish Kumar P.*

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**ADD-ON PROGRAMME**

**TMGCMAT 04: Introduction to C Programmings**

Academic Year : 2019-20

Periods of study: 30 Hours

**LIST OF SUCCESSFULLY COMPLETED STUDENTS**

Sl no.	Admission number	Name
1	9365	ABDUL HAKEEM P
2	9356	ATHUL K
3	9102	DEEPAK CHANDRAN N K
4	9209	HARSHAD K
5	9206	JASIL C K
6	9099	JITHIN BABU T
7	9028	JYOTHISH MOHAN A
8	9281	MUHAMMED HASHIM M
9	9320	SAKEEB ALI P K
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**THUNCHAN MEMORIAL GOVT. COLLEGE , TIRUR  
DEPARTMENT OF MATHEMATICS**

**Course Summary Report**

The Add on course on "Introduction to C Programming " was offered to the First BSc Mathematics students by the PG Department of Mathematics, TMG College, Tirur. Mrs. Rekha A M was appointed as Course Coordinator. The Registration Process of the course was started on 08.07.2019. 37 students of First B Sc Mathematics were enrolled and attended the course. The course classes started on 27 August 2019. The classes were closed on 04.11.2019. The examination was conducted for 37 students on 03.12.2019 and all these students were attended the exam. The result of the course exam was published on 06.12.2019 and was with a pass percentage of 100.



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VAKKAD PO, MALAPPURAM DT, KERALA ST, INDIA, PIN: 676 502  
Email:tmgctirur@gmail.com, Website:www.tmgctirur.ac.in

## *Certificate*

*It is certified by duly appointed examiners that*

***ANAGHA P***

*9366, First M Sc Mathematics  
has qualified*

***Introduction to C Programming***

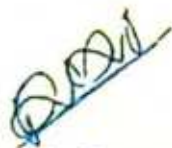
*offered by the*

***the Department of Mathematics***

*He / She has been placed in A Grade  
for the examination held in*

***March 2020***

**Given under the Seal of the College.**



Head of the Department





Principal

**Tirur: 31/03/2020**