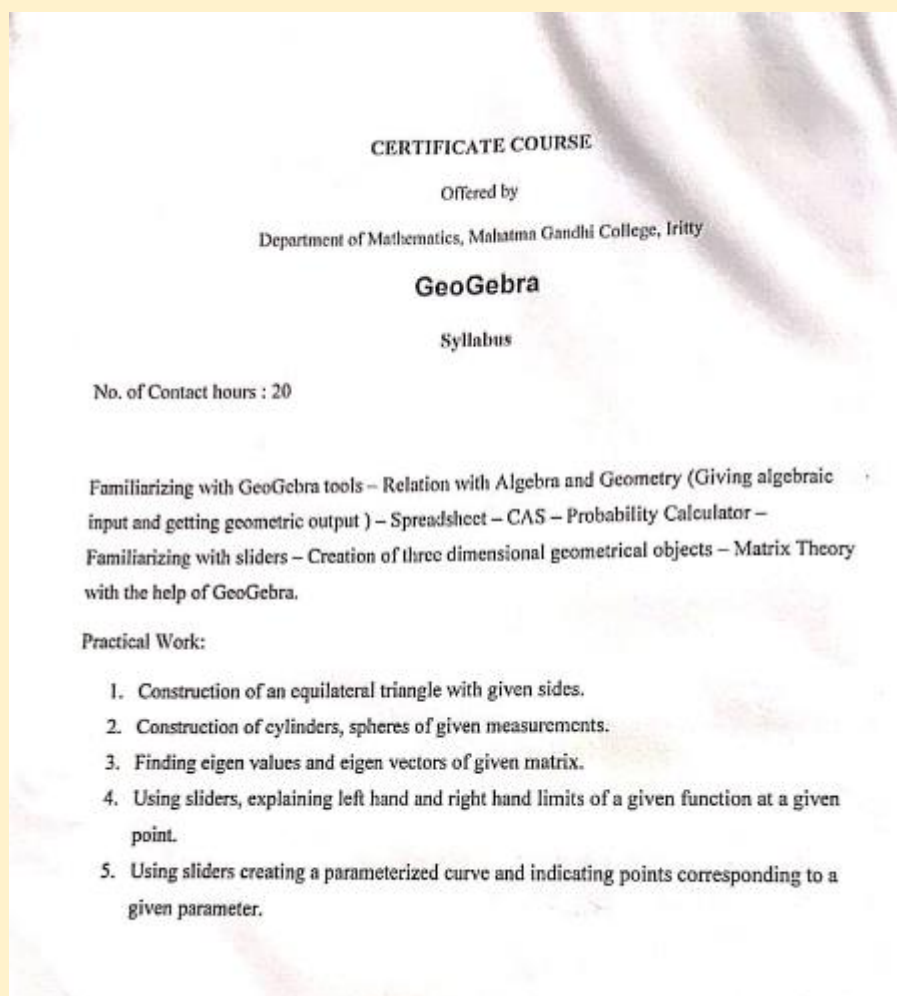


1.2.1 ADDON/CERTIFICATE / VALUE ADDED PROGRAMS

1.2.1.1 PROGRAM DETAILS- NAME OF THE PROGRAM,CURRICULUM, , MODEL CERTIFICATE

DEPARTMENT OF MATHEMATICS





MAHATMA GANDHI COLLEGE, IRITTY

(Accredited by NAAC with A Grade)

Keezhurkunnu, Keezhur PO, Kannur Dt., Kerala – 670 703

Certificate Course (Online) in Quantitative Aptitude for Competitive Examinations

As part of the innovative academic efforts to transcend the obstacles springing from Covid 19 pandemic, P.G. Department of Mathematics in association with IQAC of the College conducts a Certificate Course (Online) in Quantitative Aptitude for Competitive Examinations that will be beneficial for students as well as those who prepare for competitive examinations like PSC examinations.

The classes will be through digital platform. Classes will be engaged by faculty members of Mahatma Gandhi College, Iritty and other colleges.

Aim of the course

- To update and expand the basic mathematical skills and attitudes and equip the students to effectively utilize this knowledge for various competitive examinations.
- To familiarize the language, symbols and notation of mathematics.
- To develop mathematical curiosity while solving problems.
- To become confident enough in solving mathematical problems.
- To develop logical and critical thinking.

Objectives of the course

- To introduce the basics concepts of Quantitative arithmetic
- To enhance the problem-solving skills.
- To improve the basic mathematics skills.
- To help students who are preparing for any type of competitive examinations.

Who can apply

Students of various institutions are invited to be learners of the course.

How to Join the Programme:

Those who are interested to attend the course are requested to fill the Google Form attached with the brochure (or email: maths.mgc@gmail.com). A Google Classroom and WhatsApp group will be created to share the study materials and to form a discussion forum so that the lecture series will be beneficial to the participants. Registration is absolutely free of cost.

The medium of Lecture:

The lectures will be delivered through Google Meet. Recorded Videos/Study materials will be distributed through WhatsApp/Telegram groups. The Course begins on 15.09.2020 .All further information and the link to join the online class will be informed through Google classroom/WhatsApp group once you register through Google form.

Register here: <https://forms.gle/D32G3WVQnG5WyuCE7>

Whatsapp group link: <https://chat.whatsapp.com/J9JhbEXxVPjJKD3TcGpP8>

We expect sincere cooperation and whole hearted support from the faculty and students in Mathematics fraternity.

Thanking you,

With regards,

Vidya T M

Convener

Dr Bijumon R

Head, PG Dept of Mathematics

Faculty Members:

Haseena C, Jimly Manuel, Priyanka P, Maya P V,

Pramod Kumar K V

Convener, IQAC

Dr Ajitha V

Principal

For further information:

Contact Number: 9747373997, 9495560791

Email: maths.mgc@gmail.com

Certificate Course- Quantitative Aptitude for Competitive Examinations- 2020-21

Topics and Classes Engaged

Sl No	Topics	Dates (2020-21)	Resource Person
1	Average	02.10.20 and 03.10.20	Mr. Binoy Joseph
2	Problems on Ages	30.10.20, 31.10.20 and 01.11.20	Ms. Vidya T M
3	Profit and Loss	22.01.21, 23.01.21 and 24.01.21	Ms. Haseena C
4	Ratio and Proportion	10.10.20, 11.10.20 and 12.10.20	Mr. Binoy Joseph
5	Chain Rule	01.01.21, 02.01.21 and 03.01.21	Ms. Priyanka P
6	Time and Work	13.11.20, 14.11.20 and 15.11.20	Ms. Jimly manuel
7	Time and Distance	04.12.20, 05.12.20 and 06.12.20	Ms. Maya P V
8	Problems on Trains	29.01.21, 30.01.21 and 31.01.21	Ms. Maya P V
9	Boats and Streams	15.01.21, 16.01.21 and 17.01.21	Ms. Vidya T M
10	Calender	20.11.20, 21.11.20 and 22.11.20	Mr. Nidhin M R
11	Clocks	26.12.20, 27.12.20 and 28.12.20	Mr. Binoy Joseph
12	Permutations and Combinations	06.11.20, 07.11.20 and 08.11.20	Mr. Nidhin M R
13	Heights and Distances	08.01.21, 09.01.21 and 10.01.21	Ms. Jimly manuel
14	Progressions	18.09.20, 19.09.20 and 20.09.20	Dr. Ajitha V
15	HCF and LCM of Numbers	16.10.20, 17.10.20 and 18.10.20	Ms. Sruthi Chundakkaran
16	Decimal Fractions	27.09.20	Dr. Ajitha V
17	Simplifications	18.12.20, 19.12.20 and 20.12.20	Ms. Sruthi Chundakkaran
18	Alligation or Mixture	27.01.21, and 28.01.21	Dr. Bijumon R
19	Simple Interest	27.11.20, 28.11.20 and 29.11.20	Ms. Haseena C
20	Compound Interests	07.02.21, and 09.02.21	Dr. Bijumon R
21	Races and Games of skill	26.02.21, 27.02.21 and 28.02.21	Mr. Binoy Joseph
22	Complex Numbers and Quadratic Equations	03.02.21, and 04.02.21	Mr. Nidhin M R
23	Odd man out and Series	18.09.20, 19.09.20 and 20.09.20	Dr. Ajitha V
		Total - 63 hours	23 chapters



MAHATMA GANDHI COLLEGE, IRITTY


(Aided and Affiliated to Kannur University and Accredited by NAAC with 'A' Grade)

Keezhur P.O., Kannur Dt., Kerala- 670703.

ONLINE COURSE CERTIFICATION


Certified that **Aanmary J Veronica** of **Mahatma Gandhi College Iritty** successfully completed the **Online Certificate Course on Quantitative Aptitude for Competitive Examinations** offered by **P.G. Department of Mathematics in association with IQAC, Mahatma Gandhi College, Iritty** conducted from September 2020 to March 2021.


Vidya M
Convenor


Dr. Bijumon R
Head of the Department




Pramod kumar K V
IQAC Coordinator


Dr. Ajitha V
Principal

P.G.DEPARTMENT OF MATHEMATICS MAHATMA GANDHI COLLEGE, IRITTY

(Accredited by NAAC with A Grade)

Course Certification

This is to certify that **Akhil V, I MSc Mathematics** of Mahatma Gandhi College, Iritty has successfully completed the certificate course on **LaTeX and Geogebra** offered by Post Graduate Department of Mathematics, Mahatma Gandhi College, Iritty conducted from January 2021 to May 2021.

Department of Physics
Mahatma Gandhi College Iritty

Certificate Course
in
Python programming

Module I: Programming in Python (23hrs)

Introduction to programming -Getting started with python-Variables and data types-operators and their precedence-python strings-Slicing-python lists-mutable and immutable types-input from the key board-iteration: while and for loops-condition execution: if, elif and else-modify loops-line joining-functions python modules and packages-file input/output-formatted printing-exception handling-turtle graphics.

Module II:(7 hrs)

Arrays and matrices: The NumPy Module - creating arrays and Matrices- copying -arithmetic operations- cross product- dot product -saving and restoring-Matrix version.

Module III: (7 hrs.)

Data visualization: The Matplotlib Module- plotting mathematical functions-famous curves-power series-2D plot using colors.

Books for study:

1. Python for Education: by Ajith kumar B.P ; freely downloaded from the site:
<http://expeyes.in/python-programming>

Note : Installation of GNU/LINUX which contains in built python interpreter are mentioned in detail in the above book. To install Python in windows operating system; Go to the link <http://www.python.org>



MAHATMA GANDHI COLLEGE - IRITTY


(Affiliated to Kannur University &
Accredited by NAAC with A Grade)

Department of Physics

This is certify that Mr. / Miss GOPIKA MADHUSOODANAN
student of CHEMISTRY.....Department has successfully completed the 30
hours Basic Certificate Course in Python Programming by the Department of Physics, Mahatma Gandhi College,
Iritty during the period of JANUARY - MAY 2021

Place: IRITTY

Date: 30-05-2021


HOD


Principal



EMPLOYABILITY SKILL ENHANCEMENT COURSE

Expected Outcome:	The students are expected to gain greater industry acceptance <u>by imbibing</u> better interpersonal and managerial skills by undergoing this course.
Pedagogy:	The course content shall be delivered in a hybrid manner <u>wherein</u> a blend of theoretical lectures, seminars, assignments etc. shall be used.
Total Teaching Hours:	30 Hours



Module 1: Interview Skills: Fundamentals of facing an interview – Types of interview – Dress code & basic etiquettes – Answering interview questions – Mock interviews.

Module 2: Resume writing: Preparing to write a resume - Choosing a resume format - Writing a winning Resume - Writing a winning cover letter – Sample resumes.

Module 3: Group Discussion: Greeting & introducing the topic – Initiating a discussion – Asking for opinion – Giving your opinion – Agreeing with an opinion – Disagreeing with an opinion – Concluding remarks – Excellent grasp of language - Mock group discussions.

Module 4: Case Discussion: Reading and examining the case thoroughly – Taking short notes – Highlighting key facts – Understanding key problems – Identifying possible solutions – Evaluate the solutions - Selecting the best solution – Sample case discussions.

Module 5: Presentation Skills: Creating a presentation – Presenting your message – Presenting yourself – Non-verbal elements in a presentation – Engaging the audience - Concluding a presentation – Mock presentations.

Reference Books

- Business Communication Today - Boyce and Thill: Tata McGraw Hill · Basic Business Communication – Raj Kumar: Excel Books
- Business Communication Essentials - Boyce and Thill: Pearson.
- Communication skills for Professionals, Konar N: Prentice Hall; Communication skills, Sanjay Kumar and Pushpa Lata: Oxford,
- Communication skills. Sen and Leen



MAHATMA GANDHI COLLEGE, IRITTY

(Aided and Affiliated to Kannur University and Accredited by NAAC with 'A' Grade)
Keezhur P.O., Kannur Dist., Kerala - 670703

Department of Management Studies

CERTIFICATE

This is to certify that Ms. *Princy Prakashan* has successfully completed the Employability Skill Enhancement Course offered by the Department of Management Studies during the Academic Year 2020-21

DR. REHIN K R

Head of the Department

DR. AJITHA V

Principal

PG Department of Commerce

Certificate Course

Accounting Packages – Tally

No.of Contact hours -30 (Theory :10 hours; Practical : 20 hours)

Objective: To enable the students belonging to departments other than Commerce and Management studies to acquaint knowledge of accounting principles and practice, both manual and computerized.

Module- I

Introduction : Manual Accounting: Basic Accounting concepts - Kinds of Accounts – Double Entry Book Keeping – Rules of Debit and Credit- Journal – Ledger – Trial Balance – Final Accounts **(10 Hrs)**

Module – II

Creation of company – group – default group – ledger etc. – modification – alteration – deletion of company **(7 Hrs)**

Module III

Voucher entry – default vouchers – Inventory voucher **(8 Hrs)**

Module IV

Creation of Trial Balance – Balance Sheet – Profit and Loss Account. **(5 Hrs)**

P. G. Department of Commerce

Application for Certificate Course offered by Department of Commerce

1. Name of the Student (in Block Letters) :
2. Age and Date of Birth :
3. Admission No. :
4. Parent Department :
5. Batch : 20 - 20
6. Course applied for : Accounting Packages and Tally
7. E-mail id :
8. Marks obtained in +2/equivalent examination:

DECLARATION

I hereby
declare that the information provided above by me is true to the best of my knowledge and belief.

Place:

Date:

Name & Signature of the Student.

Name and Signature of the Parent :

Signature of the HoD of the Parent Department:

OFFICE USE ONLY

..... is selected/not selected for
the course.

CERTIFICATE COURSE OFFERED BY COMMERCE DEPARTMENT**NAME OF THE COURSE: Accounting Packages-Tally(2020-21)****Name of the students**

SI NO	REGISTER NO.	NAME
1	MG18CCSR03	ABINAV P K
2	MG18CCSR19	ABIN AUGUSTIN
3	MG18CCSR28	SIDHARTH V
4	MG18CMSR02	AMRUTHA A R
5	MG18CMSR05	ANUSHA T R
6	MG18CMSR09	HARSHA MANEENDRAN
7	MG18CMSR10	JOMISHA JOSEPH
8	MG18CMSR11	MUHSINA K A
9	MG18CMSR12	RAHINA
10	MG18CMSR15	LIJO JOSEPH
11	MG18CMSR28	SHARON V SUBASH
12	MG18CMSR30	THWAHIRA T P
13	MG18CMSR32	ASWIN THOMAS
14	MG18CMSR33	BINCE BONO
15	MG18CMSR34	NIVED E



MAHATMA GANDHI COLLEGE - IRITTY

(Affiliated to Kannur University &
Accredited by NAAC with A Grade)

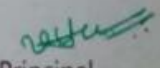
PG Department of Commerce

This is certify that Mr. / Miss*ASHWIN THOMAS*.....
student of*Mathematics*.....Department has successfully completed the 30
hours Basic Certificate Course in Accounting Packages - Tally by the Department of Commerce, Mahatma
Gandhi College, Iritty during the period of*2020-21*.....

Place: *Iritty*
Date: *31.05.21*


HOD




Principal



BASIC CERTIFICATE COURSE IN YOGA

Department of Physical Education with a view to equip the students to acquire additional knowledge of physical health and yoga.

Aim:

To produce basic common standards of yoga knowledge

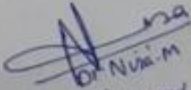
Course Objectives:

- Preparing Body and mind to develop stronger immunity
- Helping the students to focus and excel in life.
- Enhancing physical, mental and well-being.
- Achieving good health and increased flexibility.

Duration: 30hours

Total no of students admitted to the course: 15

Total no of students completed the course: 15


Dr. Nisha M
Asst. Professor and Head
Department of Physical Education
Mahatma Gandhi College
Irity



MAHATMA GANDHI COLLEGE IRITTY

Academic Year: 2020-2021

Name of Department: Department of Physical Education

Name of Certificate Course: Basic certificate course in yoga

Course Duration: Two weeks (30Hours -September 2021-december 2021)

Course Syllabus


The syllabus includes practical section mainly to fulfill practical knowledge of yoga.

Theory: Meaning of Yoga, Definition and Name of Asanas.

Practical: Meditative Asanas, Sitting Asanas, Standing Asanas, Kneeling Asanas, Prone asanas, Supine asanas, Inverted asanas, Suryanamaskara

Final assessments:

Practical examinations.


Asst. Professor and in-charge
Department of Physical Education
Mahatma Gandhi College
Iritty

Mahatma Gandhi College-Iratty

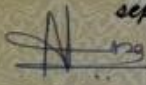
(Affiliated to Kannur University &
Accredited by NAAC with A Grade)



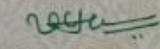
Department of Physical Education



This is to certify that Mr/Miss.....Abhay Raj.....
student of.....Computer Science.....Department has successfully Completed
the 30 hours Basic certificate Course in Yoga provided by the Department of
physical Education, Mahatma Gandhi College, Iratty during the period of
september 2021 - December 2021


HOD




Principal

COMPUTER HARDWARE AND NETWORK ENGINEERING

Syllabus

UNIT – I (2 Hour)

Introduction to Computers– Types of Computers - Micro, Mini, Mainframe and Super Computer, Generations of Computer, Input/Output Devices.

UNIT – II (10 Hour)

Hardware– Introduction to Computer System. Identify the front and rear panel controls and ports on a PC. Power Supply Connections(SMPS). Motherboard Connections. Motherboard Components. CPU (Processor), RAM (Memory), Hard Drive Connections(HDD & SSD), ROM Drives, Video Cards, Sound Cards.

Installation of a PC– Removing and Installing - Power Supply, the Processor, the Motherboard, RAM, ROM, Hard Drive, Fans, Video Card, Expansion Cards, a CPU Cooler, CMOS Battery. Troubleshooting, About SMPS and its cable, Connector and Servicing Procedure.

UNIT – III (8 Hour)

Installation of Software– Windows 7, Ubuntu, Installation of Other Important Software.

UNIT – IV (4 Hour)

Introduction to Computer Networks – Definition, Advantages, Architecture: Peer-to-Peer and Client/Server Network. Network Topologies – Star, Ring, Bus, Tree, Mesh, Hybrid. Types of Network – Local Area Network (LAN), Metropolitan Area Network (MAN), Wide Area Network (WAN), Intranet and Internet. Wi-Fi, Bluetooth.

Communication Media & Connectors – Introduction to Data Communication – Analog and Digital Signals. Transmission mode: Simplex, Half-Duplex and Full-Duplex. Unshielded twisted pair (UTP), shielded twisted-pair (STP), Fiber Optics and coaxial cable: RJ-45

Network Components – Modems, Firewall, Hubs, Bridges, Routers, Gateways, Repeaters, Transceivers, Switches

UNIT – V (6 Hour)

Crimping & Punching– RJ-45

Printer Sharing, Wi-Fi , USB Tethering

Internet– Wi-Fi , USB Tethering

Sharing of Data

MAHATMA GANDHI COLLEGE - IRITTY

Keezhur (P.O), Kannur, Kerala - 670703

(Accredited by NAAC with 'A' grade)

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that Mr/Ms ABHIRAM.E Reg: MG20CCSR03 has successfully completed **COMPUTER HARDWARE AND NETWORK ENGINEERING** course (2020-2021) at Mahatma Gandhi College, Iritty.

Head of the Department
DR. SHIJO M JOSEPH



Principal
DR. AJITHA V

MAHATMA GANDHI COLLEGE - IRITTY

Keezhur (P.O), Kannur, Kerala - 670703
(Accredited by NAAC with 'A' grade)

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms
Reg No: has successfully completed the certificate course in
COMPUTER HARDWARE AND NETWORK ENGINEERING offered by the Department of Computer
Science in association with IQAC (2021-2022) at Mahatma Gandhi College, Iritty.

Coordinator
Dr. RESHMA P K

Head of the Department
DR. SHIJO M JOSEPH

IQAC Coordinator
PRAMOD KUMAR K V

Principal
DR. AJITHA V

DEPARTMENT OF COMPUTER SCIENCE
CERTIFICATE COURSE IN
COMPUTER ASSEMBLING AND SOFTWARE INSTALLATION

Syllabus

UNIT – I (4 Hour)

Introduction to Computers– Types of Computers - Micro, Mini, Mainframe and Super Computer, Generations of Computer, Input/Output Devices, Types of memory.

UNIT – II (10 Hour)

Hardware– Introduction to Computer System. Identify the front and rear panel controls and ports on a PC. Power Supply Connections(SMPS). Motherboard Connections. Motherboard Components. CPU (Processor), RAM (Memory), Hard Drive Connections(HDD & SSD), ROM Drives, Video Cards, Sound Cards.

UNIT – III (8 Hour)

Installation of a PC– Removing and Installing - Power Supply, the Processor, the Motherboard, RAM, ROM, Hard Drive, Fans, Video Card, Expansion Cards, a CPU Cooler, CMOS Battery. Troubleshooting. About SMPS and its cable, Connector and Servicing Procedure.

UNIT – IV (8 Hour)

Installation of Software– Windows 7, Ubuntu, Installation of Other Important Software.

MAHATMA GANDHI COLLEGE - IRITTY

Keezhur (P.O), Kannur, Kerala - 020203
(Accredited by NAAC with 'A' grade)

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms has successfully completed the

Reg No: has successfully completed the
certificate course in **COMPUTER ASSEMBLING & SOFTWARE INSTALLATION** offered by
the Department of Computer Science in association with IQAC (2017-2018) at Mahatma
Gandhi College, Iritty.

Coordinator
Dr. JITHESH K

Head of the Department
DR. SHJO M JOSEPH

IQAC Coordinator
PRAMOD KUMAR K V

Principal
Dr. M J MATHEW