5.1.2 Capacity building and skills enhancement initiatives taken by the institution

(2018-2023)

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. Awareness of Trends in Technology

Sl. No.	Name of the capacity development and skills enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)	Category
1	Qualitative Data Analysis using SPSS software	15,16,17/03/2021	74	Dept. of Economics in association with IQAC	Awareness of Trends in Technology
2	Workshop on Word Processing	09-03-2022	20	Dept of Physics in association with College, IQAC	Awareness of Trends in Technology
3	Time for Nature - Flash Presentation- Environment Day	10-06-2022	52	Dept of Chemistry in association with College, IQAC	Awareness of Trends in Technology
4	Flashes	23-02-2023	50	Dept of Chemistry & St Marys School, Pattom	Awareness of Trends in Technology
5	LAB VISIT	28-02-2023	25	DEPARTMENT OF CHEMISTRY, UNIVERSITY OF KERALA	Awareness of Trends in Technology
6	Awareness on Digital Banking	08.08.2022	49	Dept of Commerce & Federal Bank, Trivandrum Region	Awareness of Trends in Technology
7	Applied Econometrics using GRETL	31-08-2023	45	Dept of Economics	Awareness of Trends in Technology
8	Dashboard Creation in Excel	09-03-2023	49	Dept of Commerce	Awareness of Trends in Technology
9	Tally Prime with GST	04-07-2022	48	Dept of Commerce	Awareness of Trends in Technology
10	Introduction to Linux Operating System	02-11-2022	35	Dept of Maths	Awareness of Trends in Technology
11	Doing Mathematics with Sage-Math	27-06-2022	17	Dept of Maths	Awareness of Trends in Technology
12	LaTex Programming	13-01-2023	15	Dept of Maths	Awareness of Trends in Technology

Department of Economics

Mahatma Gandhi College, Thiruvananthapuram

Quantitative Data Analysis using SPSS Software

Department of Economics organised a webinar on the topic "**Quantitative data analysis using SPSS Software" on 18th November 2019.** The resource person is Dr. Resmi S Panikker, Assistant Professor, Department of Economics, University College, Thiruvananthapuram. As a part of the soft skill development programme among students, she introduced the SPSS software and provided hands-on training regarding the analysis of data, and how to solve problems like missing values and outliers. Though the session was in online mode, it was highly interactive. Students from nearby colleges like NSS College, Neeramankara and VTM NSS College, Dhanuvachapuram also participated in the webinar. After the session, the resource person shared study material for practice.

DEPARTMENT OF ECONOMICS
MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

Attendance Statement of the Program Quantitative Data Analysis Using SPSS Software

Date: 18/11/2019   Venue: Computer Lab

Sl. No.	Candidate Code	Name
1.	15018118001	ADARSH G JAMES
2.	15018118002	ADARSH J J
3.	15018118003	ANAGHA P R
4.	15018118004	ANAND KUMAR M
5.	15018118005	ARJUN S
6.	15018118007	BHARATH B
7.	15018118008	GOPIKA KRISHNA . R
8.	15018118009	GOVIND S S
9.	15018118010	GOWRI M KURUP
10.	15018118011	KARUNYA. S
11.	15018118012	KRISHNA PRIYA V. V
12.	15018118013	LAVANYA.S.MANOJ
13.	15018118015	RAJEESH KUMAR R
14.	15018118016	RESHMA. S. G
15.	15018118017	SHAMILA N.
16.	15018118018	SHARAFA R
17.	15018118019	SHIBU S
18.	15018118020	SREERAM H
19.	15018118021	SUMITH M S
20.	15018118022	ABHIJITH S. L
21.	15018118023	AKASH. S
22.	15018118024	AKHILA B S
23.	15018118025	AKHILA.A.L
24.	15018118026	AMAL .B.S
25.	15018118028	AMAL V S
26.	15018118029	AMARTHYA SREEKANTAN
27.	15018118030	ANANTHU REGHUNATH
28.	15018118031	ANANTU P PAI
29.	15018118032	ANEESH. K
30.	15018118033	ANJITHA A.S.
31.	15018118034	ARCHA S NAIR
32.	15018118035	ARUN . R . V

33.	15018118036	ARYA KRISHNAN .S R
34.	15018118037	ASHISH . R
35.	15018118038	ATHULYA.A.G
36.	15018118039	AVINASH P J
37.	15018118040	CHANDRAN H
38.	15018118041	CHINNUMOL.S
39.	15018118043	DHANESH PRASAD J .R
40.	15018118044	GANGA S
41.	15018118045	GOKUL P
42.	15018118046	GOKUL KRISHNA B
43.	15018118047	GOKUL.M
44.	15018118048	GOPALSANKAR R P
45.	15018118049	KAVYA. V. K
46.	15018118050	LASNA A S
47.	15018118051	MEENU. S.U
48.	15018118052	NANDU S
49.	15018118053	NEEDHUL B N
50.	15018118054	NEETHU KRISHNA.S
51.	15018118055	PARVATHY DAS .B.S
52.	15018118056	POOJA G.S
53.	15018118057	RAHUL H
54.	15018118058	RAHUL S M
55.	15018118059	SHYMA S
56.	15018118060	SREEJITH .B.S
57.	15018118061	THASLEEMA.B.S
58.	15018118063	VEENA VIJAYAN
59.	15018118064	VIMAL.U
60.	15018118065	VIPIN .S
61.	15018118066	VISHNU PRAKASH S
62.	15018118067	YADHU KRISHNAN H.R
63.	15018118068	ABHIRAMI S
64.	15018118069	ANANYA ASHOK
65.	15018118070	ASHNA CHERIAN
66.	15018118071	RAHUL M V
67.	15018118072	SIVASUBRAMANIAM.K
68.	15018118073	SREELEKSHMI MOHANAN R
69.	15018118074	AKHILA .A.G
70.	15018118075	AKSHAYA N L
71.	15018118076	ANANDAKRISHNA.K

| 72.	**15018118077**	GOKUL KRISHNA. V.S
73	**15017118055**	SRUTHY P SURESH
74	**15017118067**	KRISHNA A M

Workshop on Word Processing

A Workshop on Word Processing was conducted by Dr.VaisakhanThampi D S, Asst. Prof., Dept. of Physics, Mahatma Gandhi College, Trivandrum on 10th February 2020, 9/3/2022 at MG College for the Post Graduation Students as well as Research Scholars. The Workshop was effective in giving valuable practical ideas on word processing and its usage. The primary purpose of this workshop was to share the importance of word processing which is useful for their project report as well as future necessities. The workshop began with introducing the basic features found in word processing software and its uses. The role of editing and enhancement features such as cut, copy, paste, borders, numbering, fonts etc was emphasised.

Formatting features such as alignment, line spacing, margins, page break, etc and the insert

features such as header and footer, page number, word art and so on were also discussed. Elaborating on these features, he also highlighted the common mistakes made while handling word processing. The students were asked to practice this and also to avail necessary clarifications. The programme enhanced the word processing skills of users and the ease of doing it was revealed. The session was interactive and also had a fruitful discussion and doubt clearances.

The workshop concluded by giving very important suggestions to the students in effective usage of word processing and the techniques to avoid the common mistakes. The students had a better experience in attending the programme and were worthy enough.
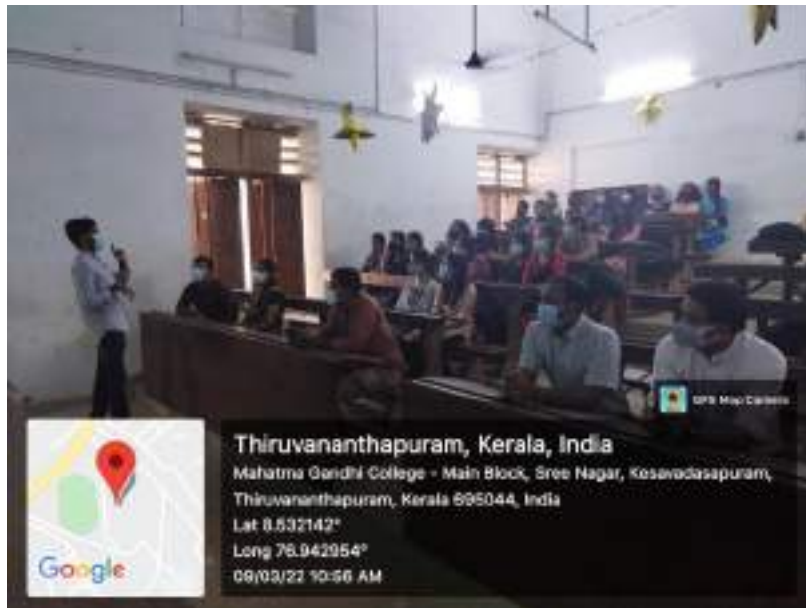
Sl. No.	Name	Class	Signature
1	ABHIRAMI R.SEKHAR	3 DC Physics	
2	ABHISHEK G.S	3 DC Physics	
3	ADITHYAN . S	3 DC Physics	
4	AJAY S	3 DC Physics	
5	AKSHAYA . A . .S	3 DC Physics	
6	AMAL. A. NAIR	3 DC Physics	
7	ANJAI VINOD	3 DC Physics	
8	ANJANA JOSE. J	3 DC Physics	
9	ANOOP S	3 DC Physics	
10	APARNA J S	3 DC Physics	
11	ARDRA S	3 DC Physics	
12	ARYA M.R.	3 DC Physics	
13	DEVA NARAYAN S	3 DC Physics	
14	GG KRISHNAN	3 DC Physics	
15	KARTHIKA. S. NAIR	3 DC Physics	
16	LEKSHMI SURESH	3 DC Physics	
17	MUJEEB RAHUMAN.S	3 DC Physics	
18	NANDANA GOPAN	3 DC Physics	
19	NIKITHA SYAM	3 DC Physics	
20	PALLAVI A D	3 DC Physics	
21	PRANAV. P	3 DC Physics	
22	REMYA B	3 DC Physics	
23	RENJITH LAL. S. B	3 DC Physics	
24	ROHITH U	3 DC Physics	
25	ROOPA D M	3 DC Physics	
26	SOORAJ S	3 DC Physics	
27	VISAKH S	3 DC Physics	
28	VISAKH.B	3 DC Physics	
29	ABHIJITH M	3 DC Physics	
30	ABHIRAMI B S	3 DC Physics	
31	ABHISHEK P B	3 DC Physics	
32	ABHISHEK. A	3 DC Physics	
33	ADHWAITH.S.J	3 DC Physics	
34	AKSHAY .J.M	3 DC Physics	
35	ANAND P NAIR	3 DC Physics	
36	ANIKA M S	3 DC Physics	
37	ANOOP A S	3 DC Physics	
38	ARATHY. L .S	3 DC Physics	
39	ASWIN G L	3 DC Physics	
40	ASWIN J S	3 DC Physics	
41	ASWIN M S	3 DC Physics	
42	BHARATHKRISHNA P S.	3 DC Physics	
43	DETHAN R S	3 DC Physics	
44	GAUTHAMY ANIL	3 DC Physics	
45	KISHORE MADHAV	3 DC Physics	

2022-23

ICT/computing skills

Program No.1- World Environment Day Celebrations 2022-"TIME FOR NATURE"**, *A Collection of Six Flash Presentations as a part of Environment Day Celebrations,* 10th June 2022

The world environment day is celebrated every year on 5th June to raise global awareness to take positive environmental action to protect nature and the planet Earth. It is a day that reminds everyone on the planet to get involved in environment friendly activities. People come together to pledge towards building a greener planet. Keeping this aim in view, postgraduate students of Department Of Chemistry, Mahatma Gandhi College,Thiruvananthapuram conducted the programme "Time for Nature"-A collection of six flash presentations as part of Environment Day celebrations on 10th June 2022 coordinated by MSc Chemistry students. "Only One Earth" was the campaign slogan,with the focus on "Living Sustainably in Harmony with Nature".

The programme started with a fervent prayer. A heartwarming welcome remark was delivered by Medha Lal R, Postgraduate student. An opening speech giving an insight to the need to take immediate action to save the environment and mother Earth was given by Dr. Simi C K , Head of the Department in charge. A soulful rendition of the evergreen poem "Bhoomikkoru Charamageetham" by O.N.V. Kurup was recited by Vaishna Chandran P, postgraduate student. An introduction to the importance of the day was given by Ramjith R P, Postgraduate student. Devika JS , Postgraduate student presented on the topic 'Air Pollution', explaining about its causes, effects and control measures. A presentation on soil pollution and it's effects were vividly explained by Aswani M S , Postgraduate student making the spectators aware of the immediate need for its conservation.

Devika Suresh, 1st year postgraduate student presented about the harmful effects of noise pollution and its control measures. In addition to it she explained about the adverse effects of electronic wastes often considered trivial by many due to lack of awareness. Consequences, after effects, precautions of major pollutants were explained in detail by Parvathy Chandran L, Postgraduate student. She further presented on various protocols regarding environment protection. Narration of major disasters enhanced the curiosity of the spectators

and was presented well. Mithun on behalf of the undergraduate students and Dr.Ratheesh Kumar V K on behalf of the faculty gave their feedback about the programme. The programme came to an end with the vote of thanks by Geethu G ,1st year postgraduate student.

Brochure and Programme schedule

GWJV+H78, M G College Rd, Sree Nagar, Kesavadasapuram, Thiruvananthapuram, Kerala 695004, India

Latitude
8.531586°

Longitude
76.9430126°

Local 03:07:34 PM
GMT 09:37:34 AM

Altitude -38.3 meters
Friday, 10-06-2022

GWJV+H78, M G College Rd, Sree Nagar, Kesavadasapuram, Thiruvananthapuram, Kerala 695004, India

Latitude
8.5315809°

Longitude
76.9430165°

Local 02:41:10 PM
GMT 09:11:10 AM

Altitude -38.3 meters
Friday, 10-06-2022

List of Students Participated in the programme

Sl. No.	Candidate Code	Name	Year and Semester
1.	63520118002	ASWANI M S	I PG
2.	63520118003	ASWATHY AS	I PG
3.	63520118004	DEVIKA J S	I PG
4.	63520118005	KRISHNANUNNI JV	I PG
5.	63520118006	MEDHA LAL R	I PG
6.	63520118007	NIVEDITHA MOHANDAS	I PG
7.	63520118008	PARVATHY CHANDRAN L	I PG
8.	63520118009	RAMJITH R P	I PG
9.	63520118010	SARIGA R	I PG
10.	63520118011	VAISHNA CHANDRAN P	I PG
11.	63520118012	VIMALKUMAR V M	I PG
12.	23521118001	ABHIMANYU H	I UG
13.	23521118003	ABHIRAMY B.R	I UG
14.	23521118006	ANASWARA. P.S	I UG
15.	23521118007	ANJALI KRISHNA. K. M	I UG
16.	23521118010	ASWATHY V. R	I UG
17.	23521118011	BHAGYALEKSHMI R	I UG

18.	23521118012	DEVENDU S N	I UG
19.	23521118014	MEENU P.S.	I UG
20.	23521118015	MITHUN G.M	I UG
21.	23521118016	NEHA. SN	I UG
22.	23521118017	PRAVEEN G	I UG
23.	23521118018	RENJITH R S	I UG
24.	23521118019	SIVANANDA M	I UG
25.	23521118020	SIVARENJANA R S	I UG
26.	23521118021	SIYA S NAIR	I UG
27.	23521118023	SRAVYA S. S.	I UG
28.	23521118024	SREELAKSHMI . B . J	I UG
29.	23521118025	SREELAL. L S	I UG
30.	23521118027	ABHINAV S	I UG
31.	23521118029	ADITHYA L.R.	I UG
32.	23521118030	AKHILA B	I UG
33.	23521118031	AMRITHA RANI. P.K	I UG
34.	23521118032	ANANTHAKRISHNAN A	I UG
35.	23521118033	ARDRA.G	I UG
36.	23521118034	ASWATHY S NAIR	I UG
37.	23521118035	B S ADIDEV	I UG
38.	23521118036	DEVIKA B V	I UG
39.	23521118037	DEVIPRIYA.R	I UG
40.	23521118038	GOURINANDA K A	I UG
41.	23521118039	KAVYA J	I UG
42.	23521118040	KRISHNENDU S	I UG
43.	23521118042	MEGHA MANOJ R	I UG
44.	23521118045	ROHITH S S	I UG
45.	23521118046	SABARINATH S P	I UG
46.	23521118048	ADHITHYA KRISHNAN A	I UG
47.	23521118049	ANOOP S	I UG
48.	23521118050	ASWATHY KRISHNAN	I UG
49.	23521118051	ATHIRA R S	I UG
50.	23521118052	G A GOPIKRISHNAN	I UG
51.	23521118053	JAGANNATH S	I UG
52.	23521118054	VYSHNAVI V S	I UG

ICT/computing skills

Program No.2- FLASHES

On 23rd of February 2023, the Postgraduate and Research Department of Chemistry of Mahatma Gandhi College, TVM in association with IQAC organized the extension program "**FLASHES**". The program included flash presentations based on scientific concepts along with a Quiz competition for school students. 30 Students from class IX of St. Mary's Higher Secondary School, Pattom were the participants. The inaugural session included words of wisdom from our respected Principal, Dr. Nanthyath Gopalakrishnan. Dr. Sikha T S, Head of the Department of Chemistry, and Dr. V K Ratheesh Kumar, IQAC Coordinator addressed the gathering. Dr. Dhanya V S proposed the vote of thanks.

Science education allows students to gain a better knowledge of how and why things function. Science creates curiosity that helps students understand and formulate questions on the information they have accumulated. Undergraduate as well as Postgraduate students were in charge of the flash presentations. 5 different and interesting Chemistry topics were presented before the school students in the form of flash presentations. Priyadersini P S presented about Proteins, their classification, and structure. The students found it interesting to learn about the proteins they have heard of in a different light. Learning about the environment and ways to conserve is the need of the hour. The presentation on pollution, its cause and effect were conducted by Parvathy Nair A V. Through her presentation she was able to draw the attention of the students to this very alarming scenario and the discussion on the measures to control pollution with those young minds was a ray of hope. A basic introduction to Polymers was given by Lipson Raju. The presentation was interesting as the students got to know about a variety of polymers around them. Presentation on Colloids, their classification, and properties was done by Anupama A S. Students were able to understand the concept clearly as the idea was given through a lot of examples. Chemistry is not just about some equations or reactions. It plays a major role in our lives and touches almost every aspect of our existence in some way or the other. Anandhu A S presented the importance of chemistry in everyday life vividly to the students. They were fascinated to learn about the chemistry behind common things like soaps, detergents, drugs, preservatives, etc.

The quiz competition "**GeNiUS**" was organized by the final year postgraduate

students. A preliminary round was conducted to shortlist 10 students for the main quiz. A questionnaire of 20 questions was given to each one of them and the top 10 were selected. They were paired into 5 teams – Curium, Nihonium, Moscovium, Tennessine, and Oganesson. The main quiz had 4 rounds – Periodic Table Round, Who Am I Round, Buzzer Round, and Rapid Fire. Team Curium won the competition and the winners were awarded gifts. Honest feedbacks from the participants were the ending note of the program.

MAHATMA GANDHI COLLEGE
POST GRADUATE & RESEARCH
DEPARTMENT OF CHEMISTRY
In Association with IQAC

"EXTENSION PROGRAMME"

FLASHES

(Flash Presentations based on Scientific Concepts & Quiz Competition for School Students)

Venue:-Seminar Hall
Date:-23/02/2023
Time:-10 am

Participating school:-
St.Mary's Higher Secondary School,Pattom

List of Students Participated in the programme

Sl. No.	Candidate Code	Name	Year and Semester
1.	33520118001	ABHAYA VINESH	III UG
2.	33520118002	ABHIRAM V K	III UG
3.	33520118003	ADARSH KRISHNAN J	III UG
4.	33520118004	ADHITHYA K H	III UG
5.	33520118005	AISWARYA M B	III UG
6.	33520118006	AISWARYA B	III UG
7.	33520118008	ANAKHA.S.R.	III UG
8.	33520118009	ANANDHU A S	III UG

9.	23520118010	ANJALI .P.S	III UG
10.	23520118011	ANJANA S KUMAR	III UG
11.	23520118012	APARNA.S.NAIR	III UG
12.	23520118013	ARATHY .A.S	III UG
13.	23520118014	ARYA A.S.	III UG
14.	23520118015	ASWATHY C	III UG
15.	23520118016	ATHIRA B S	III UG
16.	23520118017	ATHIRA.O.	III UG
17.	23520118019	DEVIKA A.J	III UG
18.	23520118020	FARSANA SUNIL	III UG
19.	23520118021	GAUTHAM MOHAN. Y. M	III UG
20.	23520118024	HARSHA G S	III UG
21.	23520118025	JAYANTH J S	III UG
22.	23520118027	KRISHNA VINOD. A	III UG
23.	23520118028	PANCHAMI KRISHNA P	III UG
24.	23520118029	PARVATHY NAIR.A.V.	III UG
25.	23520118030	PRIYADHARSHINI . S	III UG
26.	23520118031	REMYA P	III UG
27.	23520118032	SALMIYA S	III UG
28.	23520118033	SOUJITH SURESH	III UG
29.	23520118034	SUPRIYA RANI	III UG
30.	23520118043	GOURI M S	III UG
31.	23520118045	LAKSHMI B	III UG
32.	23520118046	MEGHA M S	III UG
33.	23520118047	PRIYADERSINI P S	III UG
34.	23520118049	VYSHNAVI.A.R	III UG
35.	23520118050	ANUJA ANANTHAKRISHNAN.G	III UG
36.	23520118051	BHAGYA SOMAN U S	III UG
37.	23520118054	SILPA B S	III UG
38.	23520118055	SREELEKSHMI SUNIL	III UG
39.	23520118058	GAYATHRI A S	III UG
40.	63522118001	AISWARYA S	I PG
41.	63522118002	ANJALY S NARAYANAN	I PG
42.	63522118003	ANJANA BAYAKODAN	I PG
43.	63522118004	ANJU KUNJUMON	I PG
44.	63522118005	ANUPAMA A S	I PG
45.	63522118006	BHADRA C VIKAS	I PG
46.	63522118007	GANGADEVI R	I PG
47.	63522118008	GOKUL M	I PG
48.	63522118009	GOPIKA S KUMAR	I PG
49.	63522118010	LIPSON RAJU	I PG
50.	63522118011	NOUFIA N S	I PG

Language and Communication skills

LAB VISIT

Second year UG students visited Department of Chemistry, University of Kerala, Kariavattom on 28th February 2023.
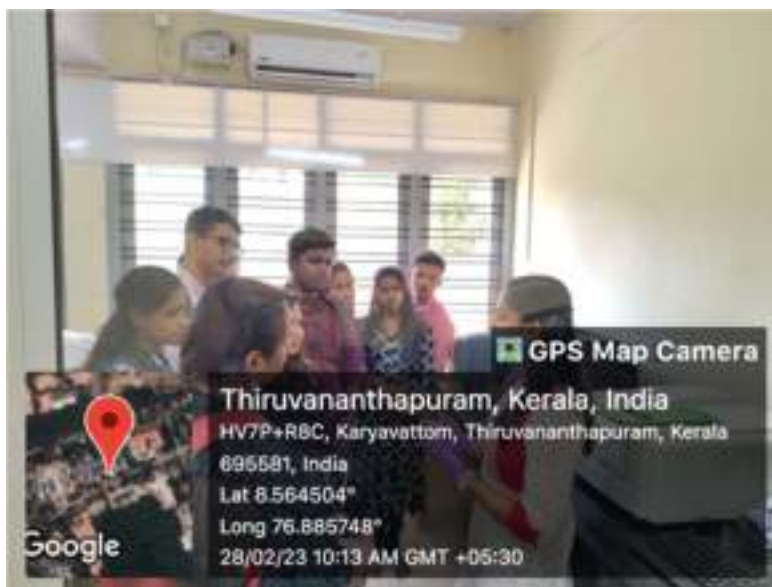
List of Students Participated in the programme

Sl. No.	Candidate Code	Name	Year and Semester
1.	23521118001	ABHIMANYU H	II UG
2.	23521118003	ABHIRAMY B.R	II UG
3.	23521118007	ANJALI KRISHNA. K. M	II UG
4.	23521118010	ASWATHY V. R	II UG
5.	23521118011	BHAGYALEKSHMI R	II UG
6.	23521118014	MEENU P.S.	II UG
7.	23521118015	MITHUN G.M	II UG
8.	23521118017	PRAVEEN G	II UG
9.	23521118020	SIVARENJANA R S	II UG
10.	23521118021	SIYA S NAIR	II UG
11.	23521118023	SRAVYA S. S.	II UG
12.	23521118024	SREELAKSHMI . B . J	II UG
13.	23521118027	ABHINAV S	II UG
14.	23521118029	ADITHYA L.R.	II UG
15.	23521118030	AKHILA B	II UG
16.	23521118031	AMRITHA RANI. P.K	II UG
17.	23521118032	ANANTHAKRISHNAN A	II UG
18.	23521118033	ARDRA.G	II UG
19.	23521118034	ASWATHY S NAIR	II UG
20.	23521118037	DEVIPRIYA.R	II UG

21.	23521118040	KRISHNENDU S	II UG
22.	23521118045	ROHITH S S	II UG
23.	23521118048	ADHITHYA KRISHNAN A	II UG
24.	23521118050	ASWATHY KRISHNAN	II UG
25.	23521118054	VYSHNAVI V S	II UG

Report of study tour conducted for S6 BSc Chemistry students (2020 admission)

A study tour for the final semester BSc degree students was conducted during 11/03/2023 to 16/03/2023. The tour was participated by fourty two students accompanied by faculty members of the department. As part of the tour, students visited Karnataka Silk Industries Corporation Limited, Mysore where they got an opportunity to visit and learn about the various steps involved in the production of natural silk fibres from cocoon. They also visited the facilities used for the production of textile materials from the silk fibres isolated from silkworms. The visit enabled the students to understand the scientific principles behind various processes used in the factory including sericulture, thread extraction, different types of dyeing, spinning of fibres, weaving and final production of consumer goods. The students visited the Sandalwood Oil Factory, Mysore and familiarized with the steam distillation process used to extract oil from crushed sandalwood. This was followed by the visit to tea factory at Ooty. During the visit, the students were informed about the various steps involved in the production of different quality tea from tea leaves and the machines used for the production of tea powder. The students got an opportunity to interact with the technical personnel of the tea production centre to know more about the scientific procedures being used in the factory. They also visited the instruments and protocols used in the quality control facility of the factory to ensure the prescribed standards for the final products from the production centre.

An awareness program on *Digital Banking* organized by PG & Research Dept. of Commerce, Mahatma Gandhi College, Thiruvananthapuram in association with Federal Bank, Thiruvananthapuram.

FEDERAL BANK
YOUR PERFECT BANKING PARTNER

Venue: Seminar Hall
Date: Aug 08,2022
Time: 1:30pm

Report on Awareness Programme on *Digital Accounting* organised by PG & Research Department of Commerce Mahatma Gandhi College in association with Federal Bank Trivandrum Region on 8th August 2022

Introduction

PG & Research Department of Commerce Mahatma Gandhi College in association with Federal Bank Trivandrum Region organized an awareness programme on Digital Banking on 8th August 2022 for PG and Second Year UG students. Seminar Hall was the venue for the programme. The programme began at 1.30 pm with a prayer and was followed by Acharayanusmaranam. Dr. Dileep. A.S, Senate Member, University of Kerala and Head of the Department of Commerce at Mahatma Gandhi College proposed welcome speech. The presidential address was given by Dr. V.M. Anandakumar, Principal, Mahatma Gandhi College. Dr. Pradeepkumar. N, Dr. Vinod A.S, Dr. Jayadev .S, Dr. Sumitha .R and Sri. Vishnu Gopan expressed felicitation to the programme and at 1.50 p.m. Sri. Rakesh S.(Programme Coordinator) gave a vote of appreciation to end the official inauguration. This was followed by the session on Digital Banking handled by Mr. Anoop Antony, Branch Head, Federal Bank Muttada Branch. The session ends at 3.30 pm.

Objective

This programme primarily focused on introduction to digital banking and its various products, need of customer education and awareness for digital products, internet banking and mobile banking and an overview of global and domestic payment systems.

Methodology of the Programme
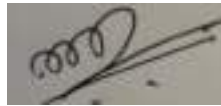
Mr. Anoop Antony, Branch Head, Federal Bank Muttada Branch led a 1.5 hour expert session through power point presentation and class participation and discussions, which was the backbone of the programme, to accomplish the aforementioned objective. He gave a clear picture on digital banking and demonstrate the method of opening an account and manner of carry out online banking. Altogether 49 students attend this programme, and they register using a Google Form that was made available to them.

Outcome of the Programme

The programme was a grand success and gave students a better grasp of various digital banking products and bank payment systems as well as provided   firsthand look at new technology that the bank had used to enhance the customer experience. This will undoubtedly beneficial to the students for having the necessary information to get acquainted with the dramatic changes in the financial sector due to the digital revolution. Google Forms were also used to gather comments and suggestions on the course.

Coordinator   **Head of the Department**   **Principal**

Photo Gallery

Thiruvananthapuram, Kerala, India
GWJV+R9J, Muttada, Sree Nagar, Kesavadasapuram, Thiruvananthapuram, Kerala
695044, India
Lat 8.531895°
Long 76.943662°
08/08/22 01:41 PM

Feedback analysis on *Digital Banking*, an Awareness Program organised by PG & Research Dept. of Commerce, Mahatma Gandhi College in association with Federal Bank Thiruvananthapuram

Kindly mark your opinion on following factors
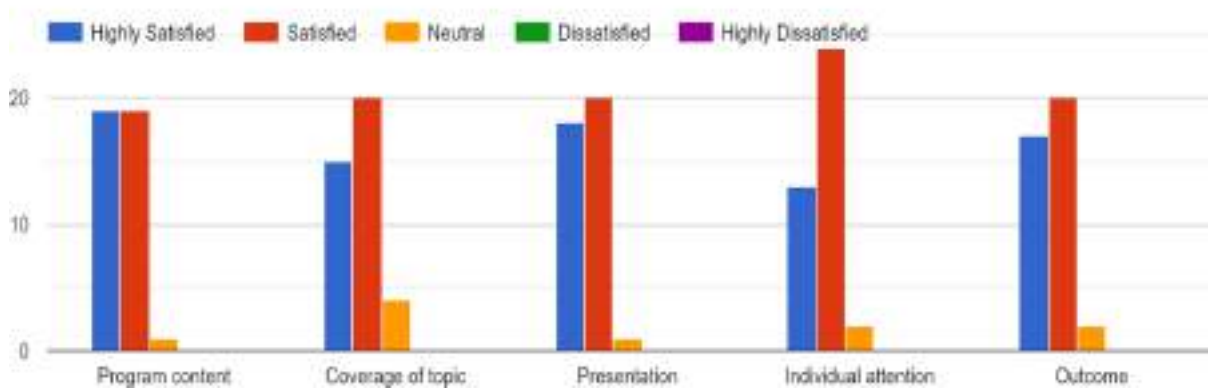
From the analysis of the feedback we can conclude that:

- Majority of the participants were satisfied with regards to the programme content.
- Most of the participants expressed great satisfaction on the topics covered during the session.
- The majority of the students expressed satisfaction with the expert's presentation and the individualised attention he provided during the session.
- The majority of students opined they were satisfied with the outcome since it was what they had anticipated.

An Awareness Program on *Digital Banking* Organised by PG & Research Department of Commerce Mahatma Gandhi College in Association with Federal Bank Trivandrum

Attendance Sheet

Sl No	Name	Course (UG/PG)	Signature
1.	Jishna.V.M	U.G	
2.	Bhagya.B.L	U.G	Bhagya
3.	Arsha.P.R	U.G	Arsha
4	Sailekshmy.S	UG	
5	Nandanas	UG	Nandana
6.	Amritha Varsha	UG	Amritha
7	Akhila Santhosh	UG	Akhita
8	Jithisha.V.S	UG	
9	Avani Anil	UG	
10	Soorya's Nair	UG	Soorya
11.	Radhika.R	UG	Radhika
12.	Aprycu Anilkumar	UG	
13.	Parvathy krishna.ss	UG	Parvathy
14.	Aaathy.v.s	UG	
15.	Nandhana Sajeev	UG	
16.	NAVYA SANAL	UG	Navya
17.	Gowrilekshmi.dR	UG	
18.	Asiya Nizar	UG	Anyanuzan
19.	Dwananda.D.R	UG	ardclena
20.	Devika Seokumar	PG	Devika
21	Devika Bhadran	PG	Devika
22	Anu.A.S	PG	Anu
23.	Aiswarya.T.S	PG	Aiswarya
24.	Kaveri.S.Giri	PG	Kaveri
25	Swathy premkumar	P.G	
26	Lakshmi mohan.R	P.G	
27	Mrithul Krishnan K.G	U.G	
28.	Akshay.S	U.G	
29.	Sabnam Sunil	UG	
30	Ashwin unni	UG	
31	Prince.s.s	UG	Prince
32	Pranav.P	UG	Pranav.P
33	Jithin J V	UG	Jithin
34.	Rakhul.G.S	UG	
35.	Adith.B.A.	UG.	
36.	Aswiaray	UG	
37.	Niranjan.S.P	UG	Niranjan

No.	Name	Programme	Signature
38	Pranav.S	UG	
39	Rauf. Khan	UG	
40	Achuth Balakrishnan	UG	
41	Rahul.R	UG	
42	Anjana.R.Nair	UG	
43	Pushpam.S	UG	
44	Abhima.T	UG	
45	Amrutha.S	UG	
46	Nandika. M.S	UG	
47	Nandana.A.R	UG	
48	Laya Udayan	UG	
49	Megha Manilyan.L	UG	

Rakesh.S
(Coordinator)

Dr. Dileep A.S
(HOD)

DEPARTMENT OF ECONOMICS

MAHATMA GANDHI COLLEGE
THIRUVANATHAPURAM

Is Offering a course
On

APPLIED ECONOMETRICS USING GRETL

COURSE DURATION

30 HOURS

STARTING FROM

Faculty

SRUTHI.S
ASST.PROFESSOR
DEPT.ECONOMICS
MG COLLEGE,
TVPM

31ST AUGUST 2022

INTRESTED STUDENTS CONTACT
THE DEPARTMENT

From

The HOD

Department of Economics

Mahatma Gandhi College, Tvpm.

22nd July 2022

Thiruvananthapuram

To

The Principal

Mahatma Gandhi College, Tvpm.

[Request for the approval of Add on course for the academic year 2022-23]
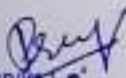
Sir/Ma'am,

The department is planning to offer an add on course during the academic year 2022-2023 under the title "**EC 33 Applied Econometrics using GRETL**". Smt Sruthi S, Assistant Professor, Department of Economics, Mahatma Gandhi college will be the course coordinator as well as the instructor. We have planned for a 30-hr course which is expected to commence by last week of August 2022 and is expected to conclude before February 2023. The targeted group is the Economics Graduate and Post-Graduate students. The details of the course are attached herewith.

Thanking You

Yours' sincerely

HoD

PRIYA L G
Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

Permitted

22/07/22

EC 33: Applied Econometrics using GRETL

Academic Year 2022-2023
Mahatma Gandhi College
Thiruvananthapuram

Course Synopsis

This is a course designed for final year undergraduate B A Economics or any M.A Economics student who has done a basic course in Econometrics in their undergraduate programme. The course is designed to extend students' knowledge of basic econometric concepts and techniques learnt in Econometrics. Students will learn multiple linear regression techniques with dummy variables, more functional forms, concepts of measurement errors, multicollinearity and heteroskedasticity. These skills can be utilized in analysing data across multiple disciplines such as economics, political science, finance, business etc.

GRETL is a powerful free statistical software that allows us numerous ways to analyse, manipulate and present data. This course is designed to provide an introduction to this software, which can perform both basic as well as advanced statistical analyses. It is **not** intended to explain you the statistical and/or econometric methods. Students will be introduced to some basic features of Stata (e.g., learning how to do data analysis using econometric tools) leading to efficient data management skills. We will include several topics on statistical analyses, performing regression analyses, as well as delving into the territory of graphics.

Prerequisites

- Basic Econometrics, Basic Mathematics, Simple understanding of Hypothesis testing and Distributions.
- Laptop or desktop is recommended. [Those who want to do the course but don't have laptop or desktop can contact the instructor and get lab assistance from the college.]

Course Outcome

Participants who successfully complete the course are expected to understand:

1. How to estimate OLS (simple linear and multiple linear regressions)
2. CLRM assumptions and how violations of these assumptions can affect statistical inferences;
3. How to interpret OLS statistics in different functional forms
4. Multicolliniarity and Heteroskedasticity (various test and remedies)
5. Instrumental variable approach to regression analysis;
6. Basics of the GRETL or Microsoft Excel used by economists to analyse economic data.

Class Timing

Morning Slot: 8:00 to 9:30
Evening Slot: 3:30 to 5:00

The class timings are fixed dates will be intimated later after the inaugural class.

Instructors and Hours

Instructor   : Sruthi S
Preferred Contact   : sruthi@mgcollegetvm.org

Readings

- Required Textbook: Wooldridge, J. M. (2009). Introductory Econometrics: A modern approach, 6th edition, Cengage Learning, India. [JW]
- Stock, J. H. & Watson, M. W. (2019). Introduction to Econometrics, 4tℕ edition, Pearson [SW].
- Damodar N Gujarati and Dawn C Porter (2009): Basic Econometrics, Fifth Edition, McGraw Hill International Edition [GJ]
- Damodar N Gujarati (2011): Econometrics by Example, First Edition, Palgrave, MacMillan [GJX]
- AH Studenmund: Using Econometrics: A Practical Guide, Fifth Edition, Pearson Education [SM]

Assessment

Evaluation will be 50% (internal lab exam in GRETL), 40% (Internal Written Exam: MCQ) and 10% for attendance and class participation.

Assessments:

You will have several assessments throughout the course. The classes will include lecture, lab sessions and the assessment will also be done continuously based on your performance in understanding the software and also your efficiency in understanding various econometric problems using GRETL.

Exams: There will be no assignment for the course. There will be a final exam (40% of your grade). The final exam will be held according to university schedule.

Academic Integrity: Academic Honesty, Cheating, and Plagiarism as per university policy.

Attendance Policy: As per University policy for any other regular course degree course.
Course Contents

Syllabus

30 Hrs

Module I: Simple Linear & Multiple Regression Model   10 Hrs

Introduction to Econometrics -The concept of PRF & SRF -Significance of stochastic error term- Method of ordinary least squares- Assumptions underlying the method of least squares- Properties of estimators- Gauss Markov Theorem-Coefficient of determination, r2 - Hypothesis testing- t and F tests-P value- Practical versus statistical significance-Prediction-

Multiple coefficients of determination R2 and adjusted R2-Hypothesis testing-Testing the overall significance of the regression model-F test

Module II. Econometric Problems and their testing   10 Hrs

Multicollinearity- Nature, consequences, detection and remedial measures-Autocorrelation-Nature, consequences, detection, and remedial measures- Heteroskedasticity-Nature, consequences, detection and remedial measures.

Module III. Dummy Variable Regression Model   10 Hrs

Dummy variable-ANOVA models-ANCOVA models-Dummy variable trap-Dummy variables and seasonal analysis-Structural analysis-Piecewise linear regression.

Important: This syllabus is intended to give the student guidance in what may be covered during the semester and will be followed as closely as possible. However, the instructor reserves the right to modify, supplement and make changes as the course needs arise.

• Multiple Regression Analysis: Further Issues
JW: Chapter 6
• Multiple Regression Analysis with Qualitative Information
JW: Chapter 7 and SW: Chapter 11
• Heteroskedasticity

faculty

SRUTHI S
Assistant Professor
Department of Economics
ma Gandhi College, TVPM

PRIYA L G
Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

2022-23

Applied Econometrics using GRETL

Faculty:	SRUTHI S
Start Date:	31st August 2022
End Date:	23rd January 2023
Hours:	32 hours
No of Days	**27** days
Total no of reg students:	45
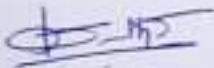
STUDENT LIST

sl no	Register number	Name
1	15020118003	ADHITHYA K A
2	15020118006	AMITHA . A . J
3	15020118009	ANOKHA S
4	15020118013	DEVIKA Y S
5	15020118015	MEKHA S
6	15020118016	NANDANA A S
7	15020118017	NIVA A S
8	15020118018	RADHIKA R.S
9	15020118026	ADHITHYA SANKAR A A
10	15020118029	AKASH B MANOHAR
11	15020118033	ARATHI B S
12	15020118035	ARAVIND A S
13	15020118036	ARDRA B S
14	15020118037	ASHTAMI A.S
15	15020118038	ATHIRA .S
16	15020118043	GANGA P K
17	15020118045	GAYATHRI S A
18	15020118046	GOKUL A
19	15020118047	GOWRI M R
20	15020118048	KARTHIKA P. NAIR
21	15020118051	MEGHA S KRISHNAN
22	15020118052	NIKHIL P SYAM
23	15020118053	PRANAY PRASANTH
24	15020118055	RESHMA R G
25	15020118057	S GOKUL
26	15020118058	S SANGEETH SURESH
27	15020118014	LEKSHMI S
28	15020118065	SREELEKSHMI V S
29	15020118073	THIRTHA K
30	15020118075	GOWTHAMLAL
31	55022118002	AKHILA N S
32	55022118003	ALEX S DAS
33	55022118004	ANAGHA DEV S
34	55022118005	ANJANA S

35	55022118006	ARUN SANKAR S
36	55022118007	ELA B
37	55022118008	GOURI SANKAR S
38	55022118009	MEGHA T GIREESH
39	55022118010	NANDHU HARIKRISHNAN
40	55022118011	NOUFIYA N
41	55022118012	SOORAJ R N
42	55022118013	SOORYA ASHOK
43	55022118014	SREEDEVI B
44	55022118015	SREERAKHI S S
45	55022118016	TEJI J

Instructor

SRUTHI S
Assistant Professor
Department of Economics
Mahatma Gandhi College, TVPM

PRIYA
Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

Department of Economics
Mahatma Gandhi College, Tvpm

Applied Econometrics using
GRETL (EC 33)

January 23rd, 2023

(16)

NAME: Gouri Sankar S

SECTION: 55022118009 (1st MA)

Instructions: Calculators are allowed. Total
Marks: 20 points.

1. [1 point] In the equation $y = \beta_0 + \beta_1 x + u$, β_0 is the **intercept parameter**

   (a) dependent variable

   (b) independent variable

   (c) slope parameter

   (d) intercept parameter ✓

2. [1 point] If an independent variable in a multiple linear regression model is an exact linear combination of other independent variables, the model suffers from the problem of **perfect multicollinearity**

   (a) perfect collinearity ✓

   (b) homoskedasticity

   (c) heteroskedasticity

   (d) omitted variable bias

3. [1 point] The assumption that there are no exact linear relationships among the independent variables in a multiple linear regression model fails if **n ≥ k**, where n is the sample size and k is the number of parameters. ✗

   (a) $n > 2$

   (b) $n = k + 1$

   (c) $n > k$

   (d) $n < k + 1$ ✓

4. [1 point] The Gauss-Markov theorem will not hold if ___C___

   (a) the error term has the same variance given any values of the explanatory variables

   (b) the error term has an expected value of non-zero given any values of the independent variables ✓

   (c) the independent variables have no exact linear relationships among them ✗

(d) the regression model relies on the method of random sampling for collection of data

5. [1 point] A model suffers from the problem of endogeneity if

    (a) OLS estimators are not predicted precisely.

    (b) The unobservables do not have constant variance.

    (c) Zero conditional mean assumption does not hold.

    (d) When x is uncorrelated with u

6. [1 point] True or False: The estimate $\hat{\sigma}$ is interesting because it is an estimate of the standard deviation of the unobservables affecting y. In other words, it estimates the standard deviation in y after the effect of x has been taken out and is called the standard error (s.e.). **True** ✓

7. [1 point] True or False: The term "linear" in a multiple linear regression model means that the equation is linear in the independent variables. **False** ✓

8. [1 point] True or False: The regression model, $ceosalary = \hat{a}_0 + \hat{a}_1(ceoten) + \hat{a}_2(ceoten^2) + \hat{a}_3 gender$ violates the assumption MLR 3. **False** ✓

9. [1 point] True or False: Overspecifying a model that satisfies MLR 1 through MLR 4 has undesirable effects on the unbiasedness and efficiency of OLS estimators. **False** ✓

10. [1 point] True or False: MLR 3 rules out certain relationships between explanatory variables and MLR 4 rules out relationships between unobservables and regressors. **True** ✓

11. [2 points] True or False: Larger the sampling variance in x in an SLR model, larger the sampling variance for OLS estimators. **True** ✗

12. [2 points] CEO salary and return on equity regression model looks like the following:

$$salary = 963.191 + 18.501 roe$$
$$n = 209, R^2 = 0.0132$$

$$= 100 - (R^2 \cdot 100)$$
$$= 100 - 1.32$$
$$= 98 \cdot 68$$

The percentage of salary variations for CEO's salary left unexplained by roe is

    (a) 13.2%

    (b) 1.32%

    (c) 98.68%

    (d) 18.501%

13. Using data on 5000 college students, the following equation was estimated by OLS

$$colGPA = 1.467 - 0.0128 hsperc + 0.00192 sat$$
$$n = 5000, R^2 = 0.234$$

where colGPA is measured on a 4-point scale, hsperc is the percentile in the high school graduating class (defined so that, for example, hsperc = 5 means the top 5% of the class), and sat is the combined math and verbal scores on the student achievement test.

(a) [2 points] The predicted college GPA when *sugpa* = 20 and *sat* = 1,000 is

    i. 0.676

    ii. 2.877

    iii. 2.978

    iv. 3.278

(b) [2 points] Suppose that two high school graduates, A and B, graduated in the same percentile from high school, but Student A's SAT score was 140 points higher (about one standard deviation in the sample). What is the predicted difference in college GPA for these two students?

    i. 0.2688

    ii. 1.0924

    iii. 0.3012

    iv. 0.2072

(c) [2 points] Holding *sugpa* fixed, what approximate difference in SAT scores leads to a predicted college difference of .5, or one-half of a grade point?
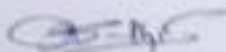
    i. 338

    ii. 200

    iii. 220

    iv. 260

Evaluated
Prepared by

Verified by

Department of Economics
Mahatma Gandhi College, Tvpm

Applied Econometrics using
GRETL (EC 33)

January 23rd, 2023

NAME:
SECTION: [Sample Question paper with solutions (answer key)]

Instructions: Calculators are allowed.
Total Marks: 20 points.

1. **[1 point]** In the equation $y = \beta_0 + \beta_1 x + u$, β_0 is the _____

   (a) dependent variable

   (b) independent variable

   (c) slope parameter

   (d) intercept parameter

2. **[1 point]** If an independent variable in a multiple linear regression model is an exact linear combination of other independent variables, the model suffers from the problem of _____

   (a) perfect collinearity

   (b) homoskedasticity

   (c) heteroskedasticity

   (d) omitted variable bias

3. **[1 point]** The assumption that there are no exact linear relationships among the independent variables in a multiple linear regression model fails if _____, where n is the sample size and k is the number of parameters.

   (a) $n > 2$

   (b) $n = k + 1$

   (c) $n > k$

   (d) $n < k + 1$ Ans: D

4. **[1 point]** The Gauss-Markov theorem will not hold if _____

   (a) the error term has the same variance given any values of the explanatory variables

   (b) the error term has an expected value of non-zero given any values of the independent variables

1

(c) the independent variables have no exact linear relationships among them

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(c) Zero conditional mean assumption does not hold.

(d) When x_i is uncorrelated with u

6. **[1 point]** True or False: The estimate $\hat{\sigma}$ is interesting because it is an estimate of the standard deviation of the unobservables affecting y. In other words, it estimates the standard deviation in y after the effect of x has been taken out and is called the standard error (s.e.). **True**

7. **[1 point]** True or False: The term "linear" in a multiple linear regression model means that the equation is linear in the independent variables. **False**

8. **[1 point]** True or False: The regression model, $ceosalary = \hat{a}_0 + \hat{a}_1 ceoten + \hat{a}_2 ceoten^2 + \hat{a}_3 gender$ violates the assumption MLR.3. **False**

9. **[1 point]** True or False. Overspecifying a model that satisfies MLR.1 through MLR.4 has undesirable effects on the unbiasedness and efficiency of OLS estimators. **False**

10. **[1 point]** True or False: MLR.3 rules out certain relationships between explanatory variables and MLR.4 rules out relationships between unobservables and regressors. **True**

11. **[2 points]** True or False: Larger the sampling variance in u in an SLR model, larger the sampling variance for OLS estimators. **False**

12. **[2 points]** CEO salary and return on equity regression model looks like the following

$$salary = 963.191 + 18.501 roe$$
$$n = 209, R^2 = 0.0132$$

The percentage of salary variations for CEO's salary left unexplained by roe is

(a) 13.2%

(b) 1.32%

(c) 98.68%

(d) 18.501% **Ans: C**

13. Using data on 5000 college students, the following equation was estimated by OLS

$$colGPA = 1.467 - 0.0128 hsperc + 0.00192 sat$$
$$n = 5000, R^2 = 0.234$$

where colGPA is measured on a 4-point scale, hsperc is the percentile in the high school graduating class (defined so that, for example, hsperc = 5 means the top 5% of the class), and sat is the combined math and verbal scores on the student achievement test.

(a) **[2 points]** The predicted college GPA when hsperc = 20 and sat = 1,050 is:

  i. 2.676

  ii. 3.227

  iii. 2.978

  iv. 3.576 **Ans: ii**

(b) **[2 points]** Suppose that two high school graduates, A and B, graduated in the same percentile from high school, but Student A's SAT score was 140 points higher (about one standard deviation in the sample). What is the predicted difference in college GPA for these two students?

  i. 0.2688

  ii. 1.0934

  iii. 0.3012

  iv. 0.2072 **Ans: i**

(c) **[2 points]** Holding hsperc fixed, what approximate difference in SAT scores leads to a predicted colgpa difference of .50, or one-half of a grade point?

  i. 338

  ii. 200

  iii. 220

  iv. 260 **Ans: iv**

Prepared by

SRUTHI S
Assistant Professor
Department of Economics
Mahatma Gandhi College, TVPM

Verified by

Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

3

2022-23

Applied Econometrics using GRETL
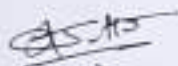
Faculty:	SRUTHI S
Start Date:	31st August 2022
End Date:	23rd January 2023
Hours:	32 hours
No of Days	21 days
Total no of reg students:	45

EVALUATION SHEET

sl no	Register number	Name	Marks	lab Grade	Sign
1	15020118003	ADHITHYA K A	17	A	
2	15020118006	AMITHA . A . J	16	A	
3	15020118009	ANOKHA S	17	A	
4	15020118013	DEVIKA Y S	16	A	
5	15020118015	MEKHA S	17	A	
6	15020118016	NANDANA A S	17	A	
7	15020118017	NIVA A S	16	A	
8	15020118018	RADHIKA R S	16	A	
9	15020118026	ADHITHYA SANKAR A A	18	A +	
10	15020118029	AKASH B MANOHAR	17	A	
11	15020118033	ARATHI B S	16	A	
12	15020118035	ARAVIND A S	19	A +	
13	15020118036	ARDRA B S	17	A	
14	15020118037	ASHTAMI A.S	17	A	
15	15020118038	ATHIRA S	16	A	
16	15020118043	GANGA P K	18	A +	
17	15020118045	GAYATHRI S A	18	A +	
18	15020118046	GOKUL A	17	A	
19	15020118047	GOWRI M R	17	A	
20	15020118048	KARTHIKA P NAIR	18	A +	
21	15020118051	MEGHA S KRISHNAN	17	A	
22	15020118052	NIKHIL P SYAM	19	A +	
23	15020118053	PRANAY PRASANTH	18	A +	
24	15020118055	RESHMA R G	18	A +	
25	15020118057	S GOKUL	18	A	
26	15020118058	S SANGEETH SURESH	19	A +	
27	15020118014	LEKSHMI S	19	A +	
28	15020118065	SREELEKSHMI V S	18	A	
29	15020118073	THIRTHA K	17	A	
30	15020118075	GOWTHAMLAL	17	A	
31	55022118002	AKHILA N S	18	A	
32	55022118003	ALEX S DAS	20	A+	
33	55022118004	ANAGHA DEV S	17	A	
34	55022118005	ANJANA S	17	A	

35	55022118006	ARUN SANKAR S	16	A +	
36	55022118007	ELA B	17	A	
37	55022118008	GOURI SANKAR S	16	A	
38	55022118009	MEGHA T GIREESH	18	A	
39	55022118010	NANDHU HARIKRISHNAN	18	A +	
40	55022118011	NOUFIYA N	16	A	
41	55022118012	SOORAJ R N	17	A +	
42	55022118013	SOORYA ASHOK	18	A	
43	55022118014	SREEDEVI B	16	A-	
44	55022118015	SREERAKHI S S	18	A	
45	55022118016	TEJI J	18	A	

Faculty

SRUTHI S
Assistant Professor
Department of Economics
Mahatma Gandhi

PRIYA L G
Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

REPORT

EC 33: Applied Econometrics using GRETL

Last year when the department offered the course only P G students participated. So, this year the department gave few introductory classes to UG students to encourage their participation as well. Based on last year's feedback we arranged smaller duration lab hours along with lecture hours to make it more efficient. Even though there was no much alterations in the curriculum of the course; the course delivery undertook a sea change.

GRETL being a free and student friendly software students were able to understand the basic concepts of econometric modelling as well as hypothesis testing. 2 to 3 students were clubbed into one group for the lab hours which was 1.5 hrs. rest of the sessions were planned as 1 hr sessions.

SRUTHI S
Assistant Professor
Department of Economics
Mahatma Gandhi College, TVPM

DEPARTMENT OF ECONOMICS

MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

KERALA

CERTIFICATE OF PARTICIPATION

Presented to

Mr / Ms. _Gowrisankar (SS02211800q) of 1st MA Economics_

for completing the add-on course on "**Applied Econometrics using GRETL**"organized by the department of Economics, Mahatma Gandhi College, Thiruvananthapuram in the academic year 2022-2023

Ms. Priya LG
H.O.D

PRIYA LG
Head of the Department
PG Department of Economics
Mahatma Gandhi College
Thiruvananthapuram

Ms. Sruthi S
Assistant Professor

SRUTHI S
Assistant Professor
Department of Economics
Mahatma Gandhi College, TVPM

Dr. Anandakumar VM
Principal

Principal
Mahatma Gandhi College
Thiruvananthapuram

Class hour – From 11 am class duration – thro 3:30 to 5:00pm

NO	Name	Reg no																	TOTAL	SIGN
1	Anakha S	(4)	TIME IN	✓	✓	✓	✓												100%	
2	Navadurs A S	(4)	TIME OUT	✓	a	a	✓												89%	
3	Amitha B S	(34)	SIGN	✓	a	a	✓												89%	
4	Thritha K	(45)	TIME IN	✓	✓	✓	✓												100%	
5	Akash B Manohar	(20)	TIME OUT	✓	✓	✓	✓												100%	
6	Adithya K A	(3)	SIGN	✓	✓	✓	✓													
7	Nina A S	(17)	TIME IN	✓	✓	✓	a												96%	
8	Rakhika R S	(18)	SIGN	✓	✓	a	✓												96%	
9	Gayathri S A	(14)	TIME IN	✓	✓	✓	✓												100%	
10	Kartika P Nair	(15)	TIME OUT	✓	✓	✓	✓													
11	Gowri M R	(54)	SIGN	✓	✓	✓	✓												100%	
12	S Gokul	(51)	SIGN	✓	✓	a	✓												96%	
13	Gokul A	(48)	TIME OUT	✓	✓	✓	✓												100%	
14	Nikhil P Syam	(52)	SIGN	✓	✓	a	✓												96%	
15	Megha S	(19)	SIGN	✓	✓	a	✓												96%	
16	Amrutha A J	(6)	TIME IN	✓	✓	✓	✓												100%	
17	Reshma R G	(53)	TIME OUT	✓	✓	✓	a												96%	
18	Megha S Krishnan	(51)	SIGN	✓	✓	✓	✓												100%	
19	Devika Y S	(13)	TIME IN	✓	✓	✓	✓												96%	
20	Athira S	(38)	TIME OUT	✓	a	✓	✓												100%	
21	Aravind A S	(36)	SIGN	✓	✓	✓	✓												100%	
22	S Sangeeth Suresh	(42)	TIME IN	✓	✓	✓	✓												100%	
23	Sreelekshmi V S	(45)	TIME OUT	✓	✓	✓	✓												100%	
24	Gowri Komal	(45)	SIGN	✓	✓	✓	a												96%	
25	Lekshmi S		TIME IN	✓	✓	✓	✓												96%	
26	Ganga P K	(28)	SIGN	✓	✓	✓	✓												100%	
27	Adithya Sankar A A	(28)	TIME IN	✓	✓	✓	✓												100%	
28	Jincy B S	(35)	TIME OUT	✓	✓	a	✓												96%	
29	Akshitamol A S	(37)	SIGN	✓	✓	✓	a												96%	
30	Pranav Prasad	(53)	SIGN	✓	✓	✓	✓												96%	
	TOTAL																			

DAILY ATTENDANCE

FOR THE MONTH OF _____ 20

NO.	NAME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	PRESENT	ABSENT	LEAVE	LATE	REMARKS
31	Akhila N S	TIME IN	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
32	Anagha Dev S	TIME OUT	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								92%				
33	Anjana S	SIGN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
34	Anna Sankar S	TIME IN	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								100%				
35	Ela B	TIME OUT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								100%				
36	Gowri Sankar S	SIGN	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
37	Megha T Ganesh	TIME IN	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
38	Nandhu Harikrishnan	TIME OUT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	a	✓	✓	✓								96%				
39	Navdurga M	SIGN	✓	a	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								92%				
40	Neeraj R M	TIME IN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
41	Neerja Ashok	TIME OUT	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	a	✓								92%				
42	Sreekhel B	SIGN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
43	Alex S Das	TIME IN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								100%				
44	Sreerekha S S	TIME OUT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								100%				
45	Teji J	SIGN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓								96%				
46		TIME IN																																	
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60		SIGN																																	
	TOTAL																																		

Add on Course

Dashboard Creation in Excel

2022-23

Request for administrative sanction reg

From   Rakesh Sunil (rakesh.sunilB9@yahoo.in)

To   nssmgcollege@gmail.com; principalmgctvm@gmail.com

Date   Thursday, 9 March, 2023 at 03:51 pm GMT

Sir
As per the instructions from Principal and IQAC. PG and Research Department of Commerce in association with
Skillspark Tvm is planning to start an Add on course on Advanced Excel for both PG and UG students from tomorrow
onwards (9.3.2023). I kindly request you to provide administrative sanction for the same.

Thanking you
Dr. Rakesh S
Program coordinator

PG & RESEARCH DEPARTMENT OF COMMERCE & IQAC

MAHATMA GANDHI
COLLEGE, TRIVANDRUM

Add on Course

Dashboard
Creation in Excel

From
March 10th Friday onwards
11:30 AM

Joanna Jose Pereira
CCROM Cum Accounting Faculty

In association with

SKILLSPARK
THE FINISHING SCHOOL

Skillspark The Finishing School Pvt. Ltd

Google Meet

"Skills Speak louder than degrees"

www.skillspark.training

Report on Add on Course Dashboard Creation in Excel organised by PG & Research Department of Commerce Mahatma Gandhi College in association with Skillspark The Finishing School Pvt. Ltd from March10th 2023 to March 19th 2023

Introduction

PG & Research Department of Commerce Mahatma Gandhi College in association with Skillspark The Finishing School Pvt. Ltd organized a 10 day (*30 lecture hours*) add-on course on Dashboard Creation in Excel from March 10th 2023 to March 19th 2023 for PG and UG students through hybrid mode. Google meet and Microsoft Excel were the platforms used for this programme. The programme began on March 10th, 2023, at 11.30am with a prayer and was followed by Acharayanusmaranam. Dr. Dileep. A.S, Senate Member, University of Kerala and Head of the Department of Commerce at Mahatma Gandhi College proposed welcome speech. The presidential address was given by Prof. Dr. Nanthyath Gopalakrishnan., Principal, Mahatma Gandhi College. Dr. Pradeepkumar. N, Dr. Vinod A.S, Dr. Jayadev, Dr. Sumitha .R and Sri. Vishnu Gopan expressed felicitation to the programme and at 12.15 p.m., Sri. Rakesh S.(Programme Coordinator) gave a vote of appreciation to end the official inauguration. On March 21, 2023, at 10:00 AM., a valedictory ceremony for the 10-day course was held at the department seminar hall. Certificates to the participants were also distributed during this session.

Objective of the Programme

This programme primarily focused on areas in Advanced Excel especially dashboard creation to train students to pursue a career in the accounts & finance field. This was done in awareness of the reality that there are numerous employment prospects but a scarcity of multi-skilled candidates to meet companies' present needs.

Methodology of the Programme

MsJoanna Jose Pereira, CCROM cum Finance Faculty Skillspark, led a 30-hour expert session over 10 days using a blended learning strategy, which was the backbone of the programme, to accomplish the aforementioned objective. As per the feedback from the last course we offered, both online and offline sessions were conducted to have a better understanding of the topic.49 students chose to participate in this programme, and they registered using a Google Form provided to them.

Outcome of the Programme

The course was successful and educational, and it helped students have a better understanding of several areas of Advanced excel and especially dashboard creation in excel such as planning a dashboard, adding tables and charts, and adding dynamic content to the dashboard. They will surely benefit from having the tools required to meet industrial criteria. In addition, an assessment test was given to evaluate the course's effectiveness. Google Forms were also used to collect feedback and recommendations for the training.

Coordinator

Head of the Department

Principal

Dr. DILEEP A.S
Assistant Professor & Head
PG Department of Commerce & Research Centre
Mahatma Gandhi College, Thiruvananthapuram

Course syllabus

Aim of the Course: To impart knowledge to students have a better understanding of dashboard creation in excel such as planning a dashboard

Course Objectives:

1. To impart knowledge regarding concepts of Advanced Excel
2. To make students capable for Dashboard creation in Excel

Module 1: Introduction to Advanced Excel (3 Hours)

An overview on-screen- navigation- spreadsheet concepts- selection techniques- short keys

Module 2: Using functions (3 Hours)

Using different functions- Sum, average, max, min, count- Absolute, mixed and relative referencing

Module 3: Mathematical Functions (3 Hours)

SumIf, SumIfsCountIfsAverageIfs, Nested If, AND, OR, NOT

Module 4: Test Functions (3 Hours)

Upper, lower- Left, mid, right- Trim- Concatenate- Find, Substitute

Module 5: Date & Time functions (3 Hours)

Today-now- Day-month-year- Date- Weekday

Module 6: Paste special techniques (3 Hours)

Paste formulas- Paste validations-Transpose Tables

Module 7: Sorting & Filtering (3 Hours)

Filtering on text, numbers- Sorting options- Advanced filters

Module 8: Printing workbooks (3 Hours)

Setting up print area- Customization of header and footer- Print titles / Repeat rows & Columns

Module 9: Introduction to Excel Dashboards (2 hours)

Planning a dashboard, adding tables and charts, and adding dynamic content

Module 10: Advanced Excel Dashboard creation (2 hours)

Basic charting, Advanced charting, First data in dashboard, Conditional formatting

Enrolment List

Sl No.	Name	Contact Number	Course
1	JOJOREXON	9072862602	M. Com
2	Anju S	9188364594	Bcom
3	Devika G R	6282520995	B.Com
4	Eminia Johnson	9188804542	Bcom
5	Malavika U S	7994058281	Bcom
6	Chelsy John	9207696824	Bcom
7	Reshma. L. R	7510115875	B.Com
8	Megha S Nair	8111946766	B.com
9	Ashwin M V	7994098517	Bcom
10	Arsha. P. R	9633014518	Bcom
11	Shahin. S	8547077009	B. Com
12	Anusree A S	9895376089	Mcom
13	Midhun.M	9895809664	B.com
14	Jisha.s	9567871328	Bcom
15	Nandana.s	8590410398	Bcom
16	Rahul P N	9895599659	Mcom
17	Pranav.S	6238817168	Mcom
18	Abhinand Raj	6282702912	Bcom
19	Jishitha B	9567441168	Mcom
20	PRANAV DD	9048366542	BCOM
21	Jishna VM	9995509499	Plus two
22	Anusree A S	9895376089	Bcom
23	Anu A S	9020115715	Mcom
24	Swathy premkumar	7907821072	M.com
25	Aiswarya I. S	9074157112	Bcom
26	Megha S Nair	8111946766	Mcom
27	Annya Anilkumar	9207193010	Bcom
28	Swathy premkumar	7907821072	Bcom
29	Ammu O S	7559973130	Mcom
30	Jishitha B	9567441167	Mcom
31	Kaveri S Giri	9497599361	Bcom
32	Jefin Jose	8078409336	Mcom
33	Radhika. R	8848311326	Bcom
34	Parvathy Krishna s s	8078313082	Bcom
35	Devika Sreekumar	9188783294	BCom
36	Nithyakrishnan	9947512550	Bcom
37	Anupama Madhu	9074260213	Bcom
38	Ajay. M	8301028549	B. Com
39	Niranjan	7012000596	bcom
40	Arathy v s	8086780071	BCOm
41	Aparna S Prasad	6238154951	Bcom
42	AHALYA KRISHNA	8301944641	Mcom
43	Lakshmi Mohan R	8086631469	B Com
44	DEVIKA BHADRAN	7907227428	Mcom
45	Rauf khan	9778477467	Bcom
46	Bharath S K	9188491227	Bcom
47	Soorya S Nair	9074702325	Mcom
48	Hima V Nair	9544884897	Bcom
49	Greeshma Satheesh	9400782054	Bcom

Dashboard Creation (Online Class)

Assessment Questions.1 mark each

1. How can we represent data in a dashboard?

   a. Using Tables
   b. Using Charts
   c. Using Figures
   d. All of the above

2. Shortcut key for adding a row/column.

   a. ALT "+"
   b. SHIFT + ALT "+"
   c. CTRL + ALT "+"
   d. CTRL "+"

3. Which tab has the Data Validation ribbon?

   a. Home tab
   b. Developer Tab
   c. Data Tab
   d. Review Tab

4. What is the purpose of using Freeze pane?

   a. Freeze top Row
   b. Freeze First Column
   c. Freeze according to the purpose.
   d. All of the above.

5. What is the purpose of using double lock?

    a. To not apply the formula to the selected set of cells.
    b. To apply the formula only to the row.
    c. To apply the formula only to the column.
    d. To apply the formula to the selected cells and not beyond that.

6. If there are two criteria while finding the count of a data, which formula needs to be used?

    a. Count
    b. Countifs
    c. Countif
    d. Count A

7. To add a shade to a cell, which option needs to be selected?

    a. Conditional Formatting
    b. Fill Colour
    c. Font Colour
    d. None of the above

8. Under which tab is the Macro function available?

    a. Data Tab
    b. View Tab
    c. Developer Tab
    d. Home Tab

9. Under which group does the "No border" option available?

    a. Styles Group
    b. Editing Group
    c. Font Group
    d. Data Tools

10. Suppose you need to apply a restriction where your data cannot accept texts which more than 10 characters, which function would you use?

    a. Data Validation
    b. Lookup functions
    c. Logical Functions
    d. None of the above

11. X- lookup can be used for:

    a. Vertical data
    b. Horizontal data
    c. Scattered data
    d. Both a and b

12. Demerits of H-lookup:

    a. Can be used only for Vertical data
    b. Can be used only for horizontal data
    c. Cannot insert a new row between the data after entering the formula.
    d. Both b and c

13. Chart option comes under which tab?

    a. Home Tab
    b. Review Tab
    c. View Tab
    d. Insert tab

14. What is the purpose of using the unique value?

    a. To find the total number
    b. To highlight the cells
    c. To extract data which are not repeated
    d. None of the above

15. Why do you make the excel sheet macro enabled?

    a. To support the functioning of macro
    b. To apply the formulas
    c. To protect the data
    d. All of the above

16. What is the shortcut key to select the entire cells in a sheet?

    a. SHIFT + ALT + A
    b. ALT + A
    c. SHIFT + CTRL + A
    d. CTRL + A

17. What is the shortcut key to access Formal cells options?

    a. CTRL + F
    b. CTRL + 1
    c. ALT + 1
    d. ALT + F

18. Which ribbon is not available inside the Font group?

a. Format Painter
b. Fill Colour
c. Increase Font Size
d. Fill Colour

19. Protect sheet comes under which tab?

a. Review Tab
b. View Tab
c. Home Tab
d. Page layout Tab

20. Hyperlink is used for:

a. Linking to another sheet
b. Linking a function
c. Linking to another document
d. Both a and b

21. What is the shortcut key to repeat the last action/session?

a. F3
b. FN + F4
c. F4
d. Both b and c

22. "Freeze Pane" comes inside which group?

a. Zoom Group
b. Window Group
c. Page Setup
d. Editing

23. "Illustrations" comes under which tab?

a. Page Layout Tab
b. Insert Tab
c. View Tab
d. Formula Tab

24. What is the purpose of data validation?

a. Validating Data
b. Highlighting Data
c. Restricting Data
d. None of the above

25. In IF AND function:

a. Only one criterion has to be satisfied
b. No criteria have to be satisfied
c. All criteria have to be satisfied
d. Only two criteria have to be satisfied.

Add- on Course on Advanced Excel (Dashboard Creation)organised by PG &
Research Department of Commerce Mahatma Gandhi College in association with
SkillsparkThe Finishing School Pvt. Ltd from march10th 2023 to March 19th 2023

Student Assessment Test Mark list

Sl No	Name	Marks Obtained out of 50
1	JOJOREXON	50
2	ANJU S	50
3	DEVIKA G R	40
4	EMINIA JOHNSON	42
5	MALAVIKA U S	40
6	CHELSY JOHN	44
7	RESHMA. L. R	42
8	MEGHA S NAIR	40
9	ASHWIN M V	46
10	ARSHA. P. R	40
11	SHAHIN. S	44
12	ANUSREE A S	36
13	MIDHUN.M	40
14	JISHA.S	50
15	NANDANA.S	40
16	RAHUL P N	40
17	PRANAV.S	40
18	ABHINAND RAJ	50
19	JISHITHA B	40
20	PRANAV DD	46
21	JISHNA VM	40
22	ANUSREE A S	44
23	ANU A S	40
24	SWATHY PREMKUMAR	48
25	AISWARYA I. S	50
26	MEGHA S NAIR	40
27	ANNYA ANILKUMAR	50
28	SWATHY PREMKUMAR	50
29	AMMU O S	40
30	JISHITHA B	48

31	KAVERI S GIRI	40
32	JEFIN JOSE	44
33	RADHIKA. R	46
34	PARVATHY KRISHNA S S	50
35	DEVIKA SREEKUMAR	40
36	NITHYAKRISHNAN	44
37	ANUPAMA MADHU	46
38	AJAY. M	40
39	NIRANJAN	48
40	ARATHY V S	42
41	APARNA S PRASAD	40
42	AHALYA KRISHNA	42
43	LAKSHMI MOHAN R	44
44	DEVIKA BHADRAN	50
45	RAUF KHAN	46
46	BHARATH S K	44
47	SOORYA S NAIR	40
48	HIMA V NAIR	50
49	GREESHMA SATHEESH	48

Coordinator

Head of the Department

Principal

Dr. DILEEP A.S
Assistant Professor & Head
PG Department of Commerce & Research Centre
Mahatma Gandhi College, Thiruvananthapuram

Feedback Form- **Add on Course on Advanced Excel**

(Questionnaire for Students)

* Required

1.   1.1 Name *

2.   1.2 Gender *

   Mark only one oval.

   ◯ Male

   ◯ Female

   2. Opinion on Value Added Course on Professional Accounting using Tally Prime

3. Kindly mark your opinion on following factors *

Mark only one oval per row

	Highly Satisfied	Satisfied	Neutral	Dissatisfied	Highly Dissatisfied
Course content	○	○	○	○	○
Skill development	○	○	○	○	○
Coverage of syllabus	○	○	○	○	○
Interaction	○	○	○	○	○
Individual attention	○	○	○	○	○
Outcome	○	○	○	○	○

4. Suggestions if any

_____

Feedback analysis on *Advanced Excel* organised by PG & Research Department of Commerce, Mahatma Gandhi College in association with Skillspark Trivandrum

Kindly mark your opinion on following factors
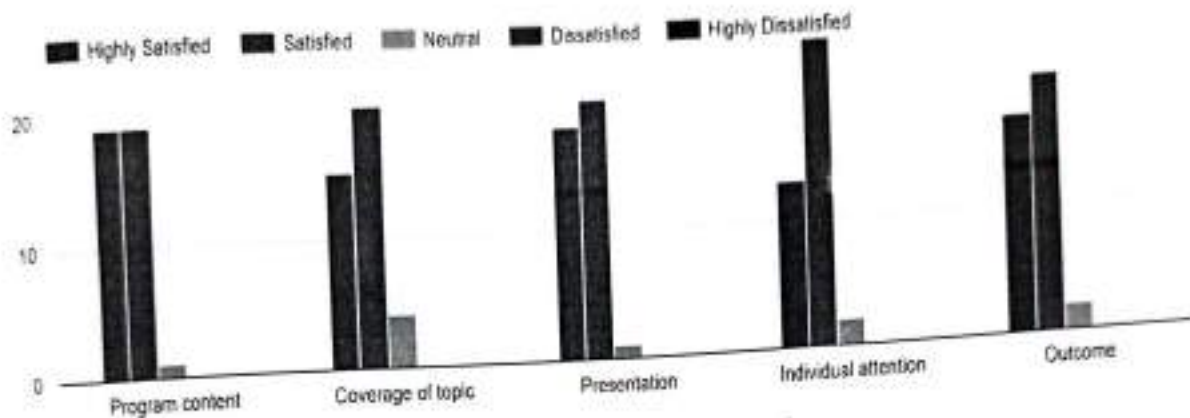
From the feedback, we can conclude that:

Mostparticipants were pleased with the program's substance. Most participants strongly expressed their appreciation of the session's topics. The expert's presentation and the individualized attention he gave each student during the session were well-received by the majority of the pupils. The majority of students felt the conclusion was satisfactory because it was what they expected.

People　　Informati...　　Activities

🧑 SHAHIN S (You)

CCROM TV...
Meeting host

CCROM TV...
Meeting host

CCROM TV...
Meeting host

20 Soorya ...

V 32.Arathy ...

52 Arsha P.R

V 55 Jishna ...

A Abhinand ...

A Aiswarya

Anusree A s

CHELSY J...

You

GGR +14

Devika Rha

← yxw-foet-x... ›

CCROM

CCROM is presenting

← **About this call**

People   Informati...   Activities

SHAHIN S (You)

CCROM TV...
Meeting host

CCROM TV...
Meeting host

CCROM TV...
Meeting host

K   14 .Parvath...

31 Annya A...

V   32.Arathy ...

M   44Radhika ...

52 Arsha P.R
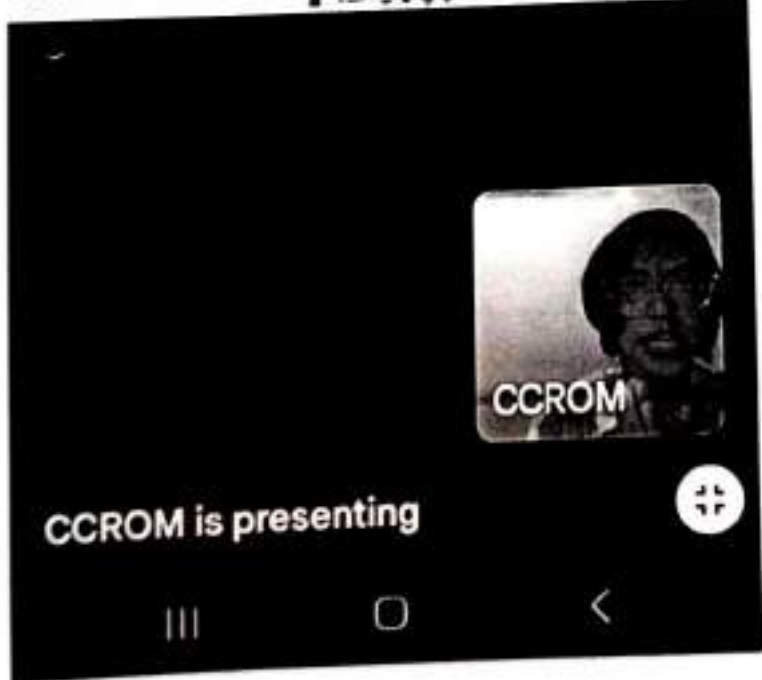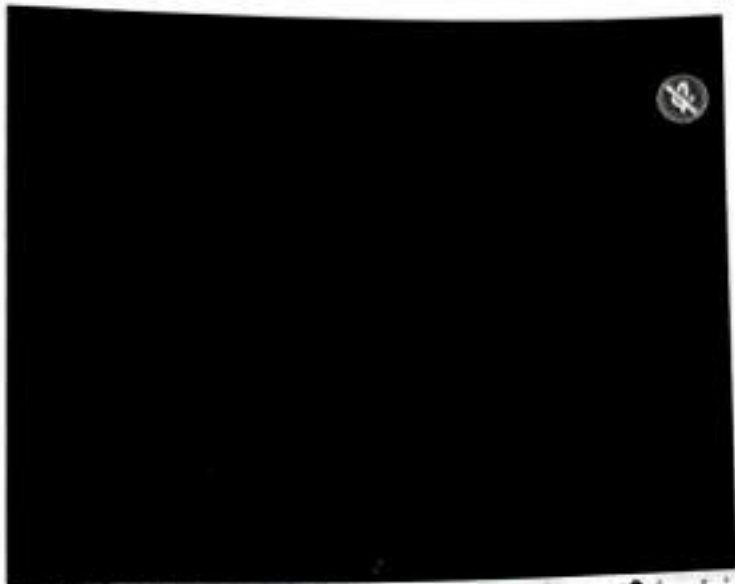
V   55 Jishna ...

A   Aiswarya

A   Anupama ...

You   GGR(+21

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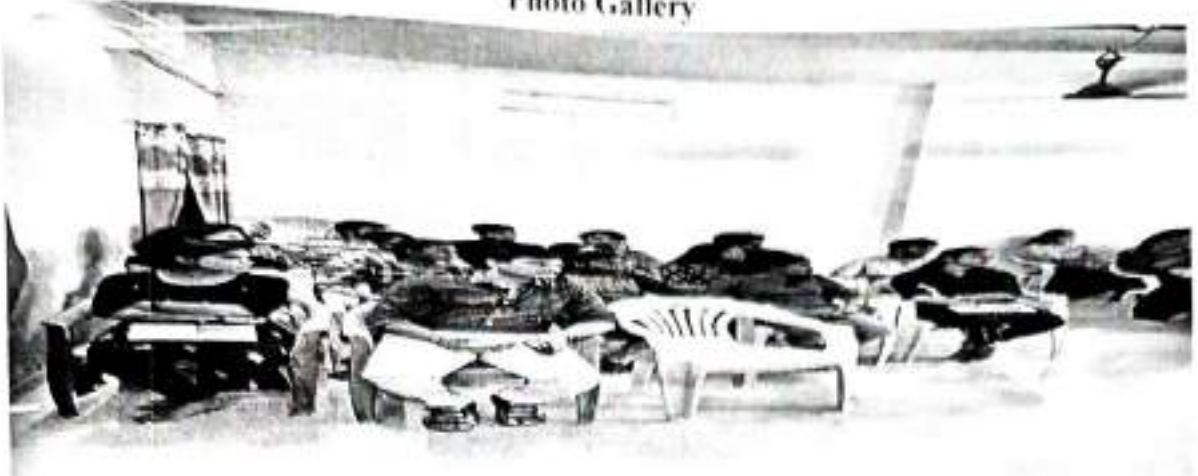
Thiruvananthapuram, KL, India
Sree Manneth Padmanabhan Road,
Kesavadasapuram, Thiruvananthapuram, 695004,
KL, India
Lat 8.531892, Long 76.943758
03/10/2023 11:36 AM GMT+05:30

Thiruvananthapuram, Kerala, India
GWJV+R9J, Muttada, Sree Nagar, Kesavadasapuram, Thiruvananthapuram,
Kerala 695044, India
Lat 8.531933°
Long 76.943824°
21/03/23 10:46 AM GMT +05:30

Thiruvananthapuram, Kerala, India
GWJV+MWV, Vyasa Nagar, Sree Nagar, Kesavadasapuram,
Thiruvananthapuram, Kerala 695044, India
Lat 8.531407°
Long 76.944144°
21/03/23 10:29 AM GMT +05:30

Thiruvananthapuram, Kerala, India
GWJV+MWV, Vyasa Nagar, Sree Nagar, Kesavadasapuram,
Thiruvananthapuram, Kerala 695044, India
Lat 8.531926°
Long 76.944117°
21/03/23 10:43 AM GMT +05:30

Thiruvananthapuram, Kerala, India
746, Kuravankonam Ambalamukku Rd, Near Bonoy Marbles, Ambalamukku,
Thiruvananthapuram, Kerala 695005, India
Lat 8.52723°
Long 76.955124°
21/03/23 09:54 AM GMT +05:30

Thiruvananthapuram, Kerala, India
746, Kuravankonam Ambalamukku Rd, Near Bonoy Marbles,
Thiruvananthapuram, Kerala 695005, India
Lat 8.52723°
Long 76.955124°
21/03/23 09:54 AM GMT +05:30

GPS Map Camera

Thiruvananthapuram, Kerala, India
746, Kuravankonam Ambalamukku Rd, Near Bonoy Marbles, Ambalamukku,
Thiruvananthapuram, Kerala 695005, India
Lat 8.52723°
Long 76.955124°
21/03/23 09:53 AM GMT +05:30

CERTIFICATE OF PARTICIPATION

This Certificate is awarded to

For participation in   Add on Course on **DASHBOARD CREATION**

conducted by Skillspark The Finishing School Pvt Ltd from 2023 March 10

in association with   **MG College, Trivandrum**

CEO

Suhas PS

www.skillspark.training

SKILLSPARK

CERTIFICATE OF PARTICIPATION

This Certificate is awarded to **Mr. Shahin. S**

For participation in 10 days Add on Course on **DASHBOARD CREATION**

conducted by Skillspark The Finishing School Pvt Ltd from 2023 March 10

in association with **MG College, Trivandrum**

CEO
Suhas PS

SKILLSPARK

www.skillspark.training

Value Added Course

Tally prime with GST

2022-2023

Fw: INVITATION TO HOST STTP-SKILLSPARK

From: Rakesh Sunil (rakesh.sunil89@yahoo.in)

To: nssmgcollege@gmail.com

Date: Friday, 24 June, 2022 at 10:58 am IST

Maam,

Department of Commerce in association with IQAC and Skills Spark- The Finishing School is planning to conduct a 10 days Short Term Training Course on Professional Accounting using Tally Prime for PG and second-year UG students of this department starting from 04/07/2022. Invitation from the Skills Spark regarding the same is attached. Kindly grant administrative permission for conducting the program

Thanking you
Rakesh S
(Programme Co-ordinator)
Assistant Professor of Commerce

----- Forwarded message -----
From: Skillspark The Finishing School <mail@skillspark.training>
To: "rakesh.sunil89@yahoo.in" <rakesh.sunil89@yahoo.in>
Sent: Wednesday, 22 June, 2022 at 11:23:51 am IST
Subject: INVITATION TO HOST STTP-SKILLSPARK

Dear Sir/Ma'am,

This is an official invitation to host our Short Term Training Program on Professional Accounting with Tally Prime . We can schedule the event at a time without affecting regular class schedules.
Also the event posters as well as videos for the college can be created by our multimedia team which would provide an extra mileage for the event and hosting college.Please let us know the convenient day for the event.Your prompt action would highly be appreciated.

Attaching the invitation brochure along with this mail .

📄 accounting br (5).pdf

--
Yours sincerely,

Suhas P S
CEO
SKILLSPARK- THE FINISHING SCHOOL
2nd Floor, Amrithalakshmi Towers, Vadayattukotta Road, Kollam- 691001

Phone 8592830111
www.skillspark.training.

SKILLSPARK
THE FINISHING SCHOOL

Re: INVITATION TO HOST STTP-SKILLSPARK

From: Rakesh Sunil (rakesh.sunil89@yahoo.in)

To: mail@skillspark.training

Date: Friday, 24 June, 2022 at 11:16 am IST

Sir,
Thank you for the invitation to conduct 10 days STTP for our students. We are planning to start our course on 04/07/2022. Kindly look into it

Thank you
Rakesh S
Assistant professor of Commerce
MG College Trivandrum

On Wednesday, 22 June, 2022 at 11:23:51 am IST, Skillspark The Finishing School <mail@skillspark.training> wrote:

Dear Sir/Ma'am,

This is an official invitation to host our Short Term Training Program on Professional Accounting with Tally Prime . We can schedule the event at a time without affecting regular class schedules.
Also the event posters as well as videos for the college can be created by our multimedia team which would provide an extra mileage for the event and hosting college.Please let us know the convenient day for the event.Your prompt action would highly be appreciated.

Attaching the invitation brochure along with this mail .

📄 accounting br (5).pdf

--

Yours sincerely,

Suhas P S
CEO
SKILLSPARK- THE FINISHING SCHOOL
2nd Floor, Amrithalakshmi Towers, Vadayattukotta Road, Kollam- 691001

Phone: 8592830111
www.skillspark.training.

SKILLSPARK
THE FINISHING SCHOOL

Value Added Course
ON
Professional Accounting Using
TALLY PRIME

Organized by

PG & RESEARCH DEPARTMENT OF COMMERCE

MAHATMA GANDHI
COLLEGE, TRIVANDRUM

In Association with

Skillspark The Finishing School Pvt. Ltd

Trivandrum & Kollam

SKILLSPARK
THE FINISHING SCHOOL

From

July 4th Monday onwards
7:30 PM - 8:30 PM

Jithin Madhu

V ROOM

"Skills Speak louder
than degrees"

Report on Value Added Course on Professional Accounting using Tally Prime organised by PG & Research Department of Commerce Mahatma Gandhi College in association with Skillspark The Finishing School Pvt. Ltd from July 4th 2022 to July 15th 2022

Introduction

PG & Research Department of Commerce Mahatma Gandhi College in association with Skillspark The Finishing School Pvt. Ltd organized a 10 day (*30 lecture hours*) value added course on *Professional Accounting using Tally Prime* from July 4th 2022 to July 15th 2022 for PG and Second Year UG students through online mode. Google meet and Tally prime were the platforms used for this programme. The programme began on July 4th 2022 at7.30 pm with a prayer and was followed by Acharayanusmaranam. Dr. Dileep. A.S, Senate Member, University of Kerala and Head of the Department of Commerce at Mahatma Gandhi College proposed welcome speech. The presidential address was given by Dr. Ambili M., Principal, Mahatma Gandhi College. Dr. Pradeepkumar. N, Dr. Vinod A.S, Dr. Jayadev.S, Dr. Sumitha .R and Sri. Vishnu Gopan expressed felicitation to the programme and at 8:00 p.m., Sri. Rakesh S.(Programme Coordinator) gave a vote of appreciation to end the official inauguration. On July 15, 2022, at 10:00 p.m., a closing ceremony for the 10-day course was held online. On July 18, 2022, at the Commerce Department, newly appointed Principal Dr. V.M. Anandakumar distributed certificates to the participants.

Objective of the Programme

This programme primarily focused on trending areas in Digital Technologies, Professional Accounting, and Administration Field to train individuals completely in computerised accounting using Tally Prime to pursue a career in this field. This was done in recognition of the fact that there are significant career opportunities but a lack of multi-skilled candidates to fulfill current needs of companies.

Methodology of the Programme

Mr. JithinMadhu, Faculty Head Skillspark, led a 30 hour expert session over 10 days using a blended learning strategy, which was the backbone of the programme, to accomplish the aforementioned objective.48 students chose to participate in this programme, and they registered using a Google Form provided to them.

SYLLABUS OF THE COURSE

Aim of the Course: To impart knowledge to students how to manage accounting, inventory, orders and pay roll in tally prime and to acquaint with practicality and current industry norms.

Course Objectives:

1. To impart knowledge regarding concepts of Financial Accounting using Tally as an accounting package.
2. To make students capable to create company, enter accounting voucher entries including advance voucher entries, reconcile bank statement, do accrual adjustments, and also print financial statements, etc. by using Tally as an accounting package

Module 1 : Tally Introduction and Installation (3 Hours)

Accounting principles and concepts- Types of Accounts- Rules of accounting- Introduction to Tally- How to install Tally prime- Short keys for the features in tally

Module 2 : Company creation Backup and Restore (3 Hours)

Creation of company- Configuration- Company features- How to alter a company- How to delete a company- How to create backup of a company- Ledger creation in tally

Module 3 : Accounting Masters Ledger creation , Group (3 Hours)

Chart of groups- Groups- Multiple Groups- Ledgers- Multiple ledgers- Creation-Alteration-Deletion

Module 4 : Introduction of Accounting Voucher & Entry (3 Hours)

Type of Vouchers- Default vouchers in Tally- How to give date in Tally- Creation of Vouchers-Accounting Vouchers- Inventory Vouchers- Invoicing

Module 5 : Inventory Master Creation (3 Hours)

Stock groups- Multiple stock groups- Stock categories- Unit of Measure- Creation of Stock items- How to check stock- How to change stock description

Module 6 : GST Introduction (3 Hours)

Introduction to GST- Types of transaction in GST- GST slab rates and items under each slab-GST registration – Returns to filed by a person registered under regular scheme

Module 7 : GST Activation and Tax Ledgers Creation (3 Hours)

Compulsory registration- Activation of GST- GST ledger creation- Enabling GST while creating stock item- How can we take GST reports- Practical problems

Module 8 : Tax Purchased and Sale Entry(Goods and Services) (3 Hours)

Purchase goods entry with GST- Purchase service entry with GST- Sales entry with GST- Sales service entry with GST- IGST- UTGST- Practical problems

Module 9 : ITC and GST payment (3 Hours)

Introduction to Input tax credit- Setoff rules- Cross utilization- GST payment procedure

Module 10 : Composition Dealer (3 Hours)

Composite Scheme-Accounting procedure for composition scheme-Sales composition in Tally-Returns to filed in composite scheme

Outcome of the Programme

The course was successful and educational, and it helped students have a better understanding of several areas of practical accounting using Tally Prime such as accounting entries, inventory control, financial reporting, and GST. They will undoubtedly benefit from having the necessary tools for meeting the industrial requirements. In addition, an assessment test was given to evaluate the effectiveness of the course.Google Forms were also used to gather comments and suggestions on the course.

Coordinator

Head of the Department

Principal

Dr. DILEEP A.S
Assistant Professor & Head
PG Department of Commerce & Research Centre
Mahatma Gandhi College, Thiruvananthapuram

VALUE-ADDED COURSE CERTIFICATE

This is to certify that Mr. ABHINAND RAJ

has successfully completed the Online-Value-Added Course, **Professional Accou**

using TallyPrime organized by **PG and Research Department of Comme**

Mahatma Gandhi College, Trivandrum, from 2022 July 4th to 2022 July 15th

in Association with **Skillspark The Finishing School Pvt. Ltd.**

Dr. Ampili.M
Principal
(MG College,
Trivandrum)

Dr.Dileep AS
HOD, Commerce
(MG College,
Trivandrum)

Rakesh.S
Coordinator
(Asst. Prof. of
Commerce, MG
College, TVM)

jithin Madhu
Resource Person
(HOD Skillspark)

Suhas P
CEO
(Skillspark The Fi
School)
www.skillspark.

Tally prime with GST

1. Tally Package is developed by _____.   1 point

○ Tally solutions

○ Tally corporation

○ Tally company

○ Tata company

2. _____ is the shortcut to set date in Tally.   1 point

○ F6

○ F5

○ F3

○ F2

3. _____ is the shortcut to create contra voucher in Tally.   1 point

○ F5

○ F6

○ F4

○ F7

4. What are the two ledgers that are by default provided by tally?   1 point

○ Cash a/c & Bank a/c

○ Bank a/c & P/L a/c

○ Cash a/c & P/L a/c

○ None of the above

5.short key used to change voucher mode in Tally prime is   1 point

○ ctrl + A

○ Ctrl + C

○ Ctrl +H

○ None of these

6.Rs 40000 transferred from Federal bank to SBI recorded in   1 point

○ Payment Voucher

○ Receipt Voucher

○ Journal Voucher

○ Contra voucher

7. Outstanding and adjustment entries are shown in the .... voucher   1 point
of Tally

○ Journal

○ Contra

○ Payment

○ None of these

8.salary a/c comes under which head in Tally   1 point

○ Indirect expense

○ Direct expenses

○ Current Liability

○ Indirect income

9.GST is a .... based tax   1 point

○ Consumption

○ Value

○ Destination

○ None of these

10. Turnover limit for taking registration under regular scheme of GST in Kerala is   1 point

○ 1.5 Cr

○ 40 Lakhs

○ 12 Lakhs

○ None of these

11. ERP stands for   1 point

○ Enterprise resource planning

○ Economic resource planning

○ Efficient resource planning

○ Economic resource processing

12. The home screen of tally is also known as   1 point

○ Button tool bar

○ Accounts info

○ Gate way of tally

○ Menu bar

13. Where do we record interest received, commission received or rent received in Tally   1 point

○ Receipt voucher

○ contra voucher

○ Debit note voucher

○ sales voucher

14. Can a registered person under Composition Scheme claim input tax credit?   1 point

○ Yes

○ No

○ Input tax credit on inward supply of goods only can be claimed

○ Input tax credit on inward supply of services only can be claimed

15. When an e-commerce operator is required to register under GST?   1 point

○ When he is required to collect tax at source u/s 52

○ When his aggregate turnover exceeds the threshold limit

○ When he is required to discharge tax on the taxable supply or services made by the supplier through him u/s 9(5)

○ It is mandatory to register irrespective of the threshold limit.

16. Which return is required to be furnished for outward supplies made by the 1 point
registered person?

○ Form GSTR-1

○ Form GSTR-2

○ Form GSTR-4A

○ None of these

17.GST ledgers are created under 1 point

○ Duties and taxes

○ current liability

○ Indirect expense

○ Loans liability

18.Your company registered in Kerala and supplied goods to a customer in 1 point
Sikkim, its an

○ Intra state transaction

○ Domestic supplies

○ Inter State transaction

○ None of these

19. The invoice issued by a composition taxable person is ....   1 point

○ Cash Bill

○ Tax invoice

○ Bill of Supply

○ Credit note

20. The due date for filing GSTR 3b is   1 point

○ 11 th of every month

○ 15 th of every month

○ 20th of every month

○ None of these

Submit   Clear form

Google Forms

Value Added Course on Professional Accounting using Tally Prime organised by PG & Research Department of Commerce Mahatma Gandhi College in association with Skillspark The Finishing School Pvt. Ltd from July 4th 2022 to July 15th 2022

Student Assessment Test Mark list

Sl No	Name	Marks Obtained out of 40
1	GREESHMA SATHEESH	40
2	PRANAV DD	40
3	MIDHUN.M	40
4	ANUPAMA MADHU	40
5	KAVERI S GIRI	40
6	UMAKRISHNAN M	40
7	AJAY M	40
8	SWATHY PREMKUMAR	40
9	SHAHIN S	36
10	DEVIKA BHADRAN	38
11	SUDHINA S	40
12	ROSHINI R NAIR	40
13	SREELEKSHMI L.S	38
14	SHIBINA. J	40
15	MEENU G.P	38
16	ARYA A S	40
17	SREERESHMA S.R	40
18	DEVIKA SREEKUMAR	40
19	JAYALEKSHMI P	40
20	LAKSHMI MOHAN R	40
21	NEHA SABU	40
22	ANJALI AJITH K	40
23	ANUSREE A S	40
24	AISWARYA I.S	38
25	ANU A S	36
26	HIMA V NAIR	40
27	YADHU NANDHAN V U	34
28	SIVA T NAIR	36
29	DALYKUTTAN OMANAKUTTAN	40
30	RESHMA RS	40

31	VARSHA SA	
32	VARAH R	40
33	NANDHANA MS	38
34	NANTHA GOPAL M J	34
35	SOORYA S S	36
36	LEKSHMI R	40
37	JERIN JOHNSON	40
38	G B ABHIRAM	40
39	SOORAJ.S.S	40
40	SANDEEP.RAVEENDRAN	38
41	ANAMIKA RAI	36
42	MALAVIKA M G	40
43	PARVATHY	40
44	LAVANYA V S	40
45	PAVITHRA NAIR	36
46	SHAINY S.	38
47	GOPIKA B	40
48	APARNA S PRASAD	38
		40

Coordinator   Head of the Department   Principal

Dr. DILEEP A.S
Assistant Professor & Head
PG Department of Commerce & Research Centre
Mahatma Gandhi College, Thiruvananthapuram

Photo Gallery

jithin is presenting

jithin   You

Kaveri   Ary 34 others
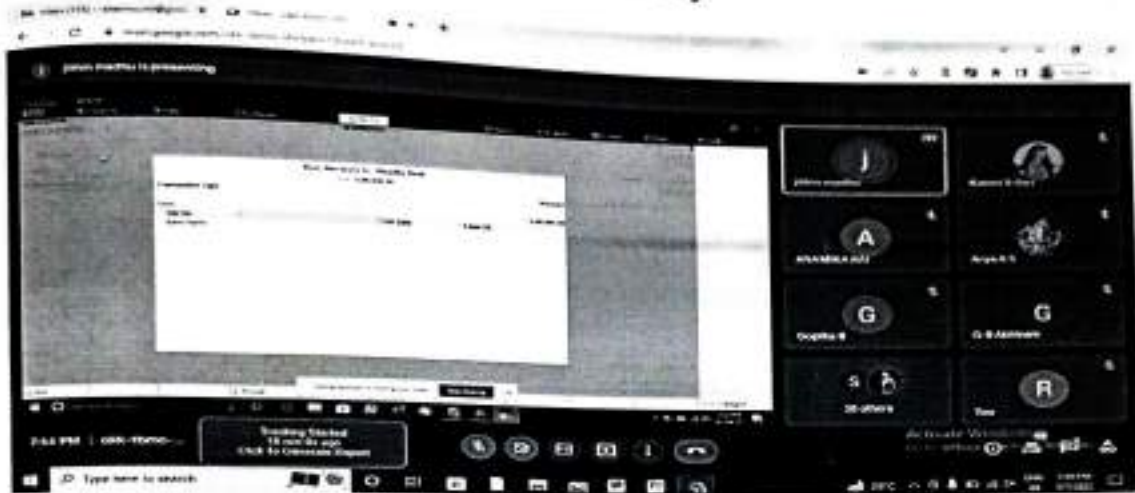
Enrolment Details

Date & Time of Registration	SL	NAME
2022/06/29 12:51:28 pm GMT+5:30	1	Greeshma Satheesh
2022/06/29 12:52:41 pm GMT+5:30	2	PRANAV DD
2022/06/29 12:53:40 pm GMT+5:30	3	MIDHUN.M
2022/06/29 12:53:41 pm GMT+5:30	4	Anupama Madhu
2022/06/29 12:54:23 pm GMT+5:30	5	Kaveri S Giri
2022/06/29 12:59:53 pm GMT+5:30	6	Umakrishnan M
2022/06/29 1:06:43 pm GMT+5:30	7	Ajay M
2022/06/29 1:14:35 pm GMT+5:30	8	Swathy premkumar
2022/06/29 1:15:40 pm GMT+5:30	9	SHAHIN S
2022/06/29 1:18:18 pm GMT+5:30	10	DEVIKA BHADRAN
2022/06/29 1:32:27 pm GMT+5:30	11	Sudhina S
2022/06/29 1:33:30 pm GMT+5:30	12	Roshini R Nair
2022/06/29 1:33:32 pm GMT+5:30	13	SreeLekshmi L.S
2022/06/29 1:37:32 pm GMT+5:30	14	Shibina. J
2022/06/29 1:40:09 pm GMT+5:30	15	Meenu G.P
2022/06/29 1:44:50 pm GMT+5:30	16	Arya A S
2022/06/29 1:46:08 pm GMT+5:30	17	Sreereshma S.R
2022/06/29 1:49:19 pm GMT+5:30	18	Devika Sreekumar
2022/06/29 1:49:49 pm GMT+5:30	19	JAYALEKSHMI P
2022/06/29 2:47:55 pm GMT+5:30	20	Lakshmi Mohan R
2022/06/29 2:53:20 pm GMT+5:30	21	Neha Sabu
2022/06/29 3:54:45 pm GMT+5:30	22	Anjali Ajith K
2022/06/29 4:13:27 pm GMT+5:30	23	Anusree A S
2022/06/29 4:36:56 pm GMT+5:30	24	Aiswarya I.S
2022/06/29 8:38:25 pm GMT+5:30	25	Anu A S
2022/06/30 11:34:44 am GMT+5:30	26	Hima V Nair
2022/07/01 11:37:21 am GMT+5:30	27	Yadhu nandhan v u
2022/07/01 11:37:23 am GMT+5:30	28	Siva t nair
2022/07/01 11:38:05 am GMT+5:30	29	Dalykuttan Omanakuttan
2022/07/01 11:41:33 am GMT+5:30	30	RESHMA RS
2022/07/01 11:45:10 am GMT+5:30	31	Varsha SA
2022/07/01 12:35:20 pm GMT+5:30	32	VARAH R
2022/07/01 12:35:25 pm GMT+5:30	33	Nandhana MS
2022/07/01 12:35:44 pm GMT+5:30	34	Nantha Gopal M J
2022/07/01 12:35:49 pm GMT+5:30	35	Soorya S S
2022/07/01 12:35:51 pm GMT+5:30	36	LEKSHMI R
2022/07/01 12:39:20 pm GMT+5:30	37	Jerin Johnson
2022/07/01 12:39:32 pm GMT+5:30	38	G B ABHIRAM
2022/07/01 12:39:59 pm GMT+5:30	39	SOORAJ.S.S
2022/07/01 12:41:05 pm GMT+5:30	40	Sandeep.Raveendran
2022/07/01 12:43:59 pm GMT+5:30	41	Anamika Rai
2022/07/01 12:45:44 pm GMT+5:30	42	Malavika M G
2022/07/01 12:45:56 pm GMT+5:30	43	Parvathy
2022/07/01 12:46:23 pm GMT+5:30	44	Lavanya V S
2022/07/01 12:46:27 pm GMT+5:30	45	Pavithra Nair
2022/07/01 12:47:25 pm GMT+5:30	46	SHAINY S

BATCH	MOBILE NUMBER (WhatsApp)	E MAIL ID	Do you hav
PG	9400782054	greeshmasatheesh2@gmail.com	Yes
PG	9048366542	pranavdevanand2000@gmail.com	Yes
PG	9895809664	midhun2000april@gmail.com	Yes
PG	9074260213	anupamamadhu5@gmail.com	Yes
PG	9497599361	kaverisg2000@gmail.com	Yes
PG	8921658165	umakrishnan.m@gmail.com	Yes
PG	8301028549	Ajabuz071@ gamil. Com	Yes
PG	7907821072	Swathynair000z@gmail.com	No
PG	8547077009	shahinsshahulhameed@gmail.com	Yes
PG	7907227428	devikabhadransree@gmail.com	
PG	8921729022	sudhinasunil99@gmail.com	Yes
PG	7356057267	roshinirnair123@gmail.com	Yes
PG	8547990305	lsreelekshmi83@gmail.com	Yes
PG	8078308359	Shibinaj1999@gmail.com	Yes
PG	7994893605	meenugirija. 1998@gmail.com	Yes
PG	8590984609	aryaas7902@gmail.com	Yes
PG	8078180586	srsreereshma@gmail.com	Yes
PG	9188783294	devikagauri4@gmail.com	Yes
PG	8921600193	lekshmi9048@gmail.com	Yes
PG	8086631469	www.lakshmilechu1999@gmail.com	Yes
PG	9778243961	nehasabu075@gmail.com	Yes
PG	9895911662	anjaliajith916@gmail.com	Yes
PG	9895376089	ajusmitha1999@gmail. com	Yes
PG	9074157112	aiswaryaisaiswarya20@gmail.com	Yes
PG	9020115715	anuvivek984@gmail.com	Yes
PG	9544884897	Himahvn@gmail.com	Yes
PG	8943747004	yeduhash@gmail.com	Yes
UG	7994493760	sivatnair2003@gmail.com	Yes
UG	8547700299	okdkokdk25@gmail.com	Yes
UG	9072073273	rkkunju88@gmail.com	Yes
PG	6282597359	varshasa8848@gmail.com	Yes
UG	6282349279	varah765@gmail.com	Yes
UG	7034912122	nandhana700@gmail.com	Yes
UG	9778209415	nanthagopalmj2002@gmail.com	Yes
UG	7356720643	sooryakannan004@gmail.com	Yes
UG	8590635756	lekshmirl866@gmail.com	Yes
UG	7356325236	johnsonjerin323@gmail.com	Yes
UG	8590882867	abhiramgb02@gmail.com	Yes
UG	9778011468	15soorajachu@gmail.com	Yes
UG	9633818486	sandeepsandeepbolt@gmail.com	Yes
UG	6354641367	anamikarai262003@gmail.com	Yes
UG	9746078088	ltsmgmalavika@gmail.com	Yes
PG	8590593283	parvathy9922@gmail.com	Yes
PG	9496552143	lavanyaathu56708@gmail.com	Yes
PG	7736638398	devuanil19@gmail.com	Yes
PG	9745768663	mailtoshainy2000@gmail.com	No
PG			

2022/07/01 12:49:00 pm GMT+5:30   47 GOPIKA B
2022/07/01 1:44:50 pm GMT+5:30   48 Aparna S Prasad

Mahatma Gandhi College ,Thiruvananthapuram

Department of Mathematics

Starting an Add-on Course on

Introduction to LINUX operating System

for the academic Year 2022-23

Interested students can join the Program

Contact —Dr Mahesh T V (9400102180)

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Add-on Course on Introduction to Linux Operating System (Course Code : MGMM02, Program Code : UG-01)
2022-23

Aim of the Course : To make awareness of Linux operating system and UNIX commands to UG students of First year BSc Mathematics Students of the college.

Course Outcomes:

CO1:To understand the basics of the operating systems UNIX and LINUX
CO2: To understand the file management using these operating systems
CO3.To understand file permission and ownerships

Duration of the Course : 30 Hours

Total Intake : 35 Students

Mode of Selection : Interested students of I BSc Mathematics Class

Syllabus

Module 1
Introduction to UNIX and LINUX

History and development of Unix and Linux. Comparison of Unix and Linux distributions. Accessing the command line interface (Terminal)
Basic UNIX commands – login, directory structure and commands, different file related commands, different file editors, related commands etc.

Module 2
File Management

Understanding the file system hierarchy, Listing files and directories (ls). Changing directories. Creating, coping, moving and deleting files, Working with text files, text editing with text editors, Searching for texts in files.

Module 3
File Permissions and Ownerships

Understanding UNIX file permissions. Modifying file permissions (chmod, chown). Special permissions. Creating and extracting compressed files. Managing archives with tar.

Mahatma Gandhi College, Thiruvanathapuram

Department of Mathematics

Add on Course on Linux Operating system

(2022-2023)

Sl no	Name	Class	Email	Phone number
1	Anantha Kumar	B.Sc. Maths IInd Semester	ananthakum69@gmail.com	9496559432
2	Asna Haja s	B.Sc. Maths IInd Semester	asnahaja.hsa3@gmail.com	8848659651
3	Athira M	B.Sc. Maths IInd Semester	athira1732004@gmail.com	8921308396
4	Anju S Gopan	B.Sc. Maths IInd Semester	anujasgopan426@gmanil.com	9778018274
5	Devanandan A R	B.Sc. Maths IInd Semester	Kichudevanandan@gmail.com	9072756020
6	Devika P R	B.Sc. Maths IInd Semester	devikaprasad43@gmail.com	8921616434
7	Ganga V S	B.Sc. Maths IInd Semester	gangavs2004@gmail.com	9074314763
8	Gopika Gopan	B.Sc. Maths IInd Semester	sopikagopika@gmail.com	8848999312
9	Jyothika P S	B.Sc. Maths IInd Semester	jyothikaps883@gmail.com	9188107092
10	Jyothikrishna R	B.Sc. Maths IInd Semester	jk9902090@gmail.com	8590968816

11	Sneha S S	B.Sc. Maths IInd Semester	snehaponnuzzz123@gmail.com	9778253113
12	Sopika Gopan	B.Sc. Maths IInd Semester	sopikasopika89@gmail.com	8891819032
13	Afrah Fathima N M	B.Sc. Maths IInd Semester	afrahfathima7829@gmail.com	7559957829
14	Akash S Mathew	B.Sc. Maths IInd Semester	akashsmathew00017@gmail.com	9778319066
15	Akshy A Ashok	B.Sc. Maths IInd Semester	akshayashok984@gmail.com	9847372276
16	Aparna Ashok	B.Sc. Maths IInd Semester	aparnaashok308@gmail.com	8075460163
17	Vishnu M	B.Sc. Maths IInd Semester	vishnu20041976@gmail.com	7736478547
18	Hariharan S V	B.Sc. Maths IInd Semester	hariharan9raman9@gmail.com	9446461795
19	Gopika S Nair	B.Sc. Maths IInd Semester	gopikasanthoshgopzzz@gmail.com	9809891927
20	Akhileshan M	B.Sc. Maths IInd Semester	akhileshmohan242@gmail.com	6235149900
21	Vishal V	B.Sc. Maths IInd Semester	vishalvinod183@gmail.com	8606789787
22	Sudheesh S	B.Sc. Maths IInd Semester	Sudheeshirumbil@gmail.com	9074764419
23	Sujith S	B.Sc. Maths IInd Semester	sujiths46734@gmail.com	9074305196
24	Lethu S	B.Sc. Maths IInd Semester	lethulethu963@gmail.com	8137802971
25	Rahul R S	B.Sc. Maths IInd Semester	rahulneerazhy@gmail.com	7736884891
26	Krishna G R	B.Sc. Maths IInd Semester	sindhurajan59@gmail.com	9846077897
27	Gurumithra S S	B.Sc. Maths IInd Semester	gurumithrass@gmail.com	8075848474

28	Lekshman Pradeep	B.Sc. Maths IInd Semester	sunijapradeep123@gmail.com	9745469940
29	Karthik S S	B.Sc. Maths IInd Semester	Karthiksnair04@gmail.com	8590563581
30	Praveen S	B.Sc. Maths IInd Semester	praveens95praveen@gmail.com	9567256281
31	Adithyan H	B.Sc. Maths IInd Semester	adithyankarakulam@gmail.com	7736556325
32	Gokul Krishna A	B.Sc. Maths IInd Semester	anu865773@gmail.com	9746157892
33	Vaisnav S J	B.Sc. Maths IInd Semester	vaishnavsureshqw@gmail.com	9061655683
34	Devika R V	B.Sc. Maths IInd Semester	devikareenavinod@gmail.com	8714315425
35	Srinidhi A J	B.Sc. Maths IInd Semester	Sreenidhiaj2004@gmail.com	7907696285

Signature of the HOD

Signature of the Co-ordinator

Dr. Mahesh. T-V

Mahatma Gandhi College, Thiruvanathapuram

Department of Mathematics

Add on Course on Linux Operating system

(2022-2023)

ASSESSMENT

Sl no	Name	Mark(out of 30)
1	Anantha Kumar	28
2	Asna Haja s	25
3	Athira M	23
4	Anju S Gopan	22
5	Devanandan A R	25
6	Devika P R	28
7	Ganga V S	24
8	Gopika Gopan	25
9	Jyothika P S	18
10	Jyothikrishna R	20
11	Sneha S S	22
12	Sopika Gopan	26
13	Afrah Fathima N M	24

14	Akash S Mathew	23	
15	Akshy A Ashok	25	
16	Aparna Ashok	27	
17	Vishnu M	25	
18	Hariharan S V	20	
19	Gopika S Nair	25	
20	Akhileshan M	28	
21	Vishal V	25	
22	Sudheesh S	18	
23	Sujith S	19	
24	Lethu S	24	
25	Rahul R S	25	
26	Krishna G R	27	
27	Gurumithra S S	24	
28	Lekshman Pradeep	20	
29	Karthik S S	18	
30	Praveen S	16	
31	Adithyan H	15	
32	Gokul Krishna A	17	
33	Vaisnav S J	12	
34	Devika R V	18	
35	Srinidhi A J	20	

Dr. Mahesh J V

Dept. of Mathematics, M.G. College.
Add-on Course on Linux operating system 2022-23

Sl. No.	Name	Designation																												Working Days	Date
1)	Anantha Kumar																															
2)	Asna Haja S																															
3)	Athira M																															
4)	Anju S Gopan																															
5)	Devanandan A R																															
6)	Devika P R																															
7)	Ganga V S																															
8)	Gopika Gopan																															
9)	Jonthika P S																															
10)	Jyothikrisha R																															
11)	Sneha S S																															
12)	Sopika Gopan																															
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14)	Akash S Mathew																															
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16)	Aparna Ashok																															
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21)	Vishal V																															
22)	Sudheesh S																															
23)	Sujith S																															
24)	Lathu S																															
25)	Rahul R S																															
26)	Krishna G R																															
27)	Gurumithra S S																															
28)	Lakshman Pradeep																															
29)	Karthik S S																															
30)	Praveen S																															
31)	Adithyan H																															
32)	Gokul Krishna A																															
33)	Vaishnav S J																															
34)	Devika R V																															
35)	Sinidhi A J																															

MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

Kesavadasapuram, Pattom. P. O., Thiruvananthapuram – 695 004

Department of Mathematics

Certificate

Certified that Sri/Kum ....

has successfully completed the add-on course on 'Introduction to Linux Operating system' (Programme code: UG 01, Course Code : MGMM02) conducted by the Department of Mathematics, Mahatma Gandhi College, Thiruvananthapuram during the academic year 2022-23.

Dr. Ramkumar R
Head of the Department

Dr. Mahesh T. V.
Course Coordinator

Dr. V. M. Anandakumar
Principal

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Report on Add-on Course on Introduction to LINUX Operating System

2022-23

The Department of Mathematics conducted an add-on course on Introduction to LINUX Operating System for the first year students of the BSc Mathematics class of this college. The Principal of the College inaugurated the programme on 2-11-2022. 30 hours of classes on LINUX operating system and UNIX commands were given to the participants. The classes were taken by faculty of the Department of Mathematics, MG College, Thiruvananthapuram. The evaluation and feed back session was conducted on 6-02-2023. The certificates for the participants were issued on 13-02-2023 by the Principal.

Head of the Department

Ramkumar R

Course Coordinator

Dr. Mahesh T.V

Mahatma Gandhi College ,Thiruvananthapuram

Department of Mathematics

Starting an Add-on Course on

Doing Mathematics with Sage-Math

for the academic Year 2022-23

Interested students can join the Program

Contact — Dr Ullas Chandran S V (8891711284)

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Add-on course: Doing Mathematics with SageMath

Course code: MGMM03
Course outcomes: - students will be able

CO-1: To apply essential programming tools which are required for advanced mathematics.

CO-2: To understand about programming: conditionals and iterative loops, creating their own commands

Starting SageMath using a browser, how to use the sage cell server https://sagecell.sagemath.org/, how to use SageMathCloud, creating and saving a sage worksheet, saving the worksheet to an .sws file, moving it and re-opening it in another computer system; Using sagemath as a calculator, basic functions (square root, logarithm, numeric value, exponential, trigonometric, conversion between degrees and radians, etc.);

Plotting : simple plots of known functions, controlling range of plots, controlling axes, labels, gridlines, drawing multiple plots on a single picture, adding plots, polar plotting, plotting implicit functions, contour plots, level sets, parametric 2D plotting, vector fields plotting, gradients;

Matrix Algebra : Adding, multiplying two matrices, row reduced echelon forms to solve linear system of equations, finding inverses of square matrices, determinants, exponentiation of matrices, computing the kernel of a matrix;

Defining own functions and using it, composing functions, multi variate functions;

Polynomials : Defining polynomials, operations on them like multiplication and division, expanding a product, factorizing a polynomial, finding gcd;

Solving single variable equations, declaring multiple variables, solving multi variable equations, solving system of non linear equations, finding the numerical value of roots of equations; complex number arithmetic; finding complex roots of equations; Finding derivatives of functions, higher order derivatives, integrating functions, definite and indefinite integrals, numerical integration, partial fractions and integration,

References

1. The SageMathCloud, https://cloud.sagemath.com/

2. Gregory V. Bard, Sage for Undergraduates, American Mathematical Society, available online at http://www.gregorybard.com/Sage.html

Ramkumar R

1

Mahatma gandhi College, Thiruvananthapuram
Department of Mathematics
Add on Couse on Sge-Math Programming

2022-23

List of Participants

S.No	Name	Class	E-mail	Phone Number
1	Sreelakshmi B J	II DCChemistry	sreelakshmijayan851@gmail.com	9562953020
2	Akhila B	II DCChemistry	akhila2707@gmail.com	7510752254
3	Sivarenjana R S	II DCChemistry	sivarenjanasivas@gmail.com	8330886772
4	Anoop.S	II DCChemistry	anoops3002@gmail.com	8590979935
5	Gopikrishnan	II DCChemistry	gopangopikrishnan@gmail.com	8089845047
6	Anjali Krishna. K. M	II DCChemistry	krishnaanjali2020@gmail.com	6282218703
7	Mithun G M	II DCChemistry	mithun8018505@gmail.com	9400391594
8	Rohith	II DCChemistry	rohithkannannes@gmail.com	8592948771
9	BS ADIDEV	II DCChemistry	adiadidev23@gmail.com	6235870493
10	Ananthakrishnan A	II DCChemistry	ananthanak473@gmail.com	7736150663
11	Megha manoj R	II DCChemistry	meghamanoj772@gmail.com	9778533021
12	Meenu P S	II DCChemistry	meenups68@gmail.com	09778728599
13	Aswathy Krishnan	II DCChemistry	aswathykrishnan2805@gmail.com	6238767037
14	Vyshnavi V S	II DCChemistry	vyshnavivs436@gmail.com	8138885704
15	Kavya.j	II DCChemistry	kavyamurali1002@gmail.com	8590977012
16	Sreelal	II DCChemistry	sreelal0072003s@gmail.com	8129987569
17	Abhinav S	II DCChemistry	abhinavmufc03@gmail.com	08078492569

Signature of HOD

Ram kumar R

Signature of Course co-ordinator

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics
Add on Course on SageMath programming
(2022-23)

Marks of the participants in the Examination

S. No.	Name	Marks (out of 25)
1	Sreelakshmi B J	22
2	Akhila B	18
3	Sivarenjana R S	23
4	Anoop.S	Absent
5	Gopikrishnan	24
6	Anjali Krishna. K. M	17
7	Mithun G M	24
8	Rohith	Absent
9	B. S. Adidev	22
10	Ananthakrishnan. A	21
11	Megha manoj R	16
12	Meenu P S	18
13	Aswathy Krishnan	23
14	Vyshnavi V S	21
15	Kavya.j	18
16	Sreelal	14
17	Abhinav S	18

Signature of the HOD

Ramkumar

Signature of the Co-coordinator

Dr. ULLAS CHANDRAN S.V.
Assistant Professor
Department of Mathematics
Mahatma Gandhi College
Thiruvananthapuram-695004

ATTENDANCE REGISTER FOR THE MONTH OF .... 20....

No	Name	Designation																										30	31
1	Sreelakshmi B J																												
2	Akhila B																												
3	Sivaranjana R S																												
4	Anoop S																												
5	Gopikrishnan																												
6	Argha Krishna K M																												
7	MITHUN G M																												
8	Rohith																												
9	D S Adidev																												
10	Anandhakrishnan A																												
11	Megha Manoj R																												
12	Meenu D S																												
13	Aswathy Krishnan																												
14	Vyshnavi V S																												
15	Kavya J																												
16	Sree Lal																												
17	Abhinav S																												

Thiruvananthapuram, Kerala, India
GWJV+V78, M G College Rd, Sree Nagar, Kesavadasapuram,
Thiruvananthapuram, Kerala 695004, India
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Long 76.943117°
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MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

Kesavadasapuram, Pattom. P. O., Thiruvananthapuram – 695 004

Department of Mathematics

Certificate

Certified that Sri/Kum ....

has successfully completed the add-on course on 'SageMath Programming' (Course Code : MGMM03) conducted by the Department of Mathematics, Mahatma Gandhi College, Thiruvananthapuram during the academic year 2022-23.

Dr. Ramkumar R
Head of the Department

Dr. Ullas Chandran S. V.
Course Coordinator

Dr. V. M. Anandakumar
Principal

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Report on Add-on : Doing Mathematics with SageMath

2022-23

The Mathematics Department extended an invitation for applications to the SageMath programming course, resulting in the selection of 17 second-year BSc Chemistry students. The program was inaugurated on June 27, 2022, by the College's Principal. Over the course of the program, participants received a total of 30 hours of instruction on SageMath, facilitated by Dr. Ullas Chandran S. V., an Assistant Professor in the Mathematics Department. An evaluation and feedback session took place on October 11, 2022, followed by the issuance of certificates to participants by the Principal on the same date.

Head of the Department

Course Coordinator

Dr. ULLAS CHANDRAN S.V.
Assistant Professor
Department of Mathematics
Mahatma Gandhi College
Thiruvananthapuram-695004

Mahatma Gandhi College ,Thiruvananthapuram

Department of Mathematics

Starting an Add-on Course on

LaTex Programming

for the academic Year 2022-23

Interested students can join the Program

Contact —Dr K Radhakrishnan (9447018612)

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Add-on Course on LATEX Programming
(Course Code : MGMM01, Program Code : AD03)

Aim of the Course : To make awareness of LATEX documentation program toPG students of various Science department of the college.

CO-1: To understand the operating systems UNIX and LINUX
CO-2: To understand about typesetting using LaTex
CO-3: To create mathematics articles.

Duration of the Course : 30 Hours

Total Intake : 15 Students

Mode of Selection : On merit basis (from the applicants)

Syllabus

Module 1
Introduction to UNIX Commands

Introduction to Linux Operating System, Basic UNIX commands – login, directory structure and commands, different file related commands, different file editors, related commands etc.

Module 2
Introduction to LATEX

Computer typesetting using LATEX,running LATEX, different fonts, alignments, setting tabs, underline, setting margins, different documentclasses, special symbols, footnotes, drawing tables, multi columns, multi rows, drawing lines, itemizing, enumerating

Module 3
Mathematical Symbols

Creating mathematical articles, different mathematical symbols and notations, fractions, matrices, arrays, equations, Greek symbols, defining commands, theorems.

Ramkumar R
HoD Mathematics

Mahatma Gandhi College, Thiruvananthapuram
Department of Mathematics

Add-on Course on LATEX Programming
(2022-23)

List of Participants

Sl No.	Name	Class	Phone No	E-mail Address
1	Fathima B S	MSc Physics I Year	9496656388	fathimsumaya@gmail.com
2	Aparna RG	MSc Physics I Year	7994260527	aparnarg2001@gmail.com
3	Gopika G Nair	MSc Physics I Year	7356386121	gopikagnairgopikagnair192@gmail.com
4	Raveena RS	MSc Physics I Year	9207238971	raveenaravu666@gmail.com
5	Surabhi Suresh	MSc Physics I Year	9526209537	surabhineyyar@gmail.com
6	Sangeetha Krishna	MSc Physics I Year	9633283216	krishnasangeetha8@gmail.com
7	JENIFA JB	MSc Physics I Year	8136869354	jenifajb1106@gmail.com
8	SUJINA S	MSc Physics I Year	9567801518	sujinasulaiman0610@gmail.com
9	Abhiramkrishnan R	MSc Physics I Year	9633041197	Abhiramkrishnan1191@gmail.com
10	Lekshmi S	MSc Physics I Year	7012506633	lekshmimohanlechu6@gmail.com
11	Anupama J	MSc Physics I Year	7306195091	anupamajk2001@gmail.com
12	Aiswarya Gopan.S	MSc Physics I Year	9074217746	saiswaryagopan@gmail.com
13	Harikrishnan GS	MSc Physics I Year	9746361916	khari2267@gmail.com

14. Gopika Gopan   MSc Physics I Year

Signature of HOD

Ramkumar R

Signature of Course Coordinator

Mahatma Gandhi College ,Thiruvananthapuram
Department of Mathematics

Add-on Course on LATEX Programming 2022-23

Assessment

Sl.No.	Name	Marks (Out of 20)
1	Fathima B S	20
2	Aparna R G	19
3	Gopika G Nair	20
4	Raveena R S	20
5	Surabhi Suresh	18
6	Sangeetha Krishna	20
7	Jenifa J B	19
8	Sujina s	20
9	Abhiram Krishnan R	20
10	Lekshmi S	20
11	Anupama J	18
12	Aiswarya Gopan S	20
13	Harikrishnan G S	20
14	Gopika Gopan	20

Signature of HOD

Ram kumar

Signature of Course coordinator

Data matter, Add on course Type
Add on Course on Latex Programming

January, February, March - 2023

S.No	Name	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Working Days	Days present	Days absent	Leaves taken	Remarks
1	Abhiram Krishnan R																																						
2	Aiswarya Gopan S																																						
3	Anupama J																																						
4	Aparna R G																																						
5	Fatima B S																																						
6	Gopika G Nair																																						
7	Gopika Gopan																																						
8	Harikrishnan G S																																						
9	Jenifa J B																																						
10	Lekshmi S																																						
11	Ravana R S																																						
12	Sangeetha Krishna																																						
13	Sujina S																																						
14	Surabhi Suresh																																						

Thiruvananthapuram, Kerala, India
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MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM

Kesavadasapuram, Pattom. P. O., Thiruvananthapuram – 695 004

Department of Mathematics

Certificate

Certified that Sri/Kum ....

has successfully completed the add-on course on 'Latex Programming' (Program Code : AD 03, Course Code : MGMM01) conducted by the Department of Mathematics, Mahatma Gandhi College, Thiruvananthapuram during the academic year 2022-23.

Dr. Ramkumar R
Head of the Department

Dr. K. Radhakrishnan
Course Coordinator

Dr. Nandyth Gopalakrishnan
Principal

Mahatma Gandhi College, Thiruvananthapuram
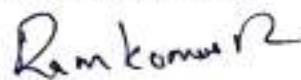## Department of Mathematics

Report on Add-on Course on LATEX Programming

2022-23

The Department of Mathematics invited application for the Latex program and 14 students of I year MSc Physics class were selected for the course. The Head of the Department inaugurated the programme on 13-01-2023. 30 hours of classes on LATEX programme were given to the participants. The evaluation and feed back session was conducted on 27-03-2023. The certificates for the participants were issued on 30-03-2023 by the Principal.

Head of the Department

Course Coordinator