



**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic Branch - Faculty of Commerce and Management Studies - OBE incorporated Scheme & Syllabus of M.Com Programme of affiliated Colleges and SDE/ Private Registration under CBCSS PG 2019 w.e.f 2019 admissions- Corrections in the Syllabus - Implemented - Orders issued.

**G & A - IV - E**

U.O.No. 20153/2021/Admn

Dated, Calicut University.P.O, 08.12.2021

*Read:-*1.U.O 5725/2021/Admn dated 29.05.2021.  
2.U.O Note No.No. 133887/PG-IX-SO/2021/PB Dated: 07.09.2021.  
3.Email dated 27.10.2021 from the Chairman, BoS in Commerce(PG)/Dean, Faculty of Commerce and Management Studies.  
4.Order of Vice Chancellor in the file of even No. dated 28.10.2021.

**ORDER**

The Regulations and Outcome Based Education incorporated scheme and syllabus of M.Com programme under CBCSS PG 2019, was implemented vide U.O read (1) above.

As per the paper read (2) above, PG Branch, in Pareeksha Bhavan pointed out some anomalies in connection with improvement chance for Project and Viva-voce.

The matter was brought to the notice of the Chairman, Board of Studies in Commerce (PG) and the Chairman/Dean, Faculty of Commerce and Management Studies offered remarks, vide paper read (3), as follows and forwarded the Scheme and syllabus M.Com programme, after making the corrections.

- The student should get a minimum P grade for project report when the external and internal examinations combined. No separate minimum for external or internal is required.
- If a student fails to secure a P grade for the project report when the external and internal examinations combined, he/she can submit the project report only in the next year.
- A student should secure a P grade for the comprehensive viva voce when the internal and external examinations combined. No separate minimum for internal and external is required. If the student fails to secure a P grade he/she can appear for the comprehensive viva voce only in the next year.

Sanction has been accorded by the Vice Chancellor to implement the corrections in the Scheme & Syllabus of M.Com Programme of affiliated Colleges and SDE/ Private Registration w.e.f. 2019 admissions, subject to ratification by the Academic Council..

Orders are issued accordingly. U.O read (1) above, hereby stands cancelled.

(Corrected Scheme & Syllabus appended)

Arsad M

Assistant Registrar

To

1.The Principals of Affiliated Colleges.

2. The.Director, SDE.

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**UNIVERSITY OF CALICUT**  
**REGULATIONS FOR CHOICE BASED CREDIT SEMESTER SYSTEM (CBCSS) FOR**  
**MASTER OF COMMERCE PROGRAMME FOR AFFILIATED COLLEGES AND FOR SDE /**  
**PRIVATE REGISTRATION” IMPLEMENTED WITH EFFECT FROM 2019-20 ACADEMIC**  
**YEAR ©**

**1.0 Title of the programme**

This DEGREE shall be called **MASTER OF COMMERCE (M.Com.)**.

**2.0. Eligibility for admission**

Any candidate who has passed B. Com or BBA (earlier BBS) degree of University of Calicut or B. Com, BBA or BBS degree of any other University or institutes in any state recognised by UGC or AICTE and approved by University of Calicut with minimum of 45% marks or equivalent grade is eligible for admission. OBC and SC/ST students are eligible for mark/grade relaxation as per the University rules. In the case of B. Com (Honours) and B. Com (Professional) students, the minimum eligibility for admission is 50% for all categories of students.

**2.1 Admission Procedure**

Admission procedure stipulated by University from time to time shall be strictly followed.

**3.0 Duration of the programme**

The duration of the M. Com programme of study is two years divided into four semesters.

**4.0 Medium of Instruction**

The medium of instruction and examination shall be English.

**5. Scheme of Instruction and Examination**

**5.1 Semester One**

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM1C01	Business Environment & Policy	0.8	3.2	4	5	Core
MCM1C02	Corporate Governance & Business Ethics	0.8	3.2	4	5	Core
MCM1C03	Quantitative Techniques for Business Decisions	0.8	3.2	4	5	Core
MCM1C04	Management Theory and Organizational Behaviour	0.8	3.2	4	5	Core
MCM1C05	Advanced Management Accounting	0.8	3.2	4	5	Core
	<b>Total in Semester One</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	



**Semester 5.1.1: Ability Enhancement Course (AEC)\***

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Type
MCM1A01	Internship cum Organisation Study	0.8	3.2	4	Audit
MCM1A02	Case Study Preparation	0.8	3.2	4	Audit
MCM1A03	Communication/Mental Ability/Numerical Skill	0.8	3.2	4	Audit
MCM1A04	NET Coaching	0.8	3.2	4	Audit
MCM1A05	Designing with Block Chain Workshop/ Future Casting Workshop	0.8	3.2	4	Audit
MCM1A06	Model Project Preparation	0.8	3.2	4	Audit
MCM1A07	Soft Skill Development	0.8	3.2	4	Audit
MCM1A08	Presentation/Publication of research papers/Book Review	0.8	3.2	4	Audit

\*The institution can choose any one of the above courses. This course will not be counted for calculation of SGPA/CGPA

	<b>Grand Total in Semester One</b>	<b>4.8</b>	<b>19.2</b>	<b>24</b>	
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**5.2.Semester Two**

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM2C06	Advanced Corporate Accounting	3.2	0.8	4	5	Core
MCM2C07	Advanced Strategic Management	3.2	0.8	4	5	Core
MCM2C08	Strategic Cost Accounting	3.2	0.8	4	5	Core
MCM2C09	International Business	3.2	0.8	4	5	Core
MCM2C10	Management Science	3.2	0.8	4	5	Core
	<b>Total in Semester Two</b>	<b>16.0</b>	<b>4.0</b>	<b>20</b>	<b>25</b>	



**Semester 5.2.1: Professional Competency Course (PCC)\***

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Type
MCM2A01	Business Analytics using R	3.2	0.8	4	Audit
MCM2A02	Big Data Analysis	3.2	0.8	4	Audit
MCM2A03	Live Project with Statistical Packages	3.2	0.8	4	Audit
MCM2A04	Spread Sheet Application	3.2	0.8	4	Audit
MCM2A05	Accounting Package Skill	3.2	0.8	4	Audit
MCM2A06	Computer Programming Skill	3.2	0.8	4	Audit
MCM2A07	Innovation/Entrepreneurship/Idea Pitching	3.2	0.8	4	Audit

\*The institution can choose any one of the above courses. This course will not be counted for calculation of SGPA/CGPA

	<b>Grand Total in Semester Two</b>	<b>4.8</b>	<b>19.2</b>	<b>24</b>	
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**5.3. Semester Three**

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM3C11	Financial Management	0.8	3.2	4	5	Core
MCM3C12	Income Tax Law, Practice and Tax Planning I	0.8	3.2	4	5	Core
MCM3C13	Research Methodology	0.8	3.2	4	5	Core
MCM3E01	Elective I	0.8	3.2	4	5	Elective
MCM3E02	Elective II	0.8	3.2	4	5	Elective
	<b>Total in Semester Three</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	



#### 5.4.Semester Four

Course Code	Course Title	Internal Credit	External Credit	Total Credit	Teaching Hours	Type
MCM4C14	Financial Derivatives & Risk Management	0.8	3.2	4	5	Core
MCM4C15	Income Tax Law, Practice and Tax Planning II	0.8	3.2	4	5	Core
MCM4E03	Elective III	0.8	3.2	4	5	Elective
MCM4E04	Elective IV	0.8	3.2	4	5	Elective
MCM4PV01	Project Work & Comprehensive Viva Voce	0.8	3.2	4	5	Dissertation & Viva
	<b>Total in Semester Four</b>	<b>4.0</b>	<b>16.0</b>	<b>20</b>	<b>25</b>	
	<b>Grand Total (5.1+5.1.1+5.2+5.2.1+5.3+5.4)</b>	<b>17.6</b>	<b>70.4</b>	<b>88</b>		

#### 5.5. Specialisation

##### Electives

##### 5.5.1. Finance

MCM3EF01	Investment Management	3.2	0.8	4
MCM3EF02	Financial Markets & Institutions	3.2	0.8	4
MCM4EF03	International Finance	3.2	0.8	4
MCM4EF04	Advanced Strategic Financial Management	3.2	0.8	4

##### 5.5.2.Foreign Trade

MCM3EFT01	Foreign Trade Management	3.2	0.8	4
MCM3EFT02	Foreign Trade Policy and Procedures	3.2	0.8	4
MCM4EFT03	International Finance	3.2	0.8	4
MCM4EFT04	International Marketing and Logistic Management	3.2	0.8	4



### 5.5.3.Human Resource Management

MCM3EH01	Industrial Relations Management	3.2	0.8	4
MCM3EH02	Management Training and Development	3.2	0.8	4
MCM4EH03	Performance Management	3.2	0.8	4
MCM4EH04	Compensation Management	3.2	0.8	4

### 5.5.4.Marketing

MCM3EM01	Advertising and Sales Management	3.2	0.8	4
MCM3EM02	Consumer Behaviour	3.2	0.8	4
MCM4EM03	Supply Chain and Logistics Management	3.2	0.8	4
MCM4EM04	Service Marketing	3.2	0.8	4

All the above courses shall be handled by Commerce Faculty.

**5.6.** Each student shall undergo any one course in respective semesters mentioned in clause 5.1 with course code MCM1A01 to MCM1A08 during the first semester and any one course mentioned in clause 5.2 with course code MCM2A01 to MCM2A07 during the second semester as Audit Courses (Ability Enhancement Course & Professional Competency Course) with 4 credits each. The credits will not be counted for evaluating the overall SGPA & CGPA. The colleges shall conduct examination for these courses and have to intimate /upload the results of the same to the University on the stipulated date during the III Semester. Students have to obtain only minimum pass requirements in the Audit Courses. In the case students doing M. Com under SDE, the SDE shall take necessary arrangements for the conduct of examinations and evaluation of Audit Courses.

**5.7** There shall be an Industrial Visit/Study Tour/Field visit in the third semester and report shall be submitted to the Head of the department within two weeks of the visit (Applicable only to regular students of affiliated colleges)

### 6.0 Attendance

A student shall attend at least 75 percent of the total number of classes held during each semester. The students having less than prescribed percentage of attendance shall not be allowed to appear for the University examination. For SDE / Private Registration students, minimum 75% of attendance is required for the courses having mandatory Contact classes. Condonation of shortage of attendance for a maximum of 9 days (10% of the working days in a semester) in the case of single condonation and 18 days (20% of the working days in a semester) in the case of double condonation in a semester subject to a maximum of two times (for single condonation only) during the whole period of programme is granted. In the case of double condonation, only one condonation shall be allowed during the entire programme.

### 7.0 Duration of the semester

Each semester shall have a duration of 18 weeks. Teaching and learning shall have a minimum duration of 16 weeks and for the conduct of semester end examination shall be completed within a period of 2 weeks. Instruction and University examinations in each course in a semester shall be completed within 90 days in a semester.





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**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic - Faculty of Commerce and Management Studies - Syllabus of B.Com Programme under CBCSS PG 2019 w.e.f 2019 admissions- Corrections in the Syllabus - Implemented - Orders issued.

**G & A - IV - E**

U.O.No. 16934/2019/Admn

Dated, Calicut University.P.O, 03.12.2019

*Read:-*1.U.O No.8445/2019/Admn dated 29.06.2019.

2.Email dated 04.09.2019 & 08.11.2019 from the Chairman, Board of Studies in Commerce(UG).

3.Email dated 08.11.2019 from the Chairman, Board of Studies in Commerce(UG).

4.Email dated 25.09.2019 & 20.11.2019 from the Dean, Faculty of Commerce and Management Studies.

**ORDER**

The Scheme & Syllabus of B.Com Programme of affiliated Colleges and SDE/ Private Registration w.e.f. 2019 admissions in tune with the CBCSS PG Regulations 2019, was implemented vide paper read (1) above.

As per the paper read as (2), the Chairman, Board of Studies in Commerce(UG) has requested to correct the external and internal marks allotted for the open course in the revised Scheme & Syllabus of B.Com programme implemented vide U.O read as (1). The Chairman has forwarded Scheme & Syllabus of B.Com programme vide paper read as (3), making the following corrections also.

a) The Credit of Common courses (English) paper- A01 and A04 in first and Second Semester are changed to 3 credits and 4 credits respectively.

b) Total marks of the core project is 50 marks ( External 40 and 10 internal ) in the above revised Scheme & Syllabus of B.Com programme which is changed as 75 marks (External 60 and 15 internal).

As paper read as (4), the Dean, Faculty of Commerce and Management Studies has approved the corrections made by the Chairman, Board of Studies in Commerce(UG) revised Scheme & Syllabus of B.Com programme, vide paper read as (2) & (3).

Sanction has been accorded by the Vice Chancellor to implement the corrections in the Scheme & Syllabus of B.Com Programme of affiliated Colleges and SDE/ Private Registration w.e.f. 2019 admissions.

Orders are issued accordingly.

(Corrected Scheme & Syllabus appended)

Ajitha P.P

Joint Registrar

To

- 1.The Principals of affiliated Colleges.
2. Director, SDE.

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## UNIVERSITY OF CALICUT

### REGULATIONS GOVERNING BACHELOR OF COMMERCE DEGREE PROGRAMME UNDER CBCSSUG 2019 EFFECTIVE FROM ACADEMIC YEAR 2019-20 (B.COM ADMISSIONS 2019-20)

#### 1.0 Title of the Programme

This DEGREE shall be called BACHELOR OF COMMERCE (B.Com).

#### 2.0 Eligibility for admission

Any candidate who has passed the Plus Two of the Higher Secondary Board of Kerala or Pre Degree of Calicut University or that of any other University or Board of Examinations in any state recognized as equivalent to the Plus Two of the Higher Secondary Board in Kerala, with not less than 45% marks in aggregate is eligible for admission, However, SC/ST, OBC and other eligible communities shall be given relaxation as per University rules.

#### 3.0 Duration of the programme

The duration of the B.Com programme of study is three academic years with six semesters.

#### 4.0 Medium of Instruction

The medium of instruction and examination shall be English.

#### 5.1 Courses of study

Total number of courses (other than audit courses ) for the whole B.Com Programme is 31. It is divided in to courses namely:-

1. Common courses
2. Core courses
3. Complementary courses and
4. Open courses

The course of study leading to the award of B.Com shall comprise the following:-

#### 5.2 Semester I

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM1A01(English)	4	3	15	60	75
Common	BCM1A02 (English)	5	3	15	60	75
Common	BCM1A07 (Language)	5	4	20	80	100
Core	BCM1B01 Business Management	6	4	20	80	100
Compl.	BCM1C01 Managerial Economics	5	4	20	80	100
	Total	25	18	90	360	450



## Semester II

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM2A03 (English)	4	4	20	80	100
Common	BCM2A04 (English)	5	4	20	80	100
Common	BCM2A08 (Language)	5	4	20	80	100
Core	BCM2B02 Financial Accounting	6	4	20	80	100
Compl.	BCM2C02 Marketing Management	5	4	20	80	100
	Total	25	20	100	400	500

## Semester III

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM3A11 Basic Numerical Methods	5	4	20	80	100
Common	BCM3A12 Professional Business Skills	5	4	20	80	100
Core	BCM3B03-Business regulation	4	4	20	80	100

Core	BCM3B04 Corporate Accounting	6	4	20	80	100
Compl.	BCM3C03 Human Resources Management	5	4	20	80	100
	Total	25	20	100	400	500

## Semester IV

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Common	BCM4A13 Entrepreneurship Development	5	4	20	80	100
Common	BCM4A14 Banking and Insurance	5	4	20	80	100
Core	BCM4B05 Cost Accounting	6	4	20	80	100
Core	BCM4B06 Corporate Regulations	4	4	20	80	100
Compl.	BCM4C04 Quantitative Techniques for Business	5	4	20	80	100
	Total	25	20	100	400	500



## Semester V

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BCM5B07 Accounting for Management	5	4	20	80	100
Core	BCM5B08 Business Research Methods	4	4	20	80	100
Core	BCM5B09 Income Tax Law and Accounts	5	4	20	80	100
Core	BCM5B10 Course in Specialisation	4	4	20	80	100
Core	BCM5B11 Course in Specialisation	4	4	20	80	100
Open	BCM5D01 Open Course (For students from other Departments)	3	3	15	60	75
	Total	25	23	115	460	575

## Semester VI

Course	Title	Contact Hours	Credits	Internal	External	Total Marks
Core	BCM6B12 Income Tax and GST	6	4	20	80	100
Core	BCM6B13 Auditing and Corporate Governance	5	4	20	80	100
Core	BCM6B14 Course in Specialisation	5	4	20	80	100
Core	BCM6B15 Course in Specialisation	5	5	20	80	100
Core Project	BCM6B16 (PR) Three Weeks Project and Viva-Voce	4	2	15	60	75
	Total	25	19	95	380	475

### Core Courses in the area of Specialization:

#### A. Finance

1. Financial Markets and Services
2. Financial Management
3. Fundamentals of Investments
4. Financial Derivatives

#### B. Banking and Insurance

1. Banking Services Management
2. Insurance Management
3. Foreign Exchange Management
4. Risk Management and Insurance

#### C. Co - operation

1. Co-operative Theory and Practice
2. Legal Environment For Co-operatives
3. International Co-operative Movement
4. Co-operative Management and Administration

#### D. Computer Applications

1. Computer Applications in Business
2. Business Information Systems
3. Office Automation Tools
4. Computerized Accounting with Tally





UNIVERSITY OF CALICUT

**Abstract**

General and Academic- Faculty of Humanities-Correction in the Scheme & Syllabus of MA Economics Programme under CBCSS PG Regulations 2019 by reinstating the course "Research Methodology and Computer Applications" in the list 2 of electives only for affiliated colleges and also to list the same course as a core course only for SDE/Private Registration as a substitute for dissertation with effect from 2019 Admission onwards -implemented- Orders Issued

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**G & A - IV - B**

U.O.No. 10593/2020/Admn

Dated, Calicut University.P.O, 12.11.2020

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- Read:-*1. UO No. 4487/2019/Admn Dated 26.03.2019  
2. UO No. 8660/2019/Admn Dated : 02.07.2019  
3. UO. No. 15855/2019/Admn Dated: 08.11.2019  
4. UO No.6474/2020/Admn dated 09.07.2020  
5. UO No .10495/2020/Admn dated 10.11.2020  
6. Email dated 23-10-2020 from the Chairman, Board of Studies in Economics PG  
7. Remarks of Dean, Faculty of Humanities dated 04.11.2020.

**ORDER**

1. The Regulations for Choice Based Credit and Semester System for Post Graduate (PG) Curriculum 2019 (CBCSS PG Regulations 2019), for all PG Programmes under Affiliated Colleges and SDE/Private Registration with effect from 2019 Admission has been implemented in the University of Calicut vide paper read (1) above. Accordingly, orders were issued implementing the Syllabus of MA Economics Programme in accordance with new CBCSS PG Regulation 2019, vide paper read (2) above.
2. Later, as per paper read (3) above, the Syllabus of MA Economics Programme (CBCSS) was implemented correcting minor mistakes found in the code, teaching hours, scheme of evaluation and format of model question paper etc.
3. The corrected Scheme & Syllabus of MA Economics (CBCSS) Programme in accordance with amended CBCSS PG Regulations 2019, for affiliated Colleges and SDE/Private Registration is implemented in the University with effect from 2019 Admission onwards, removing the elective course titled 'Research Methodology and Computer Applications' from the list 2 of the elective courses in the semester 4 and offering it as a course in lieu of dissertation for SDE/Private registration candidates, vide paper read (4) above, and made absolute, vide paper read (5) above.
4. The Chairman Board of Studies in Economics PG, vide paper read (6) above has informed that the removal of the Course, "Research Methodology and Computer Applications" from the list 2 of elective courses in semester 4 was meant to be applicable only to SDE candidates. But by mistake, it was removed from the list 2 of elective courses in semester 4 for both SDE and affiliated colleges. Hence the Chairman has requested to reinstate the course "Research Methodology and Computer Applications" in the list 2 of elective courses in semester IV CBCSS, only for affiliated colleges with the code ECO4 E10 and also to list the same course as a core course only for SDE/Private Registration as a substitute for dissertation with the code ECO4 C14.



5. The Dean, Faculty of Humanities has approved the suggestions of the Chairman, Board of Studies in Economics (PG), vide paper read (7) above. The Vice Chancellor has accorded sanction, on 05.11.2020, to implement the corrections suggested by the Chairman Board of Studies, in the Scheme & Syllabus of MA Economics Programme in accordance with the new CBCSS PG Regulations 2019, as approved by the Dean , Faculty of Humanities, in the University with effect from 2019 Admission onwards.
6. The corrected Scheme & Syllabus of MA Economics (CBCSS) Programme in accordance with amended CBCSS PG Regulations 2019, for affiliated Colleges and SDE/Private Registration is therefore implemented in the University with effect from 2019 Admission onwards, reinstating the elective course titled, 'Research Methodology and Computer Applications" in the list 2 of the elective courses in semester IV **only for affiliated Colleges with the code ECO4 E10** and also to list the same course as a core course **only for SDE/Private Registration** as a substitute for dissertation with the **code ECO4 C14** .
7. Orders are issued accordingly. (Corrected Scheme & Syllabus is appended )
8. UO read (4) above is modified to this extent.

Arsad M

Assistant Registrar

To

The Principals of all affiliated Colleges

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# **UNIVERSITY OF CALICUT**

**POSTGRADUATE**

**PROGRAMME IN**

**M A ECONOMICS**

**CHOICE BASED CREDIT SEMESTER SYSTEM**

**(CBCSS)**



**SCHEME & SYLLABUS**

**(2019-20 Academic Year onwards in Affiliated Colleges)**



**MA ECONOMICS (CBCSS) 2019-20 ADMISSION-SCHEME OF THE  
PROGRAMME**

Semester	Name of the Course	Credit	Hours/ Week	Total Weightage	
				External	Internal
<b>I</b>	ECO1 C01 Microeconomics: Theory and Applications I	5	7	30	5
	ECO1 C02 Macroeconomics: Theories and Policies I	5	6	30	5
	ECO1 C03 Indian Economy: Problems and Policies	5	6	30	5
	ECO1 C04 Quantitative Methods for Economic Analysis I	4	6	30	5
	ECO1 A01 Ability Enhancement Course	4*			
<b>II</b>	ECO2 C05 Microeconomics: Theory and Applications II	5	6	30	5
	ECO2 C06 Macroeconomics: Theories and Policies II	5	6	30	5
	ECO2 C07 Public Finance: Theory and Practice	5	7	30	5
	ECO2 C08 Quantitative Methods for Economic Analysis II	5	6	30	5
	ECO2 A02- Professional Competency Course	4*			
<b>III</b>	ECO3 C09 International Trade	5	6	30	5
	ECO3 C10 Growth and Development	5	6	30	5
	ECO3 C11 Basic Econometrics	5	7	30	5
	Elective I	4	6	30	5
<b>IV</b>	ECO4 C12 International Finance	3	6	30	5
	ECO4 C13 Financial Markets	3	6	30	5
	Elective II	4	6	30	5
	Elective III	4	6	30	5
	ECO4 P14 Project OR ECO4 C14 Research Methodology and Computer Applications ( Only for SDE/Private Registration)	4	1	4	1
	ECO4 V15 Comprehensive Viva Voce	4			
	<b>Total Credits</b>	<b>80</b>			

**@ 1 elective course in Semester 3 and 2 elective courses (1 each from the two lists) in semester 4 are to be selected from the appended lists of elective courses.**

**\*The credits will not be counted for evaluating the overall SGPA & CGPA**





**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic - Faculty of Humanities- Scheme and Syllabus of BA Economics Programme -Incorporating Outcome Based Education- Implemented w.e.f 2020 Admission onwards- Subject to ratification by Academic Council - Orders Issued

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**G & A - IV - B**

U.O.No. 5697/2021/Admn

Dated, Calicut University.P.O, 28.05.2021

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*Read:-*1. U.O.No. 16821/2019/Admn dated 30.11.2019

2. Minutes of the meeting of the BoS in Economics UG held on 20.05.2021(Item No.1)
3. Remarks of the Dean Faculty of Humanities, dated 26.05.2021.
4. Orders of the Vice Chancellor dated 26-05-2021

**ORDER**

1. The scheme and syllabus of BA Economics Programme under CBCSS UG Regulations 2019, w.e.f 2019 admission onwards has been implemented in the University, vide paper read (1) above.
2. The meeting of the Board of Studies in Economics UG, held on 20.05.2021, vide paper read (2) above, has approved the Outcome Based Education (OBE) syllabus of BA Economics Programme, under CBCSS UG Regulations 2019 without changing the content, w.e.f 2020 admission onwards.
3. The Dean Faculty of Humanities, vide paper read (3) above, has approved the above resolution of the Board of Studies in Economics UG held on 20.05.2021.
4. Considering the urgency in implementation of the syllabus, sanction has been accorded by the Vice Chancellor on 26-05-2021 to implement Outcome Based Education in the existing syllabus of BA Economics Programme (CBCSS UG 2019) without changing the content, with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The scheme and syllabus of BA Economics Programme under CBCSS UG Regulations 2019 incorporating Outcome Based Education (OBE) in the existing syllabus without changing the content is therefore implemented with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended)

Ajitha P.P

Joint Registrar

To

The Principals of all Affiliated Colleges

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# **OUTCOME BASED CURRICULUM FOR UNDER GRADUATE (UG) PROGRAMME**



**UNIVERSITY OF CALICUT**

**For**

**BA Economics (2020 Admissions Onwards)**

*Under*

**Calicut University Regulations Choice Based Credit  
and Semester System For Under Graduate (UG)  
Curriculum-2019(CBCSSUG 2019)**



**BA Economics Curriculum: CBCSS 2019**

<b>Semester V</b>				
<b>Course</b>	<b>Code</b>	<b>Name of the Course</b>	<b>Hours</b>	<b>Credit</b>
Core 7	EC05 B07	Fiscal Economics	6	4
Core8	ECO5 B08	Indian Economic Development	6	4
Core 9	ECO5 B09	Economics of Capital Market	5	4
Core 10	ECO5 B10	Mathematical Economics	5	4
Open Course		To be selected from any other Departments	3	3
<b>Total</b>			<b>25</b>	<b>19</b>

<b>Semester VI</b>				
<b>Course</b>	<b>Code</b>	<b>Name of the Course</b>	<b>Hours</b>	<b>Credit</b>
Core 11	ECO6 B11	Financial Economics	5	4
Core 12	ECO6 B12	International Economics	5	4
Core 13	ECO6 B13	Development of Economic Thought	5	4
Core 14	ECO6 B14	Economics of Growth and Development	5	4
Elective(Choose one among the three)	ECO6 B16	Basic Econometrics	3	3
	ECO6 B17	Behavioural Economics		
	ECO6 B18	Urban Economics		
<b>Project</b>	<b>ECO6 B15</b>	<b>Project work/Research Methodology</b>	<b>2</b>	<b>2</b>
<b>Total</b>			<b>25</b>	<b>21</b>

*Note: A compulsory study tour is recommended as part of the paper entitled "Indian Economic Development ", in the Fifth Semester. **The** tour report should be submitted to the Head of the Department within two weeks of the tour.*

### **17.Distribution of courses in each semester**

As per the UG regulation, the courses are distributed over various semesters. For the information of the stakeholders, the details are provided here with. The semester-wise distribution of courses for the completion of BA Economics Programme is given in the following Table.





**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic - Faculty of Language and Literature - Syllabus of MA Malayalam Language and Literature Programme for affiliated Colleges and SDE/ Private Registration under CBCSS PG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued.

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**G & A - IV - B**

U.O.No. 9193/2019/Admn

Dated, Calicut University.P.O, 12.07.2019

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*Read:-1 .U.O.No. 4487/2019/Admn Dated, 26.03.2019.*

*2..Minutes of the meeting of the Board of Studies in Malayalam PG 29/06/2019.*

*3. Remarks of the Dean,Faculty of Language and Literature dtd 10/07/2019.*

**ORDER**

The Regulations for Choice Based Credit Semester System for Post Graduate Programmes of affiliated Colleges and SDE/ Private Registration (CBCSS PG Regulations 2019) w.e.f. 2019 admissions has been implemented vide paper read as first above.

The meeting of the Board of Studies in Malayalam PG held on 29/06/2019 has approved the Syllabus of MA Malayalam Language and Literature in tune with new CBCSS PG Regulation implemented with effect from 2019 Admission onwards, vide paper read second above.

The Dean,Faculty of Language and Literature has approved the minutes of the meeting of the Board of Studies in Malayalam PG held on 29/06/2019, vide paper read third above .

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of MA Malayalam Language and Literature programme for affiliated Colleges and SDE/ Private Registration in accordance with the new CBCSS PG Regulations 2019, in the University with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of MA Malayalam Language and Literature Programme for affiliated Colleges and SDE/ Private Registration in accordance with CBCSS PG Regulations 2019, is therefore implemented in the University with effect from 2019 Admission onwards .

Orders are issued accordingly. (Syllabus appended)

Biju George K

Assistant Registrar

To

1.The Principals of all Affiliated Colleges 2. Director, SDE

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**കാലിക്കറ്റ് സർവ്വകലാശാല  
യൂണിവേഴ്സിറ്റി ഓഫ് കാലിക്കറ്റ് പി.ഒ.  
മലപ്പുറം ജില്ല- 673635**

**എം.എ മലയാളം  
ഭാഷയും സാഹിത്യവും**

**കോളജ്, വിദ്യാരവിദ്യാഭ്യാസതലം  
പരിഷ്കരിച്ചപാഠ്യപദ്ധതി  
2019- 2020 അദ്ധ്യയനവർഷം മുതൽ**



**Code : MAL1C03**

**കേരളം: ദേശവും സംസ്കാരവും**

**(Kerala: Region and Culture)**

കേരളത്തിന് അതിപ്രാചീനമായ ഒരു ചരിത്രം ഉണ്ട്. ആദികാല ഗോത്രജനതയോടും അവരുടെ പ്രത്യേകമായ സംസ്കാരത്തോടും ആദ്യവർഗ്ഗം ഇടകലരുകയും ഒരു പുതുസംസ്കാരം രൂപപ്പെടുകയും ചെയ്തു. അത് സവിശേഷമായ ഒരു സംസ്കാരം ഇവിടെ വളർന്നുവരാൻ കാരണമായി. കേരളീയരുടെ വീക്ഷണത്തിലും പ്രതികരണത്തിലും ഈ ബോധം വരുത്തിയ പരിഷ്കരണങ്ങൾ മനസ്സിലാക്കേണ്ടതുണ്ട്. സഹനങ്ങളും പോരാട്ടങ്ങളും മലയാളിയുടെ സാംസ്കാരിക ജീവിതത്തിൽ വരുത്തിയ പരിണാമങ്ങളും അവയിലൂടെ അടയാളപ്പെടുത്തപ്പെട്ട സാമൂഹിക ക്രമങ്ങളും ഇതോടൊപ്പം പഠനവിധേയമാകുന്നു. നവോത്ഥാനാനന്തര കേരളീയ ജീവിതവും അതിന്റെ സമകാലികാവസ്ഥയും കൂടെ ചർച്ച ചെയ്യേണ്ടതുണ്ട്.

**യൂണിറ്റ് - 1**

കേരളം എന്ന പ്രദേശത്തിന്റെ ചരിത്രം: ഭൗമചരിത്രപരമായ പഠനങ്ങൾ നൽകുന്ന തിരിച്ചറിവുകൾ. കേരളത്തിന്റെ ഭൂപ്രകൃതിയും ആവാസവ്യവസ്ഥയും:സംഘകാലകൃതികൾ നൽകുന്ന സൂചനകൾ, പ്രകൃതി, കാലാവസ്ഥ, വിഭവങ്ങൾ എന്നിവയനുസരിച്ച് വികസിച്ചു വന്നസമൂഹങ്ങൾ- ഓരോ സമൂഹവും സൃഷ്ടിച്ചെടുത്ത സാംസ്കാരിക വിഭവങ്ങൾ, പരസ്പര ബന്ധങ്ങൾ-തിണകളും ജീവിതമാതൃകകളും - ഭരണകൂടത്തിന്റെ ഉൽപ്പത്തിയെക്കുറിച്ച് പഴന്തമിഴ് പാട്ടുകൾ നൽകുന്ന സൂചനകൾ : നാടുകളുടെ രൂപീകരണം, സ്വതന്ത്രഗോത്രനിപ്പണ്ണിക്കുകൾ, മുവേന്തന്മാർ, കവികൾ, കവയത്രികൾ- പഴന്തമിഴ് പാട്ടുകളിലെ സ്ത്രീ - പുരുഷ ബന്ധങ്ങൾ- പഴന്തമിഴ് പാട്ടുകളിലെ സാമൂഹ്യബന്ധങ്ങൾ.

**യൂണിറ്റ് - 2**

തദ്ദേശജ്ഞാനങ്ങളുടെ കാലം, കുറൾ, പഞ്ചമഹാകാവ്യങ്ങൾ, ബ്രാഹ്മണീകരണം, ജാതികളുടെ ഉൽഭവം: കേരളത്തിലെ സമൂഹരൂപീകരണങ്ങൾ, ജാതിവ്യവസ്ഥയുടെ ഉദ്ഭവം സംബന്ധിച്ച വിവിധ നിഗമനങ്ങൾ- ഇളംകുളം. കുഞ്ഞൻപിള്ള, പി.കെ. ബാലകൃഷ്ണൻ, കെ.കെ. കൊച്ചു, ഡോ. കെ.എൻ ഗണേഷ് എന്നിവരുടെ നിരീക്ഷണങ്ങൾ- ജാതിയും കേരളസംസ്കാരവും-ജാതിയും കേരളത്തിന്റെജ്ഞാനവ്യവസ്ഥയും: കളരി, വൈദ്യം, കൈത്തൊഴിലുകൾ, ഗണിതം, വാസ്തുവിദ്യാവിജ്ഞാനങ്ങൾ. അവയ്ക്ക് ജാതിവ്യവസ്ഥയുമായുള്ള ബന്ധം,ബൗദ്ധ



-ജൈനസാന്നിധ്യങ്ങൾ-വൈജ്ഞാനികസംഭാവനകൾ, -ജാതിവ്യവസ്ഥയും നാടോടി പാരമ്പര്യങ്ങളും, പ്രതിരോധവും നാടോടി സാഹിത്യവും, നിശ്ശബ്ദസമൂഹങ്ങൾ.

### യൂണിറ്റ്-3

കടലും കേരള സംസ്കാരവും - കേരളത്തിലെ തുറമുഖങ്ങളുടെ ചരിത്രം - കേരളത്തിന്റെ വാണിജ്യബന്ധങ്ങൾ- കേരളസംസ്കാരത്തിൽ വിദേശബന്ധങ്ങൾ ചെലുത്തിയ സ്വാധീനം - കടൽ കടന്നെത്തിയ മതങ്ങൾ: ജൂതമതം, ക്രിസ്തുമതം, ഇസ്ലാംമതം - പ്രസ്തുത മതങ്ങൾ കേരളത്തിൽ സൃഷ്ടിച്ച സാംസ്കാരിക പാരമ്പര്യങ്ങൾ മതപരിവർത്തനവും സാമൂഹ്യ നീതിയും, ഭാഷാ-സംസ്കാരവിനിമയങ്ങളിൽ ഓഷ്യാനിക് പഠനങ്ങളുടെ മേഖലയിൽ ഉണ്ടായ പുതിയ ഉൾക്കാഴ്ചകൾ മുൻനിർത്തിയുള്ള സമീപനം.

ക്രിസ്ത്യൻ മിഷണറിമാരും കേരളീയാധുനികതയും, ബുദ്ധമതവും ജൈനമതവും-കേരള സംസ്കാരത്തിൽനിന്ന് ലഭിക്കുന്ന തെളിവുകൾ- കേരളത്തിലെ ക്ഷേത്രപാരമ്പര്യവും കാവുപാരമ്പര്യവും - നാടുവാഴിത്തവും ബ്രാഹ്മണഗ്രാമങ്ങളും - കുലശേഖരന്മാരും കേരളവും - സാഹിത്യം, കല, ശാസ്ത്രം എന്നീ മേഖലകളിൽ രണ്ടാം ചേരരാജാക്കന്മാരുടെ കാലത്തുണ്ടായ വികാസം - മലയാളഭാഷയുടെ വളർച്ച- നാട്ടുരാജ്യങ്ങളുടെ ഉദയം - നാട്ടുരാജ്യങ്ങളും ഭൂമിയുടെ വിതരണവും - ദേവസ്വവും ബ്രഹ്മസ്വവും - ജന്മിവ്യവസ്ഥയുടെ സവിശേഷതകൾ.

### യൂണിറ്റ്-4

കൊളോണിയലിസവും കേരള സംസ്കാരവും - കൊളോണിയൽ വിദ്യാഭ്യാസം അറിവിനോടുള്ള സമീപനത്തിൽ വന്ന മാറ്റം - അച്ചടിയും സാക്ഷര പൊതുമണ്ഡലവും - പോർച്ചുഗീസ്, ഡച്ച്, ഫ്രഞ്ച് ബ്രിട്ടീഷ് അധീശത്വങ്ങൾ കേരളത്തിന്റെ സംസ്കാരത്തിൽ ചെലുത്തിയ സ്വാധീനം - കൊളോണിയലിസവും ദൈനം ദിനവ്യവഹാരങ്ങളും -കൊളോണിയലിസത്തോടുള്ള സമീപനത്തിലെ ഉഭയസ്വഭാവം. കേരളത്തിലെ അടിമത്തം-അടിമവ്യാപാരങ്ങൾ. കേരളത്തിലെ ജന്മിത്ത വിരുദ്ധസമരങ്ങൾ- 1921 ലെ മലബാർ സമരം -കർഷകകലാപങ്ങൾ- പഴശ്ശിസമരങ്ങൾ, ദേശീയപ്രസ്ഥാനം,കമ്മ്യൂണിസ്റ്റ്പ്രസ്ഥാനം, ഐക്യകേരളം- കേരളത്തിലെ ആദ്യത്തെ ഗവണ്മെന്റും ഭൂപരിഷ്കരണവും - ആദ്യത്തെ വിദ്യാഭ്യാസ ബില്ലി - വിമോചനസമരം- പിൻക്കാല രാഷ്ട്രീയം- അടിയന്തിരാവസ്ഥ.

### യൂണിറ്റ് - 5

കേരളീയ നവോത്ഥാനം - ശ്രീനാരായണഗുരു, അയ്യങ്കാളി, വാഗ്ഭടാനന്ദൻ, വക്കം മൗലവി,വെളിയങ്കോട് ഉമർ ഖാസി, പൊയ്കയിൽ അപ്പച്ചൻ, ചട്ടമ്പിസ്വാമികൾ, പണ്ഡിറ്റ് കെ.പി.കറുപ്പൻ, സഹോദരനയ്യപ്പൻ, സനാവുല്ല മക്കിതങ്ങൾ തുടങ്ങിയവരുടെ സംഭാവനകൾ.കേരളത്തിലെ സ്ത്രീമുന്നേറ്റങ്ങൾ, നവോത്ഥാനാനന്തര കേരളീയ സമൂഹവും ജാതിസംഘടനകളും- കൊടുങ്ങ



പ്ലൂർ മുസ്ലിം ഐക്യസംഘം-യോഗക്ഷേമസഭ, എസ്.എൻ.ഡി.പി, എൻ.എസ്.എസ്, പി.ആർ.ഡി. എസ്. കേരളം എന്ന ഭാഷാ സംസ്ഥാനം:കേരളമോഡൽ- പരിസ്ഥിതിയും വികസനവും: കേരളവും പ്രവാസവും.ജനകീയാസൂത്രണം- കേരളത്തിന്റെ അനുഭവപാഠങ്ങൾ. കേരളത്തിലെപൊതു വിദ്യാഭ്യാസം, നവ സാമൂഹികപ്രസ്ഥാനങ്ങളും കേരളീയസമൂഹവും - നവലിബറൽ സമീപനങ്ങൾ-ഉപഭോഗസംസ്കാരം-സമകാലകേരളീയ ജീവിതം.

**പഠനത്തിന്റെ ഭാഗമായി തെക്കേ ഇന്ത്യയിലെ ചരിത്ര-സാംസ്കാരികപ്രാധാന്യമുള്ള സ്ഥലങ്ങൾ സന്ദർശിച്ച് പതിനഞ്ചുപുറത്തിൽ കവിയാതെ ഒരു റിപ്പോർട്ട് തയ്യാറാക്കി സമർപ്പിക്കേണ്ടതാണ്.**

### സഹായകഗ്രന്ഥങ്ങൾ

കേരളചരിത്രം ഒന്നാം ഭാഗം , രാഘവ വാരിയർ, രാജൻ ഗുരുക്കൾ, എടപ്പാൾ: വള്ളത്തോൾ വിദ്യാപീഠം 2011.

കേരള ചരിത്രം രണ്ടാം ഭാഗം. എടപ്പാൾ: വള്ളത്തോൾ വിദ്യാപീഠം.

മലയാളിയുടെ ദേശകാലങ്ങൾ. കെ.എൻ.ഗണേഷ്. കോഴിക്കോട്: റാസ്ബെറി ബുക്സ്, 2016.

കേരള സമൂഹപഠനങ്ങൾ. കെ..എൻ. ഗണേഷ്, പത്തനംതിട്ട: പ്രസക്തി ബുക്സ്, 2011.

കേരളത്തിന്റെ ഇന്നലെകൾ, കെ.എൻ. ഗണേഷ്, സാംസ്കാരിക പ്രസിദ്ധീകരണവകുപ്പ്, 1997.

കേരള നവോത്ഥാനം പുതുവായനകൾ, അജയ്ശേഖർ, എസ്.ആർ. ചന്ദ്രമോഹൻ, (എഡി.) റെയ്വൻ പബ്ലിക്കേഷൻസ്.

പുതുകേരള ചിന്തകൾ. എം.പി.പരമേശ്വരൻ, ഈ.ഡി. ഡേവിസ്, ജോജി ഇട്ടമ്മേൽ(എഡി.). തൃശ്ശൂർ: കേരള ശാസ്ത്രസാഹിത്യ പരിഷത്ത്.

തമിഴ് സംഘകാലകവിതകൾ. വി.വ. മലയത്ത് അപ്പുണ്ണി. കോഴിക്കോട്: മാതൃഭൂമി പബ്ലിക്കേഷൻസ്.

അഞ്ഞൂറുവർഷത്തെ കേരളം ചില അറിവടയാളങ്ങൾ. വർഗീസ് വി.ജെ, വിജയമോഹൻപിള്ള എൻ. ചങ്ങനാശ്ശേരി: താരതമ്യ പഠനസംഘം.

തമിഴകം ഈടുകളും ചുവടുകളും. കെ.ജെ.അജയകുമാർ, കോഴിക്കോട്: ഇൻസൈറ്റ് പബ്ലിക്, 2012.

സംഘസാഹിത്യ ചരിത്രം. മേലങ്ങത്ത് നാരായണൻകുട്ടി. തിരുവനന്തപുരം: കേരള ഭാഷാ ഇൻസ്റ്റിറ്റ്യൂട്ട്. 2003.

വയനാട് രേഖകൾ. ഒ.കെ. ജോണി, കോഴിക്കോട്: മാതൃഭൂമി ബുക്സ്, 2010.

ബുദ്ധമതവും ജാതിവ്യവസ്ഥയും. കെ.സുഗതൻ, കോഴിക്കോട്: പ്രോഗ്രസ് പബ്ലിക്കേഷൻ, 2014.

കേരളചരിത്രത്തിലെ ഇരുളടഞ്ഞ ഏടുകൾ, ഇളംകുളം കുഞ്ഞൻപിള്ള, എസ്.പി.സി.എസ്, കോട്ടയം 1974.





UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Science - Syllabus of MSc Mathematics programme for all Affiliated Colleges/SDE under CBCSS PG Regulations 2019 with effect from 2019 Admission onwards -Implemented- Orders Issued.

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G & A - IV - J

U.O.No. 8953/2019/Admn

Dated, Calicut University.P.O, 06.07.2019

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*Read:-*1. U.O.No. 4487/2019/Admn dated 26.03.2019

2. Minutes of the meeting of the Board of Studies in Mathematics PG held on 10.05.2019

3. Item No. I.2 in the minutes of the meeting of Faculty of Science held on 27.06.2019

ORDER

The Regulations for Choice Based Credit and Semester System for Post Graduate (PG) Curriculum- 2019 (CBCSS PG Regulations 2019), for all PG Programmes under Affiliated Colleges and SDE/Private Registration with effect from 2019 Admission has been implemented in the University of Calicut vide paper read first above.

The meeting of the Board of Studies in Mathematics PG held on 10.05.2019 has approved the Syllabus of MSc Programme in tune with new CBCSS PG Regulation implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Science at its meeting held on 27.06.2019 has approved the minutes of the meeting of the Board of Studies in Mathematics PG held on 10.05.2019 vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of MSc Mathematics Programme in accordance with the new CBCSS PG Regulations 2019, in the University of Calicut with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of MSc Mathematics Programme in accordance with CBCSS PG Regulations 2019, is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. ( Syllabus appended )

Biju George K

Assistant Registrar

To

1.The Principals of all Affiliated Colleges 2.Director, SDE

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# UNIVERSITY OF CALICUT



## SYLLABUS FOR MSc MATHEMATICS (CBCSS) PG PROGRAMME

EFFECTIVE FROM 2019 ADMISSION ONWARDS  
Total Credits :80



**SEMESTER 1**

Course Code	Title of the Course	No. of Credits	Work Load Hrs./week	Core/Audit Course
MTH1C01	Algebra- I	4	5	core
MTH1C02	Linear Algebra	4	5	core
MTH1C03	Real Analysis I	4	5	core
MTH1C04	Discrete Mathematics	4	5	core
MTH1C05	Number Theory	4	5	core
MTH1A01	Ability Enhancement Course <sup>a</sup>	4	0	Audit Course

**SEMESTER 2**

Course Code	Title of the Course	No. of Credits	Work Load Hrs./week	Core/Elective
MTH2C06	Algebra- II	4	5	core
MTH2C07	Real Analysis II	4	5	core
MTH2C08	Topology	4	5	core
MTH2C09	ODE & calculus of variations	4	5	core
MTH2C10	Operations Research	4	5	core
	Professional Competency Course <sup>a</sup>	4	0	Audit Course

**SEMESTER 3**

Course Code	Title of the Course	No. of Credits	Work Load Hrs./week	Core/Elective
MTH 3C11	Multivariable Calculus & Geometry	4	5	core
MTH3C12	Complex Analysis	4	5	core
MTH3C13	Functional Analysis	4	5	core
MTH3C14	PDE & Integral Equations	4	5	core
	Elective I*	3	5	Elec.

**SEMESTER 4**

Course Code	Title of the Course	No. of Credits	Work Load Hrs./week	Core/Elective
MTH4C15	Advanced Functional Analysis	4	5	Core
	Elective II**	3	5	Elec.
	Elective III**	3	5	Elec.
	Elective IV**	3	5	Elec.
MTH4P01	Project	4	5	Core
MTH4 V01	Viva Voce	4		Core

<sup>a</sup> Evaluation of these courses will be as per the latest PG regulations.

\* This Elective is to be selected from list of elective courses in third semester





**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic - Faculty of Science - Syllabus of BSc Mathematics Programme under CBCSS UG Regulations 2019 with effect from 2019 Admission onwards - Implemented- Orders Issued

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**G & A - IV - J**

U.O.No. 8857/2019/Admn

Dated, Calicut University.P.O, 05.07.2019

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*Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019

2. Minutes of the meeting of the Board of Studies in Mathematics UG held on 06.04.2019

3. Item No. I.6 in the minutes of the meeting of Faculty of Science held on 27.06.2019

**ORDER**

The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum-2019 (CBCSS UG Regulations 2019), for all UG Programmes under Affiliated Colleges and SDE/Private Registration with effect from 2019 Admission has been implemented in the University of Calicut vide paper read first above.

The meeting of the Board of Studies in Mathematics UG held on 06.04.2019 has approved the Syllabus of BSc Mathematics Programme in tune with new CBCSS UG Regulations implemented with effect from 2019 Admission onwards, vide paper read second above.

The Faculty of Science at its meeting held on 27.06.2019 has approved the minutes of the meeting of the Board of Studies in Mathematics UG held on 06.04.2019, vide paper read third above.

Under these circumstances, considering the urgency, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of BSc Mathematics Programme in accordance with the new CBCSS UG Regulations 2019, in the University of Calicut with effect from 2019 Admission onwards, subject to ratification by the Academic Council.

The Scheme and Syllabus of BSc Mathematics Programme in accordance with CBCSS UG Regulations 2019 is therefore implemented in the University with effect from 2019 Admission onwards.

Orders are issued accordingly. ( Syllabus appended )

Biju George K

Assistant Registrar

To

1. The Principals of all Affiliated Colleges offering Mathematics. 2. Director SDE  
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**B.Sc. DEGREE PROGRAMME**

**CHOICE BASED CREDIT**

**SEMESTER SYSTEM  
(CBCSSUG Regulations 2019)**

**MATHEMATICS  
(CORE, OPEN & COMPLEMENTARY  
COURSES)**

**SYLLABUS**

**(Effective from 2019 admission onwards)**



**UNIVERSITY OF CALICUT**



# Syllabus structure

## Core Courses

The following courses are compulsory for BSc Mathematics programme.

Sl. No	Code	Name of the course	Semester	No of contact hours/Week	Credits	Max. Marks			Exam dur. (Hrs)
						Internal	External	Total	
1	MTS1B01	Basic Logic and Number Theory	1	4	4	20	80	100	2.5
2	MTS2B02	Calculus of Single variable-1	2	4	4	20	80	100	2.5
3	MTS3B03	Calculus of Single variable-2	3	5	4	20	80	100	2.5
4	MTS4B04	Linear Algebra	4	5	4	20	80	100	2.5
5	MTS5B05	Theory of Equations and Abstract Algebra	5	5	4	20	80	100	2.5
6	MTS5B06	Basic Analysis	5	5	4	20	80	100	2.5
7	MTS5B07	Numerical Analysis	5	4	3	15	60	75	2
8	MTS5B08	Linear Programming	5	3	3	15	60	75	2
9	MTS5B09	Introduction to Geometry	5	3	3	15	60	75	2
		Project	5	2					
10		Open Course (Offered by Other Departments)	5	3	3	15	60	75	2
11	MTS6B10	Real Analysis	6	5	5	20	80	100	2.5
12	MTS6B11	Complex Analysis	6	5	5	20	80	100	2.5
13	MTS6B12	Calculus of Multi variable	6	5	4	20	80	100	2.5
14	MTS6B13	Differential Equations	6	5	4	20	80	100	2.5
15	MTS6B14	Elective	6	3	2	15	60	75	2
16	MTS6P15(PR)	Project Viva	6	2	2	15	60	75	
				68	58			1450	





UNIVERSITY OF CALICUT

**Abstract**

General and Academic - Faculty of Science - Modified Syllabus of BSc Physics Programme under CBCSS UG Regulations 2019 with effect from 2020 Admission onwards - Implemented- Orders Issued.

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**G & A - IV - J**

U.O.No. 6321/2020/Admn

Dated, Calicut University.P.O, 07.07.2020

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*Read:-*1. U.O.No. 4368/2019/Admn dated 23.03.2019

2. U.O.No. 18084/2019/Admn Dated 28.12.2019

3. The item No.5 in the minutes of the meeting of the Board of Studies in Physics UG held on 05.03.2020

4. Remarks of the Dean, Faculty of Science dtd 08.06.2020

5. Order of the Vice Chancellor in the file even no. dtd 11.06.2020

**ORDER**

1. The Regulations for Choice Based Credit and Semester System for Under Graduate (UG) Curriculum-2019 (CBCSS UG Regulations 2019) for all UG Programmes under CBCSS-Regular and SDE/PrivateRegistration w.e.f. 2019 admission, has been implemented vide paper read first above and the same has been modified vide paper read second above.
2. The meeting of the Board of Studies in Physics (UG) held on 05/06/2020 has recommended the following modifications in the I and II semester of the Syllabus of B.Sc Physics Programme in tune with the new CBCSS UG - 2019 Regulations with effect from 2020 Admission, vide paper read third above.
  - Two units in semester I should be removed. The title of the course changed to Mechanics-I.
  - The syllabus of the unit, "Waves" in the syllabus of semester II is modified with another standard text book as book of study. The title of the course changed to Mechanics-II.
3. The Dean, Faculty of Science has approved the modified syllabus of BSc Physics programme in tune with the new CBCSS UG-2019 Regulations with effect from 2020 Admission onwards, vide paper read fourth above.
4. Considering the urgency of the matter, the Vice Chancellor has accorded sanction to implement the Scheme and Syllabus of B Sc Physics Programme in accordance with the new CBCSS UG Regulations 2019, in the University with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The Modified Scheme and Syllabus of B Sc Physics Programme in accordance with CBCSS UG Regulations 2019, is therefore implemented in the University with effect from 2020 Admission onwards.
6. Orders are issued accordingly. (Syllabus appended).

Arsad M

Assistant Registrar

To

The Principals of all Affiliated Colleges

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**UNIVERSITY OF CALICUT**

**B.Sc. PHYSICS**

**(CORE AND COMPLEMENTARY PROGRAMMES)**

**SYLLABUS & MODEL QUESTION PAPERS**

**w.e.f 2020 admission onwards**

**CBCSSUG Regulations 2020**



## CREDIT AND MARK DISTRIBUTION IN EACH SEMESTERS

**Total Credits: 120; Total Marks: 3075**

<i>Semester</i>	<i>Course</i>	<i>Credit</i>	<i>Marks</i>
1	Common course: English	4	100
	Common course: English	3	75
	Common course: Additional Language	4	100
	Core Course I: Mechanics I	2	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>18</b>	<b>500</b>
2	Common course: English	4	100
	Common course: English	3	75
	Common course: Additional Language	4	100
	Core Course II: Mechanics II	2	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>18</b>	<b>500</b>
3	Common course: English	4	100
	Common course: Additional Language	4	100
	Core Course III: Electrodynamics-I	3	75
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Total	<b>16</b>	<b>425</b>
4	Common course: English	4	100
	Common course: Additional Language	4	100
	Core Course IV: Electrodynamics-II	3	75
	Core Course V: Physics Practical 1	5	100
	Complementary course: Mathematics	3	75
	Complementary course: II	2	75
	Complementary course: II Practical	4	100
	Total	<b>25</b>	<b>625</b>
5	Core Course VI: Computational Physics	3	75
	Core Course VII :Quantum Mechanics	3	75
	Core Course VIII: Optics	3	75
	Core Course IX: Electronics (Analog and Digital)	3	75
	Open course	3	75
	Total	<b>15</b>	<b>375</b>



6	Core Course X: Thermodynamics	3	75
	Core Course XI: Statistical Physics, Solid State Physics, Spectroscopy and Photonics	3	75
	Core Course XII: Nuclear Physics and Particle Physics	3	75
	Core Course XIII: Relativistic mechanics and Astrophysics	3	75
	Core Course XIV: Elective (EL1 / EL2 / EL3)	3	75
	Core Course XV: Practical II	5	100
	Core Course XVI: Practical III	5	100
	Core Course XVII: Project/Research Methodology	2	60
	Tour report	1	15
	<b>Total</b>	<b>28</b>	<b>650</b>
	<b>Grand Total</b>	<b>120</b>	<b>3075</b>





**UNIVERSITY OF CALICUT**

**Abstract**

General and Academic - Faculty of Humanities- Scheme and Syllabus of MA Political Science Programme for Affiliated Colleges and SDE/Private Registration (CBCSS PG 2019 ) incorporating Outcome Based Education- Implemented w.e.f 2020 Admission onwards - Subject to ratification by Academic Council -Orders Issued

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**G & A - IV - B**

U.O.No. 5798/2021/Admn

Dated, Calicut University.P.O, 31.05.2021

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*Read:-*1. U.O.No. 8658/2019/Admn dated 02.07.2019

2. Minutes of the meeting of the Board of Studies in Political Science PG held on 21.05.2021(Item No.1)
3. Remarks of the Dean Faculty of Humanities, dated 23.05.2021.
4. Orders of the Vice Chancellor dated 25.05.2021

**ORDER**

1. The scheme and syllabus of MA Political Science Programme for Affiliated Colleges and SDE/Private Registration under CBCSS PG Regulations 2019, has been implemented in the University w.e.f 2019 admission onwards, vide paper read (1) above.
2. The meeting of the Board of Studies in Political Science(PG) , held on 21.05.2021, vide paper read (2) above, has approved Outcome Based Education (OBE) in the existing syllabus of MA Political Science Programme, under CBCSS PG Regulations 2019, without changing the content, w.e.f 2020 admission onwards.
3. The Dean, Faculty of Humanities, vide paper read (3) above, has approved the above resolution of the Board of Studies in Political Science(PG) held on 21.05.2021.
4. Considering the urgency in implementation of the syllabus, the Vice Chancellor has accorded sanction to implement Outcome Based Education in the existing syllabus of MA Political Science Programme (CBCSS PG 2019) without changing the content, with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The scheme and syllabus of MA Political Science Programme for Affiliated Colleges and SDE/Private Registration under CBCSS PG Regulations 2019 incorporating Outcome Based Education (OBE) in the existing syllabus, without changing the content is therefore implemented in the University with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended)

Ajitha P.P

Joint Registrar

To

The Principal , Affiliated Colleges.

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# **UNIVERSITY OF CALICUT**

**POSTGRADUATE PROGRAMME  
IN  
POLITICAL SCIENCE  
CHOICE BASED CREDIT SEMESTER SYSTEM  
(CBCSS)**



**SCHEME & SYLLABUS  
(2020 Admission Year onwards )**



## Evaluation

The evaluation scheme for each paper shall contain two parts:

- (1) Internal evaluation : 20%
- (2) External evaluation : 80%

The question paper for external examination may contain short answer, short essays and long essays.

**Regulations of the 'Calicut University Choice Based Credit Semester System (CBCSS -PG-2019) for Outcome Based education is applicable in the implementation of the M.A. Political Science Programme.**

### M.A. Political Science (CBCSS)

Course Code	Semester I	Credits
POL1C01	Modern Political Analysis and Political Sociology	5
POL1C02	Modern Indian Social and Political Thought	4
POL1C03	Indian Government and Politics	4
POL1C04	Theories and Concepts of Public Administration	5
POL1A01	Ability Enhancement Course (AEC) □ Basics of Computer	4 (Not to be added for SGPA/CGPA)
Course Code	Semester II	Credits
POL2C05	Comparative Politics	5
POL2C06	Political Theory: Liberal Tradition	5
POL2C07	Issues in Indian Politics	5
POL2C08	Theories and Concepts of International Politics	5
POL2A02	Professional Competency Course (PCC) □ Field Survey and Data Analysis	4 (Not to be added for



		SGPA/CGPA)
<b>Course Code</b>	<b>Semester III</b>	<b>Credits</b>
POL3C09	Research Methodology	4
POL3C10	Political Theory: Marxian Tradition	5
POL3C11	Issues in International Politics	5
<b>Electives: The students have to choose any 2 elective courses from the following</b>		
POL3E01	Human Rights in India	3
POL3E02	Indian Administration	3
POL3E03	Politics of Developing Societies	3
<b>Course Code</b>	<b>Semester IV</b>	<b>Credits</b>
POL4C12	State and Society in Kerala	4
POL4C13	India's Foreign Policy	4
<b>Electives: The students have to choose any 2 elective courses from the following</b>		
POL4E04	Social and Political Thought of B.R. Ambedkar	3
POL4E05	Mass Media and Political Communication	3
POL4E06	Environment, Development and Politics	3
POL4E07	Development Administration	3
<b>POL4P01 and POL4V01</b>	<b>Project /Dissertation and Comprehensive Viva Voce</b>	<b>6+2</b>
	<b>Total Credits</b>	<b>80</b>

### Study Tour Programme

Study tour to destinations of historical, political and constitutional importance in third semester is mandatory for the completion of the programme. This includes governmental institutions, constitutional institutions, Legislatures, and places of historical importance.





UNIVERSITY OF CALICUT

**Abstract**

General and Academic - Faculty of Humanities- Scheme and Syllabus of BA Political Science Programme (CBCSS UG 2019) -Incorporating Outcome Based Education- Implemented w.e.f 2020 Admission onwards - Subject to ratification by Academic Council -Orders Issued

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**G & A - IV - B**

U.O.No. 5766/2021/Admn

Dated, Calicut University.P.O, 30.05.2021

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*Read:-*1.U.O.No. 8480/2019/Admn dated 30.06.20199

2. Minutes of the meeting of the Board of Studies in Political Science UG held on 25.05.2021(Item No.1)
3. Remarks of the Dean Faculty of Humanities, dated 28.05.2021.
4. Orders of Vice Chancellor dated 28/05/2021.

**ORDER**

1. The scheme and syllabus of BA Political Science Programme under CBCSS UG Regulations 2019 has been implemented in the University w.e.f 2019 admission onwards, vide paper read (1) above.
2. The meeting of the Board of Studies in Political Science UG, held on 25.05.2021, vide paper read (2) above, has approved Outcome Based Education (OBE) in the existing syllabus of BA Political Science Programme, under CBCSS PG Regulations 2019, without changing the content w.e.f 2020 admission onwards.
3. The Dean, Faculty of Humanities, vide paper read (3) above, has approved the above resolution of the Board of Studies in Political Science UG held on 25.05.2021.
4. Considering the urgency in implementation of the syllabus, sanction has been accorded by the Vice Chancellor to implement Outcome Based Education in the existing syllabus of BA Political Science Programme (CBCSS UG 2019), without changing the content with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
5. The scheme and syllabus of BA Political Science Programme under CBCSS UG Regulations 2019 incorporating Outcome Based Education (OBE) in the existing syllabus without changing the content, is therefore implemented with effect from 2020 Admission onwards, subject to ratification by the Academic Council.
6. Orders are issued accordingly. (Syllabus appended)

Ajitha P.P

Joint Registrar

To

1. The Principal , Affiliated Colleges 2. The Director, SDE  
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Section Officer



# UNIVERSITY OF CALICUT



**BA POLITICAL SCIENCE PROGRAMME**  
**under**  
**Choice Based Credit Semester System for Under Graduate**  
**CBCSS UG-2019**

**SCHEME & SYLLABUS**  
**(2020 Admission Year onwards )**



## UNIVERSITY OF CALICUT

The Under Graduate programme in **Political Science** includes

- (a) Common Courses
- (b) Core Courses
- (c) Complementary Courses
- (d) Open Courses and
- (e) Project

**Common Courses:** In general, every UG student shall undergo 10 common courses (total 38 credits) chosen from a group of 14 common courses listed below, for completing the programme:

*A01. Common English Course 1*

English courses A01-A06 applicable to BA/BSC Regular pattern

<i>A02. Common English Course II A03. Common English Course III A04. Common English Course IV A05. Common English Course V A06. Common English Course VI</i>	English courses A01-A04 applicable to Language Reduced Pattern (LRP) Programmes B.com, BBA, BBA (T), BBM, B.Sc (LRP), BCA etc.
<i>A07. Additional Language Course I A08. Additional Language Course II A09. Additional Language Course III A10. Additional Language Course IV</i>	Addl. Language courses A07-A10 applicable to BA/B.Sc Regular Pattern  Addl. Language courses A07-A08 applicable to Language Reduced Pattern (LRP) Programmes
<i>A11. General Course I A12. General Course II A13. General Course III A14. General Course IV</i>	Applicable to Language Reduced Pattern (LRP) Programmes

Common courses A01-A06 shall be taught by English teachers and A07-A10 by teachers of additional languages respectively. General courses A11-A14 shall be offered by teachers of departments offering core courses concerned.

General courses I, II, III and IV shall be designed by the group of boards concerned.

The subjects under Language Reduced Pattern (LRP) (Alternative Pattern) are grouped into five and General Courses I, II, III & IV shall be the same for each group.

1. BBA, B.Com., Fashion Technology, Hotel Management.



### Structure of Courses for B.A. programmes

Common courses	38 credits
Core courses including Project(2) & Elective(4)	63 credits
Complementary courses	16 credits
Open courses	03 credits
Total	120

#### Semester 1

Sl.No	Course code Title of courses	Hours/week	No. of credits
1	Common English Course –I (AOI)		
2	Common English Course –II( AO2)		
3	Additional Language Course –I AO7 (1)		
4	Core course - 1	6	5
5	Complementary – 1	6	4

#### Semester 2

6	Common English Course –III (AO3)		
7	Common English Course –IV (AO4)		
8	Additional Language Course –II AO8(1)		
9	Core course – 2	6	5
10	Complementary – 2	6	4

#### Semester 3

11	Common English Course –V (AO 5)		
12	Additional Language Course -III (AO 9)		
13	Core course – 3	4	4
14	Core course - 4	5	4
15	Complementary – 2	6	4

#### Semester 4

16	Common English Course –VI (AO 6)		
17	Additional Language Course –X (A10)		
18	Core course - 5	4	4
19	Core course -6	5	4



20	Complementary – 1	6	4
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### Semester 5

21	Core course - 7	5	4
22	Core course -8	5	4
23	Core course – 9	5	4
24	Core course -10	5	4
25	Open course	3	3
26	Project	2	*
	<b>Total</b>	25	19

### Semester 6

31	Core course – 11	5	4
32	Core course -12	5	4
33	Core course – 13	5	4
34	Core course -14	5	4
35	Elective course	3	3
36	Project	2	2
	<b>Total</b>	25	21

Total Credits: 120

## Under Graduate Programme in Political Science

### I. Core Courses

Semester wise Details of Core Courses recommended by Board of Studies in Political Science (UG)

#### Details of Core courses and Code of Courses

#### BA Political Science

Name of Semester	Course Code	Name of the Core Course
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**DETAILS OF PG/UG PROJECTS COMPLETED DURING 2021-22**

<b>Reg. No.</b>	<b>Name</b>	<b>Programme</b>	<b>Duration</b>	<b>Project Name</b>	<b>Name of Supervisor</b>
PGAUMCM001	AISWARYA SUNIL	Mcom	1 Semester	A study on customer satisfaction towards Online shopping during Covid 19 with special reference to Koratty Grama Panchayath	DR. JOJOMON N A
PGAUMCM002	AMITHA BABU	Mcom	1 Semester	Effectiveness of advertisement on consumer buying behaviour towards Nestle Chocolates	Dr GIRISH M C
PGAUMCM003	ANILA POLY	Mcom	1 Semester	A study on customer perception towardsectric vehicles in Kerala with special reference towards Thrissur District	DR. SAJIKUMAR K B
PGAUMCM004	ANSHIFA H	Mcom	1 Semester	A study on brand preference of sports goods among youth	SINI G
PGAUMCM005	ANUGRAHA J	Mcom	1 Semester	The effects of Covid 19 on unorganized vendors with special reference to Tourism sector at Munnar town	KRISHNAKUMAR P G
PGAUMCM006	ANU M A	Mcom	1 Semester	A study on awareness of Post Office Savings Scheme in Koratty Grama Panchayath	MOTTY JOSEPH
PGAUMCM007	BIJITHA BIJU	Mcom	1 Semester	A study on problems and job satisfaction of Anganwadi workers	KADAMPARI P G
PGAUMCM008	HARSHA MENON T	Mcom	1 Semester	A study on the customer satisfaction towards Pradhan Mantri Bharathiya Janaushadhi Kendras with special reference to Mala Grama Panchayath	SABU GEORGE
PGAUMCM009	LIPSY PAUL	Mcom	1 Semester	A study on customer perception towards E-wallets with special reference to Chalakudy Municipality	DR. JOJOMON N A
PGAUMCM010	SHASMY K SHYLES	Mcom	1 Semester	A study on impact of celebrity endorsement of consumer buying behavioyr with special reference to Dairy Milk Chocolates	Dr GIRISH M C
PGAUMCM011	POOJA PURUSHOTHAMAN	Mcom	1 Semester	A study on customer perception and satisfaction towards Flipkart	DR. SAJIKUMAR K B
PGAUMCM012	RENEEJA P R	Mcom	1 Semester	A study on brand loyalty for cosmetic products among youth in Thrissur District	SINI G
PGAUMCM013	RENUKA SUNDARAN	Mcom	1 Semester	A study on the impact of visual merchandising on impulse buying behaviour of customers in Thrissur District	MOTTY JOSEPH
PGAUMCM014	RINCY JOY	Mcom	1 Semester	Influence of online advertisement on buying behaviour among youth	DR. SAJIKUMAR K B
PGAUMCM015	SAJAD O A	Mcom	1 Semester	Consumer attitude towards Impulsive buying of FMCG	KADAMPARI P G
PGAUMCM016	SANDRA M S	Mcom	1 Semester	A study on Beneficiaries Satisfaction towards Indira Gandhi National Old Age Pension Scheme	KADAMPARI P G
PGAUMCM018	SAVITHA C	Mcom	1 Semester	A study on satisfaction of Milma products with special reference to Pallassana Panchayath	SABU GEORGE



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGAUMCM019	SHAHANA HUSSAIN K	Mcom	1 Semester	A study on the social perception towards EDTECHS and visual learning before and during covid 19 pandemic in Thrissur District	Dr GIRISH M C
PGAUMCM020	SHASMY K SHYLES	Mcom	1 Semester	A study on customer perception towards food delivery applications during Covid 19	Dr GIRISH M C
PGAUMCM021	SHILPA C V	Mcom	1 Semester	Customer Perception and satisfaction towards OTT Platforms	DR. SAJIKUMAR K B
PGAUMCM022	SOORYA N S	Mcom	1 Semester	A study on role of Akshaya Centre in providing E-governance with special reference to 10th ward of Poyya Grama Panchayath	SINI G
PGAUMCM023	SREEJITH V T	Mcom	1 Semester	An analytical study on financial distress and profitability of SBI and HDFC Bank	Dr GIRISH M C
PGAUMCM024	SURYA P R	Mcom	1 Semester	Customer satisfaction towards the services offered by Chalakudy Service Co-operative Bank	MOTTY JOSEPH
PGAUMCM025	VISMAYA N	Mcom	1 Semester	Problems faced by ASHA Workers in Rural Kerala with special reference to Irimbiliyam & Athavanad Grama Panchayath	KRISHNAKUMAR P G
PGATBCM001	AGHILA K B	B.Com	1 Semester	A study on consumer satisfaction of Airtel customers in Thrissur District	Dr GIRISH M C
PGATBCM002	ANJALY J NAIR	B.Com	1 Semester	A study on consumer perception towards digital payment system	Dr GIRISH M C
PGATBCM003	ANJANA C R	B.Com	1 Semester	A study on students awareness about E Learning Apps among college students of Thrissur District	Dr.MADHUSOODANAN KARTHA N V
PGATBCM004	APARNA K RAMACHANDRAN	B.Com	1 Semester	A study on online shopping among people before and during Covid 19-special reference to ward 19 Mattathur panjayath	SINI G
PGATBCM005	ARCHANA M B	B.Com	1 Semester	A study on consumer attitude towards various investment avenues	MOTTY JOSEPH
PGATBCM006	ASNA P S	B.Com	1 Semester	A study on consumer attitude towards online shopping	KRISHNAKUMAR P G
PGATBCM007	ASWATHY K A	B.Com	1 Semester	A study on consumer satisfaction and preference towards online food ordering Apps- Special reference to Chalakudy Municipality	KADAMPARI P G
PGATBCM008	ATHIRA K V	B.Com	1 Semester	A study on consumer perception and preferences of green marketing - Special reference to Chalakudy Taluk	SABU GEORGE
PGATBCM009	DHIYA P S	B.Com	1 Semester	A Study on employee satisfaction at Sri Venkiteswara Aluminium Company Aloor	SINI G
PGATBCM010	ELBA MENDEZ	B.Com	1 Semester	A study on impact of stress on employees productivity at KLF Nirmal Industries Pvt Ltd Irinjalakkuda	Dr GIRISH M C



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATBCM011	JISNA JOHNSON	B.Com	1 Semester	A Study on employee satisfaction in Suraj Polysacks Perumbi Koratty	Dr.MADHUSOODANAN KARTHA N V
PGATBCM013	NANDINI P S	B.Com	1 Semester	A study on consumer satisfaction of Himalya Beauty Care Products	SINI G
PGATBCM014	SANDRA R MENON	B.Com	1 Semester	A study on consumer satisfaction of Varadarappilly Vanitha Cooperative Society	MOTTY JOSEPH
PGATBCM015	SHAFNA A S	B.Com	1 Semester	Work life of Kudumbasree members with special reference 16th ward of Mattathur Grama Panjayat	KRISHNAKUMAR P G
PGATBCM016	SHAHANA S	B.Com	1 Semester	A study on consumer satisfaction towards Anand Milk Union Ltd (AMUL) Products Special reference to ward 6 Mattathur Panjayat	KADAMPARI P G
PGATBCM017	SONA M P	B.Com	1 Semester	A study on consumer satisfaction towards online Payment system ward 2 of Koratty Panjayat	SABU GEORGE
PGATBCM018	THEERTHA	B.Com	1 Semester	A study on consumers attitude towards ATM and internet banking services special reference to Irinjalakuda	MOTTY JOSEPH
PGATBCM019	ADARSH P	B.Com	1 Semester	A study on Paytm services in promoting cashless economy special reference to Chalakkudy city	Dr GIRISH M C
PGATBCM020	JERIN JOY	B.Com	1 Semester	A study on impact of Covid 19 on emigrants with special reference to Thrissur Dist	Dr.MADHUSOODANAN KARTHA N V
PGATBCM021	JOHN VARGHESE	B.Com	1 Semester	A study on consumer preference towards different brands on Coffee 26th ward of Chalkkudy Municipality	SINI G
PGATBCM022	MELVIN P O	B.Com	1 Semester	Consumer satisfaction of Reliance Jio Services among youngsters in Thrissur Dist	MOTTY JOSEPH
PGATBCM023	MUHAMED ROSHAN P	B.Com	1 Semester	A study of the problems and satisfaction of lottery vendors at Chalakkudy town	KRISHNAKUMAR P G
PGATBCM024	PULIKKAL SHBU ADITH KRISHNA	B.Com	1 Semester	A study on factors affecting the buying behaviour of two wheeler consumers	KADAMPARI P G
PGATBCM026	SARATH SHAJI	B.Com	1 Semester	A study on awareness of E Banking services among college students	Dr GIRISH M C
PGATBCM027	SURAJ CHARLES	B.Com	1 Semester	A study on consumer satisfaction based on online shopping with Amazon in Nayarangadi Panjayat	Dr GIRISH M C
PGATBCM029	ANUPAMA PRASAD	B.Com	1 Semester	A study on financial performance of Cap drinks Kumbidy	SINI G
PGATBCM030	APARNA SUKUMARAN	B.Com	1 Semester	A study on consumer satisfaction towards online shopping special reference to Angamaly	MOTTY JOSEPH
PGATBCM032	ATHULYA KRISHNAN	B.Com	1 Semester	A study on consumer satisfaction towards Meesho App special reference to Chalakkudy Municipality	KADAMPARI P G



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATBCM033	BIVISREE P B	B.Com	1 Semester	A study on role of advertisement on buying behaviour of cosmetic product among women consumers kodakara panjayat	SABU GEORGE
PGATBCM034	GEETHU GOPI	B.Com	1 Semester	A study on customer satisfaction on Akshaya centres services in Mattathur Grama Panchayat	KADAMPARI P G
PGATBCM035	JAFIN MARIE	B.Com	1 Semester	A study on financial performance of HDFC Bank Ltd	Dr GIRISH M C
PGATBCM036	MEGHA KK	B.Com	1 Semester	Influence of social media in creating consumer attitude of fast moving consumer goods	Dr.MADHUSOODANAN KARTHA N V
PGATBCM037	MEHNA FATHIMA	B.Com	1 Semester	A stusy on brand preference towards mobile phones among youth in Annamanada panjayat ward 6	SINI G
PGATBCM038	SANDRA SHAJU	B.Com	1 Semester	A study on consumer awareness about LIC products among rural area of Meloor Grama Panchayat	MOTTY JOSEPH
PGATBCM039	SARANYA M	B.Com	1 Semester	Analysis of deposit schemes of Koratty Service Cooperative Bank Ltd	KRISHNAKUMAR P G
PGATBCM040	SARANYA P	B.Com	1 Semester	A study on problems faced by working women with reference to Mala town	KADAMPARI P G
PGATBCM041	SARANYA S	B.Com	1 Semester	A study on recruitment and selection process at Big Bazar	SABU GEORGE
PGATBCM042	SUBHALAKSHMI SANTHOSH	B.Com	1 Semester	A study on problems faced by paddy cultivation with special reference to ward 12 Mattathur panchayat	KRISHNAKUMAR P G
PGATBCM043	ABHINAV JAYAN	B.Com	1 Semester	A study on customer satisfaction towards Patanjali Products	Dr GIRISH M C
PGATBCM044	ABHISHEK VASU	B.Com	1 Semester	A study on the job satisfaction and organisational commitment among higher secondary school teachers in Kerala with special reference to Chalakudy town	Dr.MADHUSOODANAN KARTHA N V
PGATBCM045	ABIJITH BABU	B.Com	1 Semester	A study to evaluate the role of Public Distribution System in Chalakudy Municipality with Special Reference to Ward 28	SINI G
PGATBCM046	AJAS M J	B.Com	1 Semester	A study on Online Food Delivery Platforms and their Socio and Economic Impact- Special reference to Kodassery Panchayath	MOTTY JOSEPH
PGATBCM047	AKHIL M L	B.Com	1 Semester	A study on the empowerment of dairy farmers -Special reference to Parappukkara Panchayath ward VIII	KRISHNAKUMAR P G
PGATBCM048	AKSHAYNATH V V	B.Com	1 Semester	A study on Customer Satisfaction of BSNL mobile services in Thrissur District	KADAMPARI P G
PGATBCM049	AMALKRISHNA M B	B.Com	1 Semester	A study on response towards Over the top platform movie release among youth	SABU GEORGE
PGATBCM050	ANANTHU AJAYAN	B.Com	1 Semester	A study on customer satisfaction towards samsung mobile phones	Dr.MADHUSOODANAN KARTHA N V



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATBCM051	ARUN M P	B.Com	1 Semester	A study on customer satisfaction of Royal Enfield in Thrissur District	Dr.MADHUSOODANAN KARTHA N V
PGATBCM052	DEO DAVIS	B.Com	1 Semester	A study on effectiveness of sales promotion on consumer behaviour of MILMA products with special reference to Chalakudy Municipality Ward 15	SINI G
PGATBCM053	INDRAJITH	B.Com	1 Semester	A study on Customers preference and awareness on digital payment system- Special reference to Kodungallur municipality	MOTTY JOSEPH
PGATBCM054	JOSEPH BIJU	B.Com	1 Semester	A study on service quality of agricultural welfare society with special reference to Elinjipra	KRISHNAKUMAR P G
PGATBCM055	SREERAG K S	B.Com	1 Semester	A study on Passengers Satisfaction towards Public Transportation with references to private buses in Kodakara Grama Panchayath	KADAMPARI P G
PGATBCM056	VISAL K S	B.Com	1 Semester	A study on brand preference of soft drinks among youth consumers in Parappukkara Panchayath	KADAMPARI P G
PGATBCM058	VIVEK	B.Com	1 Semester	A study on Customer Satisfaction on VI Users-Special reference to Kuzhur Panchayath	SABU GEORGE
PGAUMEC001	AISWARYA A M	MA Economics	1 Semester	Organic Farming in Kerala: A Case Study of Chalakudy Block Panchayat	Shinto M Kuriakose
PGAUMEC002	AKSHAYA ANILAN	MA Economics	1 Semester	Study on Factors Influencing the Performance of Online Food Delivery Services and Their Satisfaction among College Students	Sunilkumar A
PGAUMEC003	AMRUTHA K S	MA Economics	1 Semester	Study on Healthcare Institutions in Palakkad District with Special Reference to Kadampazhipuram Grama Panchayat	Ratnakumari K A
PGAUMEC004	ARATHI P R	MA Economics	1 Semester	A Study on Human and Wildlife Conflict in Thirunelli Grama Panchayat	Anjali Prakash
PGAUMEC005	ASWATHY U	MA Economics	1 Semester	An Economic Analysis of Consumption Pattern of BPL Families in Kerala: With Special Reference to Ayilur Panchayath	Thomas Mathew
PGAUMEC006	BLESSY POULOSE	MA Economics	1 Semester	A Case Study on the Impact of Emergence of Shopping Mall on Retailers in Nattika Grama Panchayat	Dr. Martin K J
PGAUMEC007	GANIYA GAFOOR	MA Economics	1 Semester	An Economic Analysis on the Employment Discrimination of LGBTQA+ People with Special Reference to Ernakulam District	Dr. Sinitha Xavier
PGAUMEC008	KAVYA M P	MA Economics	1 Semester	Rural Development through ASHA Workers with Special Reference to Noolpuzha Grama Panchayat	Shinto M Kuriakose



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGAUMEC009	MAYA P	MA Economics	1 Semester	Economic Contribution of Livestock Farming to the Rural People: A Case Study of Male Buffalo Rearing Scheme in Polpully Grama Panchayat in Palakkad	Sunilkumar A
PGAUMEC010	MIDHILA V M	MA Economics	1 Semester	A Study on the Satisfaction of Online Shopping among College Students in Chalakudy Municipality	Ratnakumari K A
PGAUMEC011	NASLI P P	MA Economics	1 Semester	A Study on the Digital Payment Habits among Rural Households with Special Reference to Edavan Grama Panchayat	Anjali Prakash
PGAUMEC012	NITHYA K K	MA Economics	1 Semester	Indebtedness of Farmers: A Study of Peruvemba Grama Panchayat	Thomas Mathew
PGAUMEC013	POOJA V RAJAN	MA Economics	1 Semester	Role of Public Distribution System in Improving the Welfare of Different Economic Classes in the Society after the Introduction of EPOS Machine: A Case Study in Parappukkara Grama Panchayat	Dr. Martin K J
PGAUMEC014	PRAVEENA K S	MA Economics	1 Semester	An Analysis of the Performance of E-Banking in Rural Area: A Case Study of Choondal Grama Panchayat	Dr. Sinitha Xavier
PGAUMEC015	REKHA RAMACHANDRAN	MA Economics	1 Semester	An Economic Analysis of Kole Cultivation in Thrissur with Special Reference to Adat Grama Panchayat	Shinto M Kuriakose
PGAUMEC016	SANDRA A R	MA Economics	1 Semester	Beneficiary Satisfaction towards the Community Housing Schemes in Kerala: A Case Study of Katampazhipuram Panchayat	Sunilkumar A
PGAUMEC017	SHEELA G	MA Economics	1 Semester	A Study of Women Labour Problems in Tea Plantation Sector: With Special Reference to Palakkad in Nelliapathi Region	Ratnakumari K A
PGAUMEC018	SIVALAKSHMI C V	MA Economics	1 Semester	Performance of Anganwadi Centres under ICDS Regarding Pre-School Children in Athirappilly Grama Panchayat	Anjali Prakash
PGAUMEC019	SRUTHY K SURESH	MA Economics	1 Semester	A Study on Impact of Industrial Pollution with Special Reference to Nita Gelatin Company (KathiKudam)	Thomas Mathew
PGAUMEC020	SURYATHARA K N	MA Economics	1 Semester	Decline of Pady Cultivation- A Case Study of Chittur Thathamangalam Municipality	Dr. Martin K J
PGATAECR01	ADITHYA M C	BA Economics	1 Semester	Implementation of Integrated Child Development in Kodassery	Shinto M Kuriakose
PGATAECR02	AMRUTHA P S	BA Economics	1 Semester	A Study on the Socio-Economic Status of Private Bus Workers in Chalakudy	Sunilkumar M
PGATAECR03	ANAMIKA RAJESH	BA Economics	1 Semester	Socio-Economic Status of Sanitary Workers: A Case Study in Chalakudy Municipality	Ratnakumari K A



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAECR04	ANFEYA P S	BA Economics	1 Semester	A Study on Consumer's Attitude Towards Online Shopping among Rural Households in Aloor Panchayat	Anjali Prakash
PGATAECR05	APARNA K P	BA Economics	1 Semester	A Study on the Haritha Karma Sena in Chalakudy Municipality Area	Thomas Mathew
PGATAECR06	ARCHA CHANDRAN	BA Economics	1 Semester	Livelihood Issues of Cashew Workers: A Study in Pullur Panchayat	Dr. Martin K J
PGATAECR07	JESLIYA A J	BA Economics	1 Semester	Benefits of Integrated Child Development to Adolescent Girls-An Evaluation	Dr. Sinitha Xavier
PGATAECR08	KEERTHANA C R	BA Economics	1 Semester	Socio-Economic Status of Sales Women in Chalakudy Municipality	Shinto M Kuriakose
PGATAECR09	NANDHANA SUNIL	BA Economics	1 Semester	The Effects of Covid-19 in Foreign Remittances of Expatriates in Thrissur District	Sunilkumamr M
PGATAECR10	NIKHILA RAJESH	BA Economics	1 Semester	Women Empowerment through Kudumbashree: A Study of Micro Enterprises run by Kudumbashree Units in Kodakara Grama Panchayat	Ratnakumari K A
PGATAECR11	REMI K L	BA Economics	1 Semester	A Study on Consumer Behaviour on Fast Moving Consumer Goods (FMCGs) among Rural Households in Velloorkkara Grama Panchayat	Anjali Prakash
PGATAECR12	SHIJA T K	BA Economics	1 Semester	Implementation of Integrated Child Development in Kodassery	Shinto M Kuriakose
PGATAECR13	SUSHASREE P S	BA Economics	1 Semester	A Study on the Socio-Economic Status of Private Bus Workers in Chalakudy	Sunilkumar M
PGATAECR14	SUVIYA SURESH	BA Economics	1 Semester	Socio-Economic Status of Sanitary Workers: A Case Study in Chalakudy Municipality	Ratnakumari K A
PGATAECR15	VISHNUPRIYA K U	BA Economics	1 Semester	A Study on Consumer's Attitude Towards Online Shopping among Rural Households in Aloor Panchayat	Anjali Prakash
PGATAECR16	SAYOOJ P S	BA Economics	1 Semester	A Study on the Haritha Karma Sena in Chalakudy Municipality Area	Thomas Mathew
PGATAECR17	ABITHA JENISH	BA Economics	1 Semester	Livelihood Issues of Cashew Workers: A Study in Pullur Panchayat	Dr. Martin K J
PGATAECR18	ANEESHA M JOY	BA Economics	1 Semester	Benefits of Integrated Child Development to Adolescent Girls-An Evaluation	Dr. Sinitha Xavier
PGATAECR19	ANJALA K	BA Economics	1 Semester	Socio-Economic Status of Sales Women in Chalakudy Municipality	Shinto M Kuriakose
PGATAECR20	ANJANA T M	BA Economics	1 Semester	The Effects of Covid-19 in Foreign Remittances of Expatriates in Thrissur District	Sunilkumamr M



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAECR21	ANJU DAVIS	BA Economics	1 Semester	Women Empowerment through Kudumbashree: A Study of Micro Enterprises run by Kudumbashree Units in Kodakara Grama Panchayat	Ratnakumari K A
PGATAECR22	ATHULYA T M	BA Economics	1 Semester	A Study on Consumer Behaviour on Fast Moving Consumer Goods (FMCGs) among Rural Households in Velloorkkara Grama Panchayat	Anjali Prakash
PGATAECR23	DEVAPRIYA M P	BA Economics	1 Semester	Implementation of Integrated Child Development in Kodassery	Shinto M Kuriakose
PGATAECR24	DHIYA SHAJU	BA Economics	1 Semester	A Study on the Socio-Economic Status of Private Bus Workers in Chalakudy	Sunilkumar M
PGATAECR25	FARSANA BEEGUM	BA Economics	1 Semester	Socio-Economic Status of Sanitary Workers: A Case Study in Chalakudy Municipality	Ratnakumari K A
PGATAECR26	FATHIMATH NOORA M P	BA Economics	1 Semester	A Study on Consumer's Attitude Towards Online Shopping among Rural Households in Aloor Panchayat	Anjali Prakash
PGATAECR27	GOPIKA MOHAN	BA Economics	1 Semester	A Study on the Haritha Karma Sena in Chalakudy Municipality Area	Thomas Mathew
PGATAECR28	KRISHNAPRIYA K S	BA Economics	1 Semester	Livelihood Issues of Cashew Workers: A Study in Pullur Panchayat	Dr. Martin K J
PGATAECR29	LAKSHMIPRIYA K R	BA Economics	1 Semester	Benefits of Integrated Child Development to Adolescent Girls-An Evaluation	Dr. Sinitha Xavier
PGATAECR30	LIMI JOSE	BA Economics	1 Semester	Socio-Economic Status of Sales Women in Chalakudy Municipality	Shinto M Kuriakose
PGATAECR31	MAYA MOL M K	BA Economics	1 Semester	The Effects of Covid-19 in Foreign Remittances of Expatriates in Thrissur District	Sunilkuamr M
PGATAECR32	NIKHILA SUDHAN	BA Economics	1 Semester	Women Empowerment through Kudumbashree: A Study of Micro Enterprises run by Kudumbashree Units in Kodakara Grama Panchayat	Ratnakumari K A
PGATAECR33	NIMA MARY JOHNY	BA Economics	1 Semester	A Study on Consumer Behaviour on Fast Moving Consumer Goods (FMCGs) among Rural Households in Velloorkkara Grama Panchayat	Anjali Prakash
PGATAECR34	NITHA T R	BA Economics	1 Semester	Women Empowerment through Kudumbashree: A Study of Micro Enterprises run by Kudumbashree Units in Kodakara Grama Panchayat	Ratnakumari K A
PGATAECR35	RAICHEL MATHEW	BA Economics	1 Semester	The Effects of Covid-19 in Foreign Remittances of Expatriates in Thrissur District	Sunilkuamr M
PGATAECR36	SABANA S	BA Economics	1 Semester	Socio-Economic Status of Sales Women in Chalakudy Municipality	Shinto M Kuriakose
PGATAECR37	SANDRA THOMAS	BA Economics	1 Semester	Benefits of Integrated Child Development to Adolescent Girls-An Evaluation	Dr. Sinitha Xavier



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAECR38	SHAHANA SHARIN C	BA Economics	1 Semester	Livelihood Issues of Cashew Workers: A Study in Pullur Panchayat	Dr. Martin K J
PGATAECR39	SNEHA T S	BA Economics	1 Semester	A Study on the Haritha Karma Sena in Chalakudy Municipality Area	Thomas Mathew
PGATAECR40	SREELAKSHMI K S	BA Economics	1 Semester	A Study on Consumer's Attitude Towards Online Shopping among Rural Households in Aloor Panchayat	Anjali Prakash
PGATAECR41	STIYA PAUL	BA Economics	1 Semester	Socio-Economic Status of Sanitary Workers: A Case Study in Chalakudy Municipality	Ratnakumari K A
PGATAECR42	SYAMA SIVADASAN	BA Economics	1 Semester	A Study on the Socio-Economic Status of Private Bus Workers in Chalakudy	Sunilkumar M
PGATAECR44	THASHREEFA C S	BA Economics	1 Semester	Implementation of Integrated Child Development in Kodassery	Shinto M Kuriakose
PGATAECR45	UNNIMAYA T U	BA Economics	1 Semester	A Study on Consumer Behaviour on Fast Moving Consumer Goods (FMCGs) among Rural Households in Velloorkkara Grama Panchayat	Anjali Prakash
PGATAECR48	AKSHAY ANAND	BA Economics	1 Semester	Women Empowerment through Kudumbashree: A Study of Micro Enterprises run by Kudumbashree Units in Kodakara Grama Panchayat	Ratnakumari K A
PGATAECR49	AMAL CHANDRAN	BA Economics	1 Semester	The Effects of Covid-19 in Foreign Remittances of Expatriates in Thrissur District	Sunilkuamr M
PGATAECR50	ANANDHU KRISHNAN	BA Economics	1 Semester	Socio-Economic Status of Sales Women in Chalakudy Municipality	Shinto M Kuriakose
PGATAECR51	ANURAG K MANOJ	BA Economics	1 Semester	Benefits of Integrated Child Development to Adolescent Girls-An Evaluation	Dr. Sinitha Xavier
PGATAECR52	ASIN SATHYAN	BA Economics	1 Semester	Livelihood Issues of Cashew Workers: A Study in Pullur Panchayat	Dr. Martin K J
PGATAECR53	MANU C B	BA Economics	1 Semester	A Study on the Haritha Karma Sena in Chalakudy Municipality Area	Thomas Mathew
PGATAECR54	PRAMAL PRASAD	BA Economics	1 Semester	A Study on Consumer's Attitude Towards Online Shopping among Rural Households in Aloor Panchayat	Anjali Prakash
PGATAECR56	SHAMIL A	BA Economics	1 Semester	Socio-Economic Status of Sanitary Workers: A Case Study in Chalakudy Municipality	Ratnakumari K A
PGATAECR57	SHERIN SHAJU	BA Economics	1 Semester	A Study on the Socio-Economic Status of Private Bus Workers in Chalakudy	Sunilkumar M
PGATAECR58	VISHAL KRISHNA K B	BA Economics	1 Semester	Implementation of Integrated Child Development in Kodassery	Shinto M Kuriakose
PGAUMMA001	ABHIRAMI V M	MA Malayalam	1 Semester	Environmentalism in the Contemporary Novel -Study based on of Sarah Joseph's Budhini	Dr.Renju Ravi



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGAUMMA002	AISWARYA N S	MA Malayalam	1 Semester	Women's life style in men's literatureA study of selected Malayalam short stories	Dr.Jayakumar S.S.
PGAUMMA003	AKHILA UNNI K	MA Malayalam	1 Semester	A study based on selected Malayalam short stories of Epidemic and representation of human life	Dr.Jayakumar S.S.
PGAUMMA004	ANAGHA M J	MA Malayalam	1 Semester	Postmodern Features in the Poems of Rafiq Ahmed (A Study Based on Selected Writings)	Dr.Jayakumar S.S.
PGAUMMA005	ANAKHA AJIKUMAR	MA Malayalam	1 Semester	A study of representations of subjugation based on the novels Karikottakari and Eri	Dr.Somalal T.M.
PGAUMMA006	ANJALI C V	MA Malayalam	1 Semester	Ecological vision in 'Jaivam'	Dr.Shiju K.
PGAUMMA007	ANJALI P S	MA Malayalam	1 Semester	Female Survival in Contemporary Malayalam Cinema (A Study Based on Selected Malayalam Movies)	Dr.Renju Ravi
PGAUMMA008	ANUMOL DAVIS	MA Malayalam	1 Semester	The concept of authority in the Nove'Ko'	Dr.Renju Ravi
PGAUMMA009	ASWATHI KRISHNAN V	MA Malayalam	1 Semester	Prison Experiences in Malayalam Literature Takijja; A study of my prison life	Dr.Shiju K.
PGAUMMA010	DEVIPRIYA M K	MA Malayalam	1 Semester	Character creation in 'Randamoozham'	Dr.Jayakumar s.s.
PGAUMMA011	DHANANJAYAN M	MA Malayalam	1 Semester	Football Culture; A study based on the film Sudanese from Nigeria	Dr.Shiju V.
PGAUMMA012	FOUSIYA V A	MA Malayalam	1 Semester	Articulation of female journeys - a study based on Mudritha	Dr.Krisna Aravind
PGAUMMA013	GREESHMA P B	MA Malayalam	1 Semester	Athirappilli Project and Literary and Cultural Defense	Dr.Somalal
PGAUMMA014	KEERTHI GOPI	MA Malayalam	1 Semester	Dalit Identity and Resistance in 'Dalitan'	Dr.Shiju K.
PGAUMMA015	LAKSHMI N B	MA Malayalam	1 Semester	Tribal culture in Malayalam poetry-A study in the context of Ashokan Marayur's collection of poems 'Pachaveed'	Dr.Krisna Aravind
PGAUMMA016	MRUDUL VARMA V M	MA Malayalam	1 Semester	Book and Novel Imagination: A Study Based on the Novels The Librarian and Susanna's Library	Dr.Somalal T.M.
PGAUMMA017	MUHEENARINCY NP	MA Malayalam	1 Semester	Strijeeatavivishkaram Malayalam novel based on Bursa's study	Dr.Krisna Aravind
PGAUMMA018	NITHYA P	MA Malayalam	1 Semester	Nagaraviskarana T.V. In Kochu Bava's Stories - A Study Based on Selected Stories.	Dr.Renju Ravi
PGAUMMA019	RAHNA NAZAR	MA Malayalam	1 Semester	Expression of Land in Malayalam Novel- A Study Based on Meesha Novel	Dr.Krisna Aravind
PGAUMMA020	RATHNA RAJ K P	MA Malayalam	1 Semester	Women's Lives, Religious Authority: A Study in the Context of 'Biryani' Movie	Dr.Renju Ravi
PGAUMMA021	SANDRA K K	MA Malayalam	1 Semester	Misogyny in Comedy Cinematography: A Study Based on Selected Malayalam Films.	Dr.Shiju K.
PGAUMMA022	SMIJA A B	MA Malayalam	1 Semester	Puzha Bimbam in the Poems of P. Kunjiraman Nair (A Study Based on Selected Poems)	Dr.Jayakumar S.S.



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGAUMMA023	SREELAKSHMI K S	MA Malayalam	1 Semester	Autobiography of a Dalit Woman: A Study Based on That Nellimaram Pulu	Dr.Somalal
PGAUMMA024	VISHNUPRIYA V M	MA Malayalam	1 Semester	Science Fiction Techniques: A Case Study of the Novel 'Ice-1960C'	Dr.Somalal T.M.
PGAUMMS001	AKHILA VASU	M Sc Mathematics	1 Semester	Pell's equation	Magi P M
PGAUMMS003	ANUGRAHA S GHOSH	M Sc Mathematics	1 Semester	Network analysis	Albert Antony T
PGAUMMS004	ASHIKA ASOKAN	M Sc Mathematics	1 Semester	Knot theory	Jismy M J
PGAUMMS005	BINSIYA V B	M Sc Mathematics	1 Semester	Queueing theory	Dr Jeepamol J Palathingal
PGAUMMS006	DEEPTHI DILEEP	M Sc Mathematics	1 Semester	Riesz spaces	Magi P M
PGAUMMS007	DEVIKA S S	M Sc Mathematics	1 Semester	A study on the applications of signed graph and social network analysis in decision making	Dr Sathian M K
PGAUMMS008	DHANYA M G	M Sc Mathematics	1 Semester	Lie groups and lie algebra	Dr Sathian M K
PGAUMMS009	GOPIKA GOPI	M Sc Mathematics	1 Semester	Combinatorial designs	Krishnadas K
PGAUMMS010	MAHITHA U S	M Sc Mathematics	1 Semester	Rhotrix theory	Dr Jeepamol J Palathingal
PGAUMMS011	SARANYA VENU S	M Sc Mathematics	1 Semester	Graceful graph	Krishnadas K
PGAUMMS012	SEETHAL C R	M Sc Mathematics	1 Semester	Domination in graph	Dr Pramod P K
PGAUMMS013	SOUMYA SANTHOSH	M Sc Mathematics	1 Semester	Hypergraph	Albert Antony T
PGAUMMS014	SRUTHY P R	M Sc Mathematics	1 Semester	Connectivity in weighted graph	Jismy M J
PGAUMMS015	TINCY C C	M Sc Mathematics	1 Semester	Matroid theory	Dr Pramod P K
PGATSMT001	ANAGHA K S	B Sc Mathematics	1 Semester	Continuity with respect to some special topologies on R	Albert Antony T
PGATSMT002	DONA VARGHESE	B Sc Mathematics	1 Semester	Study on formal languages and automata	Magi P M
PGATSMT003	GREESHMA C GOPI	B Sc Mathematics	1 Semester	Graph coloring	Jismy M J
PGATSMT004	MEENAKSHY K S	B Sc Mathematics	1 Semester	Study on formal languages and automata	Magi P M
PGATSMT005	AKASH VIJAYAN	B Sc Mathematics	1 Semester	Continuity with respect to some special topologies on R	Albert Antony T
PGATSMT006	RISHIKUMAR M K	B Sc Mathematics	1 Semester	Study on formal languages and automata	Magi P M
PGATSMT007	YADHUKRISHNA K S	B Sc Mathematics	1 Semester	An introduction to cryptography	Dr Sathian M K
PGATSMT008	DEVIKA P B	B Sc Mathematics	1 Semester	Continuity with respect to some special topologies on R	Albert Antony T
PGATSMT009	JASMI JOSE	B Sc Mathematics	1 Semester	Fuzzy set	Dr Pramod P K
PGATSMT010	KRISHNA E D	B Sc Mathematics	1 Semester	An introduction to cryptography	Dr Sathian M K
PGATSMT011	NAOMI BABU	B Sc Mathematics	1 Semester	Rings of polynomial	Krishnadas K
PGATSMT012	SHIFA P A	B Sc Mathematics	1 Semester	Graph coloring	Jismy M J
PGATSMT014	ANANTHU MOHANAN	B Sc Mathematics	1 Semester	Rings of polynomial	Krishnadas K
PGATSMT015	ANANTHU P R	B Sc Mathematics	1 Semester	Rings of polynomial	Krishnadas K
PGATSMT016	DIXON ANTO	B Sc Mathematics	1 Semester	Fuzzy set	Dr Pramod P K
PGATSMT018	SANGEETH K S	B Sc Mathematics	1 Semester	An introduction to cryptography	Dr Sathian M K
PGATSMT019	SREEHARI C S	B Sc Mathematics	1 Semester	Fuzzy set	Dr Pramod P K
PGATSMT020	VYSHNAV P G	B Sc Mathematics	1 Semester	Graph coloring	Jismy M J



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATSPH001	AMRITA E S	B Sc Physics	1 Semester	Comparison between different brands of petrol	Satheesh N S
PGATSPH002	ASHIDHA N S	B Sc Physics	1 Semester	Liquid lens: refractive index of different oils	Shimna Mohammed
PGATSPH004	GOPIKA T V	B Sc Physics	1 Semester	Polarimeter: specific rotation of sugar solution in different concentrations	Shimna Mohammed
PGATSPH005	SHABNA K A	B Sc Physics	1 Semester	Crystal growth-growth of copper sulphate penta hydrate single crystal	Satheesh N S
PGATSPH006	ABHIRAMDEV P JAYAN	B Sc Physics	1 Semester	Polarimeter: specific rotation of sugar solution in different concentrations	Shimna Mohammed
PGATSPH007	ABHISHEK P R	B Sc Physics	1 Semester	Crystal growth-growth of copper sulphate penta hydrate single crystal	Satheesh N S
PGATSPH008	MUHAEMED SIYAD P N	B Sc Physics	1 Semester	Polarimeter: specific rotation of sugar solution in different concentrations	Shimna Mohammed
PGATSPH009	AKSHAYA P S	B Sc Physics	1 Semester	Comparison between different brands of petrol	Satheesh N S
PGATSPH010	ANJALYKRISHNA A S	B Sc Physics	1 Semester	Comparison between different brands of petrol	Satheesh N S
PGATSPH011	ASHWANI SAJEEVAN	B Sc Physics	1 Semester	Crystal growth-growth of copper sulphate penta hydrate single crystal	Satheesh N S
PGATSPH012	ATHULYA SHAJAN	B Sc Physics	1 Semester	Crystal growth-growth of copper sulphate penta hydrate single crystal	Satheesh N S
PGATSPH013	SILPA V S	B Sc Physics	1 Semester	Polarimeter: specific rotation of sugar solution in different concentrations	Shimna Mohammed
PGATSPH014	ADHARSH E A	B Sc Physics	1 Semester	Comparison between different brands of petrol	Satheesh N S
PGATSPH015	AJAY SUKUMARAN	B Sc Physics	1 Semester	Polarimeter: specific rotation of sugar solution in different concentrations	Shimna Mohammed
PGATSPH016	ALEN BABU	B Sc Physics	1 Semester	Liquid lens: refractive index of different oils	Shimna Mohammed
PGATSPH017	DERIN DAVIS	B Sc Physics	1 Semester	Liquid lens: refractive index of different oils	Shimna Mohammed
PGATSPH018	SREEJITH K S	B Sc Physics	1 Semester	Liquid lens: refractive index of different oils	Shimna Mohammed
PGATSPH019	SURYADAS K B	B Sc Physics	1 Semester	Comparison between different brands of petrol	Satheesh N S
PGAUMPO002	ANILA ANTONY	MA Political Science	1 Semester	WOMEN AND ENVIRONMENT;A STUDY OF WOMEN'S ROLE IN ENVIRONMENTAL MOVEMENTS IN INDIA	SISA.SIVADASAN
PGAUMPO003	ASHNA M S	MA Political Science	1 Semester	SOCIAL REFORM MOVEMENTS IN KERALA	SREEJITH Y
PGAUMPO004	AYISHABEEVI M R	MA Political Science	1 Semester	INDIA'S ACT EAST POLICY AND ASEAN ;ANALYSIS	Dr.ANIL KUMAR P
PGAUMPO005	FASNA P	MA Political Science	1 Semester	CHANGING TRENDS IN INDIA -NEPAL RELATION	PRASANTH LAL T.S
PGAUMPO006	GOPIKA SANTHOSH	MA Political Science	1 Semester	RECENT ECOLOGICAL DISASTERS IN THE WESTERN GHATS OF KERALA	Dr.ANIL KUMAR P
PGAUMPO007	KRISHNAPRIYA K S	MA Political Science	1 Semester	HUMAN RIGHT VIOLATION AGAINST CHILDREN IN THE KERALA SOCIETY	SATHEESH KUMAR



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGAUMPO008	NAVEYA GEORGE	MA Political Science	1 Semester	EFFICIENCY OF GOVERNMENT EDUCATIONAL SCHEMES FOR THE SCHEDULED TRIBES;A CASE STUDY OF GOTHRA BANDHU SCHEME IN WAYANAD DISTRICT	SISA SIVADASAN
PGAUMPO010	RANJITHA T	MA Political Science	1 Semester	IMPACT OF COVID-19 PANDEMIC ON UNORGANISED SECTOR LABOURERS WITH SPECIAL REFERENCE TO MALAPPURAM DISTRICT	SREEJITH Y
PGAUMPO011	RASVEENA VIJAYAN	MA Political Science	1 Semester	INDIA'S ACT EAST POLICY ;THE CONTAINMENT OF CHINA IN INDO-PACIFIC AND SOUTH CHINA SEA	Dr.SATHEESH KUMAR P.K
PGAUMPO012	SANIGA SANTHOSH	MA Political Science	1 Semester	STRUGGLE FOR LAND TO LIVE;A CASE STUDY OF MUTHANGA STRUGGLE WITH SPECIAL REFERENCE TO ADIVASI GOTHRA MAHASABHA	TOBIO P D
PGAUMPO013	SHILPA C K	MA Political Science	1 Semester	SEXUAL MINORITY RIGHTS AND SAHAYATHRIKA.A CASE STUDY OF TRANSGENDER COMMUNITY IN KERALA WITH SPECIAL REFERENCE TO THRISSUR	ASHA CAROL ANTONY
PGAUMPO014	SNEHA K P	MA Political Science	1 Semester	LOCAL SELF GOVERNENCE AND POLICING;A CASE STUDY ON NADAPURAM GRAMAPANCHAYATH OF KOZHIKODE DISTRICT,KERALA	PRASANTH LAL T.S
PGAUMPO016	SUJITH K S	MA Political Science	1 Semester	EDUCATION STATUS OF SCHEDULED TRIBES IN KERALA;A CASE STUDY OF MALAYAN TRIBES IN RANDUKAI,THRISSUR DISTRICT	SURESH K
PGAUMPO018	VISHNU V SUNIL	MA Political Science	1 Semester	ASSESSMENT OF INTEGRATED CHILD DEVELOPMENT PROGRAMME IN KERALA;A CASE STUDY OF CHALAKUDY MUNICIPALITY OF THRISSUR DISTRICT	PRASANTH LAL T.S
PGAUMPO020	VYSHNAVI K	MA Political Science	1 Semester	SWAMI VIVEKANANDA AND RENAISSANCE;AN ANALYSIS ON THE ACTIVITIES OF RAMAKRISHNA MISSION,WITH SPECIAL REFERENCE TO KERALA	ASHA CAROL ANTONY
PGATAPOR01	BABITHA K B	BA Political Science	1 Semester	INDO-CHINA BORDER DISPUTE	Dr.ANIL KUMAR P
PGATAPOR02	GOPIKA GIRISH	BA Political Science	1 Semester	EMPOWERMENT OF DALITS AND ROLE OF DALIT MOVEMENTS IN KERALA	PRASANTH LAL T.S
PGATAPOR04	MEGHA V M	BA Political Science	1 Semester	MULTI-DIMENSIONAL ASPECTS OF INDIA-BHUTAN RELATIONS	Dr.SATHEESH KUMAR P.K



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAPOR06	MOHAMMED SAHIL P A	BA Political Science	1 Semester	A STUDY ON CASTE ATROCITIES ON DALIT COMMUNITY IN KERALA	JISHA ABRAHAM
PGATAPOR07	SARATH K S	BA Political Science	1 Semester	"COMMUNITY POLICING PROJECT IN KERALA A STUDY WITH SPECIAL REFERENCE TO JANAMAITHRI SURAKSHA PROJECT IN THE CHALAKUDY POLICE STATION LIMIT"	SREEJITH Y
PGATAPOR08	AKSHARA RAJAPPAN	BA Political Science	1 Semester	MADESHI ISSUE AND INDO-NEPAL RELATIONSHIP	SISA S
PGATAPOR09	ANAKA T	BA Political Science	1 Semester	ABROGATION OF ARTICLE 370 AND IT'S IMPACT	TOBIO P D
PGATAPOR10	ANEENA MATHEW K	BA Political Science	1 Semester	CHANGING TRENDS IN INDIA -JAPN RELATION	Dr.ANIL KUMAR P
PGATAPOR11	ANILA M A	BA Political Science	1 Semester	PUBLIC HEALTH SYSTEM AND LOCAL GOVERNMENTS IN KERALA:A CASE STUDY OF COVID 19 PREVENTIVE MEASURES IN ANNAMADA PANCHAYATH	PRASANTH LAL T.S
PGATAPOR12	ANUPRIYA K A	BA Political Science	1 Semester	ETHNICITY AND HUMAN RIGHT VIOLATIONS :THE CASE OF ROHINGYAS	Dr.SATHEESH KUMAR P.K
PGATAPOR13	APARNA ANIL	BA Political Science	1 Semester	HUMAN RIGHTS VIOLATIONS AND CHILD LABOUR IN KERALA:- A CASE STUDY OF ANGAMALY MUNICIPALITY	ASHA CAROL ANTONY
PGATAPOR14	APARNA BALAN	BA Political Science	1 Semester	A STUDY ON RUSSIA -UKRAINE CONFLICT:REASONS AND CHALLENGES	JISHA ABRAHAM
PGATAPOR15	ARYADAS T D	BA Political Science	1 Semester	THE ROLE OF MEDIA IN GENERATING PUBLIC OPINION	Dr.SATHEESH KUMAR P.K
PGATAPOR16	ARYANANDA P M	BA Political Science	1 Semester	INDO-PAK BORDER ISSUE :A SPECIAL REFERENCE TO KASHMIR	SREEJITH Y
PGATAPOR17	ATHIRA E A	BA Political Science	1 Semester	INDO-SRILANKA RELATION POST LITTE PERIOD	SISA S
PGATAPOR18	BISMI P B	BA Political Science	1 Semester	A STUDY ON PUNJAB LEGISLATIVE ASSEMBLY ELECTION	TOBIO P D
PGATAPOR19	JESNA P J	BA Political Science	1 Semester	TERRORISM IN AFGHANISTHAN AND US INTERVENTION	Dr.ANIL KUMAR P
PGATAPOR20	JESTEENA SHAJI	BA Political Science	1 Semester	HUMAN RIGHTS VIOLATION AMONG TRIBAL WOMAN IN KERALA WITH SPECIAL REFERENCE TO EDAMALAKUDY	PRASANTH LAL T.S
PGATAPOR21	JISHANA PARVIN K K	BA Political Science	1 Semester	TRANSGENDERS IN KERALA ISSUES AND CHALLENGES	Dr.SATHEESH KUMAR P.K



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAPOR22	JITHA K T	BA Political Science	1 Semester	INDIA AND UNO:PROSPECTS OF INDIA"S PERMANENT MEMBERSHIP IN UN SECURITY COUNCIL	ASHA CAROL ANTONY
PGATAPOR24	MILDA SUNIL	BA Political Science	1 Semester	BRITAIN AND EUROPEAN UNION:RELATIONS IN THE TIME OF BREXIT	SREEJITH Y
PGATAPOR25	MUSHAFIRA MOL K	BA Political Science	1 Semester	INDIA'S RELATIONSHIP WITH BANGLADESH AT MODI PERIOD	SISA .S
PGATAPOR27	NASREENA K K	BA Political Science	1 Semester	NUCLEAR NEIGHBOURHOOD AND INDIA'S SECURITY DILEMMA	Dr.ANIL KUMAR P
PGATAPOR28	NEENU MANOHARAN	BA Political Science	1 Semester	ADMINISTRATIVE EFFICIENCY AND E-GOVERNANCE A CASE STUDY OF KERALA;AKSHAYA PROJECT	PRASANTH LAL T.S
PGATAPOR29	PARVATHI K A	BA Political Science	1 Semester	A STUDY ON;NATIONAL COMMISION FOR PROTECTION OF CHILD RIGHTS	Dr.SATHEESH KUMAR P.K
PGATAPOR30	RADHIKA V K	BA Political Science	1 Semester	INDIAN DEMOCRACY AND COALITION POLITICS;A STUDY ON NATIONAL DEMOCRATIC ALLIANCE,SPANNING FROM 2014ONWARDS	ASHA CAROL ANTONY
PGATAPOR31	REVATHY JAGADHEESAN	BA Political Science	1 Semester	INDIA AND ISRAEL RELATIONSHIP DURING MODI PERIOD	JISHA ABRAHAM
PGATAPOR32	RINSHI REHNA P V	BA Political Science	1 Semester	ANALYSIS ON IMPACTS OF SOCIAL MEDIA;THE EXPERIENCE OF INDIAN POLITICS,	SREEJITH Y
PGATAPOR34	SNEHA SAHAJAN	BA Political Science	1 Semester	THE ROLE OF GOVERNOR IN THE CENTRE - STATE RELATIONS;ANALYSIS IN THE CONTEXT OF KERALA	Dr.ANIL KUMAR P
PGATAPOR35	SREEDEVI T V	BA Political Science	1 Semester	KUDUMBASHREE;PROMOTING THE SELF - HELP GROUP MODEL OF EMPOWERMENT THROUGH WOMEN ENTREPRENEURSHIP IN KERALA-A STUDY	PRASANTH LAL T.S
PGATAPOR36	SREELAKSHMI S	BA Political Science	1 Semester	HUMAN RIGHTS AND POLICING IN KERALA;CRITICAL STUDY OF POLICE ACCOUNTABILITY	Dr.SATHEESH KUMAR P.K
PGATAPOR37	SREESHA VIJAYAN	BA Political Science	1 Semester	COLLECTIVE SECURITY AND WORLD ORDER;AN ANALYSIS ON NATO	ASHA CAROL ANTONY
PGATAPOR39	UNNIMAYA ANIL	BA Political Science	1 Semester	INDO-RUSSIAN RELATIONS IN THE CONTEXT OF RUSSIA UKRAINE CONFLICT ;AN ANALYSIS	JISHA ABRAHAM
PGATAPOR40	VIDHYA AJI	BA Political Science	1 Semester	INDIA-INDONESIA RELATION ;DURING NARENDRA MODI GOVERNMENT	SREEJITH Y



Reg. No.	Name	Programme	Duration	Project Name	Name of Supervisor
PGATAPOR42	VIJI SOORYA P	BA Political Science	1 Semester	A STUDY ON CONSTITUTIONAL SAFEGUARDS FOR SCHEDULED CASTE AND SCHEDULED TRIBES	SISA .S
PGATAPOR44	AJITH THOMAS	BA Political Science	1 Semester	ENVIRONMENTAL MOVEMENTS IN KERALA.A CASE STUDY OF PLACHIMADA AGITATION IN PALAKKAD DISTRICT	Dr.ANIL KUMAR P
PGATAPOR45	AMAL T D	BA Political Science	1 Semester	SEA EROSION AND SOCIO-POLITICAL ISSUES OF AZHIKODE MUNAKKAL	PRASANTH LAL T.S
PGATAPOR47	ASWIN P A	BA Political Science	1 Semester	INDO-SRILANKA RELATIONS;A STUDY OF INDIAN INTERVENTION IN SRILANKAN ETHNIC CONFLICT DURING THE PERIOD OF RAJEEV GANDHI	ASHA CAROL ANTONY
PGATAPOR48	DEVADATHAN M	BA Political Science	1 Semester	SOCIO-POLITICAL DIMENSIONS OF JUVENILE JUSTICE ACT OF 2000;ANALYSIS	JISHA ABRAHAM
PGATAPOR49	GAUTHAM KRISHNA	BA Political Science	1 Semester	NATION AND NATIONALISM;A CRITICAL STUDY ON NATIONALISM DEBATING INDIA	SREEJITH Y
PGATAPOR53	MUHAMMED FAYIS B P	BA Political Science	1 Semester	INDO-NEPAL RELATIONS AFTER THE ESTABLISHMENT OF NEPAL DEMOCRACY IN 2008	TOBIO P D
PGATAPOR54	MUHAMMED HASEEB M C	BA Political Science	1 Semester	A CASE STUDY OF HUMAN RIGHTS VIOLATION OF MIGRANT WORKERS IN KERALA	PRASANTH LAL T.S
PGATAPOR55	MUHAMMED YASEEN K	BA Political Science	1 Semester	ISSUES AND CHALLENGES OF LGBT ; A HUMAN RIGHTS PERSPECTIVE	Dr.SATHEESH KUMAR P.K
PGATAPOR56	RAMESH K K	BA Political Science	1 Semester	HUMAN RIGHTS AND CUSTODIAL CRIME IN KERALA	ASHA CAROL ANTONY
PGATAPOR58	SHAIJITH K S	BA Political Science	1 Semester	TERRORIST ATTACKS IN INDIA;A SPECIAL REFERENCE TO PULWAMA ATTACK	SREEJITH Y




Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM001


Date:31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A Study on Customer Satisfaction towards Online Shopping during COVID 19 with Special Reference to Koratty Grama Panchayath' is a *bona-fide* record of original work done independently by Ms. AISWARYA SUNIL (Reg.No:PGAUMCM001) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Dr. Jojomon N A

Principal & Associate Professor of Commerce

  
Recommended for Submission:

Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner: .....

  
Dr. Rajitha Rajan





# Post Graduate & Research Department of Commerce

Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM002

Date: 31/03/2022

## CERTIFICATE


This is to certify that this Project Report entitled 'EFFECTIVENESS OF ADVERTISEMENT ON CONSUMER BUYING BEHAVIOUR TOWARDS NESTLÉ CHOCOLATES.' is a bona-fide record of original work done independently by **Ms.Amitha babu** (Reg.No:PGAUMCM002) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Dr. Girish MC

Head & Assistant Professor of Commerce

M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

  
Recommended for Submission

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M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner: .....

  
Rengitha Raveen





Post Graduate & Research Department of  
Commerce

Panampilly Memorial Government College,

Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No. PGAUMCM003

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A Study on Customer Perception towards Electric Vehicles in Kerala with Special Reference towards Thrissur District' is a bona-fide record of original work done independently by **Ms. Anila Poly (PGAUMCM003)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Dr. Sajikumar K.B**



Assistant Professor of Commerce

**Recommended for Submission:**

**Internal Examiner: .....**  
Dr. GIRI  
M.Com, B.Ed, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

1. Beulah  
2. Chull Ranjitha Rajeev  
cm/HRDP





POST GRADUATE&RESEARCH DEPARTMENT OF  
COMMERCE

PANAMPILLY MEMORIAL GOVERNMENT COLLEGE, POTTA,  
CHALAKUDY, 680722

Ref: M.Com/2022/Reg NO.PGARMCM004

Date: 31/03/2022


**CERTIFICATE**

This is to certify that the project "A STUDY ON BRAND PREFERENCE OF SPORTS GOODS AMONG YOUTH" by Ms. ANSHIFA H is a bonafide record of work done under my guidance and supervision in partial fulfillment of the requirement for the award of the degree of Master of Commerce. It is also certified that she has not copied from any other records of similar nature.

  
SINI G

Project Guide

Recommended for submission

  
31/3/2022  
(H.C.)

**Dr. GIRISH M.C.**

M.Com, BEd, Ph.D.

PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce

P M Government College,

Chalaky - 680 722

External Examiner

  
CHAKRA

  
Ranjitha R



**Post Graduate & Research Department of Commerce**

**Panampilly Memorial Government College,**

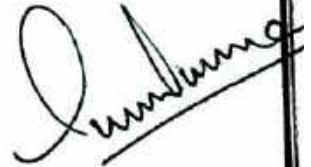
**Potta, Chalakudy, 680722**

Ref:M.com/2022/Reg.No.PGAUMCM005

Date:31/03/2022

**CERTIFICATE**

This is to certify that this project report entitled "The Effects of Covid-19 on Unorganized Vendors with special reference to Tourism Sector at Munnar Town" is a bone-fide record of original work done independently by Miss. ANUGRAHA J (Reg. No. PGAUMCM005), under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



Krishnakumar P G

Assistant Prof. of Commerce

  
31/3/2022

Recommendations for submission

**Dr. Gnanapriya**  
M.Com, B.Ed, Ph.D.

PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**Krishnakumar PG**

Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

Externals:

  
Rev. Fr. R. Raj  
Chalakudy




**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: M.Com/2022/Reg No .PGAUMCM006

Date:31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A Study on Awareness of Post Office Savings Schemes in Koratty Grama Panchayath' is a *bona-fide* record of original work done independently by Ms. ANU M A (Reg.No:PGAUMCM006) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**Asst. Prof. Motty Joseph**



Assistant Professor of Commerce

**Recommended for Submission:**

  
**Dr. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**External Examiner: .....**

1.  Renuka Raveen.  
2.  Chithra P





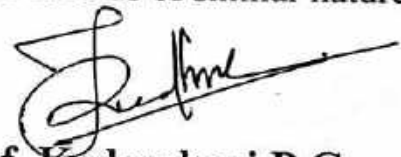
Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM007

Date:31/03/2022

**CERTIFICATE**

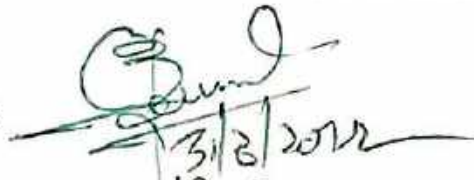
This is to certify that this Project Report entitled 'A STUDY ON PROBLEMS AND JOB SATISFACTION OF ANGANWADI WORKERS' is a *bona-fide* record of original work done independently by Ms. BIJITHA BIJU (Reg.No:PGAUMCM007) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



Asst. Prof. Kadambari P G

Assistant Professor of Commerce

Recommended for Submission:



Dr. GIRISH M.C.

M.Com, BEd, Ph.D.

PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner: .....



  
Rajin



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: M.Com/2022/Reg No .PGAUMCM008

Date: 31/03/2022

**CERTIFICATE**

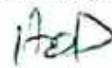
This is to certify that this Project Report entitled 'A STUDY ON THE CUSTOMER SATISFACTION TOWARDS PRADHAN MANTRI BHARATIYA JANAUSHADHI KENDRAS WITH SPECIAL REFERENCE TO MALA GRAMAPANCHAYAT' is a *bona-fide* record of original work done independently by Harsha Menon T (Reg.No:PGAUMCM008) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Prof. Sabu George**

Assistant Professor of Commerce

**Recommended for Submission:**



**Dr. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**External Examiner: .....**



2.   
CH-11/400 P



  
Ranjith R.





**POST GRADUATE & RESEARCH DEPARTMENT OF  
COMMERCE  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE,  
POTTA, CHALAKUDY, 680722**

Ref: M.Com/2022/Reg NO.PGAUMCM009

Date: 31/03/2022


**CERTIFICATE**

This is to certify that this Project Report entitled "A Study On Customer Perception Towards E-Wallets With Special Referance To Chalakkudy Muncipality" is a *bona-fide* record of original work done independently by **MS.LIPSY PAUL (Reg.No:PGAUMCM009)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**Dr. JOJOMON N A**

Principal & Associate Professor Of Commerce

Recommended for submission

  
**Dr. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakkudy - 680 722  
**External Examiner**



2.   
CHAMP

1.   
Rajitha Raji



**Post Graduate and Research Department of  
Commerce**

**Panampilly Memorial Government College,  
Potta, Chalakudy- 680722**

Ref:M.Com/2022/RegNo.PGAUMCM010

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A STUDY ON IMPACT OF CELEBRITY ENDORSEMENT ON CONSUMER BUYING BEHAVIOUR WITH SPECIAL PREFERENCE TO DAIRY MILK CHOCOLATES' is a *bona-fide* record of original work done independently by SHASMY K SHYLESH (Reg.No: PGAUMCM010) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



*[Signature]*  
31/3/2022  
Dr. Girish M C

Head & Assistant Professor of Commerce

*[Signature]*  
31/3/2022  
Recommended for Submission:

Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner:

*[Signature]*  
Ranjitha Rajan

*[Signature]*  
4/4/2022



**POST GRADUATE & RESEARCH DEPARTMENT OF  
COMMERCE**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE,  
POTTA, CHALAKUDY, 680722**

Ref: M.Com/2022/Reg NO.PGAUMCM011

Date: 31/03/2022

**CERTIFICATE**

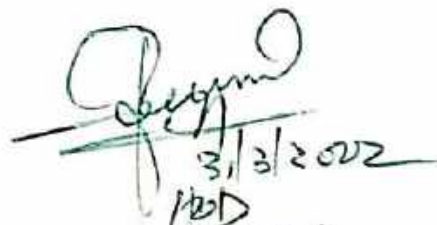
This is to certify that the project report "A STUDY ON CUSTOMERS PERCEPTION AND SATISFACTION TOWARDS FLIPKART" by Ms. POOJA PURUSHOTHAMAN (Reg No. PGAUMCM011) is a bona-fide record of work done under my guidance and supervision in partial fulfilment of the requirement for the award of the Degree of Master of Commerce. It is also certified that she has not copied from any other records of similar nature.



**Dr. SAJIKUMAR K B**

Project Guide

Recommended for Submission:



31/3/2022  
MBD

**Dr. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

Submits:



2. Remyth R  
CHITHIRAP

Remyth R





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**


Ref: M.Com/2022/Reg No. PGAUMCM012

Date: 31/03/2022

**CERTIFICATE**


This is to certify that this Project Report entitled '**A Study on Brand loyalty for Cosmetic products among Youth in Thrissur District**' is a bona-fide record of original work done independently by **Ms. RENEEJA P.R** (Reg.No:PGAUMCM012) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



  
**Asst. Prof. Sini G**

Assistant Professor of Commerce

**Recommended for Submission:**

  
**DR. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
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**External Examiner**

  
Rev. Fr. S. S. S.

  
Rev. Fr. S. S. S.



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM013

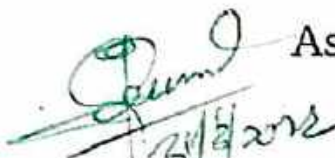
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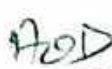
**CERTIFICATE**

This is to certify that this Project Report entitled 'A STUDY ON THE IMPACT OF VISUAL MERCHANDISING ON IMPULSE BUYING BEHAVIOR OF CUSTOMERS IN THRISSUR DISTRICT.' is a *bona-fide* record of original work done independently by **MS.RENUKA SUNDARAN** (Reg.No:PGAUMCM013) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**MOTY JOSEPH**

Assistant Professor of Commerce

  
**Recommended for Submission:**

  
**Dr. GIRISH M.C.**  
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Assistant Professor of Commerce  
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P M Government College,  
Chalakudy - 680 722

**External Examiner: .....**





Post Graduate & Research Department of  
Commerce

Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM014  
Date:31/03/2022

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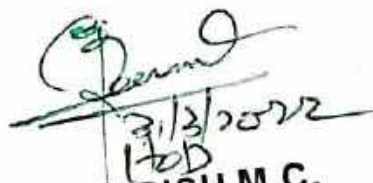
This is to certify that this Project Report entitled 'INFLUENCE OF ONLINE ADVERTISEMENT ON BUYING BEHAVIOUR AMONG YOUTH.' is a *bona-fide* record of original work done independently by **RINCY JOY** (Reg.No:PGAUMCM014) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Dr. SAJIKUMAR KB**

Assistant Professor of Commerce

Recommended for Submission:



31/3/2022  
HOB

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*Revised*  
*Revised*



CHITHRA P



Post Graduate & Research Department of Commerce  
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Potta, Chalakudy, 680722

Ref: M. Com/2022/Reg No. PGAUMCM015

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'CONSUMER ATTITUDE TOWARDS IMPULSIVE BUYING OF FMCG' is a bona-fide record of original work done independently by Mr. SAJAD O.A (Reg.No:PGAUMCM015) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.



**Kadambari P.G**

Assistant Professor of Commerce

Recommended for Submission

31/3/22 HOD  
**GIRISH M.C.**  
M.Com, BEd, Ph.D.  
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Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**External Examiner:**

Ravi Raveen

CHITRA A-P



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM016

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A Study on Beneficiaries Satisfaction Towards Indira Gandhi National Old Age Pension Scheme' is a *bona-fide* record of original work done independently by Ms. Sandra M S (Reg.No:PGAUMCM016) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

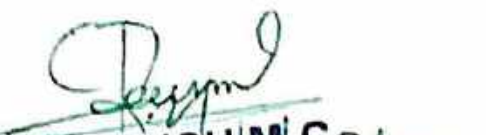


**Kadambari P G**

Assistant Professor of Commerce

Recommended for Submission:

*HOD*



**Dr. GIRISH M. G**  
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Assistant Professor of Commerce  
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P M Government College,  
Chalakudy - 680 722

External Examiner:

*Dr. Remya R*  
*Dr. Remya R*





**Post Graduate & Research Department of  
Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722**

Ref: M.com/2022/Reg. No. PGAUMCM018.

Date: 31/3/2022

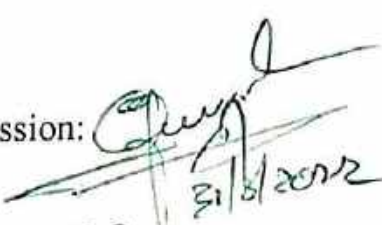
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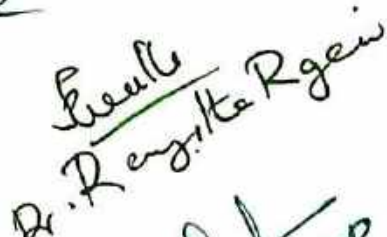
This is to certify that this project report entitled "A STUDY ON SATISFICATION OF MILMA PRODUCTS WITH SPECIAL REFERANCE TO PALLASSANA PANCHAYATH" is a bone-fide record of original work done independently by MISS. SAVITHA.C (Reg. No. PGAUMCM018), under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Sabu George

Assistant professor

Recommended for Submission:

  
31/3/2022  
Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

  
Dr. Rengita Rgein



  
CHITTARAJ P



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: M. Com/2022/Reg No. PGAUMCM019


Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'A STUDY ON THE SOCIAL PERCEPTION TOWARDS EDTECH'S AND VISUAL LEARNING BEFORE AND DURING COVID 19 PANDEMIC IN TRISSUR DISTRICT' is a *bona-fide* record of original work done independently by Shahana Hussain K (REG NO. PGAUMCM019), under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

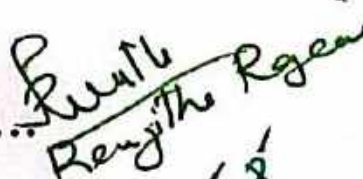
  
Dr. Girish MC 31/3/2022

Head & Assistant Professor of Commerce

  
Recommended for Submission: 31/3/2022

Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner: .....

  
Ranjith Rgeen  
31/3/2022



# Post Graduate and Research Department of Commerce

Panampilly Memorial Government College,

Potta,Chalaky-680722

Ref: M.Com/2022/Reg No.PGAUMCM020

Date: 31/03/2022

## CERTIFICATE

This is to certify that this Project Report entitled 'A STUDY ON CUSTOMER PERCEPTION TOWARDS FOOD DELIVERY APPLICATIONS DURING COVID-19.' is a *bona-fide* record of original work done independently by SHASMY K SHYLESH (Reg.No: PGAUMCM020) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

Dr. Girish M C

Head & Assistant Professor of Commerce

Recommended for Submission:

Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalaky - 680 722



External Examiner:

Rajitha Rajan  
CHITRA D



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No PGAUMCM021

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled 'CUSTOMER PERCEPTION AND SATISFACTION TOWARDS OTT PLATFORMS' is a *bona-fide* record of original work done independently by Ms.Shilpa C V (Reg.No:PGAUMCM021) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Dr. Sajikumar K B**

Assistant Professor of Commerce

Recommended for Submission:



  
31/3/2022  
**Dr. GIRISH M.C.**  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**External Examiner**

  
**Dr. Rajitha Rajew**  
  
C.H.H.K.P.





**Post Graduate and Research Department of  
Commerce**

**Panampilly Memorial Government College**

**Potta, Chalakudy, 680722**

Ref: M.Com/2022/Reg No.PGAUMCM022

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A STUDY ON ROLE OF AKSHAYA CENTRE IN PROVIDING E-GOVERNANCE WITH SPECIAL REFERENCE TO 10<sup>th</sup> WARD OF POYYA GRAMA PANCHAYATH" is a *bona-fide* record of original work done independently by Ms. SOORYA N S (Reg No: PGAUMCM022) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
SINI G

Assistant Professor of Commerce

Recommended for Submission:

  
Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
Panampilly Memorial Government College,  
Chalakudy, Potta

**External Examiner:**



  
Regilla Regi

  
CHITHRA P.




**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: M. Com/2022/Reg No .PGAUMCM023

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**An Analytical Study on Financial distress And Profitability of SBI and HDFC Bank**' is a bona-fide record of original work done independently by **Mr. SREEJITH V. T** (Reg.No:PGAUMCM023) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

  
31/3/2022

**Dr. Girish MC**

Head & Assistant Professor of Commerce  
Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**Recommended for Submission:**

  
21/3/2022  
Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973

Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

**External Examiner:**

  
Ranjitha Rajeev  
  
CHITHRA P





Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: M.Com/2022/Reg No .PGAUMCM024

Date: 31/03/2022

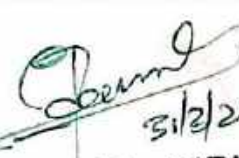
**CERTIFICATE**

This is to certify that this Project Report entitled “CUSTOMER SATISFACTION TOWARDS THE SERVICES OFFERED BY CHALAKUDY SERVICE COOPERATIVE BANK” is a *bona-fide* record of original work done independently by Ms. SURYA P R (Reg.No:PGAUMCM024) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

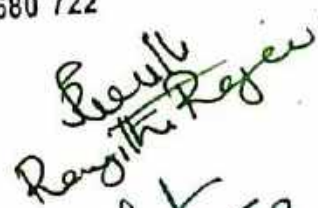
  
**MOTTY JOSEPH**

Assistant Professor of Commerce

Recommended for Submission:

  
31/2/2022  
Dr. GIRISH M.C.  
M.Com, BEd, Ph.D.  
PEN - 595973  
Assistant Professor of Commerce  
PG Research Department of Commerce  
P M Government College,  
Chalakudy - 680 722

External Examiner:

  
Ranjitha R. Raju  
CHALAKUDY





**Post Graduate & Research Department of Commerce**

**Panampilly Memorial Government College,**

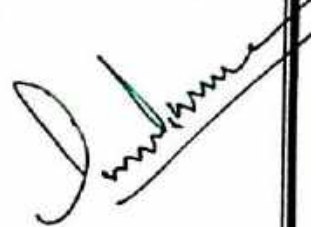
**Potta, Chalakudy, 680722**

Ref:M.com/2022/Reg.No.PGAUMCM025

Date:31/03/2022

**CERTIFICATE**

This is to certify that this project report entitled **Problems faced by ASHA Workers in Rural Kerala with special reference to Irimbiliyam & Athavanad Grama Panchayat** is a bona-fide record of original work done independently by Miss. Vismaya N(Reg. No. PGAUMCM025), under my supervision and guidance during the year 2022, in partial fulfillment of the requirements for the award of the degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



Krishnakumar P.G

Assistant professor



Dr. GIRISH M.C.

M.Com, B.Ed, Ph.D.  
PEN - 595973

Recommended for submission

Assistant Professor of Commerce  
PG Research Department of Commerce  
P. M. Government College,  
Chalakudy - 680 722  
External Examiner:

Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dist. Kerala





Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: R.Com/2022/Reg No. PGATBCM001


Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "**A Study on Customer Satisfaction of Airtel Customers in Thrissur District.**" is a *bona-fide* record of original work done independently by Ms. AGHILA K B (Reg.No:PGATBCM001) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Dr. Girish MC

Head & Assistant Professor of Commerce

  
Recommended for Submission:

PdP

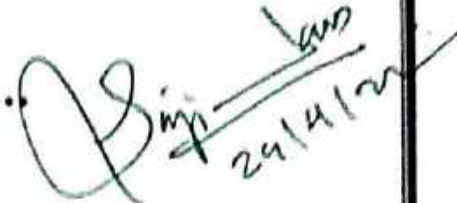
Dr. GIRISH M.C.

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy



Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

External Examiner: .....

  
29/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM002

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A STUDY ON THE CUSTOMER PERCEPTION TOWARDS DIGITAL PAYMENT SYSTEM'** is a *bona-fide* record of original work done independently by **Ms. Anjaly J Nair (Reg.No:PGATBCM002)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**Dr Girish M C**

Head & Assistant Professor of Commerce



**Recommended for Submission:**

  
**Dr GIRISH M.C.**

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**

  
29/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM003

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on Students awareness about e-learning apps among college students of Thrissur district" is a *bona-fide* record of original work done independently by **Ms. Anjana C.R** (Reg.No:PGATBCM003) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**Dr. Madhusoodanankartha**

Assistant Professor of Commerce

Dr. MADHUSOODANAN KARTHAN V  
PEN 384660  
Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722

**Recommended for Submission:**



**External Examiner: .....**

  
29/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM004 Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study On Online Shopping Among People Before and During Covid-19.-Special Reference To Ward-19, Mattathur Panchayat.** is a *bona-fide* record of original work done independently by **Ms.Aparna.K Ramachandran (Reg.No:PGATBCM004)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr Girish M C**

**GIRISH M.C.**

Assistant Professor of Commerce

Head and Assistant professor of commerce

Assistant professor of commerce



*Sini G*  
31/03/22

**External Examiner:**

*Sini G*



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM005

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study On Customer Attitude Towards Various Investment Avenues.** is a *bona-fide* record of original work done independently by **Ms.Archana M B (Reg.No:PGATBCM005)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

**Girish M C**

Head & Assistant Professor of Commerce



**Motty Joseph**

Assistant Professor of Commerce

**External Examiner: .....**

*[Signature]*



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
Potta, Chalakudy, 680722

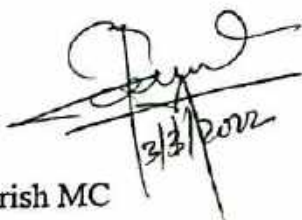
Ref: B.Com/2022/Reg.No.PGATBCM006

Date: 31-3-2022

**CERTIFICATE**

This is to certify that this Project report entitled "**A STUDY ON THE CONSUMER ATTITUDE TOWARDS ONLINE SHOPPING**" is a bona-fide record of original work done independently by Mrs. ASNA P S (Reg.No.PGATBCM006), under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other ref similar nature.

Recommended for Submission:



Dr. Girish MC  
HOD, PG & Research  
Dept. of Commerce



Krishnakumar PG  
Asst. Prof. Commerce



External Examiner

Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.





Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM007

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Customer Satisfaction and Preference towards Online Food Ordering Apps - special reference to Chalakudy Municipality.** is a *bona-fide* record of original work done independently by **Ms.Aswathy K A (PGATBCM007)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**KADAMBARI P G**

**Assistant Prof. Of Commerce Department**

**Kadambari PG**

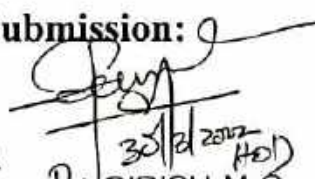
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

**Recommended for Submission:**

**Dr. Gireesh M C**

**HOD. PG & Research**

**Department of Commerce**

  
30/3/2022  
Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy



**External Examiner: .....**



**Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM008

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study On Customer Perception And Preferences Of Green Marketing-Special reference to Chalakudy Taluk .**' is a *bona-fide* record of original work done independently by **Ms. ATHIRA K.B** (Reg.No:PGATBCM008) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



  
**SABU GEORGE**

Assistant Professor of Commerce

**Recommended for Submission:**

**GIRISH M.C.**

**HEAD OF DEPARTMENT OF COMMERCE**

**External Examiner: .....**



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM009

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Employee Satisfaction at Sree Venkiteswara Aluminium Company Aloor.** is a *bona-fide* record of original work done independently by Ms. Dhiya P S (Reg.No: PGATBCM009) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Prof. Sini G.**

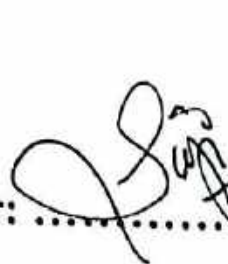


**Dr. Girish MC**

Head & Assistant Professor of Commerce

**Recommended for Submission:**

**External Examiner: .....**

  
30/4/2022



Post Graduate & Research Department of  
Commerce

Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM010

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study On Impact Of Stress On Employees Productivity At KLF Nirmal Industries(P) Ltd Irinjalakuda" is a *bona-fide* record of original work done independently by Ms.Elba Mendez (Reg.No:PGATBCM010) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Dr. Girish M.C.

Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**Recommended for Submission:**

  
Dr. GIRISH M.C.

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy



**External Examiner: .....**



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM011 Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled “ **A STUDY ON EMPLOYEE SATISFACTION IN SURAJ POLY SACKS, PERUMBI, KORATTY**” is a *bona-fide* record of original work done independently by **Ms.JISNA JOHNSON** (Reg.No:PGATBCM011), under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**

**Head & Assistant Professor of Commerce**



**Dr. Madhusoodanan kartha N V**

**Assistant professor of Commerce**

Dr. MADHUSOODANAN KARTHA N V  
PEN 38-1660  
Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722

**External Examiner**

*[Signature]*  
29/4/2022



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM013

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Customer Satisfaction of Himalaya Beauty Care products** is a *bona-fide* record of original work done independently by Ms.Nandini P S (PGATBCM013) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
Sini G

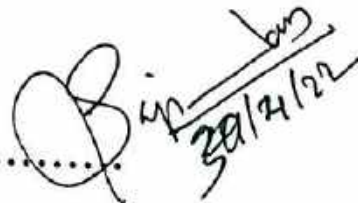
Prof. Of Commerce Department

**Recommended for Submission:**

**Dr. Gireesh M C**  
HOD. PG & Research  
Department of Commerce



External Examiner: .....

  
30/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No . PGATBCM014 Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A study on customer satisfaction of Varandarappilly Vanitha Co-Operative Society.** is a *bona-fide* record of original work done independently by **Ms.Sandra R Menon** (Reg.No: PGATBCM014) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



  
**Motty Joseph**

Assistant Professor of Commerce

**Recommended for Submission:**

**External Examiner: .....**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM015

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled “**Work life of kudumbasree members with special reference 16<sup>th</sup> ward of Mattathur grama panchayath**” is a *bona-fide* record of original work done independently by **Ms. Shafna A S** (Reg.No:PGATBCM015) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of <sup>Bachelor</sup> ~~Master~~ of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**

Head & Assistant Professor of Commerce

**Krishnakumar P G**

Assistant Professor of Commerce

Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

**External Examiner**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta,Chalaky,680722**

Ref:B.Com/2022/RegNo.PGATBCM016

Date:31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "**A Study on Customer Satisfaction towards Anand Milk Union Ltd (AMUL) products -special reference to ward 6 of Mattathur Panchayat**" is a *bona-fide* record of original work done independently by **Ms. Shahana.S (PGATBCM016)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

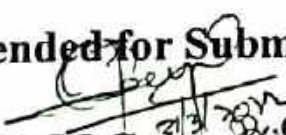


**KADAMBARI P G**

Assistant Prof. Of Commerce  
Kadambari PG

Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalaky, Thrissur Dt. Kerala.

**Recommended for Submission:**

  
**Dr. Girish M C**  
HOD. PG and Commerce  
Department of Commerce

**Dr. GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalaky



**External Examiner:.....**

 29/4/2022



Post Graduate & Research Department of  
Commerce

Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No PGATBCM017

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on customer satisfaction towards online payment system with special reference to ward 2 of koratty panchayath ." is a *bona-fide* record of original work done independently by Ms. SonaM. P(Reg.No:PGATBCM017) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**SABU GEORGE**

Assistant professor of commerce



**Dr. Girish MC** 31/3/2022

Head & Assistant Professor of Commerce

HOD

**Dr. GIRISH M.C.**

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**Recommended for Submission:**

**External Examiner:**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM018)  
31/03/2022

Date:

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Customers Attitude towards ATM and Internet Banking Services. - Special Reference to Irinjalakuda.** is a *bona-fide* record of original work done independently by Ms. **Theertha(Reg.No:PGATBCM018)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

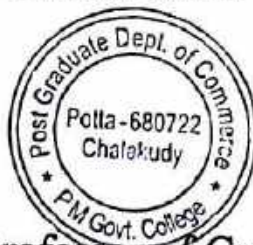
  
**Motty Joseph**

Assistant Professor of Commerce

**Recommended for Submission:**

**Dr. Girish MC**

Head & Assistant Professor of Commerce



**External Examiner:**





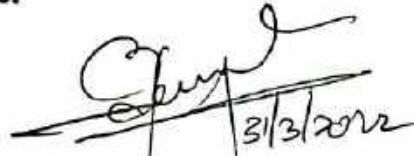
**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM019

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study On Paytm Services In Promoting Cashless Economy With Special Reference To Chalakudy City" is a *bona-fide* record of original work done independently by **ADARSH P** (Reg.No:PGATBCM019) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

  
31/3/2022


**Dr.Girish M C**

**Head & Assistant Professor of Commerce**

Dr.GIRISH M.C.

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**Recommended for Submission:**

  
31/3/2022  
HOD  
Dr.GIRISH M.C.

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy



**External Examiner: .....**

  
29/4/2022



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM020

Date: 31/03/2022


**CERTIFICATE**

This is to certify that this Project Report entitled "A Study On the impact of Covid 19 on Emigrants with Special Reference to Thrissur District" is a *bona-fide* record of original work done independently by **Jerin Joy (Reg.No:PGATBCM020)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

  
**Dr. MADHUSOODHANAN KARTHA**

**Assistant Professor of Commerce**

Dr. MADHUSOODHANAN KARTHA N V  
PEN 381660  
Assistant Professor of Commerce  
P.M Govt. College, Chalakudy  
Potta P O, 680 722

  
**Recommended for Submission:**

**Dr. Girish M C** / **GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy  
**Head of Department of Commerce**



**External Examiner: .....**

  
29/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM021  
31/03/2022

Date:

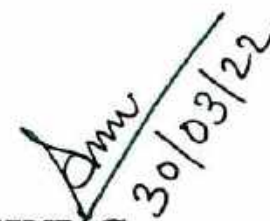
**CERTIFICATE**

This is to certify that this Project Report entitled **A Study On Consumer Preference Towards Different Brands Of Coffee With-Special reference to 26<sup>th</sup> Ward of Chalakudy Municipality.** is a *bona-fide* record of original work done independently by **Mr. JOHN VARGHESE (Reg.No:PGATBCM021)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**

**Head & Assistant Professor of Commerce**

  
**SINI. G.**

**Asst. Prof. of Commerce**

  
**External Examiner: .....**



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg.No. PGATBCM023

Date: 31/03/2022

**Certificate**

This is to certify that this Project Report entitled 'Customer Satisfaction of Reliance Jio Service among Youngsters in Thrissur District' is a *bona-fide* record of original work done independently by Mr. MELVIN PO (Reg.No:PGATBCM022), under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of the University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr Girish M C**



**Head of Assistant Professor of Commerce**

*Motty Joseph*  
**Motty Joseph**

**Asst. Prof. of Commerce**

**External Examiner:.....**

*[Signature]*  
**29/4/2022**



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM023

Date:31/3/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study of the Problems and Satisfaction of Lottery Vendors at Chalakudy Town.** Is a *bona-fide* record of original work done independently by **Mr. Mohamed Roshan P A** (Reg.No:PGATBCM023) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. GIRISH M C**

**Head of Department**



**External examiner**

*[Signature]*

**KRISHNAKUMAR PG**

**Asst Prof Commerce**

Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.



**Panampilly Memorial Government College,  
Potta, Chalakudy, 680722**

---

Ref: B.Com/2022/Reg No .PGATBCM024

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study on factors affecting the buying behavior of two wheeler consumers .**' is a *bona-fide* record of original work done independently by Mr.Pulikkal Shibu Adith Krishna (Reg.No:PGTBCM024) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.



**Asst. Prof. Kadambari P.G**



**Dr. Girish MC**

Head & Assistant Professor of Commerce

**Recommended for Submission:**

**External Examiner: .....**





Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No . PGATBCM026

Date:31/03/2022

**CERTIFICATE**

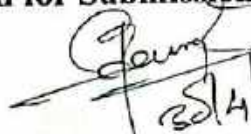
This is to certify that this Project Report entitled 'A Study on Awareness of E-Banking services Among college students.' is a *bona-fide* record of original work done independently by Mr. Sarath Shaji (Reg.No:PGATBCM026) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.



  
Dr. Girish MC 30/4/2022


Head & Assistant Professor of Commerce

**Recommended for Submission:**

  
30/4/2022

Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**

  
30/4/2022



# Post Graduate & Research Department of Commerce

**Panampilly Memorial Government College,  
Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No. PGATBCM027

Date: 31/03/2022

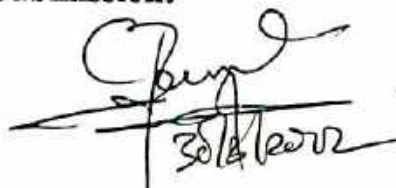
## CERTIFICATE

This is to certify that this Project Report entitled "A STUDY ON CUSTOMER SATISFACTION BASED ON ONLINESHOPPING WITH AMAZON IN NAYARANGADY PANCHAYATH" is a *bona-fide* record of original work done independently by Suraj Charles (Reg.No: PGATBCM027) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



  
**Dr. Girish MC**  
Head of Department

**Recommended for Submission:**



**External Examiner: .....**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM029 Date:29/04/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study on Financial Performance of CAP DRINKS Kumbidy**' is a *bona-fide* record of original work done independently by **Ms. Anupama Prasad (Reg.No:PGATBCM029)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.




**Prof. SINI G**

Department of Commerce



**Recommended for Submission:**

**External Examiner: .....**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM030

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study On Customer Satisfaction Towards Online Shopping Special Reference To Angamaly ' ,** is a *bona-fide* record of original work done independently by **APARNA SUKUMARAN(Reg.No:PGATBCM030)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**



Head & Assistant Professor of Commerce

**Motty Joseph**

Assistant Professor of Commerce

**External Examiner: .....**

*[Signature]*  
29/4/2022



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM032

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "**A study on customer satisfaction towards Meesho app Special Reference to Chalakudy Municipality**" is a *bona-fide* record of original work done independently by **Ms.Athulya Krishnan (Reg.No:PGATBCM032 )** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature:

**Recommended for Submission:**

**Girish M. C**

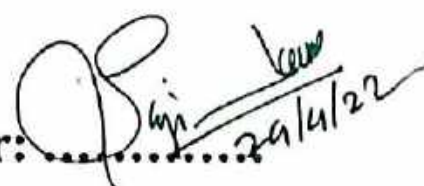
**Head & Assistant professor of commerce**



**Kadambari P. G**

**Assistant professor of commerce**

**External Examiner:**

 29/4/22



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No PGATBCM033

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A STUDY ON ROLE OF ADVERTISEMENT ON BUYING BEHAVIOUR OF COSMETIC PRODUCT AMONG WOMEN CONSUMERS WITH SPECIAL REFERENCE TO KODAKARA PANCHAYATH" is a *bona-fide* record of original work done independently by Ms. BIVISREE PB (Reg.No:PGATBCM033) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Master of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**SABU GEORGE**

Assistant professor of commerce



**Dr. Girish MC**

Head & Assistant Professor of Commerce

**Recommended for Submission:**

**External Examiner:**

*B. Girish MC*  
29/4/22



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM034

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A STUDY ON CUSTOMERSATISFACTION ON AKSHAYA CENTER'S SERVICES IN MATTATHUR GRAMAPANCHAYAT** is a *bona-fide* record of original work done independently by Ms. **GEETHU GOPI** (Reg.No:PGATBCM034) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**



**Dr. Girish M C**

**Head of Department of Commerce**

**Kadambari .P. G**

**Assistant Professor of Commerce**

**External Examiner:**



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM035

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study on the Financial Performance of HDFC Bank Ltd.**' is a *bona-fide* record of original work done independently by **Ms. JAFIN MARIE (Reg.No:PGATBCM035)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

*For HoD M.L.K.*  
*30/03/2022*

*[Signature]*  
**Dr. Girish MC**

**Head & Assistant Professor of Commerce**



**Dr. GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**Recommended for Submission:**

*HoD*  
**Dr. GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**

*[Signature]*  
*30/4/2022*



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM036

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **Influence of social media in creating consumer attitude on fast moving consumer goods.** is a *bona-fide* record of original work done independently by Ms.Megha K R (Reg.No:PGATBCM036) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

  
**Dr.MADHUSOODANAN KARTHA**

Head & Assistant Professor of Commerce

  
**Recommended for Submission:**

**Dr. GIRISH M.C.**

Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**Dr. MADHUSOODANAN KARTHA N V**  
PEN 384000  
Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722



**External Examiner:** 



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM037

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study On Brand Preference Towards Mobile Phones Among Youth In Annamanada Panchayat Ward Number VI.** is a bona-fide record of original work done independently by **Ms.Mehna fathima (Reg.No:PGATBCM037)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**Sini G**

**Assistant Professor of Commerce**

**Recommended for Submission:**



**External Examiner: .....**



20/4/2022



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM038

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on customer awareness about LIC Products among rural area of Meloor Gramapanchayath.** is a *bona-fide* record of original work done independently by SANDRA SHAJU (Reg.No:PGATBCM038) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

Dr.Girish MC

Head and Assistant Professor of Commerce



Motty Joseph

Assistant Professor

**External Examiner:** .....



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
Potta, Chalakudy, 680722

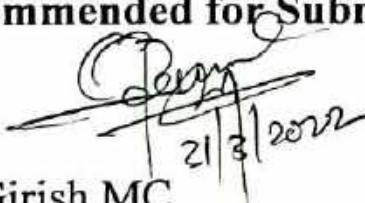
Ref: B.Com/2022/Reg No .PGATBCM039

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**ANALYSIS ON DEPOSITS SCHEMES IN KORATTY SERVICE CO-OPERATIVE BANK LTD. NO. 590.**' is a *bona-fide* record of original work done independently by **Mrs. SARANYA.M. S** (Reg.No:PGATBCM039) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of <sup>Bachelor</sup>~~Master~~ of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

  
Dr. Girish MC

HOD, PG & Research  
Department of Commerce

  
Krishnakumar P G

Assist. Prof. Commerce  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

  
External Examiner





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM040

Date: 31/03/2022

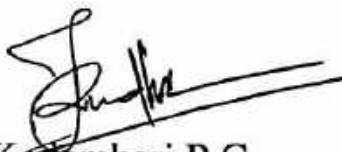
**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Problems faced by Working Women With Reference To Mala Town .'** is a *bona-fide* record of original work done independently by SARANYA P R(Reg.No:PGATBCM040) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

**Recommended for Submission:**

Dr.Girish MC

Head and Assistant Professor of Commerce

  
Kadambari P.G

Assistant Professor



**External Examiner: .....**

  
30/4/2022



**Post Graduate & Research Department of Commerce**

**Panampilly Memorial Government College, Potta**

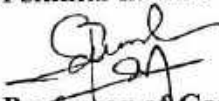
**Chalakudy – 2022**

Ref : B.Com/2022/Reg. NO. PGATBCM041

Date : 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A STUDY ON RECRUITMENT AND SELECTION PROCESS AT BIG BAZAAR" is a bona-fide record of original work done independently by SARANYA S. (Reg. NO. PGATBCM041) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.


  
**Head & Assistant Professor of Commerce**

31/3/2022  
**Dr. GIRISH M.C.**

**Recommended for submission**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

  
30/4/2022



  
**Sabu George**  
Asst. Professor



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM042 Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on problem faced by paddy cultivation with special reference to ward 12 of mattathur panchayath.** is a *bona-fide* record of original work done independently by **Ms. Subalakshmi. Santhosh** (Reg.No:PGATBCM042) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.

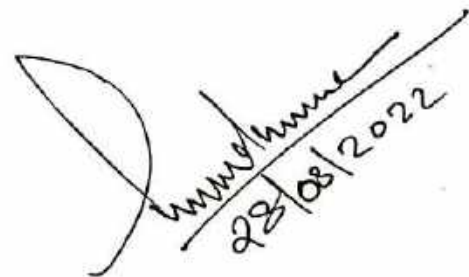
**Recommended for Submission:**



**Dr. Girish MC Krishnakumar. P. G**

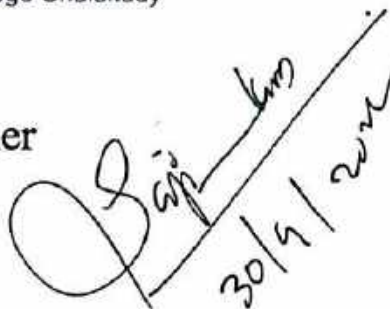
Head & Assistant Professor of Commerce Asst. Prof commerce

*Head*  
**GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy



**Krishnakumar PG**  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

**External Examiner**





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM043

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on customer satisfaction towards Patanjali Products** is a *bona-fide* record of original work done independently by **Abhinav jayan (Reg.No:PGATBCM043)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.


  
**Dr.Girish M. C**

Head & Assistant Professor of Commerce

**Recommended for Submission:**



**External Examiner: .....**

  
30/4/2022



PANAMBILLY MEMORIAL COLLEGE, POTTA CHALAKUDY-

2022

Post Graduate & Research Department of Commerce

Panampilly Memorial Government College,

Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM044

Date: 31/03/2022

### CERTIFICATE

This is to certify that this Project Report entitled **A STUDY ON THE JOB SATISFACTION AND ORGANISATIONAL COMMITMENT AMONG HIGHER SECONDARY SCHOOL TEACHERS IN KERALA WITH SPECIAL REFERENCE TO CHALAKUDY TOWN** is a *bona-fide* record of original work done independently by **Mr. Abhishek Vasu (Reg.No:PGATBCM044)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

  
MADHUSOODANAN KARTHA N.V

~~Head &~~ Assistant Professor of Commerce

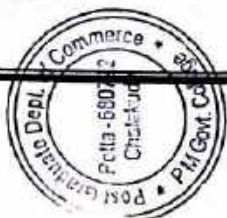
Dr. MADHUSOODANAN KARTHA N.V  
PEN 384660

Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722

  
Recommended for Submission:

**Dr. Girish M.C.** GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy  
Head of Department of Commerce

External Examiner: .....





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

---

Ref: B.Com/2022/Reg No .PGATBCM045

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled “**STUDY TO EVALUATE THE ROLE OF PUBLIC DISTRIBUTION SYSTEM IN CHALAKUDY MUNICIPALITY WITH SPECIAL REFERENCE TO WARD 28**” is a *bona-fide* record of original work done independently by **Mr. Abijith Babu (Reg.No:PGATBCM045)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission**

**Dr. Girish MC**

**Sini . G**

**Head & Assistant Professor of Commerce**

**Assistant Professor of Commerce**



**External Examiner: .....**

*Signature*  
30/4/22



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM046

Date:31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study on Online Food Delivery Platforms and their Social and Economic Impact-Special Reference to Kodassery Panchayath**' is a *bona-fide* record of original work done independently by **Mr.AJAS M. J (Reg.No:PGATBCM046)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

  
**Motty Joseph**  
31/03/2022

**Dr. Girish M.C**

Asst. Prof. of Commerce

**Head &Assistant Professor of Commerce**

**External Examiner: .....**







Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No.PGATBCM047

Date:31/3/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on the Empowerment of Dairy farmers – Special Reference to Parappukkara Panchayath Ward VIII" Is a *bona-fide* record of original work done independently by Mr. AKHIL M.L (Reg.No:PGATBCM047) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

Dr. Girish M C

Head of the Dept.



Krishnakumar P G

Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala

**External Examiner:.....**



# Post Graduate & Research Department of Commerce

Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM048

Date:31/03/2022

## CERTIFICATE

This is to certify that this Project Report entitled “A Study on Customer Satisfaction of BSNL Mobile services in Thrissur District” is a *bona-fide* record of original work done independently by Mr.Akshaynath V V (Reg.No:PGATBCM048) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.



**Kadambari P G**

Kadambari PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.



**Recommended for Submission:**

HOD

Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**





**Post Graduate and Research Department of  
Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722**

---

Ref: B.Com/2022/Reg No .PGATBCM049

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "**A Study on response towards Over The Top platform movie release among youth**" is a *bona-fide* record of original work done independently by **Mr. AMALKRISHNA M B (Reg.No:PGTSBCM049)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Sabu George**

**Assistant professor of commerce**

**Dr. Girish MC**

**Head & Assistant Professor of Commerce**

**Recommended for Submission:**



**Dr. GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner:.....**



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Re.g.No PGATBCM050

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on customer satisfaction towards samsung mobile phones" is a *bona-fide* record of original work done independently by Mr. Ananthu Ajayan (Reg.No:PGATBCM050) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

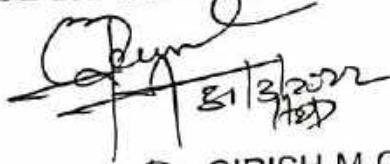


**Dr. Madhusoodanan Kartha N V**

Assistant Professor of Commerce

Dr. MADHUSOODANAN KARTHA N V  
PEN 384660  
Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722

**Recommended for Submission:**



Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**



30/4/2022





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM051

Date: 31/03/2022

**CERTIFICATE**

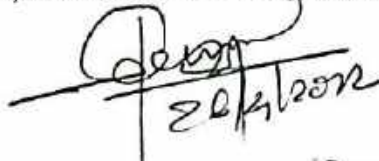
This is to certify that this Project Report entitled "**A Study on Customer Satisfaction of Royal Enfield in Thrissur District.**" is a *bona-fide* record of original work done independently by **Mr. Arun m p (Reg.No:PGATBCM051)** under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

  
**Dr. Madhusoodanan Kartha N V**

Assistant Professor of Commerce

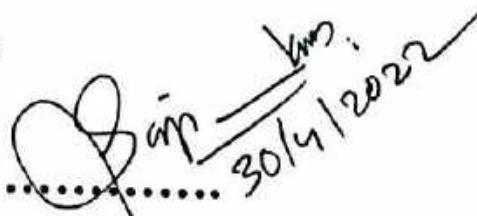
**Dr. MADHUSOODANAN KARTHA N V**  
PEN 384600  
Assistant Professor of Commerce  
P M Govt. College, Chalakudy  
Potta P O, 680 722

**Recommended for Submission:**

  
26/4/2022  
HOD

**Dr. GIRISH M.C.**  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**

  
30/4/2022





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM052

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study on Effectiveness of Sales Promotion on Consumer Behavior of MILMA Products with Special Reference to Chalakudy Municipality Ward 15 .**' is a *bona-fide* record of original work done independently by **Mr Deo Davis** (Reg.No:PGATBCM052) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

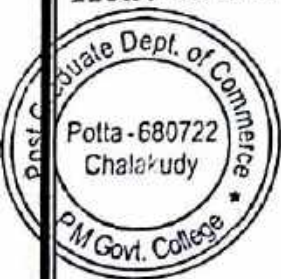
**Recommended for Submission:**

**Dr. Girish M C**

**Head & Assistant Professor of Commerce**

*Sini*  
*30/03/22*  
**Sini . G**

**Assistant Professor of Commerce**



**External Examiner: .....**

*Saji*  
*30/4/2022*



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM053)

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled **A Study on Customers Preference And Awareness on Digital payment system.-Special Reference to Kodungallur Municipality.** is a *bona-fide* record of original work done independently by Mr. Indrajith (Reg.No:PGATBCM053) under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**

Head & Assistant Professor of Commerce

**Motty Joseph**

Assistant Professor of Commerce



**External Examiner: .....**

*[Signature]*  
30/4/2022



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No.PGATBCM054 Date:31/3/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on service quality of agricultural welfare society with special reference to elinjiprals" is a *bona-fide* record of original work done independently by **Mr. JOSEPH BIJU** (Reg.No:PGATBCM054) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

  
Dr. Girish M C 30/4/2022

Krishnakumar P G

  
9/05/2022


Krishnakumar PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.

Head of the Dept.

Asst. Prof Commerce



**External Examiner:.....**

  
30/4/2022



Post Graduate & Research Department of Commerce  
Panampilly Memorial Government College,  
Potta, Chalakudy, 680722

Ref: B.Com/2022/Reg No .PGATBCM055

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled "A Study on Passengers Satisfaction Towards Public Transportation With reference to Private Buses in Kodakara Grama Panchayath." is a *bona-fide* record of original work done independently by Mr.SREERAG K S(Reg.No:PGATBCM055) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of bachelor of Commerce of University of Calicut. It is also certified that she has not copied from any other records of similar nature.



**KADAMBARI P G**



31/2/2022

Assistant Professor of Commerce

**Recommended for Submission:**

Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy

**External Examiner: .....**



30/4/2022





**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM056

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report A Study On Brand Preference Of Soft Drinks Among young Consumers In PARAPPUKKARA PANCHAYATH is a *bona-fide* record of original work done independently by Mr. VISAL K.S (Reg.No: PGATBCM056) under my supervision and guidance during the year 2022 in partial fulfilment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

  
**Dr.Girish M C**

**Head & Assistant Professor of Commerce**

Dr. GIRISH M.C.  
Assistant Professor of Commerce  
P.M. GOVT. College Chalakudy


  
**Kadambari P.G**

**Assistant Professor of Commerce**

Kadambari PG  
Assistant Professor of Commerce,  
Post Graduate Department of Commerce,  
Panampilly Memorial Government College  
Potta, 680722, Chalakudy, Thrissur Dt. Kerala.



**External Examiner:** .....

  
30/4/2022



**Post Graduate & Research Department of Commerce**  
**Panampilly Memorial Government College,**  
**Potta, Chalakudy, 680722**

Ref: B.Com/2022/Reg No .PGATBCM058)

Date: 31/03/2022

**CERTIFICATE**

This is to certify that this Project Report entitled '**A Study On Customers Satisfaction On VI Users.-special Reference To Kuzhur Panchayat.**' is a *bona-fide* record of original work done independently by **Mr. Vivek (Reg.No:PGATBCM058)** under my supervision and guidance during the year 2022 in partial fulfillment of the requirements for the award of the Degree of Bachelor of Commerce of University of Calicut. It is also certified that he has not copied from any other records of similar nature.

**Recommended for Submission:**

**Dr. Girish MC**

  
**Sabu George**

**Head & Assistant Professor of Commerce**

**Assistant Professor of Commerce**

  
**External Examiner: .....**

  
**30/6/2022**



**ORGANIC FARMING IN KERALA: A CASE STUDY OF  
CHALAKUDY BLOCK PANCHAYAT**

BY

**AISWARYA A.M**

**REG. NO. PGAUMEC001**

**YEAR 2020 – 2022**

**PROJECT REPORT**

SUBMITTED TO

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in partial fulfilment of the  
Requirements for The award degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY THRISSUR DISTRICT**



## CERTIFICATE

This is to certify that the project report entitled "ORGANIC FARMING IN KERALA: A CASE STUDY OF CHALAKUDY BLOCK PANCHAYAT" is bonafide work done by AISWARYA A.M ( PGAUMEC001 ) under my supervision and guidance during 2021 in partial fulfilment of the requirements for the Post Graduate Degree in Economics.

Place: Chalakudy

Date: 12-08-2022



Shinto M Kuriakose  
(Supervising Teacher)



Signature of HOD:





**STUDY ON FACTORS INFLUENCING THE PERFORMANCE OF  
ONLINE FOOD DELIVERY SERVICES AND THEIR SATISFACTION  
AMONG COLLEGE STUDENTS**

**BY**

**AKSHAYA ANILAN**

**REG NO: PGAUMEC002**

**YEAR 2022**

**PROJECT REPORT**

**Submitted to**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of  
the requirement for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**




## CERTIFICATE

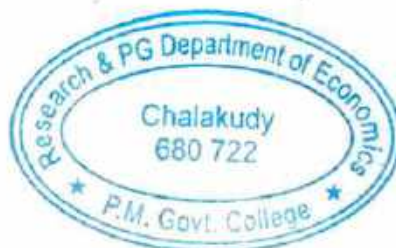
This is to certify that the project report entitled “**STUDY ON FACTORS INFLUENCING THE PERFORMANCE OF ONLINE FOOD DELIVERY SERVICES AND THEIR SATISFACTION AMONG COLLEGE STUDENTS**” is bonafide work done by **Mrs. AKSHAYA ANILAN (PGAUMEC002)** under my supervision and guidance during 2022 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: Chalakudy

Date: 11-08-2022

Sunilkumar   
(Supervising Teacher)

  
Signature of HOD:





**STUDY OF HEALTHCARE INSTITUTIONS IN PALAKKAD DISTRICT WITH  
SPECIAL REFERENCE TO KADPAZHIPURAM GRAMAPANCHAYATH**

**BY**

**AMRUTHA KS**

**REG NO PGAUMEC003**

**YEAR 2022**

**PROJECT REPORT**

**Submitted to**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the  
requirement for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKKUDY, THRISSUR**



## CERTIFICATE


This is certified that the project report entitled "STUDY OF HEALTHCARE INSTITUTIONS IN PALAKKAD DISTRICT WITH SPECIAL REFERENCE TO KADAMPAZHIPURAM GRAMAPANCHAYATH" is a bonafide work done by Mrs AMRUTHA S (PGAUMEC003) under my supervision and guidance during 2021-22 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: Chalakudy

Date: 10.8.2022



Smt. RATNAKUMARIK A  
(Supervising teacher)



Signature of HOD





**A STUDY ON HUMAN AND WILDLIFE CONFLICT IN  
THIRUNNELLI GRAMA PANCHAYAT**

BY

**ARATHI P R**

REG NO: PGAUMEC004

YEAR: 2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfillment of the  
requirement for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS PANAMPILLY MEMORIAL GOVERNMENT  
COLLEGE CHALAKUDY, THRISSUR DISTRICT**



## CERTIFICATE


This is to certify that the project report entitled "A STUDY ON HUMAN AND WILD LIFE CONFLICT IN THIRUNNELLI GRAMA PANCHAYAT" is a bonafide work done by **ARATHI P R (PGAUMEC004)** under my supervision and guidance during 2020-2022 in partial fulfillment of the requirement for the Post Graduation Degree in Economics.

Place: CHALAKUDY

  
Smt. ANJALI PRAKASH

Date: 2-8-2022

(Supervising teaching)

  
Signature of HOD





**AN ECONOMIC ANALYSIS OF CONSUMPTION PATTERN OF BPL FAMILIES  
IN KERALA: WITH SPECIAL REFERENCE TO AYILUR PANCHAYATH**

BY

ASWATHY U

REG NO: PGAUMEC005

YEAR: 2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the requirement  
for the award of degree of

**MASTER OF ARTS IN ECONOMIC**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**



## CERTIFICATE

This is to certify that the project report entitled "AN ECONOMIC ANALYSIS OF CONSUMPTION PATTERN OF BPL FAMILIES IN KERALA : WITH SPECIAL REFERENCE TO AYILUR PANCHAYATH" is a bonafide work done by MS. ASWATHY U (PGAUMEC005) under my supervision and guidance during 2021-2022 in partial fulfilment of the requirement for the Post Graduation Degree in Economics.

Place: CHALAKUDY

  
01.08.22  
THOMAS MATHEW

Date: 01 - 08 - 2022

(Supervising teacher)

  
Signature of HOD





**A CASE STUDY ON THE IMPACT OF EMERGENCE OF  
SHOPPING MALL ON RETAILERS IN NAATIKA GRAMA  
PANCHAYAT**

. BY

BLESSY POULOSE

REG. NO. PGAUMEC006

YEAR 2020 – 2022

**PROJECT REPORT**

SUBMITTED TO

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in  
partial fulfillment of the requirements for The award degree  
of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT**

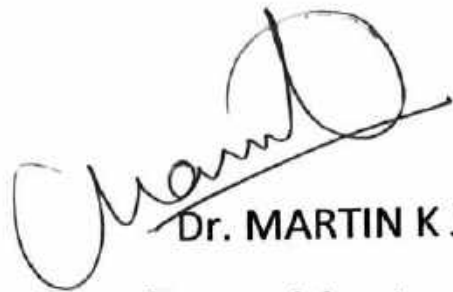


# CERTIFICATE

This is to certify that the project report entitled " A CASE STUDY ON THE IMPACT OF EMERGENCE OF SHOPPING MALL ON RETAILERSIN NAATIKA GRAMA PANCHAYAT" is bonafide work done by Mrs. BLESSY POULOSE ( PGAUMEC006 ) under my supervision and guidance during 2021 in partial fulfilment of the requirements for the post graduate Degree in Economics.

Place: CHALAKUDY

Date 02 - 08 - 2022



Dr. MARTIN K J

(Supervising teacher)



Signature of HOD





**AN ECONOMIC ANALYSIS ON THE EMPLOYMENT  
DISCRIMINATION OF LGBTQIA+ PEOPLE  
WITH SPECIAL REFERENCE TO ERNAKULAM DISTRICT**

BY

GANIYA GAFOOR

REG. NO PGAUMEC007

YEAR:2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in partial fulfilment of the  
requirement for the award of degree of  
**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, THRISSUR**




## CERTIFICATE

This is to certify that the project report entitled “AN ECONOMIC ANALYSIS ON THE EMPLOYMENT DISCRIMINATION OF LGBTQIA+ PEOPLE WITH SPECIAL REFERENCE TO ERNAKULAM DISTRICT” is a bonafide work done by Ms . GANIYA GAFOOR (PGAUMEC007) under my supervision and guidance during 2021-2022 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: CHALAKUDY

Date: 12-08-2022

  
Dr.SINITHA XAVIER  
(Supervising teacher)

  
Signature of HOD:





**RURAL DEVELOPMENT THROUGH ASHA-WORKERS  
WITH SPECIAL REFERENCE TO NOOLPUZHA  
GRAMA PANCHAYAT**

BY

**KAVYA M P**

REG NO: PGAUMEC008

YEAR: 2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the requirement  
for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS PANAMPILLY MEMORIAL  
GOVERNMENT COLLEGE CHALAKUDY, THRISSUR DISTRICT**



## **CERTIFICATE**

This is to certify that the project report entitled “RURAL DEVELOPMENT THROUGH ASHA WORKERS WITH SPECIAL REFERENCE TO NOOLPUZHA GRAMA PANCHAYAT” is a bonafide work done by KAVYA M P (PGAUMEC008) under my supervision and guidance during 2020-2022 in partial fulfilment of the requirement for the Post Graduation Degree in Economics.

Place: CHALAKUDY

Date: 02-08-2022



Sri. SHINTO M KURIAKOSE

(Supervising teaching)



Signature of HOD





**ECONOMIC CONTRIBUTION OF LIVESTOCK FARMING TO THE RURAL POOR:  
A CASE STUDY OF MALE BUFFALLO REARING SCHEME IN POLPPULLY  
GRAMA PANCHAYATH, PALAKKAD**

**BY**

**MAYA.P**

**REG. NO. PGAUMEC009**

**YEAR 2020 – 2022**

**PROJECT REPORT**

**SUBMITTED TO**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in partial  
fulfillment of the requirements for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT**



**Sri. SUNILKUMAR.M**

Assistant Professor in Economics

Chalakudy

PG Department of Economics

PM Government College

University of Calicut

## **CERTIFICATE**

This is to certify that the project report entitled "ECONOMIC CONTRIBUTION OF LIVESTOCK FARMING TO THE RURAL POOR: A CASE STUDY OF MALE BUFFALLO REARING SCHEME IN POLPPULLY GRAMA PANCHAYATH, PALAKKAD " is bonafide work done by mrs. MAYA.P ( PGAUMEC009 ) under my supervision and guidance during 2022 in partial fulfilment of the requirements for the post graduate Degree in Economics.


Place: Chalakudy

Date: 10/8/2022



**Sri.SUNILKUMAR.M**

(supervising teacher)



Signature of HOD





**A STUDY ON THE SATISFACTION OF ONLINE SHOPPING AMONG  
COLLEGE STUDENTS IN CHALAKUDY MUNICIPALITY**

**BY**

**MIDHILA VM**

**REG. NO PGAUMEC010**

**YEAR: 2022**

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfillment of the Requirement  
for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**



## CERTIFICATE


This is to certify that the project report "A STUDY ON THE SATISFACTION OF ONLINE SHOPPING AMONG COLLEGE STUDENTS IN CHALAKUDY MUNICIPALITY" is bonafide work done by **MIDHILA VM (PGAUMEC010)** under my supervision and guidance during 2022 in partial fulfillment of the requirement for the Post Graduate Degree in Economics.

Place: Chalakudy

✓   
**Smt. RATNAKUMARI K A**

Date: 10/8/2022

(Supervising teacher)

  
Signature of HOD





**A STUDY ON THE DIGITAL PAYMENT HABITS AMONG RURAL HOUSEHOLDS  
WITH SPECIAL REFERENCE TO EDAVANNA GRAMAPANCHAYATH**

**BY  
NASLI PP**

**REG. NO PGAUMEC011**

**YEAR: 2022**

**PROJECT REPORT**

**Submitted to**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the  
Requirement for the award of degree of  
MASTER OF ARTS IN ECONOMICS



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**



## CERTIFICATE


This is to certify that the project report **"A STUDY ON THE DIGITAL PAYMENT HABITS AMONG RURAL HOUSEHOLDS WITH SPECIAL REFERENCE TO EDAVANNA GRAMAPANCHAYATH"** is bonafide work done by NASLI PP (PGAUMEC011) under my supervision and guidance during 2022 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: Chalakudy

  
**Smt. ANJALI PRAKASH**

Date: 02-08-2022

(Supervising teacher)

  
Signature of HOD





# **INDEBTEDNESS OF FARMERS-A STUDY OF PERUVEMBA GRAMAPANCHAYATH**

BY

NITHYA K K

REG. NO PGAUMEC012

YEAR: 2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the

requirement for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**



Sri. Thomas Mathew

Assistant Professor in Economics

Chalaky

PG Department of Economics

PM Government College

University of Calicut


## CERTIFICATE

This is to certify that the project report entitled "INDEBTEDNESS OF FARMERS- A STUDY OF PERUVEMBA GRAMA PANCHAYATH" is bonafide work done by Mrs. NITHYA K K(PGAUMEC012) under my supervision and guidance during 2022 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: CHALAKUDY

  
Sri. THOMAS MATHEW

Date: 2-8-2022

  
Signature of HOD:





**ROLE OF PUBLIC DISTRIBUTION SYSTEM IN IMPROVING  
WELFARE OF DIFFERENT ECONOMIC CLASSES IN THE  
SOCIETY AFTER THE INTRODUCTION OF EPOS  
MACHINE- A CASE STUDY OF PARAPPUKARA GRAMA  
PANCHAYAT**

. BY  
POOJA V RAJAN  
REG. NO. PGAUMECO13  
YEAR 2020 – 2022

**PROJECT REPORT**

SUBMITTED TO  
**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in  
partial fulfillment of the requirements for The award degree of  
**MASTER OF ARTS IN ECONOMICS**

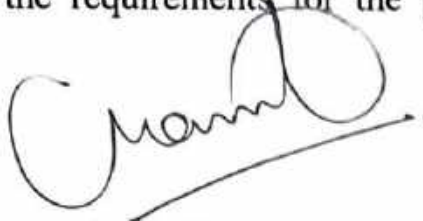


**DEPARTMENT OF ECONOMICS**  
**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**  
**CHALAKUDY THRISSUR DISTRICT**



# CERTIFICATE

This is to certify that the project report entitled " **ROLE OF PUBLIC DISTRIBUTION SYSTEM IN IMPROVING WELFARE OF DIFFERENT ECONOMIC CLASSES IN THE SOCIETY AFTER THE INTRODUCTION OF EPOS MACHINE – A CASE STUDY IN PARAPPUKARA GRAMA PANCHAYAT**" is bonafide work done by Mrs. POOJA V RAJAN( PGAUMECO13 ) under my supervision and guidance during 2021 in partial fulfilment of the requirements for the post graduate Degree in Economics.



Dr. MARTIN K J  
(Supervising teacher)

Place: CHALAKUDY

Date : 2.8.2022



Signature of HOD





**AN ANALYSIS OF THE PERFORATION OF E-BANKING IN RURAL AREA:  
A CASE STUDY OF CHOONDAL GRAMAPANCHAYATH**

BY

**PRAVEENA K.S**

**REG. NO PGAUMEC014**

**YEAR: 2022**

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut in partial fulfilment of the  
requirement for the award of degree of  
**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**  
**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**  
**CHALAKUDY, THRISSUR**



# CERTIFICATE

This is to certify that the project report entitled "**AN ANALYSIS OF THE PERFORATION OF E-BANKING IN RURAL AREA: A CASE STUDY CHOONDAL GRAMAPANCHAYATH**" is a bonafide work done by Ms . **Praveena K.S. (PGAUMEC014)** under my supervision and guidance during 2021-2022 in partial fulfilment of the requirement for the Post Graduate Degree in Economics.

Place: CHALAKUDY

Date: 2-08-2022



**Dr. SINITHA XAVIER**

(Supervising Teacher)



Signature of HOD:





**AN ECONOMIC ANALYSIS OF KOLE CULTIVATION IN  
THRISSUR**  
**WITH SPECIAL REFERRE TO ADAT GRAMA PANCHAYATH**

**. BY**

**REKHA RAMACHANDRAN**

**REG. NO. PGAUMECO15**

**YEAR 2020 – 2022**

**PROJECT REPORT**

**SUBMITTED TO**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut In partial fulfillment of the requirements for  
The award degree of

**MASTER OF ARTS IN ECONOMIC**



**DEPARTMENT OF ECONOMIC**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT**



Sri. Shinto M Kuriakose

Assistant Professor in Economics

Chalakydy

PG Department of Economics

PM Government College

University of Calicut

## CERTIFICATE

This is to certify that the project report entitled " AN ECONOMIC ANALYSIS OF KOLE CULTIVATION IN THRISSUR DISTRICT WITH SPECIAL REFERENCE TO ADAT GRAMA PANCHAYATH " is bonafide work done by mrs. REKHA RAMACHANDRAN ( PGAUMECO15 ) under my supervision and guidance during 2021 in partial fulfilment of the requirements for the post graduate Degree in Economic.

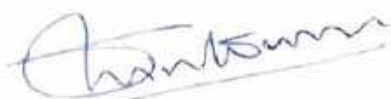
Place: Chalakydy

Date: 21/08/2022

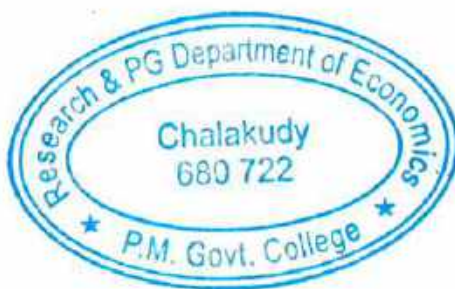


Sri. Shinto M Kuriakose

(supervising teacher)



Signature of HOD





**BENEFICIARY SATISFACTION TOWARDS THE COMMUNITY HOUSING  
SCHEMES IN KERALA: A CASE STUDY OF CENTRE- STATE IN  
KATAMPAZHIPURAM PANCHAYAT**

BY

SANDRA A R

REG NO: PGAUMEC016

YEAR: 2022

**PROJECT REPORT**

Submitted To

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the requirement  
for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKUDY, THRISSUR**



# CERTIFICATE


This is to certify that the project report entitled "**BENEFICIARY SATISFACTION TOWARDS THE COMMUNITY HOUSING SCHEMES IN KERALA: A CASE STUDY OF CENTRE- STATE IN KATAMPAZHIPURAM PANCHAYATH**" is a bonafide work done by **SANDRA A R (PGAUMEC016)** under my supervision and guidance during 2020-2022 in partial fulfilment of the requirement for the Post Graduation Degree in Economics.

Place: CHALAKUDY

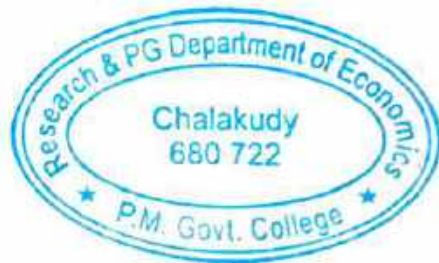
Date: 10/08/2022

Sri. SUNILKUMAR M

(Supervising teacher)



Signature of HOD





**A STUDY OF WOMEN LABOUR PROBLEMS IN TEA PLANTATION SECTOR:  
WITH SPECIAL REFERENCE TO PALAKKAD IN NELLIYAMPATHI REGION**

BY

SHEELA G

REG NO: PGAUMEC017

YEAR: 2022

**PROJECT REPORT**

Submitted To

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfilment of the requirement  
for the award of degree of

**MASTER OF ARTS IN ECONOMIC**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVT. COLLEGE CHALAKUDY, THRISSUR**



## CERTIFICATE

This is to certify that the project report entitled **"A STUDY OF WOMEN LABOUR PROBLEMS IN TEA PLANTATION SECTOR: WITH SPECIAL REFERENCE TO PALAKKAD IN NELLIAMPATHI REGION"** is a bonafide work done by **SHEELA G (PGAUMEC017)** under my supervision and guidance during 2020-2022 in partial fulfilment of the requirement for the Post Graduation Degree in Economics.

Place: CHALAKUDY

Date: 10. 08. 2022

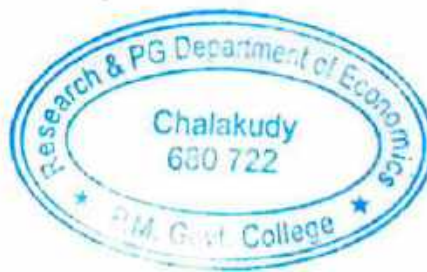


Smt. RATNAKUMARI K A

(Supervising teacher)



Signature of HOD





**PERFORMANCE OF ANGANWADI CENTRES UNDER ICDS REGARDING  
PRE-SCHOOL CHILDREN IN ATHIRAPPILLY GRAMAPANCHAYATH**

**BY**

**SIVALAKSHMI C V**

**REG. NO. PGAUMECO18**

**YEAR 2020 – 2022**

**PROJECT REPORT**

**SUBMITTED TO**

**. UNIVERSITY OF CALICUT**

The dissertation submitted to the university of Calicut In partial fulfilment of the  
requirements for The award degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT**



## CERTIFICATE

This is to certify that the project report entitled 'PERFORMANCE OF ANGAWADI CENTRES UNDER ICDS REGARDING PRE-SCHOOL CHILDREN IN ATHIRAPPILLY GRAMA PANCHAYATH' is bonafide work done by Mrs. SIVALAKSHMI C V ( PGAUMECO18 ) under my supervision and guidance during 2021 in partial fulfilment of the requirements for the post graduate Degree in Economics.

Place: Chalakudy

Date: 2/08/2022

  
Smt. ANJALI PRAKASH  
(Supervising Teacher)

  
Signature of HOD





**A STUDY ON IMPACTS OF INDUSTRIAL POLLUTION WITH  
SPECIAL REFERENCE TO NITA GELATIN COMPANY (**  
**KATHIKUDAM )**

**BY**

**SRUTHY K SURESH**

**REG. NO PGAUMEC019**

**YEAR: 2022**

**PROJECT REPORT**

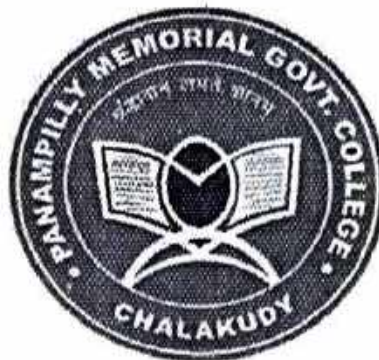
**Submitted to**

**UNIVERSITY OF CALICUT**

**The dissertation submitted to the University of Calicut in partial  
fulfilment of the**

**requirement for the award of degree of**

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**



## CERTIFICATE

This is to certify that project report entitled “ **A STUDY ON IMPACTS OF INDUSTRIAL POLUTION WITH SPECIAL REFERENCE TO NITA GELATIN COMPANY ( KATHIKUDAM )**” is bonafide work done by **MS.SRUTHY K SURESH ( PGAUMEC019)** under my supervision and guidance during 2021-22 in partial fulfillment of the requirement for the **Post Graduate Degree in Economics**

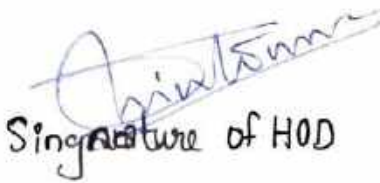
Place: CHALAKUDY

Date: 10-08-2022



THOMAS MATHEW

(Supervising teacher)



Signature of HOD





**DECLINE OF PADDY CULTIVATION – A CASE STUDY OF CHITTUR  
THATHAMANGALAM MUNICIPALITY**

**BY**

**SURYATHARA K N**

**REG. NO PGAUMEC020**

**YEAR 2020 – 2022**

**PROJECT REPORT**

**SUBMITTED TO**

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfillment of the  
requirements for the award of degree of

**MASTER OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT**



Dr. MARTIN K J

Assistant Professor in Economics

Chalaky

PG Department of Economics

PM Government College

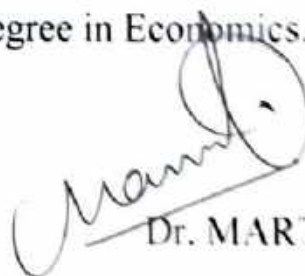
University of Calicut

### CERTIFICATE

This is to certify that the project report entitled "DECLINE OF PADDY CULTIVATION – A CASE STUDY OF CHITTUR THATHAMANGALAM MUNICIPALITY" is bonafide work done by Mrs. SURYATHARA K N ( PGAUMECO20 ) under my supervision and guidance during 2022 in partial fulfillment of the requirements for the post graduate Degree in Economics.

Place: Chalaky

Date: 2-08-2022



Dr. MARTIN K J

(supervising teacher)

  
Signature of HOD





**“A STUDY OF CONSUMER BEHAVIOUR ON FAST  
MOVING CONSUMER GOODS AMONG RURAL  
HOUSEHOLDS IN VELOOKARA GRAMA PANCHAYATH”**

**PROJECT REPORT**

**Submitted by partial fulfilment of the requirement of the degree  
of**

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

**Submitted by**

**Year : 2021**

**Under the guidance of**

**Smt. ANJALI PRAKASH**

**Assistant Professor of Economics**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE,**

**POTTA, CHALAKUDY**



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**Smt. ANJALI PRAKASH**

**ASSISTANT PROFESSOR**

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**PM GOVERNMENT COLLEGE**

**CHALAKUDY**

This is to certify that the project report “A STUDY OF CONSUMER BEHAVIOUR ON FAST MOVING CONSUMER GOODS (FMCGs) AMONG RURAL HOUSEHOLDS IN VELOOKKARA GRAMA PANCHAYATH” is a work done by Miss REMI K.L, ATHULYA T.M, NIMA MARY JOHNY, UNNIMAYA T.U under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of under graduate degree in Economics.

**Smt. ANJALI PRAKASH**

Place:CHALAKUDY

Date: 31/3/22

  
31/3/22.



# **THE EFFECT OF COVID-19 IN THE FOREIGN REMITTANCES OF EXPATRIATES IN THRISSUR DISTRICT**

BY

NANDHANA SUNIL ( PGATAECR09)

ANJANA T M (PGATAECR20)

MAYAMOL M K (PGATAECR31)

RAICHEL MATHEW (PGATAECR35)

AMAL CHANDHRAN (PGATAECR49)

## **PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfillment of the requirement for  
the award of degree of

**BACHELOR OF ARTS IN ECONOMICS**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY THRISSUR DISTRICT- 680722**



## CERTIFICATE

This is to certify that the dissertation entitled "**THE EFFECT OF COVID-19 IN THE FOREIGN REMITTANCES OF EXPATRIATES IN THRISSUR DISTRICT**", submitted to the Calicut university in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF ARTS IN ECONOMICS** is a record of original research work done by NANDHANA SUNIL, ANJANA T M, MAYAMOL M K, RAICHEL MATHEW, AMAL CHANDHRAN during the period of her study in the Department of Economics, Panampilly Memorial Government College, Chalakkudy, Thrissur, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree/Diploma of similar title to any candidate of any university.

Place: Thrissur

Date: 31/3/22

Signature of the Guide

Sri. SUNIL KUMAR



Sri. SHINTO M KURIAKOSE

Head of the Department of Economics

Panampilly Memorial Govt College, Chalakkudy

Thrissur-680722



**“LIVELIHOOD ISSUES OF CASHEW WORKERS A STUDY IN PULLUR PANCHAYAT”**

**PROJECT REPORT**

Submitted by partial fulfilment of the requirement of the degree of

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

Submitted by

**KRISHNAPRIYA (PGATAECR28)**

**ABITHA JENISH (PGATAECR17)**

**SHAHANA SHARIN (PGATAECR38)**

**ARCHA CHANDRAN (PGATAECR06)**

**ASIN SATHYAN (PGATAECR52)**

Year: 2022

Under the guidance of

**Sri. MARTIN K J**

Assistant professor of Economics



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**PANAMPILLY MEMORIAL COLLEGE,**

**POTTA, CHALAKUDY**



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**Sri. MARTIN K J**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF ECONOMICS**  
**PM GOVERNMENT COLLEGE**  
**CHALAKUDY**


This is to certify that the project report “**LIVELIHOOD ISSUES OF CASHEW WORKERS A STUDY IN PULLUR PANCHAYAT**” is a work done by Miss KRISHNAPRIYA, Miss ABITHA JENISH, Miss SHAHANA SHARIN, Miss ARCHA CHANDRAN, Mr ASIN SATHYAN under my supervision and guidance during 2022 impartial fulfilment of the requirements for the award of under graduate degree in Economics.



**Sri. MARTIN K J**

**Place: Chalakudy**

**Date: 31-03-2022**



31/3/22 .



**WOMEN EMPOWERMENT THROUGH KUDUMBASHREE; A  
STUDY OF MICRO ENTERPRISES RUN BY KUDUMBASHREE  
UNITS IN KODAKARA GRAMAPANCHAYATH**

BY

NITHA T.R (PGATAECR 34)

ANJU DAVIS (PGATAECR 21)

NIKHILA RAJESH (PGATAECR 10)

NIKHILA SUDHAN (PGATAECR 32)

AKSHAY ANAND (PGATAECR 48)

YEAR: 2022

**PROJECT REPORT**

Submitted to

**UNIVERSITY OF CALICUT**

The dissertation submitted to the University of Calicut in partial fulfillment of the

Requirement for the award of degree of

**BACHELOR OF ARTS IN ECONOMICS**

**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, THRISSUR DISTRICT**



K.A Ratnakumari  
Assistant Professor in Economics  
Chalakydy

PG Department of Economics  
PM Government College  
University of Calicut

## CERTIFICATE

This is to certify that the project entitled "**WOMEN ENTREPRENEURSHIP THROUGH KUDUMBASHREE; A STUDY OF MICRO ENTERPRISES RUNBY KUDUMBASHREE UNITS IN KODAKARA PANCHAYATH**" is bonafied work done by NITHA T.R, ANJU DAVIS, NIKHILA RAJESH NIKHILA SUDHAN, AKSHAY ANAND under my supervision and guidance during 2021 in partial fulfillment of the requirement for the Under Graduate Degree in Economics.

Place: Chalakydy

Date: 31-03-2022



K.A Ratnakumari

(Supervision Teacher)

Signature of HOD:   
31/3/22.

Signature of Principal:



# **“BENEFITS OF INTEGRATED CHILD DEVELOPMENT SCHEME TO ADOLESCENT GIRLS – AN EVALUATION”**

*Dissertation submitted to the University of Calicut in partial fulfillment of the requirements  
for the award of the Degree of*

**BACHELOR OF ARTS IN ECONOMICS**

**Submitted By**

**ANEESHA M JOY**

**(Reg.No. PGATAECR18)**

**ANURAG K MANOJ**

**(Reg.No. PGATAECR51)**

**JESLIYA A J**

**(Reg.No. PGATAECR07)**

**LAKSHMIPRIYA K R**

**(Reg.No. PGATAECR29)**

**SANDRA THOMAS**

**(Reg.No. PGATAECR37)**

**Under the guidance of**

**Dr. SINITHA XAVIER**



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY, KERALA**

**2019 – 2022**



# **CERTIFICATE**

This is to certify that this Project Report entitled "**BENEFITS OF INTEGRATED CHILD DEVELOPMENT SCHEME TO ADOLESCENT GIRLS – AN EVALUATION**" is a bona-fide record of original work done by **Aneesha M Joy, Anurag K Manoj, Jesliya A J, Lakshmipriya K R, Sandra Thomas** under my supervision and guidance during the year 2022 in the partial fulfillment of the requirements for the award of the Under Graduate Degree in Economics.



**Dr. Sinitha Xavier**

**Assistant Professor & Research Supervisor**

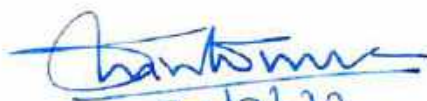
**Research Post Graduate**

**Department of Economics**

**P.M.Govt College, Chalakudy**

Place: Chalakudy

Date : 31/3/22

  
31/3/22.



# **SOCIO-ECONOMIC STATUS OF SALES-WOMEN IN CHALAKUDY MUNICIPALITY**

## **PROJECT REPORT**

Submitted in partial fulfilment of requirements for degree of

## **BACHELOR OF ARTS IN ECONOMICS**

### **UNIVERSITY OF CALICUT**

**Submitted by**

**KEERTHANA C R (PGATAECR08)**

**ANJALA K (PGATAECR19)**

**LIMI JOSE (PGATAECR30)**

**SABANA S (PGATAECR36)**

**ANANDHU KRISHNAN (PGATAECR50)**

**Year: 2022**

Under the guidance of

**Shinto M Kuriakose**

Assistant professor



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**

**CHALAKUDY**



## CERTIFICATE

This is certified that this project report titled "**SOCIO – ECONOMIC STATUS OF - WOMEN IN CHALAKUDY MUNICIPALITY**" submitted by KEERTHANA C.R (PGATAECR08), ANJALA K (PGATAECR19), LIMI JOSE (PGATAECR30), SABANA S (PGATAECR36) ANANDHU KRISHNAN (PGATAECR50) is a bonafide record of research work done by them under my guidance and supervision

Place: Chalakudy

Date: 31/3/22



SHINTOM KURIAKOSE

Assistant Professor

PM Govt. College Chalakudy



**“A STUDY ON THE SOCIO ECONOMIC STATUS OF PRIVATE  
BUS WORKERS IN CHALAKUDY”**

**PROJECT REPORT**

**Submitted in partial fulfillment of requirements of degree of**

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

**Submitted by**

**SYAMA SIVADASAN (PGATAECR42)**

**AMRUTHA P.S (PGATAECR02)**

**SUSHASREE P S (PGATAECR12) 13**

**DIYA SHAJU (PGATAECR24)**

**SHERIN SHAJU (PGATAECR57)**

**Under the guidance of**

**Sri. SUNIL KUMAR M**

**Assistant professor of Economics**



**POST GRADUATE DEPARTMENT OF ECONOMICS  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE, POTTA,  
CHALAKUDY 2022**



## CERTIFICATE

This is certify that this project report titled "A STUDY ON THE SOCIO ECONOMIC STATUS OF PRIVATE BUS WORKERS IN CHALAKUDY" is bonafide record of research work done by under my supervision and guidance during 2022 in partial fulfillment of the requirement for the award of the Under Graduate Degree in Economics.



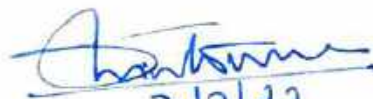
**Sri. Sunil Kumar M**

**Assistant Professor of Economics**

**P M Government College, Potta,**

**Place: Chalakudy**

**Date: 21/3/22**

  
21/3/22.



**"IMPLEMENTATION OF INTEGRATED CHILD DEVELOPMENT SCHEME IN  
KODASSERY"**

**PROJECT REPORT**

Submitted in partial fulfilment of the requirement of the degree of

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

Submitted by

SHIJA T K (PGATAECR12)

THASHREEFA C. S (PGATAECR44)

VISHAL KRISHNA K.B (PGATAECR58)

DEVAPRIYAM.P(PGATAECR23)

ADITHYAM.C(PGATAECR01)

Year: 2022

Under the guidance of

**Shinto M Kuriakose**

Assistant professor



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL COLLEGE**

**CHALAKUDY**



# CERTIFICATE

Shinto M Kuriakose  
Assistant Professor  
Department of Economics  
PM Government College  
Chalakydy

This is to certify that the project report **"IMPLEMENTATION OF INTEGRATED CHILD DEVELOPMENT SCHEME IN KODASSERY"** is a work done by SHIJA T K, THASHREEFA C.S,VISHAL KRISHNA KB, DEVAPRIYA MP and ADITHYA MC under my supervision and guidance during 2022 in partial fulfilment of the requirements for the award of under graduate degree in Economics.

  
31/3/22.  
Shinto M Kuriakose

Place: Chalakydy

Date: 31/3/22.



**“A STUDY ON THE HARITHA KARMA SENA IN CHALAKUDY  
MUNICIPALITY AREA”**

**PROJECT REPORT**

Submitted by partial fulfilment of the requirement of the degree of

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

Submitted by

**APARNA K P (PGATAECR05)**

**GOPIKA MOHAN (PGATAECR27)**

**SAYOOJ P S (PGATAECR16)**

**SNEHA T S (PGATAECR39)**

**MANU C B (PGATAECR53)**

**YEAR: 2022**

Under the guidance of

**Sri. THOMAS MATHEW**

Assistant professor of Economics



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL COLLEGE,**

**POTTA, CHALAKUDY**



## CERTIFICATE


**Sri. THOMAS MATHEW**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF ECONOMICS**  
**PM GOVERNMENT COLLEGE**  
**CHALAKUDY**

This is to certify that the project report “**A STUDY ON THE HARITHA KARMA SENA INCHALAKUDY MUNICIPALITY AREA**” is a work done by Miss APARNA K P, Mr. SAYOOJP S, Miss GOPIKA MOHAN, Miss SNEHA T S, Mr MANU C B under my supervision and guidance during 2022 impartial fulfilment of the requirements for the award of under graduate degree in Economics.

  
**Sri. THOMAS MATHEW**

**Place: Chalakudy**

**Date: 31-3-22**

  
**31/3/22.**



# **“SOCIO ECONOMIC STATUS OF SANITARY WORKERS A CASE STUDY IN CHALAKUDY MUNICIPALITY”**

## **PROJECT REPORT**

**Submitted in partial fulfillment of requirements of degree of**

**BACHELOR OF ARTS IN  
ECONOMICS UNIVERSITY OF  
CALICUT**

**Submitted**

**by**

**ANAMIKA RAJESH (PGATAECR03)**

**FARSANA BEEGUM K.A (PGATAECR25)**

**SHAMILA (PGATAECR56)**

**STIYA PAUL (PGATAECR41)**

**SUVIYA SURESH (PGATAECR14)**

**Under the guidance of**

**Smt. RATNAKUMARI K A**

**Assistant professor of Economics**



**POST GRADUATE DEPARTMENT OF ECONOMICS  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE,**

**POTTA, CHALAKUDY 2022**



## CERTIFICATE

This is certify that this project report titled "**SOCIO ECONOMIC STATUS OF SANITARY WORKERS A CASE STUDY IN CHALAKUDY MUNICIPALITY**" is bonafide record of research work done by under my supervision and guidance during 2022 in partial fulfillment of the requirement for the award of the Under Graduate Degree in Economics.




Smt. Ratna Kumari K.A

Assistant Professor of  
Economics

P M Government College, Potta,

Place: Chalakudy

Date: 31-3-22

  
31/3/22.



**“A STUDY ON CONSUMER'S ATTITUDE TOWARDS ONLINE SHOPPING  
AMONG RURAL HOUSEHOLD IN ALOOR PANCHAYAT”**

**PROJECT REPORT**

Submitted by partial fulfilment of the requirement of the degree of

**BACHELOR OF ARTS IN ECONOMICS**

**UNIVERSITY OF CALICUT**

Submitted by

ANFEYA P.S PGATAECR 04

VISHNUPRIYA K.U. PGATAECR15

SREELEKSHMI K.S PGATAECR40

PRAMAL PRASAD PGATAECR 54

FATHIMA NOORA PGATAECR26

Year : 2022

Under the guidance of

**Smt. ANJALI PRAKASH**

Assistant professor of Economics



**DEPARTMENT OF ECONOMICS**

**PANAMPILLY MEMORIAL COLLEGE,**

**POTTA, CHALAKUDY**



# CERTIFICATE



**Smt. ANJALI PRAKASH**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF ECONOMICS**  
**PM GOVERNMENT COLLEGE**  
**CHALAKUDY**

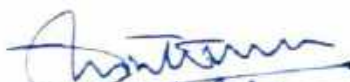
This is to certify that the project report **"A STUDY ON CONSUMER'S ATTITUDE TOWARDS ONLINE SHOPPING AMONG RURAL HOUSEHOLD IN ALOOR PANCHAYAT"** is a work done by Miss ANFEYA P.s,

Miss VISHNUPRIYA K.U, Miss SREELEKSHMI K.S, Mr. PRAMAL PRASAD, Miss FATHIMA NOORA under my supervision and guidance during 2022 impartial fulfilment of the requirements for the award of under graduate degree in Economics.

  
**Smt. ANJALI PRAKASH**

**Place: Chalakudy**

**Date:** 31/3/22

  
31/3/22.



**പരിസ്ഥിതി ദർശനം സമകാല  
നോവലിൽ: സാറാ ജോസഫിന്റെ  
'ബുധിനി' മുൻനിർത്തിയുള്ള പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**അഭിരാമി.വി.എം.  
രജി. നമ്പർ: PGAUMMA001**

*Voluntary  
Submission*

**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022**



ഡോ. രഞ്ജു രവി  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി അഭിരാമി.വി.എം. (രജി.നമ്പർ: PGAUMMA001) തയ്യാറാക്കിയ 'പരിസ്ഥിതി ദർശനം സമകാല നോവലിൽ: സാരാ ജോസഫിന്റെ 'ബുധിനി' മുൻനിർത്തിയുള്ള പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

*Ranjith Ravi*  
10/08/22

ഡോ. രഞ്ജു രവി



*Shilpa*  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



ആണെഴുത്തുകളിലെ സ്രീജീവിതാവിഷ്കാരം  
(തെരഞ്ഞെടുത്ത മലയാളചെറുകഥകളെ  
മുൻനിർത്തി ഒരു പഠനം)



ഐശ്വര്യ എൻ.എസ്.  
PGAUMMA002



*Valmiki*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി.  
ഓഗസ്റ്റ്, 2022



ഡോ.ജയകുമാർ എസ്. എസ്.,  
അസി.പ്രൊഫസർ,  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്,ചാലക്കുടി.

### സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ഐശ്വര്യ എൻ.എസ്. (രജി.നമ്പർ: PGAUMMA002) തയ്യാറാക്കിയ 'ആണെഴുത്തുകളിലെ സ്ത്രീജീവിതാവിഷ്കാരം(തെരഞ്ഞെടുത്ത മലയാളചെറുകഥകളെ മുൻനിർത്തി ഒരു പഠനം)' എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ ഭേദമായാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്



ഡോ.ജയകുമാർ എസ്. എസ്.

*[Handwritten signature]*  
10-08-2022

*[Handwritten signature]*  
വകുപ്പുകക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



മഹാമാരിയും മനുഷ്യജീവിതപ്രതിനിധാനവും  
(തെരഞ്ഞെടുത്ത മലയാളചെറുകഥകളെ മുൻനിർത്തിയുള്ള  
പഠനം)



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം.എ.മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം

അഖില ഉണ്ണി കെ.  
രജി.നമ്പർ: PGAUMMA003



*Valmiki*  
*Ward*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി.  
ഓഗസ്റ്റ്, 2022



ഡോ.ജയകുമാർ എസ്. എസ്.,  
അസി.പ്രൊഫസർ,  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്,ചാലക്കുടി.

### സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി അവില ഉണ്ണി കെ. (രജി.നമ്പർ: PGAUMMA003) തയ്യാറാക്കിയ 'മഹാമാരിയും മനുഷ്യജീവിതപ്രതിനിധാനവും (തെരഞ്ഞെടുത്ത മലയാളചെറുകഥകളെ മുൻനിർത്തിയുള്ള പഠനം)' എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്

  
10.8.2022  
ഡോ.ജയകുമാർ എസ്. എസ്.



  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



ഉത്തരാധുനിക സവിശേഷതകൾ  
റഫീക് അഹമ്മദിന്റെ കവിതകളിൽ  
(തെരഞ്ഞെടുത്ത രചനകളെ മുൻനിർത്തി  
ഒരു പഠനം)



അനഘ എം.ജെ.

PGAUMMA004



*Valmiki*

മലയാളവിഭാഗം

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി.

ഓഗസ്റ്റ്, 2022



ഡോ.ജയകുമാർ എസ്. എസ്.,  
അസി.പ്രൊഫസർ,  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്,ചാലക്കുടി.

### സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി അനലേ എം.ജെ. (രജി.നമ്പർ: PGAUMMA004) തയ്യാറാക്കിയ 'ഉത്തരാധുനിക സാമൂഹികതകൾ റഫീക് അഹമ്മദിന്റെ കവിതകളിൽ(തെരഞ്ഞെടുത്ത രചനകളെ മുൻനിർത്തി ഒരു പഠനം)' എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്



ഡോ.ജയകുമാർ എസ്. എസ്.

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



**കിഴാളതയുടെ പ്രതിനിധാനങ്ങൾ:  
കരിക്കോട്ടക്കരി, എരി എന്നീ  
നോവലുകൾ മുൻനിർത്തിയുള്ള പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**അനഘ അജികുമാർ  
രജി. നമ്പർ: PGAUMMA005**

*Valmiki*  
*Valmiki*

**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022**



ഡോ. സോമലാൽ ടി. എം  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി അനൗല അജികുമാർ (രജി.നമ്പർ: PGAUMMA005) തയ്യാറാക്കിയ 'കീഴാളതയുടെ പ്രതിനിധാനങ്ങൾ: കരിക്കോട്ടക്കരി, എരി എന്നീ നോവലുകൾ മുൻനിർത്തിയുള്ള പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

ഡോ. സോമലാൽ ടി. എം

**Dr. SOMALAL T.M**  
( PEN 867998 )  
Assistant Professor  
Dept. of Malayalam  
P.M.Govt College Chalakudy-680722

വകുപ്പധ്യക്ഷൻ/  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



# ‘ജൈവ’ത്തിലെ പരിസ്ഥിതി ദർശനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



അഞ്ജലി. സി.വി

രജി. നമ്പർ : **PGAUMMA006**

മലയാളം വിഭാഗം

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,

ജൂലൈ, 2022



ഡോ. ഷിജു. കെ

അസി. പ്രൊഫസർ

മലയാളവിഭാഗം,

പി.എം. ഗവ. കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി അഞ്ജലി സി.വി (രജി. നമ്പർ : PGAUMMA006) തയ്യാറാക്കിയ 'ജൈവ'ത്തിലെ പരിസ്ഥിതി ദർശനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,



  
ഡോ. ഷിജു. കെ

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



സ്ത്രീ അതിജീവനം സമകാലിക മലയാള സിനിമയിൽ;  
ഒരിക്കലും ഉണ്ടാകാത്ത മലയാള സിനിമകളെ മുൻനിർത്തിയുള്ള

പഠനം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം.എ. മലയാളം

ബിരുദത്തിനായി സമർപ്പിക്കുന്ന പ്രബന്ധം



അഞ്ജലി പി.എസ്.

രജി. നമ്പർ : PGAUMMA007

മലയാള വിഭാഗം

*Valu...*  
*V...*

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി

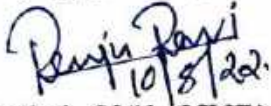
ജൂലായ് 2022



## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗിക പൂരണത്തിനായി അഞ്ജലി പി.എസ്. (രജി. നമ്പർ: PGAUMMA007) തയ്യാറാക്കിയ “സ്ത്രീ അതിജീവനം സമകാലിക മലയാള സിനിമകളിൽ തെരെഞ്ഞെടുത്ത മലയാള സിനിമകളെ മുൻനിർത്തിയുള്ള പഠനം” എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ജി. കോളേജ്

  
അസി. പ്രൊഫ. ഡോ. രജ്ഞു രവി



  
വകുപ്പുകക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



**അധികാര സങ്കല്പം 'കോ' എന്ന  
നോവലിൽ**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**അനുമോൾ ഡേവിസ്**

**രജി. നമ്പർ:PGAUMMA008**

*Valuvar*  
*Valluvar*

**മലയാളവിഭാഗം**

**പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,**

**ഓഗസ്റ്റ്, 2022**



ഡോ. രഞ്ജു രവി

അസി.പ്രൊഫസർ

മലയാളവിഭാഗം,

പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠന ഭാഗികപൂരണത്തിനായി അനുമോൾ ഡേവിസ് (രജി.നമ്പർ:PGAUMMA008) തയ്യാറാക്കിയ 'അധികാര സങ്കല്പം' 'കോ' എന്ന നോവലിൽ എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയപഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ. കോളേജ്

*Ranjith Ravi*  
10/8/22

ഡോ. രഞ്ജു രവി



*Shirish*

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



ജയിലനുഭവങ്ങൾ മലയാളസാഹിത്യത്തിൽ

'തക്കിഴങ്ങ്: എന്റെ ജയിൽജീവിതം'

മുൻനിർത്തി ഒരു പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം.എ. മലയാളം

ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



അശ്വതി കൃഷ്ണൻ .വി

രജി.നമ്പർ: PGAUMMA009

മലയാളവിഭാഗം

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ: കോളേജ്, ചാലക്കുടി

ജൂലൈ, 2022

*Valency*  
*V. Thejas*



## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളംബിരുദാനന്തര ബിരുദപഠനത്തിന്റെ ഭാഗിക പൂരണത്തിനായി അശ്വതി കൃഷ്ണൻ.വി (രജി.നമ്പർ PGAUMMA009) തയ്യാറാക്കിയ ജയിലനുഭവങ്ങൾ മലയാളസാഹിത്യത്തിൽ 'തക്കിജ: എന്റെ ജയിൽജീവിതം' മുൻനിർത്തി ഒരു പഠനംഎന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്



ഡോ. ഷിജു : കെ

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം

പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



# രണ്ടാമുഴത്തിലെ കമാപാത്രസൃഷ്ടി



ദേവിപ്രിയ എം.കെ.

PGAUMMA010



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മലയാളവിഭാഗം

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി.

ഓഗസ്റ്റ്, 2022



ഡോ.ജയകുമാർ എസ്. എസ്.,  
അസി.പ്രൊഫസർ,  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്,ചാലക്കുടി.

### സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ദേവിപ്രിയ എം.കെ. (രജി.നമ്പർ: PGAUMMA010) തയ്യാറാക്കിയ 'രണ്ടാമുഴത്തിലെ കഥാപാത്രസൃഷ്ടി' എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്

ഡോ.ജയകുമാർ എസ്. എസ്.



വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



**ഫുട്ബോൾ സംസ്കാരം : 'സുധാനി  
ഫ്രം നൈജീരിയ' എന്ന സിനിമയെ  
മുൻനിർത്തി ഒരു പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**ധനഞ്ജയൻ എം.**

**രജി. നമ്പർ: PGAUMMA011**

**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022**

*Handwritten signature and date '22'.*



ഡോ. ഷിജു കെ  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ധനഞ്ജയൻ എം. (രജി.നമ്പർ: PGAUMMA011) തയ്യാറാക്കിയ 'ഫുട്ബോൾ സംസ്കാരം : 'സുഡാനി ഫ്രം നൈജീരിയ' എന്ന സിനിമയെ മുൻനിർത്തി ഒരു പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.



പി.എം.ഗവ.കോളേജ്

ഡോ. ഷിജു കെ.  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



**‘പെൺയാത്രകളുടെ ആവിഷ്കാരം’  
മുദ്രിതയെ അടിസ്ഥാനമാക്കി ഒരു പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**

**ഹൗസിയ വി.എ**

**രജി. നമ്പർ : PGAUMMA012**



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**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്,  
ചാലക്കുടി,  
ഓഗസ്റ്റ്, 2022**



ഡോ. കൃഷ്ണ അരവിന്ദ്  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠന ഭാഗികപൂരണത്തിനായി ഫൗസി വി.എ (രജി.നമ്പർ: PGAUMMA012) തയ്യാറാക്കിയ 'പെൺയാത്രകളുടെ ആവിഷ്കാരം' മുദ്രിതയെ അടിസ്ഥാനമാക്കി ഒരു പഠനം എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയപഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ. കോളേജ്

10/8/22



ഡോ. കൃഷ്ണ അരവിന്ദ്

DR. KRISHNA ARAVIND  
( PEN 882307 )  
ASSISTANT PROFESSOR  
DEPT. OF MALAYALAM  
P.M. GOVT. COLLEGE, CHALAKUDY  
PIN-680722, KERALA

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



# അതിരപ്പിള്ളി പദ്ധതിയും സാഹിത്യ- സാംസ്കാരിക പ്രതിരോധവും



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



ഗ്രീഷ്മ പി. ബി.

രജി. നമ്പർ: PGAUMMA013

*Valmiki*  
*Vineetha*

മലയാളവിഭാഗം

പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,

ജൂലൈ, 2022



ഡോ. സോമലാൽ ടി. എം.  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ഗ്രീഷ്മ പി. ബി. (രജി. നമ്പർ: PGAUMMA013) തയ്യാറാക്കിയ 'അതിരപ്പിള്ളി പദ്ധതിയും സാഹിത്യ- സാംസ്കാരിക പ്രതിരോധവും' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,

  
10/08/2022  
ഡോ. സോമലാൽ ടി. എം.



Dr. SOMALAL T.M  
( PEN 867998 )  
Assistant Professor  
Dept. of Malayalam  
P.M.Govt College Chalakudy-680722

  
വകുപ്പുകുപ്പൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



ദലിത് സ്വത്വവും പ്രതിരോധവും  
'ദലിതനി'ൽ



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



കീർത്തി ഗോപി  
രജി. നമ്പർ: PGAUMMA014

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022

*Handwritten signature*



ഡോ. ഷിജു കെ.  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി കീർത്തി ഗോപി (രജി. നമ്പർ: PGAUMMA014) തയ്യാറാക്കിയ 'ദലിത് സ്വത്വവും പ്രതിരോധവും ദലിതനിൽ' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,



A handwritten signature in blue ink, appearing to read 'Shiju K.', with a horizontal line underneath.

ഡോ. ഷിജു കെ.  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



**ഗോത്രസംസ്കാരം മലയാളകവിതയിൽ  
- അശോകൻ മറയൂരിന്റെ 'പച്ചവട്'  
കവിതാസമാഹാരത്തെ മുൻനിർത്തി  
ഒരു പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**ലക്ഷ്മി എൻ.ബി  
രജി. നമ്പർ: PGAUMMA015**

**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022**

*Handwritten signature*



ഡോ. കൃഷ്ണ അരവിന്ദ്  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ലക്ഷ്മി എൻ.ബി (രജി.നമ്പർ: PGAUMMA015) തയ്യാറാക്കിയ 'ഗോത്രസംസ്കാരം മലയാളകവിതയിൽ - അശോകൻ മറയൂരിന്റെ 'പച്ചവട്' കവിതാസമാഹാരത്തെ മുൻനിർത്തി ഒരു പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

10/8/22



ഡോ. കൃഷ്ണ അരവിന്ദ്

**DR. KRISHNA ARAVIND**  
( PEN 882307 )  
ASSISTANT PROFESSOR  
DEPT. OF MALAYALAM  
P.M GOVT. COLLEGE, CHALAKUDY  
PIN-680722, KERALA

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



പുസ്തകവും നോവൽഭാവനയും: ലൈബ്രേറിയൻ,  
സുസന്നയുടെ ഗ്രന്ഥപ്പുര എന്നീ നോവലുകൾ  
ആസൂത്രമാക്കിയുള്ള പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



മുദ്രിത വർമ വി. എം.

രജി. നമ്പർ: PGAUMMA016

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. സോമലാൽ ടി. എം.  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി മുദ്രൽ വർമ വി. എം. (രജി. നമ്പർ: PGAUMMA016) തയ്യാറാക്കിയ ‘പുസ്തകവും നോവൽഭാവനയും: ലൈബ്രേറിയൻ, സുസന്നയുടെ ഗ്രന്ഥപ്പുര എന്ന് നോവലുകൾ ആസ്പദമാക്കിയുള്ള പഠനം’ എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്

  
ഡോ. സോമലാൽ ടി. എം.

Dr. SOMALAL T.M  
( PEN 867998 )  
Assistant Professor  
Dept. of Malayalam  
P.M.Govt College Chalakudy-680722



  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



സ്ത്രീ ജീവിതവിഷ്കാരം  
മലയാള നോവലിൽ:  
ബർസയെ മുൻനിർത്തിയുള്ള പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



മുഹീനാറിൻസി  
രജി. നമ്പർ: PGAUMMA017

*Valancy*  
*Minister*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. കൃഷ്ണ അരവിന്ദ്  
അസി.പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി മുഹീനാറിൻസി (രജി.നമ്പർ: PGAUMMA017) തയ്യാറാക്കിയ 'സ്ത്രീ ജീവിതാവിഷ്കാരം മലയാള നോവലിൽ: ബർസയെ മുൻനിർത്തിയുള്ള പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്, ചാലക്കുടി

10/8/22



ഡോ. കൃഷ്ണ അരവിന്ദ്

DR. KRISHNA ARAVIND  
( PEN 882307 )  
ASSISTANT PROFESSOR  
DEPT. OF MALAYALAM  
P.M. GOVT. COLLEGE, CHALAKUD  
PIN-680722, KERALA

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



നഗരാവിഷ്കരണം ടി. വി. കൊച്ചുബാവയുടെ  
കഥകളിൽ - തെരഞ്ഞെടുത്ത കഥകളെ  
അടിസ്ഥാനമാക്കി ഒരു പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



നിത്യ. പി

രജി. നമ്പർ: PGAUMMA018

*Valmiki*  
*V. Suresh*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. രഞ്ജു രവി  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,


## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി നിത്യ. പി (രജി. നമ്പർ: PGAUMMA018) തയ്യാറാക്കിയ 'നഗരാവിഷ്കരണം ടി. വി. കൊച്ചുബാവയുടെ കഥകളിൽ - തെരഞ്ഞെടുത്ത കഥകളെ അടിസ്ഥാനമാക്കി ഒരു പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,

ഡോ. രഞ്ജു രവി



  
വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി - 680722



ദേശത്തിന്റെ ആവിഷ്കാരം മലയാള  
നോവലിൽ- മീശ നോവലിനെ  
അടിസ്ഥാനമാക്കി ഒരു പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



രഹ്ന. നാസർ  
രജി. നമ്പർ: PGAUMMA019

*Valumy Vineetha*

മലയാളവിഭാഗം  
പുന്നിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. കൃഷ്ണ അരവിന്ദ്  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി രഹ്ന. നാസർ (രജി. നമ്പർ: PGAUMMA019) തയ്യാറാക്കിയ 'ദേശത്തിന്റെ ആവിഷ്കാരം മലയാള നോവലിൽ- മീശ നോവലിനെ അടിസ്ഥാനമാക്കി ഒരു പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,

10/8/22



ഡോ. കൃഷ്ണ അരവിന്ദ്

DR. KRISHNA ARAVIND  
( PEN 882307 )  
ASSISTANT PROFESSOR  
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വകുപ്പ് അദ്ധ്യക്ഷൻ,  
മലയാളവിഭാഗം,  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



**സ്ട്രീജീവിതം, തൊഴിലാളികൾ :  
'ബിരിയാണി' സിനിമയെ മുൻനിർത്തിയുള്ള പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ ലയതാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**രണ്ട് രാജ് കെ. പി  
ജി. നമ്പർ: PGAUMMA020**

**ലയതാളവിഭാഗം  
പഠനത്തിന്റെ ക്ലാസ്സിൽ തവ. കോളേജ്, ചാലക്കുടി  
ജൂലൈ, 2022**



ഡോ : രഞ്ജു രവി

അസി. പ്രൊഫസർ

മലയാളവിഭാഗം ,

പി. എം. ജി. കോളേജ്

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദപഠനത്തിന്റെ ഭാഗികപുരണത്തിനായി രേ്ന രാജ് കെ.പി. (രജി. നമ്പർ: PGAUMMA020) തയ്യാറാക്കിയ 'സ്ത്രീജീവിതം, മതാധികാരം' ബിരിയാണി 'സിനിമയെ മുൻ നിർത്തിയുള്ള പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ ഭേദമായാണ് സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ജി കോളേജ്



ഡോ : രഞ്ജു രവി



വകുപ്പുതല  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
മാലപ്പുറം - 680722





ഹാസ്യരംഗ ചിത്രീകരണത്തിലെ സ്ട്രീ  
വിരുദ്ധത: തിരഞ്ഞെടുത്ത മലയാള  
സിനിമകളെ മുൻനിർത്തിയുള്ള പഠനം.



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



സാമ്ര. കെ. കെ.  
രജി. നമ്പർ: PGAUMMA021

*Handwritten signature in blue ink.*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. ഷിജു കെ.

അസി. പ്രൊഫസർ

മലയാളവിഭാഗം,

പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി സാദ്ര. കെ. കെ. (രജി. നമ്പർ: PGAUMMA021) തയ്യാറാക്കിയ 'ഹാസ്യരംഗ ചിത്രീകരണത്തിലെ സ്ത്രീ വിരുദ്ധത: തിരഞ്ഞെടുത്ത മലയാള സിനിമകളെ മുൻനിർത്തിയുള്ള പഠനം.' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,

  
ഡോ. ഷിജു കെ.



വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



പുഴബിംബം പി.കുഞ്ഞിരാമൻനായരുടെ കവിതകളിൽ  
(തെരഞ്ഞെടുത്ത കവിതകളെ മുൻനിർത്തി ഒരുപാഠം)



സ്മിജ എ.ബി.  
PGAUMMA022



*Handwritten signature in blue ink.*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ.കോളേജ്, ചാലക്കുടി.  
ഓഗസ്റ്റ്, 2022



ഡോ.ജയകുമാർ എസ്. എസ്.,  
അസി.പ്രൊഫസർ,  
മലയാളവിഭാഗം,  
പി.എം.ഗവ.കോളേജ്,ചാലക്കുടി.

### സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി സിജി എ.ബി. (രജി.നമ്പർ: PGAUMMA022) തയ്യാറാക്കിയ 'പുഴബിംബം പി.കുഞ്ഞിരാമൻ നായരുടെ കവിതകളിൽ (തെരഞ്ഞെടുത്ത കവിതകളെ മുൻനിർത്തി ഒരുപഠനം) എന്ന പ്രബന്ധം എന്റെ മാർഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി.എം.ഗവ.കോളേജ്

ഡോ.ജയകുമാർ എസ്. എസ്.



വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



ദളിത് സ്ത്രീയുടെ ആത്മകഥനം:  
ആ നെല്ലിമരം പുല്ലാണ് ആസ്പദമാക്കിയുള്ള  
പഠനം



കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം



ശ്രീലക്ഷ്മി കെ. എസ്.

രജി. നമ്പർ: PGAUMMA023

*Handwritten signature*

മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022



ഡോ. സോമലാൽ ടി. എം.  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി ശ്രീലക്ഷ്മി കെ. എസ്. (രജി. നമ്പർ: PGAUMMA023) തയ്യാറാക്കിയ ‘ഭളിത് സ്ത്രീയുടെ ആത്മകഥനം: ആ നെല്ലി മരം പുല്ലാണ് ആസ്വദമാക്കിയുള്ള പഠനം’ എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,

ഡോ. സോമലാൽ ടി. എം.



Dr. SOMALAL T.M  
( PEN 867998 )  
Assistant Professor  
Dept. of Malayalam  
M. Govt College Chalakudy-680722

വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



**സയൻസ് ഫിക്ഷൻ സങ്കേതങ്ങൾ:  
'ഐസ് -196°C' എന്ന നോവലിനെ  
മുൻനിർത്തിയുള്ള പഠനം**



**കോഴിക്കോട് സർവ്വകലാശാലയിൽ എം. എ. മലയാളം  
ബിരുദത്തിന് സമർപ്പിക്കുന്ന പ്രബന്ധം**



**വിഷ്ണുപ്രിയ വി. എം  
രജി. നമ്പർ: PGAUMMA024**

**മലയാളവിഭാഗം  
പനമ്പിള്ളി മെമ്മോറിയൽ ഗവ. കോളേജ്, ചാലക്കുടി,  
ജൂലൈ, 2022**



ഡോ. സോമലാൽ ടി. എം.  
അസി. പ്രൊഫസർ  
മലയാളവിഭാഗം,  
പി. എം. ഗവ. കോളേജ്, ചാലക്കുടി,

## സാക്ഷ്യപത്രം

കോഴിക്കോട് സർവ്വകലാശാലയിൽ മലയാളം ബിരുദാനന്തരബിരുദ പഠനത്തിന്റെ ഭാഗികപൂരണത്തിനായി വിഷ്ണുപ്രിയ വി. എം (രജി. നമ്പർ: PGAUMMA024) തയ്യാറാക്കിയ "സയൻസ് ഫിക്ഷൻ സങ്കേതങ്ങൾ: ഐസ് - 196°C എന്ന നോവലിനെ മുൻനിർത്തിയുള്ള പഠനം' എന്ന പ്രബന്ധം എന്റെ മാർഗ്ഗനിർദ്ദേശത്തിൽ നടത്തിയ പഠനത്തിന്റെ രേഖയാണെന്നു സാക്ഷ്യപ്പെടുത്തുന്നു.

പി. എം. ഗവ. കോളേജ്,



  
ഡോ. സോമലാൽ ടി. എം.

**Dr. SOMALAL T.M**  
( PEN 867998 )  
Assistant Professor  
Dept. of Malayalam  
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വകുപ്പധ്യക്ഷൻ  
മലയാളവിഭാഗം  
പി.എം. ഗവ. കോളേജ്  
ചാലക്കുടി-680722



# **CONTINUITY WITH RESPECT TO SOME SPECIAL TOPOLOGIES ON $\mathbb{R}$**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

by

**ANAGHA K S**

**Reg. No: PGATSMT001**

**2019-2022**

**Under the supervision of**

**ALBERT ANTONY**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "CONTINUITY WITH RESPECT TO SOME SPECIAL TOPOLOGIES ON  $\mathbb{R}$ " submitted by ANAGHA K S (PGATSMT001) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

  
30/3/2022


ALBERT ANTONY  
Assistant professor  
PMGC Chalakudy



Dr. JEEBAMOL J PALATHINGAL  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date: 30-03-2022

External Examiner:

  
Akhil Damodhan  
Asst. Prof  
Dept of Mathematics  
SVNS College  
Wadakkancherry





**STUDY ON  
FORMAL LANGUAGES AND AUTOMATA**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirement  
for the award of the degree of  
**Bachelor of Mathematics**

By

**DONA VARGHESE**

Reg. No. : PGATSMT002

2019-2022

Under the supervision of

**Magi .P.M**

Assistant professor



**DEPARTMENT OF MATHEMATICS**  
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## CERTIFICATE

This is to certify that the project entitled "STUDY ON FORMAL LANGUAGES AND AUTOMATA" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Ms. DONA VARGHESE (PGATSMT002) under my supervision and guidance during the year 2019. It has not been submitted to any other University for the award of any degree.

Date : 22-03-2022



**MAGIP M**

Assistant professor

P.M.Govt.College, Chalakudy



External Examiner

A.K. Jambhakar  
Asst. Professor  
Dept of Mathematics  
SVNS College,  
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**Dr. JEEPAMOL J PALATHINGAL**

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# GRAPH COLORING

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirement  
for the award of the degree of  
**Bachelor of Mathematics**

By

GREESHMA C GOPI

Reg. No. : PGATSMT003  
2019-2022

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Assistant professor



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## CERTIFICATE

This is to certify that the project entitled "GRAPH COLORING" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Ms. GREESHMA C GOPI (PGATSMT003) under my supervision and guidance during the year 2019. It has not been submitted to any other University for the award of any degree.

Date : 22-03-2022



JISMY M J

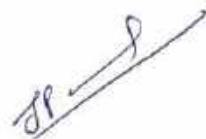
Assistant professor

P.M.Govt.College, Chalakudy



External Examiner

Atchil Dammalharan  
Asst. Professor  
Dept of Mathematics  
SVNSC College  
Wadakkanchery



Dr.JEEPAMOL J PALATHINGAL

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**STUDY ON  
FORMAL LANGUAGES AND AUTOMATA**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirement  
for the award of the degree of  
**Bachelor of Mathematics**

By

**MEENAKSHY K S**

Reg. No. : PGATSMT004

2019-2022

Under the supervision of

**Magi .P.M**

Assistant professor



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Panampilly Memorial Government College Chalakudy

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## CERTIFICATE

This is to certify that the project entitled "STUDY ON FORMAL LANGUAGES AND AUTOMATA" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Ms. MEENAKSHY K S (PGATSMT004) under my supervision and guidance during the year 2019. It has not been submitted to any other University for the award of any degree.

Date : 22-03-2022



**MAGI P M**

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**Dr.JEEPAMOL J PALATHINGAL**

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# **CONTINUITY WITH RESPECT TO SOME SPECIAL TOPOLOGIES ON $\mathbb{R}$**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**AKASH VIJAYAN**

**Reg. No: PGATSMT005  
2019-2022**

**Under the supervision of  
ALBERT ANTONY**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**


**Potta P. O.-680722 , Phone :04802701636**

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# CERTIFICATE

This is to certify that the project entitled "CONTINUITY WITH RESPECT TO SOME SPECIAL TOPOLOGIES ON  $\mathbb{R}$ " submitted by **AKASH VIJAYAN (PGATSMT005)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

  
30/3/2022

ALBERT ANTONY

Assistant professor

PMGC Chalakudy


  
Dr. JEEPAMOL J PALATHINGAL

H. O. D. of Department of Mathematics

PMGC Chalakudy

Date: 30-03-2022

External Examiner:

  
Akhil Damodharan  
Asst. Professor  
Dept of Mathematics  
SVNSS College Wadakkancherry





**STUDY ON  
FORMAL LANGUAGES AND AUTOMATA**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirement  
for the award of the degree of  
**Bachelor of Mathematics**

By

**Rishikumar.M.K**

Reg. No. : PGATSMT006

2019-2022

Under the supervision of

**Magi .P.M**

Assistant professor



**DEPARTMENT OF MATHEMATICS**  
Panampilly Memorial Government College Chalakudy

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## CERTIFICATE

This is to certify that the project entitled "STUDY ON FORMAL LANGUAGES AND AUTOMATA" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Mr. RISHIKUMAR M K (PGATSMT006) under my supervision and guidance during the year 2019. It has not been submitted to any other University for the award of any degree.

Date : 22-03-2022



**MAGI P M**

Assistant professor

P.M.Govt.College, Chalakudy



**Dr.JEEPAMOL J PALATHINGAL**

The Head of the Department

P.M.Govt.College, Chalakudy

  
External Examiner

Attil Damodharan

Asst Professor

Dept of Mathematics

SUNSI College

Wadakkancherry





# **AN INTRODUCTION TO CRYPTOGRAPHY**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**YADHUKRISHNA K S**

**Reg. No: PGATSMT007**

**2019-2022**

**Under the supervision of**

**Dr.SATHIAN M K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "AN INTRODUCTION TO CRYPTOGRAPHY" submitted by YADHUKRISHNA K S(PGATSMT007) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**Dr.SATHIAN M K**

Assistant professor

PMGC Chalakudy



**Dr.JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

**Date : 31-03-2022**

**External Examiner :**

*Akhil Damodharan*  
*Asst. Prof.*  
*Dept of Mathematics*  
*SVNSC College*  
*Chadakkanchery*





# **CONTINUITY WITH RESPECT TO SOME SPECIAL TOPOLOGIES ON $\mathbb{R}$**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**DEVIKA PB**

**Reg. No: PGATSMT008  
2019-2022**

**Under the supervision of  
ALBERT ANTONY**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

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30/3/2022

ALBERT ANTONY

Assistant professor

PMGC Chalakudy




Dr. JEEPAMOL J PALATHINGAL

H. O. D. of Department of Mathematics

PMGC Chalakudy

Date: 30-03-2022

External Examiner: 

Akhil Damodhan  
Asst Professor  
Dept of Mathematics  
SVKM's College  
Wadakkanchery.





# **FUZZY SETS**

**Project report submitted to  
University of Calicut**

*In partial fulfillment of the requirements  
for the award of the degree of*  
**Bachelor of Mathematics**

by

**JASMI JOSE**

Reg. No: PGATSMT009  
2019-2022

*Under the supervision of*

**Dr.PRAMOD P K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

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# CERTIFICATE


This is to certify that the project entitled "FUZZY SETS" submitted by JASMI JOSE(PGATSMT009) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



Dr. PRAMOD P K  
Assistant professor  
PMGC Chalakudy



Dr. JEEPAMOL J PALATHINGAL  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date: 31/03/2022  
External Examiner: 

Akhil Damodharan  
Asst. Professor  
Dept of Mathematics  
Govt College  
Wadakkancherry





# **AN INTRODUCTION TO CRYPTOGRAPHY**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**KRISHNA E D**

**Reg. No: PGATSMT010**

**2019-2022**

**Under the supervision of**

**Dr.SATHIAN M K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

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# CERTIFICATE

This is to certify that the project entitled "AN INTRODUCTION TO CRYPTOGRAPHY" submitted by KRISHNA E D(PGATSMT010) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**Dr.SATHIAN M K**

Assistant professor

PMGC Chalakudy



**Dr.JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

Date: 31-03-2022

External Examiner: 

Abhinav Damodharan  
Asst. Professor  
Dept of Mathematics  
St. Mary's College  
Wadakkanchery.





# **RINGS OF POLYNOMIAL**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**NAOMI BABU**

**Reg. No: PGATSMT011**

**2019-2022**

**Under the supervision of**

**KRISHNADAS K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

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# CERTIFICATE

This is to certify that the project entitled "RINGS OF POLYNOMIAL" submitted by NAOMI BABU(PGATSMT011) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



KRISHNADAS K

Assistant professor

PMGC Chalakudy




Dr. JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

Date : 31-03-2022

External Examiner :

  
Akhil Damodharan  
Asst Professor  
Dept of Mathematics  
SVNSS College  
Wadakkanchery





# **GRAPH COLORING**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirement  
for the award of the degree of  
Bachelor of Mathematics**

**By**

**SHIFA P A**

**Reg. No. : PGATSMT012  
2019-2022**

**Under the supervision of**

**Jismy .M.J  
Assistant professor**



**DEPARTMENT OF MATHEMATICS  
Panampilly Memorial Government College Chalakudy  
Potta p.o 680722 phone:0480 2701636  
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## CERTIFICATE

This is to certify that the project entitled "GRAPH COLORING" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Ms. SHIFA P A (PGATSMT012) under mysupervision and guidance during the year 2019. It has not beensubmitted to any other University for the award of any degree.

Date : 22-03-2022



JISMY M J

Assistant professor


P.M.Govt.College, Chalakudy



Dr.JEEPAMOL J PALATHINGAL

The Head of the Department

P.M.Govt.College, Chalakudy

External Examiner 

Attil Damodharan  
Asst Professor  
Dept of Mathematics  
SVNSS College  
Chalakudy





# **RINGS OF POLYNOMIAL**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Bachelor of Mathematics**

**by**

**ANANTHU MOHANAN**

**Reg. No: PGATSMT014**

**2019-2022**

**Under the supervision of**

**KRISHNADAS K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

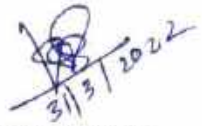
**Potta P. O.-680722 , Phone :04802701636**

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# CERTIFICATE

This is to certify that the project entitled "RINGS OF POLYNOMIAL" submitted by ANANTHU MOHANAN(PGATSMT014) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.




KRISHNADAS K  
Assistant professor  
PMGC Chalakudy



Dr. JEEPAMOL J PALATHINGAL  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date: 31-3-2022

External Examiner: 

Akhil Damodharan  
Asst Professor  
Dept of Mathematics  
SVNSS College  
Wadakkancherry.





# **RINGS OF POLYNOMIAL**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Bachelor of Mathematics**

by

**ANANTHU P R**

Reg. No: PGATSMT015  
**2019-2022**

Under the supervision of

**KRISHNADAS K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



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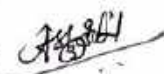


KRISHNADAS K  
Assistant professor  
PMGC Chalakudy



Dr. JEEPAMOL J PALATHINGAL  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date: 31/03/22

External Examiner: 

Akhil Damodharan  
Asst. Prof  
Dept of Mathematics  
SVSSS College  
Wadakkanchery.





# **FUZZY SETS**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Bachelor of Mathematics**

by

**DIXON ANTO**

Reg. No: PGATSMT016  
2019-2022

Under the supervision of

**Dr.PRAMOD P K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



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**Panampilly Memorial Govt. College Chalakudy**

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This is to certify that the project entitled "FUZZY SETS" submitted by DIXON ANTO(PGATSMT016) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



Dr. PRAMOD P K

Assistant professor

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Dr. JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

Date : 21-03-2022

External Examiner :

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Asst Professor  
Dept of Mathematics  
SVNIS College  
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# **AN INTRODUCTION TO CRYPTOGRAPHY**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Bachelor of Mathematics**

by

**SANGEETH K S**

Reg. No: PGATSMT018  
2019-2022

Under the supervision of

**Dr.SATHIAN M K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



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**Dr.SATHIAN M K**

Assistant professor

PMGC Chalakudy




**Dr.JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

Date: 31-03-2022

External Examiner:

  
Akhil Damodharan  
Asst. Professor  
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# **FUZZY SETS**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Bachelor of Mathematics**

by

**SREEHARI C S**

Reg. No: PGATSMT019

**2019-2022**

Under the supervision of

**Dr.PRAMOD P K**

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Dr. PRAMOD P K

Assistant professor

PMGC Chalakudy



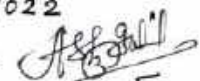
Dr. JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

Date: 31-03-2022

External Examiner:

  
A. B. Damodharan  
Asst. Professor  
Dept of Mathematics  
SVNS College  
Wadakkanchery





# **GRAPH COLORING**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirement  
for the award of the degree of  
Bachelor of Mathematics**

**By**

**VYSHNAV P G**

**Reg. No. : PGATSMT020  
2019-2022**

**Under the supervision of**

**Jismy .M.J  
Assistant professor**



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## CERTIFICATE

This is to certify that the project entitled "GRAPH COLORING" submitted to faculty of Science, University of Calicut in partial fulfillment of degree of Bachelor of Science in Mathematics is a bonafide record of work done by Mr. VYSHNAV P G (PGATSMT020) under my supervision and guidance during the year 2019. It has not been submitted to any other University for the award of any degree.


Date : 22-03-2022



JISMY M J

Assistant professor  
P.M.Govt.College, Chalakudy

External Examiner

  
Atkin Dandhara  
Asst Professor  
Dept of Mathematics  
SVNSS College  
Wakkanchery

  
Dr.JEEPAMOL J PALATHINGAL

The Head of the Department  
P.M.Govt.College, Chalakudy





# PELL'S EQUATION

**Project report submitted to**

**University of Calicut**

**In partial fulfillment of the requirements**

**for the award of the degree of**

**Master of Science In Mathematics**

**by**

**AKHILA VASU**

**Reg. No: PGAUMMS001**

**2020-2022**

**Under the supervision of**

**Smt. MAGI P M**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

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# CERTIFICATE

This is to certify that the project entitled "PELL'S EQUATION" submitted by AKHILA VASU (PGAUMMS001) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

Date : 23/06/2022

**Smt. MAGI P M**

Assistant professor

PMGC Chalakudy

**External Examiner**

**Dr. Krishna M.**

**Dr. JEEPAMOL J PALATHINKAL**

H.O.D Department of Mathematics

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# **NETWORK ANALYSIS**

**Project report submitted to**

**University of Calicut**

In partial fulfillment of the requirements for

the award of the degree of

**Master of Science In Mathematics by**

**ANUGRAHA S GHOSH**

Reg. No:PGAUMMS003

**2020-2022**

Under the supervision of

**Sri. ALBERT ANTONY.T**

**ASSISTANT PROFESSOR OF MATHEMATICS**



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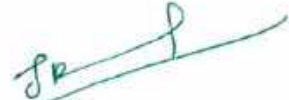
This is to certify that the project entitled "NETWORK ANALYSIS" submitted by ANUGRAHA S GHOSH (PGAUMMS003) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



Sri. ALBERT ANTONY.T

Assistant professor

PMGC Chalakudy



Dr. JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

*Verified*  
Date :23-06-2022

External Examiner :

Dr. Krishna.M

*K. Krishna*  
16/8/2022



# **KNOT THEORY**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Master of Science In Mathematics**

**by**

**ASHIKA ASOKAN**

**Reg. No: PGAUMMS004  
2020-2022**

**Under the supervision of**

**SMT. JISMY M.J**

**ASSISTANT PROFESSOR OF MATHEMATICS**



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# CERTIFICATE

This is to certify that the project entitled "**KNOT THEORY**" submitted by **ASHIKA ASOKAN (PGAUMMS004)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



Assistant professor  
PMGC Chalakudy



**Dr. JEEPAMOL J PALATHINGAL**  
H. O. D. Department of Mathematics  
PMGC Chalakudy

*Verified*  
Date : 23-06-2022

External Examiner :

*Dr. Krishna M*  
16/8/2022



# QUEUEING THEORY

Project report submitted to

University of Calicut

In partial fulfillment of the requirements

for the award of the degree of

**Master of Science In Mathematics**

by

**BINSIYA V B**

Reg. No:PGAUMMS005

**2020-2022**

Under the supervision of

**Dr. JEEPAMOL J PALATHINGAL**

**H.O.D. DEPARTMENT OF MATHEMATICS**



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# CERTIFICATE

This is to certify that the project entitled "QUEUEING THEORY" submitted by **BINSIYA V B (PGAUMMS005)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

*J.P.2*  
**DR. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

*J.P.2*  
**DR. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

*Verified*  
**Date : 23-06-2022**

**External Examiner :**

*Dr. Krishna M*  
**Dr. Krishna M**



# **RIESZ SPACES**

**Project report submitted to**

**University of Calicut**

In partial fulfillment of the requirements

for the award of the degree of

**MASTER OF SCIENCE**

**In**

**MATHEMATICS**

**By**

**DEEPTHI DILEEP**

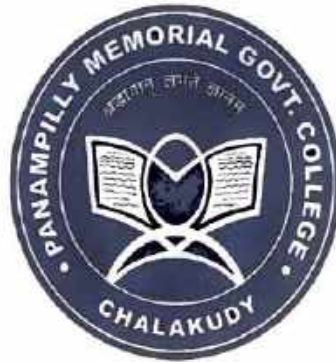
Reg. No : PGAUMMS006

2020 - 2022

Under the supervision of

**Smt. MAGI P M**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P.O.-680722 , Phone :04802701636**

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# CERTIFICATE

This is to certify that the project entitled "**RIESZ SPACES**" submitted by **DEEPTHI DILEEP (PGAUMMS006)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

Date : 23/06/2022



**Smt. MAGI P M**

Assistant professor

PMGC Chalakudy

*Verified*  
**External Examiner**

*U. Krishna*  
**Dr. Krishna. M** 16/06/2022



**Dr. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy



**A STUDY ON THE APPLICATIONS OF SIGNED GRAPH AND  
SOCIAL NETWORK ANALYSIS IN DECISION MAKING**

**Project report submitted to DR.SATHIAN.M.K  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Master of Science In Mathematics**

**by**

**DEVIKA.S.S**

**Reg. No:PGAUMMS007**

**2020-2022**

**Under the supervision of**

**DR. SATHIAN. M. K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

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# CERTIFICATE

This is to certify that the project entitled "A STUDY ON THE APPLICATIONS OF SIGNED GRAPH AND SOCIAL NETWORK ANALYSIS IN DECISION MAKING" submitted by **DEVIKA S.S (PGAUMMS007)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



DR.SATHIAN M.K.  
Assistant professor  
PMGC Chalakudy



Dr.JEEPAMOL J PALATHINGAL  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date :23-06-2022

External Examiner :



Dr. Krishna M.



# **LIE GROUPS AND LIE ALGEBRA**

**Project report submitted to**

**University of Calicut**

In partial fulfillment of the requirements

for the award of the degree of

**Master of Science In Mathematics**

by

**DHANYA M G**

Reg. No:PGAUMMS008

**2020-2022**

Under the supervision of

**DR. SATHIAN M K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

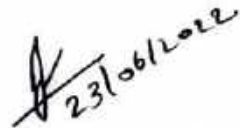
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# CERTIFICATE

This is to certify that the project entitled "**LIE GROUPS AND LIE ALGEBRA**" submitted by **DHANYA M G (PGAUMMS008)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

  
**DR. SATHIAN M.K.**  
Assistant professor  
PMGC Chalakudy

  
**Dr. JEEPAMOL J PALATHINGAL**  
H. O. D. Department of Mathematics  
PMGC Chalakudy

Date :23-06-2022

External Examiner :

  
17/8/2022



# COMBINATORIAL DESIGNS

**Project report submitted to**

**University of Calicut**

In partial fulfillment of the requirements

for the award of the degree of

**Master of Science In Mathematics**

by

**GOPIKA GOPI**

Reg. No:PGAUMMS009

**2020-2022**

Under the supervision of

**Sri. KRISHNADAS K**



**ASSISTANT PROFESSOR OF MATHEMATICS  
DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

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# CERTIFICATE

This is to certify that the project entitled "**COMBINATORIAL DESIGNS**" submitted by **GOPIKA GOPI (PGAUMMS009)** is a record of bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**Sri. KRISHNADAS K**

Assistant Professor

PMGC Chalakudy



**Dr. JEEPARAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

**Date :23-06-2022**

**External Examiner :**

  
17/8/2022

verified



# **RHOTRIX THEORY**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Master of Science In Mathematics**

by

**MAHITHA US**

Reg. No:PGAUMMS010

**2020-2022**

Under the supervision of

**DR.JEEPAMOL J PALATHINGAL**

**H.O.D. DEPARTMENT OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P.O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "**RHOTRIX THEORY**" submitted by **MAHITHA U S (PGAUMMS010)** is a record of bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.

  
**DR. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy


  
**DR. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

Date : 23-06-2022

External Examiner :

  
17/8/2022  
(verified)



# **GRACEFUL GRAPH**

**Project report submitted to**

**University of Calicut**

**In partial fulfillment of the requirements**

**for the award of the degree of**

**Master of Science In Mathematics**

**by**

**SARANYA VENU S**

**Reg No: PGAUMMS011**

**2020-2022**

**Under the supervision of**

**Sri. KRISHNADAS K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "GRACEFUL GRAPH" submitted by **SARANYA VENU S (PGAUMMS011)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**Sri.KRISHNADAS K**

Assistant Professor

PMGC Chalakudy



**Dr.JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

Date :23-06-2022

External Examiner :



17/8/2022  
(verified)



# **DOMINATION IN GRAPH**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Master of Science In Mathematics**

by

**SEETHAL C R**

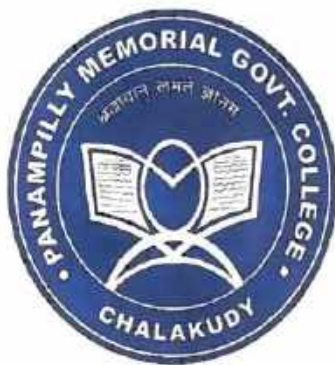
Reg. No:PGAUMMS012

**2020-2022**

Under the supervision of

**DR. PRAMOD P.K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "**DOMINATION IN GRAPH**" submitted by **SEETHAL C R (PGAUMMS012)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



DR. PRAMOD P.K

Assistant professor

PMGC Chalakudy



Dr. JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

Date : 23-06-2022

External Examiner :

  
17/8/2022



# **HYPERGRAPHS**

**Project report submitted to**

**University of Calicut**

**In partial fulfillment of the requirements**

**for the award of the degree of**

**Master Of Science In Mathematics**

**by**

**SOUMYA SANTHOSH**

**Reg. No: PGAUMMS013**

**2020-2022**

**Under the supervision of**

**Sri. ALBERT ANTONY T**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled "HYPERGRAPHS " submitted by **SOUMYA SANTHOSH (Reg.No: PGAUMMS013)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**Sri. ALBERT ANTONY T**

Assistant professor

PMGC Chalakudy



**Dr. JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics

PMGC Chalakudy

Date :20/06/2022

External Examiner :



17/8/2022  
(verified)



# **CONNECTIVITY IN WEIGHTED GRAPH**

**Project report submitted to  
University of Calicut**

In partial fulfillment of the requirements  
for the award of the degree of  
**Master of Science In Mathematics**

by

**SRUTHY P R**

Reg. No:PGAUMMS014  
**2020-2022**

Under the supervision of

**SMT JISMI M. J**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

**[www.pmgc.ac.in](http://www.pmgc.ac.in)**



# CERTIFICATE

This is to certify that the project entitled " submitted by **SRUTHY P R (PGAUMMS014)** is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



**JISMI M. J**

Assistant professor  
PMGC Chalakudy

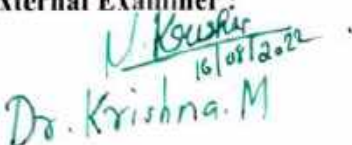


**Dr.JEEPAMOL J PALATHINGAL**

H. O. D. Department of Mathematics  
PMGC Chalakudy

**Date :23-06-2022**

**External Examiner :**



Dr. Krishna. M



# **MATROID THEORY**

**Project report submitted to  
University of Calicut**

**In partial fulfillment of the requirements  
for the award of the degree of  
Master of Science In Mathematics**

**by**

**TINCY C C**

**Reg. No:PGAUMMS015**

**2020-2022**

**Under the supervision of**

**DR. PRAMOD P K**

**ASSISTANT PROFESSOR OF MATHEMATICS**



**DEPARTMENT OF MATHEMATICS**

**Panampilly Memorial Govt. College Chalakudy**

**Potta P. O.-680722 , Phone :04802701636**

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# CERTIFICATE

This is to certify that the project entitled "MATROID THEORY" submitted by TINCY C C (PGAUMMS015) is a record of Bonafide project work carried out independently under my guidance and supervision. It has not been submitted to any other University for the award of any degree.



DR.PRAMOD P.K

Assistant professor

PMGC Chalakudy



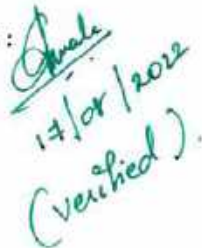
Dr.JEEPAMOL J PALATHINGAL

H. O. D. Department of Mathematics

PMGC Chalakudy

Date :23-06-2022

External Examiner :



14/07/2022  
(verified).



# PANAMPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKUDY

Affiliated to University of Calicut & Reaccredited by NAAC with 'B' Grade




## CERTIFICATE

This is to certify the project report entitled '**CRYSTAL GROWTH – GROWTH OF COPPER SULPHATE PENTAHYDRATE**' submitted by **ASHWANI SAJEEVAN(PGATSPH011), ABHISHEK P R(PGATSPH007), SHABNA K A(PGATSPH005), ATHULYA SHAJAN(PGATSPH012)** studying BSc.Physics has satisfactorily completed the project in semester VI during the academic year 2021-2022

Principal

Head of Department

Project guide

  
29/4/22  
SATHEESH-N.S

Valued on.....7/5/2022.....

Examiners:





# PANAMPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKUDY

Affiliated To University of Calicut & Reaccredited by NAAC with 'B' Grade



## CERTIFICATE

This is to certify that the project report entitled "POLARIMETER: SPECIFIC ROTATION OF SUGAR SOLUTION IN DIFFERENT CONCENTRATIONS" submitted by MUHAMED SIYAD PN (PGATSPH008), GOPIKA TV (PGATSPH004), ABHIRAMDEV P JAYAN(PGATSPH006), SILPA VS(PGATSPH013), AJAY SUKUMARAN(PGATSPH015) studying B.Sc. Physics has satisfactorily completed the project in the semester VI during the academic year 2021-2022

Principal

Head of Department

Project Guide

Shirina Mohammed M

Valued On: 7/5/2022

Examiners:

Seen



# PANAMPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKUDY

Affiliated To University Of Calicut & Reaccredited By NAAC with 'B' Grade



## CERTIFICATE

This is to certify that the project report entitled " BETWEEN DIFFERENT BRANDS OF PETROL" submitted by AMRITA E.S(PGATSPH001), AKSHAYA P.S (PGATSPH009) ,ANJALYKRISHNA A.S(PGATSPH010), ADHARSH E.A(PGATSPH014) SURYADAS K.B(PGATSPH019)studying B.Sc Physics has satisfactorily completed the project in the semester VI during the academic year 2021-2022

Principal

Head Of Department

Project Guide Valued

SATHEESH . N.S

On :.....7/5/2022.....

Examiners:

See next



# PANAMPILLY MEMORIAL GOVERNMENT COLLEGE CHALAKUDY

Affiliated To University Of Calicut & Reaccredited By NAAC with 'B' Grade



## CERTIFICATE

This is to certify that the project report entitled "LIQUID LENS: REFRACTIVE INDEX OF DIFFERENT OILS" submitted by SREEJITHKS(PGATSPH018), DERIN DAVIS (PGATSPH017), ALEN BABU(PGATSPH016), ASHITHA NS(PGATSPH002) studying B.Sc. Physics has satisfactorily completed the project in the semester VI during the academic year 2021-2022

Principal

Head Of Department

Project Guide

SHIMINA MOHAMMED

Valued On : 7/5/22

Examiners:

Seen



**DEPARTMENT OF POLITICAL SCIENCE**  
**PANAMPILLY MEMORIAL GOVERNMENT COLLEGE**  
**CHALAKUDY, KERALA**



**CERTIFICATE**

The dissertation entitled **"Women and Environment : A study of women's role in Environmental movements in India"** submitted for the partial fulfillment of the Award of the Degree of **Master of Arts in Political Science** of the University of Calicut , is a record of bonafide research carried out by **Anila Antony** under my supervision and guidance .



Prasanth Lal T.S

Head of the Department of Political Science

**PRASANTH LAL T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

*Guided by*



Sisa Sivadasan

Assistant Professor of  
Political Science

*Dr. Ramesh Ravi k*



## CERTIFICATE

This is to certified that this dissertation entitled as 'social reform movements in Kerala ' submitted for the partial fulfillment of the award of the Degree of Master of Arts in political science of the university of Calicut , is a record of bonafide research carried out by miss , ASHNA M . S (PGAUMPO003), under my supervision and guidance.

Dr .Anil Kumar .P  
Head of the department  
of Political science

Sreejith Y  
Assistant professor  
of political science



PRASANTH LAL T.S  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

involved by

1. Dr. Jeyaraj John Alappatt  
Sant John
2. Dr. Raimul Kari-k  
Rajind



PANAMPILLY MEMORIAL GOVERNMENT COLLEGE, CHALAKUDY  
DEPARTMENT OF POLITICAL SCIENCE



CERTIFICATE

The dissertation entitled '**India's Act East Policy and ASEAN An Analysis**' is submitted by **AYISHA BEEVI M R**, is in partial fulfillment of the requirements for the award the degree of Master of Arts in Political Science. We recommend that this dissertation may be placed before the examiners for evaluation.

**Dr Anil Kumar P**

Assistant Professor and  
Head of the department  
Political Science



1. Dr. Ameetha, C.

2. Dr. Annukappad  
Amrakan

PRASANTH L. S.  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722



## CERTIFICATE

This is to certified that this dissertation entitled as " Changing trends in India - Nepal relationship ". submitted for the partial fulfillment of the Award of the Degree of Master of Arts in Political Science of the University of Calicut, is a record of bonafide research carried out by miss, FASNA. P (PGAUMPO005), under my supervision and guidance.



  
Prasanth Lal T.S.

Prasanth Lal T.S.



**PRASANTH LAL T.S.**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalaky - 680 722  
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**PRASANTH LAL T.S.**  
Assistant Professor  
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1. Dr. Ramul Badi. K 
2. Dr. Ann Kariyappal 







**DEPARTMENT OF POLITICAL SCIENCE PANAMPILLY  
MEMORIAL GOVERNMENT COLLEGE CHALAKUDY-680722**

**Dr. Anil Kumar P**

Assistant Professor and Head

Department of Political Science

Panampilly Memorial Government College

Chalakudy, Kerala

**CERTIFICATE**

This is to certify that the dissertation entitled "**Recent Ecological Disasters in the Western Ghats; A Study on its Governance**" submitted for the partial fulfillment of the award of the degree of Master of Arts in Political Science, is a record of bonafide research carried out by **Miss. Gopika Santhosh (PGAUMPOO06)**, under my supervision. No part of the thesis has been submitted for any degree before.

**Dr. Anil Kumar P**

Dr. Annette



Dr. Arun Kalippel





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT  
COLLEGE

CHALAKUDY, KERALA- 680721

**CERTIFICATE**

This is to certified that this dissertation entitled as "**Human Right violations against children in the Kerala society**", submitted for the partial fulfillment of the award of the Degree of Master of Arts in Political science of the University of Calicut, is a record of bonafide research carried out by miss, **KRISHNAPRIYA K.S (PGAUMPO007)**, under my supervision and guidance.

Dr. Anil Kumar. P

Head of the Department of  
Political Science

Satheesh Kumar

Assistant Professor of  
Political Science

  
**PRASANTH LAL. T.S**  
Assistant Professor  
Department of Political Science  
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Chalakudy - 680 722



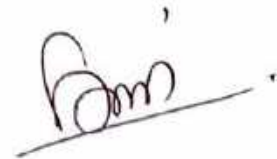
  
**PRASANTH LAL. T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

1- Dr. Jeeva John Mappath Jeeva John



## CERTIFICATE

The dissertation entitled 'EFFICIENCY OF GOVERNMENT EDUCATIONAL SCHEMES FOR THE SCHEDULED TRIBES: A CASE STUDY OF GOTHRA BANDHU SCHEME IN WAYANAD DISTRICT' is submitted by Ms. NAVEYA GEORGE(PGAUMPO08) is in partial fulfilment of the requirements for the award the degree of Master of Arts in Political Science. We recommend that this dissertation may be placed before the examiners for evaluation.



SISA SIVADASAN  
(Supervisor)

Place: Chalakudy

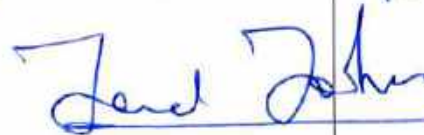
Date:

PRASANTH LAL T S  
(Head of the department)

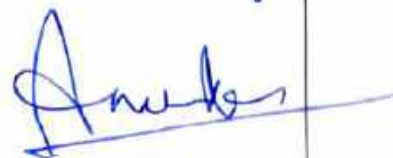


PRASANTH LAL T.S  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

1. Dr. Jewel John Math



2. Dr. Ann Kanype







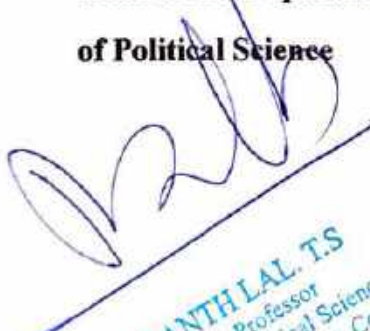
**DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT  
COLLEGE  
CHALAKUDY, KERALA – 680722**

**CERTIFICATE**

This is to certified that this dissertation entitled as, entitled **“Impact Of Covid-19 Pandemic On Unorganised Sector Labourers with Special Reference To Malappuram District”** submitted for the partial fulfillment of the award of the Degree of Master of Arts in political science of the university of Calicut , is a record of bonafide research carried out by miss, **RANJITHA T. (PGAUMPO010)**, under my supervision and guidance.

**Prasanth Lal T. S.**

**Head of the Department  
of Political Science**



  
**PRASANTH LAL. T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

  
**Sreejith Y**

**Assistant Professor  
of Political Science**

  
**PRASANTH LAL. T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722



  
**Jerald John**  
  
**Dr. Annalappan**





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT  
COLLEGE CHALAKUDY-680722

CERTIFICATE

This is to certify that the dissertation entitled "India's Act East Policy: The Containment Of China In Indo-Pacific And South China Sea" submitted for the partial fulfillment of the award of the degree of Master of Arts in Political Science, is a record of bonafide research carried out by **MISS. RASVEENA VIJAYAN (PGAUMPO011)**, under my supervision. No part of the thesis has been submitted for any degree before.

  
Prasanth Lal T.S

HOD of Political science  
Panambilly Memorial govt.  
collage, Chalakudy, Kerala.

  
Dr. SatheeshKumar

Assistant Professor  
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Panampilly Memorial Govt.  
College, Chalakudy, Kerala.

  
PRASANTH LAL T.S  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
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1. Dr. Jewel John Olappatt  
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2. Dr. Annette  






PANAMPILLY MEMORIAL GOVERNMENT COLLEGE, CHALAKUDY  
DEPARTMENT OF POLITICAL SCIENCE



AUGUST 16, 2022

The dissertation entitled '**Struggle For Land To Live: A Case Study Of Muthanga Struggle With Special Reference To Adivasi Gothra MahaSabha**' is submitted by **Saniga Santhosh**, is in partial fulfillment of the requirements for the award the degree of Master of Arts in Political Science. We recommend that this dissertation may be placed before the examiners for evaluation.

PRASANTH LAL T S

(Head of the department)

**PRASANTH LAL T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

Tobio P D

(Supervisor)

**Tobio P.D.**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722



1. Dr. Jeneel John Akkumal  
Jeneel John  
2. Dr. Annette C  
C. Annette




## CERTIFICATE


This is to certified that this dissertation entitled as " SEXUAL MINORITY RIGHTS AND SAHAYATHRIKA. A CASE STUDY OF TRANSGENDER COMMUNITY IN KERALA WITH SPECIAL REFERENCE IN TRISSUR ", submitted for the partial fulfillment of the Award of the Degree of Master of Arts in Political Science of the University of Calicut, is a record of bonafide research carried out by miss, **SHILPA CK (PGAUMPO013)**, under my supervision and guidance.

Prasanth Lal TS

Head of the Department

Political Science  
Science

  
**PRASANTH LAL TS**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakkudy - 680 722

  
Asha Carol Antony


Assistant Professor of the

department of Political

1. Dr Jerald John Alappett



2. Dr Aneetha C

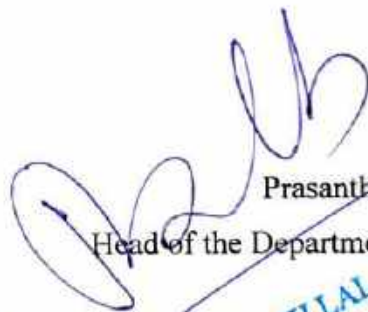






## CERTIFICATE

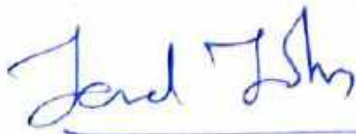
This is to certified that this dissertation entitled as "**LOCAL SELF GOVERNANCE AND POLICING: A CASE STUDY OF NADAPURAM GRAMA PANCHAYATH OF KOZHIKODE DISTRICT,KERALA**" submitted for the partial fulfillment of the Award of the Degree of Master of Arts in Political Science of the University of Calicut, is a record of bonafide research carried out by miss, **SNEHA K P (PGAUMPO014)**, undermy supervision and guidance.



Prasanth Lal. T S

Head of the Department Political Science

1. Dr. Jend John Alappad



2. Dr. Anee H C



**PRASANTH LAL. T S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722



## CERTIFICATE

This is to certify that the thesis entitled Education status of scheduled tribes in Kerala; A case study of Malayan tribes in Randukai submitted for the award of the degree of Master of Arts in Political Science, is a record of bona fide research carried out by Mr SUJITH K S under my supervision and guidance

*Suresh*

Suresh K

Assistant Professor of Political science

Prasanthlal T S

Head of the department of Political science

*Prasanthlal T S*

PRASANTH LAL. T.S  
Assistant Professor  
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Chalaky - 680 722

*Prasanthlal T S*

PRASANTH LAL. T.S  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalaky - 680 722

1. Dr. Jaseel John Alappatt

*Jaseel John*

2. Dr. Annette C

*Annette C*





PANAMPILLY MEMORIAL GOVERNMENT COLLEGE,  
CHALAKUDY

DEPARTMENT OF POLITICAL SCIENCE



CERTIFICATE

The dissertation entitled '**Assessment Of Integrated Child Development Programme In Kerala:: A Case Study Of Chalakudy Municipality Of Thrissur District**' is submitted by **PGAUMPO018**, is in partial fulfillment of the requirements for the award the degree of Master of Arts in Political Science. We recommend that this dissertation may be placed before the examiners for evaluation.

Prasanth Lal T S

(Head of the department)

**PRASANTH LAL T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

Prasanth Lal T S

(Supervisor)

**PRASANTH LAL T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

1. Dr Jerald John Mappath

2. Dr Ann





## CERTIFICATE

This is to certify that the thesis entitled Swami Vivekanda and Renaissance: An analysis on the activities of Ramakrishna Mission, with special reference to Kerala submitted for the award of the degree of Master of Arts in Political science, is a record of bonafide research carried out by vyshnavi k under my supervision. No part of the thesis has been submitted for any degree before.

PRASANTHALAL

Assistant professor and head

Department of political science

Panampilly memorial Government college

Chalaky, kerala

PRASANTHALAL.T.S  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalaky - 680 722

ASHA CAROL ANTONY

Assistant Professor Of

Political Science

1. Dr. Teal John Mappal  
Teal John

2. Dr. Annette - C







DEPARTMENT OF POLITICAL  
SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT  
COLLEGE  
CHALAKUDY, KERALA-680722

30 April 2022

**CERTIFICATE**

The dissertation entitled '**Indo China Border Dispute**' submitted by **Babitha. K.B.** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

**Dr. Anil Kumar P.**  
(Head of Department)



  
**Dr. Anil Kumar P.**  
(Supervisor)

*Valued*

*5/5/22*

*Dr. Raimol Rani K.*

*Dr. Jewel John Mappett*

*Jewel John*





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 680722


30 April 2022

CERTIFICATE


The dissertation entitled '**EMPOWERMENT OF DALITS AND ROLE OF DALIT MOVEMENTS IN KERALA**' submitted by **Gopika Girish**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

Dr. Anil Kumar P.  
(Head of Department)



  
5/4/22  
**Prasanth Lal T. S**  
(Supervisor)  
**PRASANTH LAL T.S**  
Assistant Professor  
Department of Political Science  
Panampilly Memorial Govt. College  
Chalakudy - 680 722

*Valued*  
  
5/5/22  
Dr. Ramesh Ravi K.

Dr. Jerald John Mappell  
  
Jerald John





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 680722

April 30, 2022

CERTIFICATE

The dissertation entitled 'Multidimensional Aspects of India – Bhutan relations' submitted by **Megha V.M** in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Political Science is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

*Satheesh* 30.4.2022

Dr. Satheesh Kumar P.K.

(Supervisor)



*Valued*

*Dr. Raimol Ravi K.* 5/5/2022

*Dr. Raimol Ravi K.*

*Dr. Juel John Alappett*

*Juel John*





DEPARTMENT OF POLITICAL SCIENCE PANAMPILLY MEMORIAL  
GOVERNMENT COLLEGE CHALAKUDY KERALA 680722

30 APRIL 2022

### CERTIFICATE

This is to certify the thesis entitled submitted ' A STUDY ON CASTE ATROCITIES ON DALIT COMMUNITY IN KERALA' submitted for the award of the degree of Bachelor of arts in Political Science, is a record of bonafide the research carried out by MOHAMEED SAHIL P.A under my supervision. No part of this thesis has been submitted for any degree before.



DR ANILKUMAR .P

( HOD )



JISHA ABRAHAM

( SUPERVISOR )

Valued  5/5/2022  
Dr. Raimol Rani K  
Dr. Jewel John Alappett  






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COLLEGE**

**CHALAKUDY, KERALA – 680722**

**30 April 2022**

**CERTIFICATE**

The dissertation entitled “Community Policing Project In Kerala A Study With Special Reference To Janamaithri Suraksha Project In The Chalakudy Police Station Limit” submitted by Sarath K S in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Political Science is their own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.


  
**DR.ANILKUMAR P**

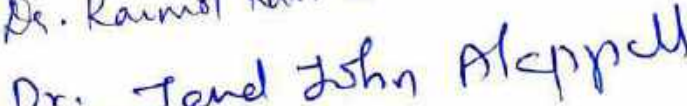
**(Head of Department)**

  
**SREEJITH Y**

**(Supervisor)**



  
Dr. Raimol Ravi K

  
Dr. Jerald John Alappell





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 680722

30 April 2022

CERTIFICATE

The dissertation entitled 'MADESHI ISSUE AND INDO – NEPAL RELATIONSHIP' submitted by AKSHARA RAJAPPAN., in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

DR. ANIL KUMAR P  
(HOD)

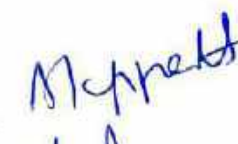
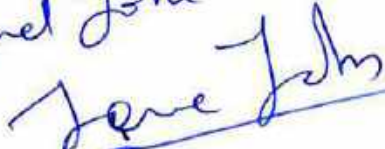
  
SISA S.  
(SUPERVISOR)



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Dr. Rainol Ravi K.

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Dr. Jeneel John Myrrett  
  
Jeneel John





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30 April 2022

**CERTIFICATE**

The dissertation entitled “Abrogation Of Article 370 And It’s Impact” submitted by **Anaka. T** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR. ANILKUMAR P**


Head of Department,  
Department of Political Science,  
P M G College,  
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**TOBIO P D**

Assistant Professor,  
Department of Political Science,  
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Chalakudy

*Valued*

  
Dr. Raimol Ravi K

Dr. Juse John Meppell

  
Juse John





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Chalakudy, Kerala.

30 April 2022

**CERTIFICATE**

The dissertation entitled '**CHANGING IN TRENDS IN INDIA- JAPAN RELATION**' submitted by **ANEENA MATHEW K**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.



  
**Dr. Anil Kumar P**

*Valued*

*5/5/2022*

*Dr. Raimul Ravi K*

*John Alappell*





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CHALAKUDY, KERALA – 680722

30 APRIL 2022

### CERTIFICATE

The dissertation entitled 'India's public health system and local Governments in Kerala: A case Study of Covid 19 preventing measure in annamanada panchayath' in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Political Science her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

Dr. Anil Kumar P.

(Head of department)



Asst. Professor Prasanth Lal T. S.

(Supervisor)

Valued

Dr. Ramesh Ravi K

Dr. Jemel John Mappett





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**CHALAKUDY, KERALA – 680722**


30 April 2022

**CERTIFICATE**

The dissertation entitled '**Ethnicity and Human Right Violations: The case of Rohingyas.**' Submitted by **ANUPRIYA K.A** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**Dr. Anil Kumar P.**  
(Head of Department)

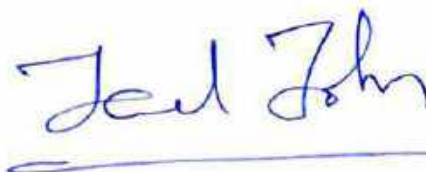


  
**Dr. Satheesh Kumar p.k**  
(Supervisor)  
30.4.2022

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Dr. Raimol Ravi k  
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Dr. Jewel John Kappell

  
Jewel John





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CHALAKUDY, KERALA - 680722

30 April 2022

CERTIFICATE

The dissertation entitled '**Human Rights Violations And Child Labour In Kerala;- A Case Study Of Angamaly Municipality**' submitted by Aparna Anil in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Political Science is her own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.

  
DR. ANIL KUMAR P

(Head of the Department)



  
ASHA CAROL ANTONY

(Supervisor)

Valued  
Recd 5/5/22  
Dr. Raimol Ravi K

Dr. Jerald John Mappett

Jerald John





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30 April 2022

**CERTIFICATE**

The dissertation entitled '**A study on Russia-Ukraine conflict Reasons and Challenges**'. Submitted by **APARNA BALAN** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

**Dr. Anil Kumar P.**  
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**Jisha Abhraham**  
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*Dr. Raimol Ravi K*







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30 April 2022

CERTIFICATE

I declare that the dissertation entitled **"THE ROLE OF MEDIA IN GENERATING PUBLIC OPINION"** submitted by me in partial fulfilment of the requirements for the award of the Degree of **Bachelor of Arts in Political Science** is my own work and has not been previously submitted for the award of any other Degree of this or any other university.

Dr. Anil Kumar p.

(Head Of Department)



Dr. Satheesh Kumar p.k

(supervisor)

Valuee

Dr. Raimol Ravile

Dr. Jewel John Mappath

Jewel John





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30 April 2022

CERTIFICATE

The dissertation entitled “Indo-Pak Border Issue : A Special Reference To Kashmir” submitted by Aryananda P M in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is their own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.

  
DR. ANILKUMAR P

(Head of Department)



  
SREEJITH Y

(Supervisor)

Valued

Dr. Raimol Ravi K

Dr. Jemel John Steppell

Jemel John





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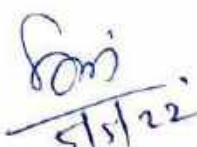
30 April 2022

CERTIFICATE

The dissertation entitled '**INDO – SRI LANKA RELATION POST LTTE PERIOD**' submitted by **Athira E. A.**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR ANIL KUMAR P**  
(HOD)



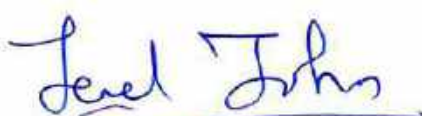
  
**SISA S.**  
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Dr. Jewel John Mappett








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The dissertation entitled 'A STUDY ON PUNJAB LEGISLATIVE ASSEMBLY ELECTION 2022' submitted by **BISMI P. B.**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR. ANIL KUMAR P.**  
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Dr. Jemel John Alappell  
*Jemel John*





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Assistant professor and Head  
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Chalakudy, Kerala.

30 April 2022

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The dissertation entitled '**TERRORISM IN AFGHANISTAN AND US INTERVENTION**' submitted by **Jesna P. J.**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

**Dr. Anil Kumar P**



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Jeevel John  
Dr. Ramani Rani Ramesh






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28 April 2022

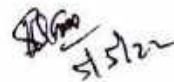
**CERTIFICATE**

The dissertation entitled '**Human Rights Violation Among Tribal Woman In Kerala With Special Reference To Edamalakudy**' submitted by **Jesteena Shaji** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**Dr. Anil Kumar P.**  
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**Prasanth Lal T.S.**  
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**Dr. Surin Kumar K.**

  
**Dr. Ravi**





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The dissertation entitled '**Transgenders In Kerala Issues And Challenges**' submitted by **Jishana Parvin K K** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.

  
DR. ANILKUMAR P

(Head of Department)



  
DR. SATHEESH KUMAR P K

(Supervisor)

  
Dr. Binny Jose

  
Dr. Sanilkumar. K





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30 April 2022

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The dissertation entitled '**INDIA AND UNO: PROSPECTS OF INDIA'S PERMANENT MEMBERSHIP IN UN SECURITY COUNCIL**' submitted by **JITHA K. T**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
DR. ANIL KUMAR P  
(HOD)



  
ASHA CAROL  
(SUPERVISOR)

  
6/5/22  
Dr. Binoy Jose

  
Dr. Sunilkumar K





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The dissertation entitled '**BRITAIN AND EUROPEAN UNION: RELATIONS IN THE TIME OF BREXIT**' submitted by **MILDA SUNIL**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR. ANIL KUMAR P**  
(HOD)



  
**SREEJITH Y.**  
(SUPERVISOR)

  
6/5/22  
**Dr Biny Jose**

  
**Dr Sunil Kumar. K**





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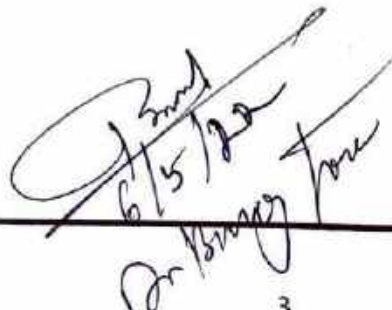
The dissertation entitled '**India's relationship with Bangladesh at Modi**' period Submitted by **MUSHAFIRA MOL K** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**Dr. Anil Kumar P.**  
(Head of Department)



  
**Sisa. S**  
(Supervisor)

**SISA. S**  
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6/5/22  
Dr. Anil Kumar P.





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**Dr. Anil Kumar P**

Assistant professor and Head

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Chalakudy, Kerala.

30 April 2022

**CERTIFICATE**

The dissertation entitled '**NUCLEAR NEIGHBOURHOOD AND INDIA'S SECURITY DILEMMA**' submitted by **Nasreena K. K**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.



**Dr. Anil Kumar P**

(Supervisor)

Valued

6/5/22  
Dr. Binji Jose





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30 April 2022

**CERTIFICATE**

The dissertation entitled '**Administrative efficiency and E-Governance a case study of Kerala: Akshaya project.**' Submitted by **NEENU MANOHARAN** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

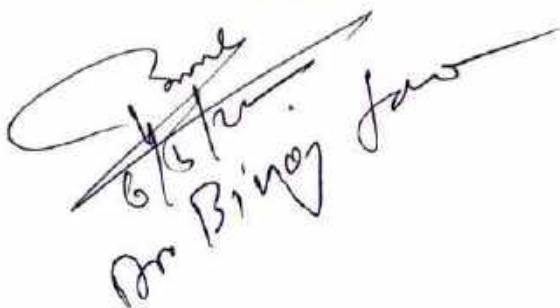
  
**Dr. Anil Kumar P.**  
(Head of Department)

**Asst: Professor Prasanth Lal T. S**

(Supervisor)

  
**PRASANTH LAL T.S**  
Assistant Professor  
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Dr. Binoy





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30 April 2022

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The dissertation entitled **A Study On; National Commission for Protection Of Child Rights** submitted by **Parvathi K.A** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

*Dr. Anil Kumar P.*

(Head of Department)



*Satheesh Kumar P.K.*  
30.4.2022

(Supervisor)

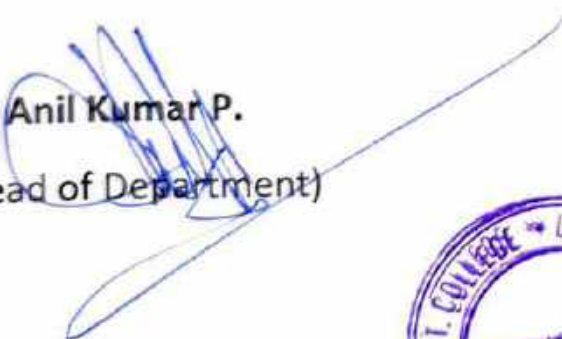
*Dr. Binu J*  
6/5/22





### CERTIFICATE

This is to certify that the dissertation entitled "INDIAN DEMOCRACY AND COALITION POLITICS :A STUDY ON NATIONAL DEMOCRATIC ALLIANCE, SPANNING FROM 2014 ONWARDS " submitted for the award of the degree of Bachelors of Arts in political science is a record of bona-fide research carried out by Radhika V. K . Under my supervision. Not part of the dissertation has been submitted for any degree before.

  
Dr. Anil Kumar P.  
(Head of Department)

  
Asha Carol Antony  
( Supervisor)



  
6/5/22  
Dr. Binoy Jose

  
Dr. Sankunnaal K





**DEPARTMENT OF POLITICAL SCIENCE  
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CHALAKUDY, KERALA – 680722**

30 April 2022

**CERTIFICATE**

The dissertation entitled '**INDIA AND ISRAEL RELATIONSHIP DURING MODI PERIOD**' submitted by **Revathy Jagadheesan**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR. ANIL KUMAR P**  
(HOD)



  
**JISHA ABRAHAM**  
(SUPERVISOR)

  
6/5/22  
Dr. Binu J

  
Dr. Sankunni K





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COLLEGE  
CHALAKUDY, KERALA -

680722

30 April 2022

**CERTIFICATE**

The dissertation entitled 'ANALYSIS ON IMPACTS OF SOCIAL MEDIA: THE EXPERIENCE OF INDIAN POLITICS' submitted by RINSHI REHNA PV in partial fulfillment of the requirements for the award of the degree of Bachelor of Arts in Political Science is their own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
DR. ANILKUMAR P

(Head of Department)



  
SREEJITH Y

(Supervisor)

  
6/5/22  
Dr. Binoy Jose

  
Dr. Sankar K





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**COLLEGE**  
**CHALAKUDY, KERALA – 680722**

30 April 2022

**CERTIFICATE**

The dissertation entitled **"THE ROLE OF GOVERNOR CENTRE STATE RELATIONS : ANALYSIS IN THE CONTEXT OF KERALA"** submitted by **SNEHA SAHAJAN** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

Dr. Anil Kumar P

(Head of Department)



Dr. Anil Kumar P.

(Supervisor)

6/5/22  
Dr. Binu Jacob

Dr. Sankar K





DEPARTMENT OF POLITICAL SCIENCE  
PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 680722

30 April 2022

CERTIFICATE

The dissertation entitled '**KUDUMBASHREE: PROMOTING THE SELF-HELP GROUP MODEL OF EMPOWERMENT THROUGH WOMEN ENTREPRENEURSHIP IN KERALA – A STUDY**' submitted by **SREEDEVI T. V.**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

DR. ANIL KUMAR P

(HOD)

PRASANTH LAL SREEDEVI T.S  
(SUPERVISOR)

Assistant Professor  
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Panampilly Memorial Govt. College  
Chalakudy - 680 722



Dr. Princy Jose





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CHALAKUDY, KERALA – 680722

30 April 2022

CERTIFICATE

The dissertation entitled **Human Rights And Policing In Kerala: Critical Study Of Police Accountability** submitted by Sreelakshmi S in partial fulfillment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. I recommend that this dissertation may be placed before the examiners for evaluation.

DR. ANIL KUMAR P

(Head of Department)



DR. SATHEESH KUMAR P K

(Supervisor)

6/5/22  
Dr. Binoy Jose

Dr. Sankunoor K





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PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 680722


30 April 2022

CERTIFICATE

The dissertation entitled '**COLLECTIVE SECURITY AND WORLD ORDER: AN ANALYSIS ON NATO**' submitted by **SREESHA VIJAYAN**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Arts in Political Science** is her own work and has not been previously submitted for the award of any other degree of this or any other university. We recommend that this dissertation may be placed before the examiners for evaluation.

  
**DR. ANIL KUMAR P**  
(HOD)



  
**ASHA CAROL**  
(SUPERVISOR)

  
6/5/22  
**Dr. Binoy Jose**

  
**Dr. Sankar Kumar K**





PANAMPILLY MEMORIAL GOVERNMENT COLLEGE  
CHALAKUDY, KERALA – 68072

---

30 April 2022

CERTIFICATE

This is to certify the thesis entitled submitted 'INDO-RUSSIAN RELATIONS IN THE CONTEXT OF RUSSIAN UKRAINE CONFLICT : AN ANALYSIS' submitted for the award of the degree of Bachelor of arts in Political Science, is a record of bonafide the research carried out by UNNIMAYA ANIL under my supervision. No part of this thesis has been submitted for any degree before.

DR . ANILKUMAR P

(HOD )



*Shila Abraham*  
SHILA ABRAHAM

( SUPERVISOR)

*Valued*

*Binoy Jose*  
6/8/22  
Dr. Binoy Jose





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**Dr. Anil Kumar P.**  
(Head of Department)



**Sreejith . Y**  
(Supervisor)







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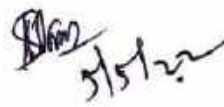
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**Dr. Anilkumar P**  
(Head of Department)

  
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**Dr. Suman Kumar K.**





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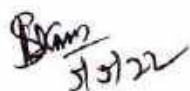
  
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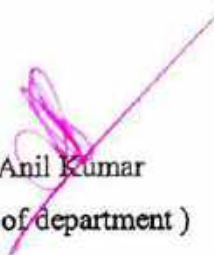
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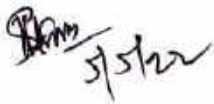


  
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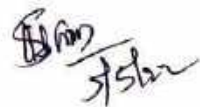
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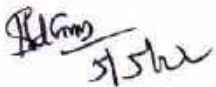
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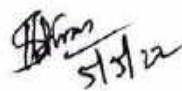
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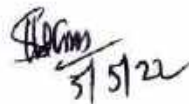
  
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(Supervisor)



*Valued*

*Dr. Sunit Kumar*  
5/5/22





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CERTIFICATES

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Dr. Anil Kumar. P

(Head Of The Department)



  
Sisa . S

(Supervisor)

  
Dr. Sanil Kumar. K