



UNION CHRISTIAN COLLEGE ALUVA-2



SSR 5th CYCLE 2023



Criterion 1

1.2.1 Academic Flexibility

COURSE 1: हिन्दी साहित्य में नवउपनिवेशवाद की झलक : कैलाश बनवासी की कहानियों के विशेष संदर्भ में

Union Christian College, Aluva
Department of Hindi

Notice

The Department of Hindi shall start Value - Added Courses

1. हिन्दी साहित्य में नवउपनिवेशवाद की झलक: कैलाश बनवासी की कहानियों के विशेष संदर्भ में ।

(The Glimpse of Neo-colonialism in Hindi Literature : With special reference to Short Stories by Kailash Banvasi.)

2. हरिवंश राय बच्चन की प्रतिलिपि कविताओं पर बुनियादी अध्ययन

(Basic Study on the Representative Poems of Harivansh Rai Bachchan.)

It shall be a 32 - contact hour course consisting of a series of lectures and student assessments.

Students are requested to enroll themselves for the course and participate actively to make it a grand success.

Registration forms are available in the department.


Head of the Department
Dr. Ruby Elsa Jacob

Proposal

Of

Value Added Course

On

(हरिवंश राय बच्चन की प्रतिनिधि कविताओं पर बुनियादी अध्ययन)

Offered by

Department of Hindi

Aim :

The writings of Dr. Harivansh Rai Bachchan , one of the most popular literary figures of India have earned him India's highest awards. Through his life – lessons , he has been successful in inculcating values among his admirers , critics and becoming a voice of the very common man. The Course aims to provide an insight to the influencing personality of Dr. Bachchan thereby updating the learners with knowledge related to the most popular writing skill.

Objective :

Students will acquire knowledge about the unique personality of Dr.Harivansh rai Bachchan. Learners are expected to achieve thorough understanding on the Post Chayavaad trend : Halavaad. The basic study on the Representative Poems will help to develop an insight to the values practised & preached by Dr. Bachchan. Students will be inspired & motivated to pen down their literary interests effectively in the final module of the Course.

Course Content

Module I	10 Hours
हरिवंश राय बच्चन : व्यक्तित्व तथा कृतित्व हरिवंश राय बच्चन : कवि परिचय	
Module II	11 Hours
मधुसूदन क्या भूतूँ क्या वाद करूँ	
Module III	11 Hours
जो बीत गई सो बात गई अः रही रवि की सवारी कान्य - रचना का प्रपास और अभ्यास	
Duration : 32Hours	
Eligibility : Additional language students of Second year	
Batch size : 45 students	
Class timings : Wednesdays & Saturdays	
Course Co Ordinator : Dr R S Radhika	



Head of the Department
Dr. Ruby Elsa Jacob



हिन्दी

UNION CHRISTIAN COLLEGE, ALUVA
Department of Hindi

Value Added Course

Application Form

Name of Teacher Coordinator : Dr. R S Radhika

Name of Student	
Department & Semester	
Register Number	
College Roll Number	
Course Name	
Mobile Number	
Email Address	
Address for Communication	
Signature	

Academic Year : 2022 – ' 23



Union Christian College, Aluva

हरिवंश राय बच्चन की प्रतिनिधि कविताओं
पर बुनियादी अध्ययन

(Basic Study on the Representative Poems of
Harivansh Rai Bachchan)

(A Value Added Course offered by Department of Hindi)

Course Code : HIN 402
Duration : 32 hours
Semester of offering : Even
Offered to : Students of all Streams



Learning Outcomes

- Students will acquire knowledge about the unique personality of Dr Harivansh Rai Bachchan.
- Learners are expected to achieve thorough understanding on the post Chaaywadd of trend : Halwad.
- To develop an insight to the values, practiced & preached by Dr Bachchan through his Representative Poems.
- Students will be inspired & motivated to pen down their literary interests effectively in the final module of the course.

Critical Comment

- Dr Harivansh Rai Bachchan - one of the most popular literary figures of India - Life - Lessons - Inculcating values - voice of the very common man
- Insight to the influencing personality of Dr Bachchan - Familiarise the Post Chaaywadd of trend : Halwad
- Creative Activity

Course Director

Dr R S Radhika

UNION CHRISTIAN COLLEGE, ALUVA

Department of Hindi

Value Added Course : दुर्लभ एम कृष्ण की इतिहासिक कविताओं पर दुनियादी अध्ययन

Student Enrollment List :

Sl.No.	Register Number	Name of the Student
1.	210021016280	Abhinav C S
2.	210021034947	Abhirami Aji
3.	210021025541	Adithya Lala
4.	210021025542	Acira Joseph
5.	210021025543	Ahvin C Shibu
6.	210021034949	Amgha K V
7.	210021032146	Anjana O R
8.	210021025544	Anjana V Mami
9.	210021034950	Anugraha Mathew
10.	210021034951	Anugraha Vinod
11.	210021032148	Anuja N J
12.	210021025545	Anumod C A
13.	210021032149	Azathy Rajan P
14.	210021025546	Aravind Babu
15.	210021025547	Arva C S
16.	210021032151	Avanthika P B
17.	210021034955	Avinash S Prabhu
18.	210021032152	Basil Baby
19.	210021025548	Devikrishna B
20.	210021023062	Emil M Joy
21.	210021025549	Fajiza Ferooq M M
22.	210021025550	Fathima C A
23.	210021025552	Gayathri Shaji
24.	210021025553	Hitha K H
25.	210021025554	Jaseera Nasrin
26.	210021025555	Jennath Raheem
27.	210021016282	Kavya Venugopal
28.	210021025556	Krishnapriya M K
29.	210021025557	Lekhana M
30.	210021025562	Nandana Harisudan
31.	210021025563	Nandhana A S
32.	210021025564	Navya M
33.	210021032155	Niranjana K Damodar
34.	210021025566	Nirmal K S
35.	210021025567	Ramsiya Begum C A
36.	210021016286	Rariya P B
37.	210021025568	Razeena M Z
38.	210021025569	Rufaida Parveen
39.	210021025570	Sandra Pullikkal
40.	210021032157	Seethal Lal
41.	210021025571	Shifana M R
42.	210021025572	Shybas Khan M M
43.	210021026403	Sreenithi K
44.	210021025573	Teena M Kuriakose
45.	210021025574	Vysuavy N B

COURSE 2: हरिवंश राय बच्चन की प्रतिनिधि कविताओं पर बुनियादी अध्ययन

Union Christian College, Aluva
Department of Hindi

Notice

The Department of Hindi shall start Value – Added Courses

1. हिन्दी साहित्य में स्वतन्त्रनिवेशवाद की अवलोक: कैलाश बनवारी की कहानियों के विशेष संदर्भ में ।

(The Glimpse of Neo-colonialism in Hindi Literature : With special reference to Short Stories by Kailash Banwasi.)

2. हरिवंश राय बच्चन की प्रतिनिधि कविताओं पर बुनियादी अध्ययन

(Basic Study on the Representative Poems of Harivansh Rai Bachchan .)

It shall be a 32 – contact hour course consisting of a series of lectures and student assessments.

Students are requested to enroll themselves for the course and participate actively to make it a grand success.

Registration forms are available in the department.


Head of the Department
Dr. Ruby Elsa Jacob

Proposal

Of

Value Added Course

On

(हिन्दी साहित्य में नवउपनिवेशवाद की झलक: कैलाश बनवासी की कहानियों के विशेष संदर्भ में ।)

Offered by

Department of Hindi

Aim :

The Aim of the Course is to familiarise the students with the Neo colonial elements and its impact on Indian society through the Short Stories of Kailash Banvasi , one of the prominent writers in Hindi Literature.

Objective:

The students will have a clear idea about the main elements of Neo – colonialism and its significance on society by understanding about the features, impact, causes and effects of Neo - colonial elements. As the Neo colonialism is unfolding through the Short Stories of Kailash Banvasi , the students can also be familiarise with his unique creative personality.

Course Content

Module I	10 Hours
संबन्धनिवेशवाद - परिभाषा - अवधारणा - प्रमुख तत्व - कैलाश जनसंगी - परिचय - साहित्यिक उपलब्धियाँ - प्रमुख कहानियों का सामान्य परिचय - ' पीले कागज की उजली इबारत ' कहानी संग्रह में संबन्धनिवेशवादी तत्व	
Module II	11 Hours
' इस समय विद्वियों के बारे में ' कहानी - समाज में बाजारवाद एवं बहुराष्ट्रीय कंपनियों का प्रभाव । ' वे जो देख रहे हैं ' कहानी - समय संबंधों के व्यवसायीकरण का विषय ।	
Module III	11 Hours
' अखिर इस दर्द की क्या क्या है ? ' कहानी - शिक्षा का व्यापारीकरण । ' पीले कागज की उजली इबारत ' कहानी - शिक्षा जगत् में फीले अष्टाचार का विषय ।	
'रेल गाड़ी ने रोड़ा ' कहानी और ' पुराण ' कहानी - वर्तमान समय में व्याप्त धर्मश्रिता और उसके परिभाव ।	

Duration: 32Hours

Eligibility: Additional language students of First year

Batch size: 45 students

Class timings: Wednesdays & Saturdays

Course Co Ordinator : Dr Ruby Elsa Jacob


Head of the Department
Dr. Ruby Elsa Jacob



हिन्दी

UNION CHRISTIAN COLLEGE, ALUVA

Department of Hindi

Value Added Course

Application Form

Name of Teacher Coordinator :Dr Ruby Elsa Jacob

Name of Student	
Department & Semester	
Register Number	
College Roll Number	
Course Name	
Mobile Number	
Email Address	
Address for Communication	
Signature	

Academic Year : 2022 – '23



Union Christian College, Aluva

हिंदी साहित्य में नवउपनिवेशवाद की झलक :
कैलाश बनवासी की कहानियों के विशेष संदर्भ में
(The Glimpse of Neo-colonialism in Hindi Literature:
With Special Reference to Short Stories by Kailash Banvasi)
[A Value Added Course offered by Department of Hindi]

Course Code : HIN 401
Duration : 32 hours
Semester of offering : Even
Offered to : Students of all Streams



Learning Outcomes:

- To familiarise the students with the Neo Colonial elements and its impact on Indian society through the Hindi Short stories of Kailash Banvasi
- Students will acquire the knowledge about the main elements of Neo - colonialism on society by understanding its features, elements, causes and effects.
- Students will also familiarise with the unique creative personality of Kailash Banvasi through his short stories.

Course Content

- Neo Colonialism - Definition - Concept - Elements -Literary achievements of Kailash Banvasi - General Introduction to his famous stories - Neo -colonial elements in the short story collection "Peela Kaagaz Ki Uji Ibaarot"
- The pressure elements of Marketisation and Multi National companies on society
 - the commercialization of Human Relation
- The commercialization of education -spread of corruption in the academia

Course Faculty

Dr Ruby Elsa Jacob

UNION CHRISTIAN COLLEGE, ALUVA

Department of Hindi

Value Added Course : शुद्धी पाठ्यक्रम में अन्तर्निहितता की अवधि । कक्षा बरगामी की शृङ्खलाओं के विशेष संदर्भ में ।

Sl.No.	Register Number	Name of the Student
1.	220021033454	Adarsh V L
2.	220021033455	Adhil T N
3.	220021024011	Adithya Madhu
4.	220021036403	Aftan Fathin Mamoj
5.	220021030781	Aishwarya S
6.	220021033457	Akshaya V S
7.	220021030782	Aleena George
8.	220021036404	Aleena P Thomas
9.	220021030783	Ambili M S
10.	220021040295	Ananya Susan George
11.	220021040296	Anjali Bijukumar
12.	220021036407	Anjana K Shenoy
13.	220021036408	Ann Mariya Francis
14.	220021033461	Anna Teresa
15.	220021030785	Anosh K T
16.	220021040298	Aparna F
17.	220021033463	Aparna T M
18.	220021040301	Ayushi Sahu
19.	220021033467	Bivin Binny Mathew
20.	220021030787	Darshan Ranjith
21.	220021030788	Devamandha P S
22.	220021021650	Devipriya T B
23.	220021036413	Divya Susana
24.	220021030789	Fahad Faisal
25.	220021030790	Gopika S
26.	220021040309	Jaquelin Anna Mathew
27.	220021033472	Jenid Rahman
28.	220021030795	Lisa P E
29.	220021036419	Megha Sudarshan
30.	220021033477	Merin Yasob
31.	220021024041	Nandana Thulasiyedharan
32.	220021033479	Nidhin Salim
33.	220021033481	Nividha N V
34.	220021033483	Parvathy P H
35.	220021033484	Pavithra Pradeep
36.	220021033485	Rechu Dais
37.	220021040319	Sahana C H
38.	220021030802	Samuel Anthony Jacob
39.	220021040323	Shilpa T S
40.	220021036425	Sneha S
41.	220021036427	Sreelakshmi S
42.	220021033489	Sreeparvathy P R
43.	220021030805	Sreepriya Nair
44.	220021033491	Swathi S Prabhu
45.	220021030810	Vaishnavi Krishna

UNION CHRISTIAN COLLEGE, ALUVA

DEPARTMENT OF HINDI

VALUE ADDED COURSE : हिन्दी साहित्य में गवतपविशवाद की श्रलक : कैलाश बनपासी की कहानियों के विशेष संदर्भ में ।

क्र. सं.		कृ. सं.	कृ. नाम	अवधि	अवधि	अवधि	अवधि
1	2	3	4	5	6	7	8
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
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99	99	99	99	99	99	99	99
100	100	100	100	100	100	100	100

COURSE 3:COMPUTER HARDWARE & NETWORKING

**Union Christian College, Aluva
Department of Electronics & Computer Maintenance**

Notice

The Department of Electronics & Computer Maintenance shall start Value-added courses

1. Basics MS Office.
2. Computer Hardware & Networking.

It shall be a 30-contact hours course including a series of lectures and practical sessions.

Students from the departments are requested to enroll themselves for the course and participate actively to make it a grand success.

Registration forms are available from the department.



Head of the Department

Head of the Department
Dept. of Electronics and Computer Maintenance
Union Christian College
Aluva - 2

Proposal

of

Value Added Course

on

Computer Hardware & Networking

for

BSc E & CM students

offered by

Department of Electronics & Computer Maintenance



Aim:

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective:

To give opportunities for professional growth, career improvement of technical and professional knowledge of computers and its components, along with its connections and networking.



Professor [Name]
Department of Computer Science and Information Technology

Course Content

Module 1	10 hours
Computer fundamentals Introduction - Computer Hardware, Identification of Components, Familiarization- Software, DOS & Commands, Operating System, BIOS Setup Menu, Drivers, Booting.	
Module 2	10 hours
Troubleshooting of PC, Assembling of PC, Installation-Operating System, Peripheral devices, Drivers, Application software.	
Module 3	10 hours
Networking Concepts (using Windows and Linux) Installing of Ubuntu, Setup user, Basic network configuration, Setup ssh & remote access, Setup http server, Configuring ftp server, File sharing. Windows file sharing & network configuration, configuring a PC to a network, Setup RDP, Sharing files to other networks, Setup http service. Setting of SSID's and Wifi passwords	

Duration: 30 Hours

Eligibility: BSc E & CM 3rd / 2nd Year

Batch Size: 15 students

Class Timings: Saturdays

Course coordinator: Mr. Ajan P.J.

Faculty Members: Mr. Ajan P.J.
Mr. Akhil T V
Mr. Lijo Thomas




Head of Department
Mr. Lijo Thomas
Dept. of E & CM

Head of the Department
Dept. of Electronics and Computer Science
Baker College of Arts
Alway - 2

Department of Electronics & Computer Maintenance

Workload Distribution

Sl.No.	Name of Faculty	Theory	Practical
1	Mr.Ajan P J	5 hrs	5 hrs
2	Mr.Akhil T V	5 hrs	5 hrs
3	Mr.Ajan P J	5 hrs	5 hrs

Course Coordinator
Mr.Ajan P J


Head of the Department
Mr.Lijo Thomas

Principal
Dr.M.I.Punnoose

Head of the Department
Dept of Electronics and Computer Maintenance
Union Christian College,
Kerala - 2



Union Christian College, Aluva
Department of Electronics & Computer Maintenance

Value Added Course
Computer Hardware & Networking

Application Form

Name of Student

Class

Roll Number

Email Address

Mobile Number

Address for Communication

Course Name

Signature

Head of the Department
Department of Electronics & Computer Maintenance
Union Christian College, Aluva
2022

**Electronics & Computer Maintenance
Department**

Value Added Course

**Computer Hardware
&
Networking**



Coordinators:
Mr. Ajan PJ
Mr. Akhil TV



**Union Christian College
Aluva**





UNION CHRISTIAN COLLEGE, ALUVA

Department of
Electronics & Computer Maintenance

Value added course: Computer Hardware and Networking

Students Enrolment list

1	200021048056	ABIBITH SASHIHARAN
2	200021048057	ABIN DENNY
3	200021048058	ADARSH PRAKASH
4	200021048059	ALBERT GEORGE
5	200021048060	ALWIN Biju
6	200021048061	ANPITHRESWIT M
7	200021048062	ANANDHIT A
8	200021048063	ANANTHAKRISHNANT V
9	200021048066	ASIFWIN V
10	200021048067	ASWIN RAJ M R
11	200021048068	GAURIA P S
12	200021048069	HARISHWARAN P
13	200021048070	JAM JJO
14	200021048071	JOSEPH PAUL DARREJ
15	200021048072	LANCE LALAN
16	200021048073	MIDHUN MANOJ
17	200021048066	MUHAMMED SALIH V A
3	200021048074	MUHAMMED ALTHAF C F
19	200021048075	NANDU R NAIR
20	200021048076	NIKHIL C G
21	200021048077	NIKHIL KRISHNA R
22	200021048078	ROBIN V M
23	200021048079	ROHANT R
24	200021048080	ROSHAN P JOHN
25	200021048081	SARATH V MENON
16	200021048082	SHAIKHA N B
27	200021048083	SREEHARI K BAIFU
28	200021048084	STEFIN JOY
29	200021048085	SINEERA V N
30	200021048086	TONY VARGHESE
31	200021048087	VINAY V KUMAR

Course coordinator:
Mr. Ajan P.J.



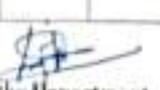
Head of Department
Mr. Lijo Thomas

Head of the Department
of Electronics & Computer Maintenance
Union Christian College, Aluva
Kerala

UNION CHRISTIAN COLLEGE ALUVA
DEPARTMENT OF ELECTRONICS & COMPUTER MAINTENANCE
VALUE ADDED COURSE-COMPUTER HARDWARE & NETWORKING

Pr. No.	Name	1/1/20	2/1/20	3/1/20	4/1/20	5/1/20
200021048056	ABHIRAM NASSIMHARAN					
200021048057	ADIN BENNY					
200021048058	ADARSH PRAKASH					
200021048059	ALBERT GEORGE					
200021048060	ALWIN DILLI					
200021048061	AMR. THEJITH M					
200021048062	ANANDHU TA					
200021048063	ANANTHAKRISHNANT V					
200021048066	ASWINRAJ M R					
200021048067	GOPIK A P S					
200021048068	HARLESWARAN P					
200021048069	JOM JO					
200021048070	JOSEPH PAUL DARREL					
200021048071	LANCE LALAN					
200021048072	MIDHUN MANOJ					
200021048073	MOHAMED SALIH V A					
200021048074	MUHAMMED ALTHAF C F					
200021048075	NANDU R NAIR					
200021048076	NIKHIL C G					
200021048077	NIKHIL KRISHNA R					
200021048078	ROBIN V M					
200021048079	ROJAN T R					
200021048080	PUSHAN P JOHN					
200021048081	SARATH V MENON					
200021048082	SHADHAN B					
200021048083	SRI LAKSHY K BADI					
200021048084	STEEN JOY					
200021048085	SUNILRA V N					
200021048086	TONY VARGHESE					
200021048087	VINAY K RUMAR					
Teachers in Charge						

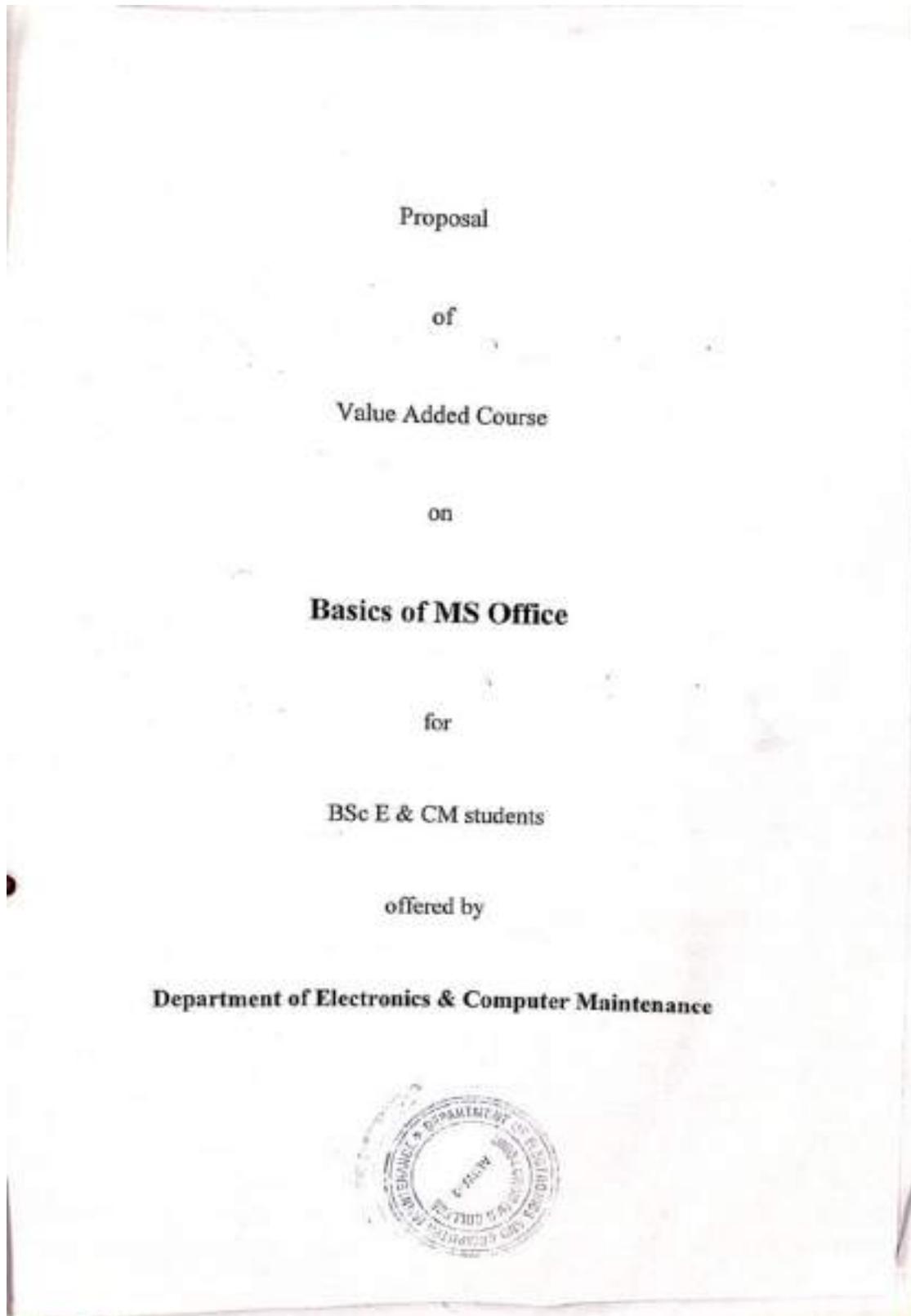
Teacher in Charge 

Head of the Department 



Union Christian College
 Aluva
 Page 2

COURSE 4: BASICS OF MS OFFICE



Aim:

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective:

To give opportunities for professional growth, career improvement of technical and professional education through appropriate value added courses.




Head of the Department
Dept. of Electrical & Computer Engineering
Queen's University
Kingston, Ontario
K7L 3N6

Course Content

Module 1

10 hrs

MS Word

Creating, editing, saving and printing text documents. Font/paragraph/character formatting. Inserting tables/smart art/page breaks. Use of lists and styles. Working with images. Spelling and Grammar checking. Mail merge.

Module 2

10 hrs

MS Excel

Creating, editing, saving and printing of spread sheets. Working with functions and formulas. Graphical representation of data-charts/graphs. Speeding data entry-using data forms. Formatting worksheets. Securing and protecting spread sheets.

Module 3

10 hrs

MS Power Point

Opening, viewing, creating and printing slides. Applying auto layouts. Adding custom animation. Use of slide transitions. Graphical representation of data-graphs/charts. Creating professional slides for presentation.

Duration: 30 Hours

Eligibility: BSc E & CM 1st / 2nd Year

Batch Size: 15 students

Class Timings: Saturdays

Course coordinator: Dr. Julie Ann Joseph

Faculty Members: Dr. Julie Ann Joseph
Ms. Simi Varghese
Mr. Lijo Thomas



Head of Department
Mr. Lijo Thomas
Dept. of E & CM

Head of the Department
Dept. of Electronics and Computer Engineering
Anna University, Chennai
Area - 2

MO-200: Microsoft Excel (Office 2019) – Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Manage worksheets and workbooks (10-15%)

Import data into workbooks

- Import data from .txt files
- Import data from .csv files

Navigate within workbooks

- Search for data within a workbook
- Navigate to named cells, ranges, or workbook elements
- Insert and remove hyperlinks

Format worksheets and workbooks

- Modify page setup
- Adjust row height and column width
- Customize headers and footers

Customize options and views

- Customize the Quick Access toolbar
- Display and modify workbook content in different views
- Freeze worksheet rows and columns
- Change window views
- Modify basic workbook properties
- Display formulas

Configure content for collaboration

- Set a print area
- Save workbooks in alternative file formats

- Add or remove table rows and columns
- Configure table style options
- Insert and configure total rows

Filter and sort table data

- Filter records
- Sort data by multiple columns

Perform operations by using formulas and functions (20-25%)

Insert references

- Insert relative, absolute, and mixed references
- Reference named ranges and named tables in formulas

Calculate and transform data

- Perform calculations by using the AVERAGE(), MAX(), MIN(), and SUM() functions
- Count cells by using the COUNT(), COUNTA(), and COUNTBLANK() functions
- Perform conditional operations by using the IF() function

Format and modify text

- Format text by using RIGHT(), LEFT(), and MID() functions
- Format text by using UPPER(), LOWER(), and LEN() functions
- Format text by using the CONCAT() and TEXTJOIN() functions

Manage charts (20-25%)

Create charts

- Create charts
- Create chart sheets

Modify charts

- Add data series to charts
- Switch between rows and columns in source data
- Add and modify chart elements

Format charts

- Apply chart layouts

- Configure print settings
- Inspect workbooks for issues

Manage data cells and ranges (20-25%)

Manipulate data in worksheets

- Paste data by using special paste options
- Fill cells by using Auto Fill
- Insert and delete multiple columns or rows
- Insert and delete cells

Format cells and ranges

- Merge and unmerge cells
- Modify cell alignment, orientation, and indentation
- Format cells by using Format Painter
- Wrap text within cells
- Apply number formats
- Apply cell formats from the Format Cells dialog box
- Apply cell styles
- Clear cell formatting

Define and reference named ranges

- Define a named range
- Name a table

Summarize data visually

- Insert Sparklines
- Apply built-in conditional formatting
- Remove conditional formatting

Manage tables and table data (15-20%)

Create and format tables

- Create Excel tables from cell ranges
- Apply table styles
- Convert tables to cell ranges

Modify tables

Department of Electronics & Computer Maintenance

Workload Distribution

Sl.No.	Name of Faculty	Theory	Practical
1	Dr. Julie Ann Joseph	5 hrs	5 hrs
2	Ms. Simi Varghese	5 hrs	5 hrs
3	Mr. Lijo Thomas	5 hrs	5 hrs

Course Coordinator
Dr. Julie Ann Joseph


Head of the Department
Mr. Lijo Thomas

Principal
Dr. M.L. Punnoose

Head of the Department
Dept. of Electronics and Computer Maintenance
Union Christian College
Aluva - 2

Union Christian College, Aluva
Department of Electronics & Computer Maintenance
Value Added Course
Application Form

Name of student

Class

Roll Number

Email address

Mobile Number

Address for communication

Course Name

Signature




Head of the Department
Dept of Electronics & Computer Maintenance
Union Christian College
Aluva

**Electronics & Computer Maintenance
Department**

Basics Of MS Office

Value added course

Coordinators:
Dr. Julie Ann Joseph
Ms. Simi Varghese

MS Word
MS Excel
MS PPT



**Union Christian College
Aluva**



UNION CHRISTIAN COLLEGE, ALUVA - 2									
CLASS REGISTER OF ATTENDANCE					PART NUMBER OF				
Date					Date				
2023					2023				
No.	Name	1	2	3	4	5	6	7	8
1	Abhinav K								
2	Abhinav K								
3	Abhinav K								
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- COURSE 5: YOUNG ENTREPRENEURSHIP**
- COURSE 6: INDIAN CONSTITUTION AND CITIZEN'S RIGHTS**
- COURSE 7: INTELLECTUAL PROPERTY RIGHTS: AN OVERVIEW**



OFFERS CERTIFICATE COURSES ON

1. Young Entrepreneurship

(Learn to change fundamental business concepts to thriving businesses)

Faculty coordinators- Ms. Liji Lawrence - 9633380851 &
Ms. Rajalakshmi R - 9497187060

2. Indian Constitution & Citizen's Rights

(Know your Constitution to know your Rights)

Faculty coordinator- Dr. Geethika G - 9846943943



3. Intellectual Property Rights: An Overview

(Learn the basics of IPR, it's problems and prospects)

Faculty coordinators- Dr. Basil B Mathew (St. Peter's College, Kolenchery),
Dr. Geethika G - 9846943943



Eligibility: All PG & UG students

Course Duration: 25 April 2023 to 15 May 2023 (30 hours)

Course delivery mode: Hybrid (online lectures and
field visits/interactions)

Certificate fee: Rs. 100/-

Last date of registration: 24 April 2023

For more details on the courses please visit
<https://economics.ucccollege.edu.in/>

PROPOSAL OF

VALUE ADDED COURSE

ON

YOUNG ENTREPRENEURSHIP

OFFERED BY

**THE DEPARTMENT OF
ECONOMICS**

OPEN TO ALL STUDENTS OF THE COLLEGE

COURSE DETAILS

I. Introduction

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

II. Course Objectives

1. To understand the prospects and problems in starting a new enterprise
2. To gain insight into how entrepreneurs conceive, adapt, and execute strategies to create new, successful businesses

III. Course Delivery

- The course will be delivered in Hybrid mode. Online component have to be accessed using Moodle.
- This course is more activity oriented with numerous face to face interactive sessions with student entrepreneurs/guests who are currently working in fields relating to an enterprise like CEOs, venture capitalists, Kudumbashree entrepreneurs and others involved in the startup community.
- The course also includes multiple graded assignments for periodic evaluation.
- Course includes field visits to Business enterprises.

IV. Content

The course is designed in three modules.

Module 1 : An Introduction to Entrepreneurship

Types of Entrepreneurs-Characteristics and Qualities of an entrepreneur- Economics for Managing the Small enterprises -Factors influencing Entrepreneurship.

Module 2 :Entrepreneurial growth

Business -Government and the Small Business Relationship- Entrepreneurial Finance -Ethics and Social Responsibility in Business-Role of government and non-government agencies.

Module 3 : Face to Face

Women entrepreneurs-Rural entrepreneurs-Student entrepreneurs -Young start ups.

Course Readings:

1. Gupta C B -Entrepreneurial Development
2. Batachariya S T- Strategic Management and Cases
3. Extra handouts will be provided
4. Video recorded lectures posted in the GCR and Moodle

V. Course Details

Eligibility: The course is open to all Undergraduate and Postgraduate students of the College

Duration: Eight Weeks

Fees: Event expenses would be covered by nominal user fees.

Student Strength : 30

VI. Certification

The College will provide the 'Course Completion Certificate' to students who successfully complete the course.

VII. Faculty-in-charge: Rajalakshmi R, Assistant Professor in Economics, Dept of Economics, Union Christian College, Aluva and Liji Lawrence, Assistant Professor in Economics, Dept of Economics, Union Christian College, Aluva

Head of the Department

Value Added Course on Young Entrepreneurship

Workload Distribution

Sl No	Name of Faculty	Hours
1.	In House Faculty	10
2.	Invited lectures	10
3.	Visits, Demonstration classes, Assignments	10

Rajalakshmi R

Liji Lawrence

I Punnoose

Course Co-ordinator

Principal

Dr Ann George

Dr M

Head of the Department

Application Form

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF ECONOMICS



CERTIFICATE COURSE REGISTRATION

UG & PG students of Union Christian College may use this form to register for any one of the following Certificate Courses offered by the Department of Economics:

- 1. Young Entrepreneurship
 - 2. Indian Constitution & Citizens Rights
 - 3. Intellectual Property Rights: An Overview
- Last date for registration- 24 April 2022



Email address *

Short answer text

Name of the student *

Short answer text

WhatsApp No. *

Short answer text

Department *

Short answer text

Class *

- BPG
- BPG
- BPG
- BPG
- BPG

Certificate course opted *

- Young Entrepreneurship
- Indian Constitution & Citizens Rights
- Intellectual Property Rights: An Overview

Dept of Economics-Certificate Course Regis

Questions Responses **130** Settings

CERTIFICATE COURSE REGISTRATION

UG & PG students of Union Christian College may use this form to register for any one of the following Certificate Courses offered by the Department of Economics-

1. Young Entrepreneurship
2. Indian Constitution & Citizen's Rights
3. Intellectual Property Rights: An Overview

Last date for registration- 24 April 2023

Email address *

Short answer text

Name of the Student

Short answer

Short answer text

Required

Registration Link : <https://forms.gle/oXkbgQ1YS9Y9zevt7>

ATTENDANCE

Timestamp	1. Name the student	2. Department	3.Course	4.Exam PRN number	5.How would you rate this session ?
4/25/2023 18:50:33	Nandana PR	Economics	Young entrepreneurship.V	210021012771	Good
4/25/2023 18:50:52	Anusree Ajay	Physics	MSc physics	210011013272	Good
4/25/2023 19:00:01	Nandana. P. A	Economics	Young entrepreneurship	220021011749	Good
4/25/2023 19:00:05	Alshara K R	Department of Economics	MA Economics	210011001950	Good
4/25/2023 19:00:24	Nabli Shiyab	Mathematics	Young Entrepreneurship	210021032135	Good
4/25/2023 19:00:48	CHELSY ELDHO	ECONOMICS	2nd BA ECONOMIC	210021012731	Good
4/25/2023 19:01:04	Revathy V B	Mathematics	Young Entrepreneurship	8075340387	Good
4/25/2023 19:01:54	Airin joly	Commerce	Bcom	210021053358	Good
4/25/2023 19:02:14	Safna vn	Economics	2nd MA Economics	210011001959	Good
4/25/2023 19:02:35	Sreedevi. C.S	Commerce	Bcom Model 2-Finance and taxation	220021050420	Good
4/25/2023 19:02:41	Devika Lakshmy	Economics	Young Entrepreneurship	220011028786	Good
4/25/2023 19:02:48	Lakshmi k.b	Commerce	Bcom model 2	220021050405	Good
4/25/2023 19:02:52	Bhavana R	BCom	Entrepreneurship	210021053328	Good
4/25/2023 19:02:53	Chandana P V	Mathematics	Bsc.mathematics	220021030798	Good
4/25/2023 19:03:10	T S Sreya	Commerce	Bcom finance and taxation	210021053335	Good
4/25/2023 19:03:37	Joseph Jimmy James	Commerce	Young Entrepreneurship	210021053336	Good
4/25/2023 19:03:54	Revathy V B	Mathematics	Young Entrepreneurship	210021032136	Good
4/25/2023 19:04:00	Baali Ekhsosa	Economics	B. A Economics	210021012728	Good
4/25/2023 19:04:31	PARVATHI RAVEENDRAN	ECONOMICS	Young Entrepreneurship	210021012748	Good
4/25/2023 19:04:43	Deniya Biju	Commerce	Bcom finance and taxation	210021053328	Good
4/25/2023 19:05:33	Jibin joy	Commerce	B.com finance and taxation	220021070161	Good
4/25/2023 19:05:52	Aneesha Ann Solomon	Economics	2nd BA economics	210021012774	Good
4/25/2023 19:05:56	Aneesha Roy	Commerce	Bcom finance and taxation	220021050385	Good
4/25/2023 19:06:02	Kishan ghosh. C	Ba economics	Economics	210021012787	Good
4/25/2023 19:06:12	Diya Rasheed	Commerce	B.com	210021053329	Good
4/25/2023 19:06:42	Kripa Sobli Thomas	Bcom Finance and Taxation	Young entrepreneurship	210021074873	Good
4/25/2023 19:06:45	A Sarika	Commerce	Bcom finance and taxation	210021053357	Good
4/25/2023 19:06:56	Arida. E. J	Economics	Young Entrepreneurship.	210021012723	Good
4/25/2023 19:07:13	Akhila Varghese	2nd M.A Economics	Young entrepreneur	210011001959	Good
4/25/2023 19:07:22	Aashika KM	Commerce	Bcom finance and taxation	210021053329	Good
4/25/2023 19:07:40	Anjali ka	Economics	MA economics	210011001961	Good
4/25/2023 19:08:38	Anju M	MBA	Young entrepreneurship	223240010121	Good
4/25/2023 19:08:51	SNEHA MANMADHAN	COMMERCE	Finance and Taxation	210021053387	Good
4/25/2023 19:09:19	Sheha pradheep	Economics	2 M.A Economics	210011001972	Good
4/25/2023 19:09:54	Ananya Rajesh	Commerce	Bcom Finance and Taxation	210021074696	Good
4/25/2023 19:10:13	V A Fathima Nairin	Commerce	Young Entrepreneurship	210021053355	Good
4/25/2023 19:10:20	Ashina c s	Bcom	Young entrepreneurship	210021074653	Good
4/25/2023 19:11:18	Fathima nuzarath K N	Economics	MA Economics	210011001955	Good
4/25/2023 19:11:42	Neha.T.R	Commerce	Bcom Finance and taxation	210021074880	Good
4/25/2023 19:11:57	Reahna N. J	Commerce	Finance & Taxation	210021074681	Good
4/25/2023 19:13:22	MUHAMMED IRFAN	Commerce	B.com finance and taxation	210021074878	Good
4/25/2023 19:24:30	Muhammed Nesuhai K N	Bioscience	BT&SP	220021037836	Good
4/25/2023 19:29:00	Abasat	Commerce	B.com	210021053316	Good
4/25/2023 19:29:13	Baali V Panayil	Economics	Young Entrepreneurship	210021012730	Good
4/25/2023 19:58:34	Amal Krishna P V	Economics	Entrepreneurship	200021013719	Good
4/25/2023 20:14:57	Anusree Rajeev	Commerce	B.com finance and taxation	220021050388	Good

Timestamp	1. Name of the student	2. Course	3. Department	4. PSN number	5. How do you rate the session
28/04/2023 11:15:09	Nabil Shajek	Young Entrepreneurship	Mathematics	210021032135	good
28/04/2023 11:15:32	Fathima Nuzrah K.N	BA ECONOMICS	Economics	21001001066	good
28/04/2023 11:15:47	Asha E. J	Entrepreneurship	Economics	2100210112723	good
28/04/2023 11:15:49	Abin jay	B com finance and taxati	Commerce	220021070161	good
28/04/2023 11:15:50	MANDANA PH	Young entrepreneurship	Economics	2100210112771	good
28/04/2023 11:16:03	Kiya Sobi Thomas	Young entrepreneurship	Bcom Finance and Taxat	210021074873	good
28/04/2023 11:16:03	Ashika KM	Bcom	Commerce	210021063323	good
28/04/2023 11:16:07	Maryam Mohammed Sid	Undergraduate	Economics	100101002766	good
28/04/2023 11:16:08	Diya Rasheed	B.com	Commerce	210021063326	good
28/04/2023 11:16:17	A.Saika	Bcom	Commerce	210021053337	good
28/04/2023 11:16:26	Anuska Apy	Me: physics	Physics	2100110113713	good
28/04/2023 11:16:26	Joseph Jimmy James	Young Entrepreneurship	Commerce	210021053335	good
28/04/2023 11:16:36	CHELSEY ELDHO	II of US	ECONOMICS	2100210112791	good
28/04/2023 11:16:36	Aneetha Roy	Bcom finance and taxati	Commerce	220021063326	good
28/04/2023 11:16:38	T S Sneha	Bcom finance and taxati	Commerce	210021063353	good
28/04/2023 11:16:40	Basil V Panajl	Young Entrepreneurship	Economics	2100210112730	good
28/04/2023 11:16:42	Parvathi Raveendran	Young entrepreneurship	Economics	2100210112748	good
28/04/2023 11:16:53	MUHAMMED IRFAN	BCom finance and taxati	Commerce	210021074878	good
28/04/2023 11:16:58	Anuska Rajeev	B com finance and taxati	Commerce	220021053338	good
28/04/2023 11:17:01	Charata P V	Bsc mathematics	Mathematics	220021030168	good
28/04/2023 11:17:04	Sreedevi. C. S	Bcom Model 2 - Finance	Commerce	220021030420	no opinion
28/04/2023 11:17:04	Daniya Biju	Bcom finance and taxati	Commerce	210021063326	good
28/04/2023 11:17:05	Abin jay	Bcom	Commerce	210021053326	good
28/04/2023 11:17:07	Aneetha Ann Solomon	2nd Ba economics	Economics	2100210112774	good
28/04/2023 11:17:13	Sreya is	B.com	Commerce	210021053337	good
28/04/2023 11:17:16	Reshma N. J	Finance & taxation	Commerce	210021074801	good
28/04/2023 11:17:30	Nelka TR	Bcom Finance and taxati	Commerce	210021074850	good
28/04/2023 11:17:34	Ashina c s	Young Entrepreneurship	Commerce (Bcom)	210021074853	good
28/04/2023 11:17:41	V A Fatima Nusr	Young Entrepreneurship	Commerce	210021053326	good
28/04/2023 11:17:46	Revedly Y B	Young Entrepreneurship	Bsc Mathematics	210021032136	good
28/04/2023 11:17:47	Nandana P A	Young entrepreneur	Economics	220021011749	good
28/04/2023 11:17:49	Devika Lakshmy	BA	Economics	220011020706	good

Timestamp	1. Name of the student	2. Course	3. Department	4. PRN number	5. How do you rate the session
4-26-2023 12:15:09	Nabil Shiyab	Young Entrepreneurshi	Mathematics	210021002136	good
4-26-2023 12:15:32	Fahima Nuzarah K N	MA ECONOMICS	Economics	210011001905.00	good
4-26-2023 12:15:47	Arifa. E. J	Entrepreneurship	Economics	2100210102723	good
4-26-2023 12:15:48	Jibin jay	B com finance and tax	Commerce	220021070161	good
4-26-2023 12:15:50	NANDANA PR	Young entrepreneurship	Economics	2100210102771	good
4-26-2023 12:16:03	Kripa Sobi Thomas	Young entrepreneurship	Boam Finance and Tax	210021074973	good
4-26-2023 12:16:03	Ashitha KM	Bcom	Commerce	210021053323	good
4-26-2023 12:16:07	Maryam Mohammed S	Undegraduate	Economics	100101002769	good
4-26-2023 12:16:08	Diya Rasheed	B.com	Commerce	210021053328	good
4-26-2023 12:16:17	A.Sarika	Bcom	Commerce	210021053357	good
4-26-2023 12:16:28	Anusree Ajay	Msc physics	Physic	210011010272	good
4-26-2023 12:16:28	Joseph Jimmy James	Young Entrepreneurshi	Commerce	210021053335	good
4-26-2023 12:16:38	CHELSY ELDHO	II nd JG	ECONOMICS	2100210102731	good
4-26-2023 12:16:38	Aneeta Roy	Bcom finance and tax	Commerce	220021050395	good
4-26-2023 12:16:38	T S Sreya	Bcom finance and tax	Commerce	210021053353	good
4-26-2023 12:16:40	Basil V Panayil	Young Entrepreneurshi	Economics	2100210102730	good
4-26-2023 12:16:42	Paniathi Ravindran	Young antpranourshi	Economics	2100210102748	good
4-26-2023 12:16:53	MUHAMMED JFFAN	BCom finance and tax	Commerce	210021074976	good
4-26-2023 12:16:58	Anusree Rajeev	B com finance and tax	Commerce	220021050398	good
4-26-2023 12:17:01	Chandana P V	Bsc.mathematics	Mathematics	220021030798	good
4-26-2023 12:17:04	Sreedevi. C. S	Bcom Model 2 - Financ	Commerce	220021050420	no opinion
4-26-2023 12:17:04	Deniya Biju	Bcom finance and tax	Commerce	210021053328	good
4-26-2023 12:17:05	Aim joly	Bcom	Commerce	210021053358	good
4-26-2023 12:17:07	Aneesha Ann Solomon	2nd Ba economics	Economics	2100210102774	good
4-26-2023 12:17:13	Sreya vs	B com	Commerce	21002105337	good
4-26-2023 12:17:18	Reshna N. J	Finance & taxation	Commerce	210021074981	good
4-26-2023 12:17:30	Neha.T.R	Bcom Finance and tax	Commerce	210021074980	good
4-26-2023 12:17:34	Abhinava s	Young Entrepreneurshi	Commerce (Bcom)	210021074953	good
4-26-2023 12:17:41	V.A Fatima Noorin	Young Entrepreneurshi	Commerce	210021053355	good
4-26-2023 12:17:48	Revathy V B	Young Entrepreneurshi	Bsc Mathematics	210021002139	good
4-26-2023 12:17:47	Nandana P.A	Young entrepreneur	Economics	220021011749	good

Session 7+8
 Restura Perren Nle Patricia Varnaya
 Date .

1	Joseph Jimmy James	Commerce	James
2	Safaa van	Economics	Safaa
3	Ashika KM	Commerce	Ashika
4	ABEEL K A	Commerce	Abel
5	Kiya v Daniel	Commerce	Kiya
6	Basil v Ponnayil	Economics	Basil
7	Fathima Nusrath	Economics	Fathima
8	KISHAN GUNDE C	Economics	Kishan
9	Kaya Abi Thomas	Commerce	Kaya
10	Maryam Mohamed Siddique	Economics	Maryam
11	Aranya Kijoch	Commerce	Aranya
12	Roshana K.S	Commerce	Roshana
13	Neha T.R	Commerce	Neha
14	Abhina C.S	Commerce	Abhina
15	Devika Lakshmy	Economics	Devika
16	Amritha Rajeev	Commerce	Amritha
17	Lakshmi K.B	Commerce	Lakshmi
18	Sreedevi S.S	Commerce	Sreedevi
19	Blavana R	Commerce	Blavana
20	Muhammad Ghan	Commerce	Muhammad
21	Mandana P.A	Economics	Mandana
22	V.A. Fatima Nisara	Commerce	Fatima
23	Diya Rashmi	Commerce	Diya
24	Deeya V.S	Commerce	Deeya
25	A.Sarika	Commerce	A.Sarika
26	Aravella Ray	Commerce	Aravella
27	Tibios Jay	Commerce	Tibios

ATTENDANCE SUMMARY

Sl.No.	Name of Student	Session Attendance	Assignment
1.	Airinjoly Raphael	100%	100%
2.	Ananya Rajesh	95%	100%
3.	Aneesha Ann	100%	100%
4.	Aneetta Roy	100%	100%
5.	Anusree Ajay	100%	100%
6.	Anusree Rajeev	95%	100%
7.	Ardra E J	90%	100%
8.	Baisil Eldhose	100%	100%
9.	Bhavana R	85%	100%
10.	Chelsy Eldo	100%	100%
11.	Diya Rasheed	100%	100%
12.	Fathima Nisrin	85%	100%
13.	Gayatri S	100%	100%
14.	Jibin Joy	90%	100%
15.	Krishan Ghosh C	100%	100%
16.	Kripa Sobi Thomas	100%	100%
17.	Lakshmi K B	90%	100%
18.	Liya V Daniel	100%	100%

19.	Muhammad Irfan	80%	100%
20.	Mariyam Muhammed Siddique	100%	100%
21.	Muhammed Nasukal K N	80%	100%
22.	Nandhana P R	100%	100%
23.	Nandhana Pradeep Kumar	90%	100%
24.	Sreedevi C S	95%	100%
25.	Sreya V S	90%	100%
26.	Abeez K A	100%	100%
27.	Chandana P V	95%	100%
28.	Abhina C S	90%	100%
29.	Akhila Varghese	100%	100%
30.	Sneha Pradeep	100%	100%
31	Fathima Nusrath	100%	100%
32	Safna Nazrin	100%	100%
33	Akshara K R	100%	100%
34	Anjali K S	85%	100%
35	Aparna M	85%	100%
36	Ashitha K M	80%	100%
37	Devika K Madhu	80%	100%
38	Edwin Fransis	100%	100%
39	Neha T R	100%	50%
40	Deniya Biju	95%	50%

41	Joseph Jimmy James	100%	50%
42	Sarika A	100%	50%

COURSE 8:BASICS OF FITNESS

COURSE 9:BASICS OF YOGA

**COURSE 10:INTERNATIONAL SPORTS
GOVERNANCE**

Union Christian College, Aluva

Department of Physical Education

Notice

The Department of Physical Education shall start Value-added courses on

1. Basics of Yoga
2. Basics of Fitness
3. International sports Governance



UNION CHRISTIAN COLLEGE
ALUVA
Kerala State Council of Educational Research and Training
Kollam

Proposal
of
Value Added Course
on
Physical Education
for
Students
offered by

Department of Physical Education



M. 01000-10
Head
Department of Physical Education
Union Christian College
Aluva - 683 102

Dr. BINDU. M
Head
Department of Physical Education
Union Christian College,
Aluva - 683 102

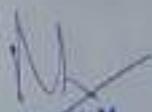


Aim

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective

To give students an in-hand experience of the sports industry and help them build an in depth understanding of the Sports Management sector.


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Head
Department of Physical Education
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Aluva - 683 102



BASICS OF YOGA
VALUE ADDED COURSE
DEPARTMENT OF PHYSICAL EDUCATION
Union Christian College, Aluva

Title: Value Added course in Basics of Yoga

Course Code: VACPE2201

Target group: Under Graduate Students, Union Christian College, Aluva

Learning yoga starts with learning its philosophy. Yoga philosophy is entirely distinct from western philosophy. Its purpose is not mindless questioning, but to deepen our observations of our own experience, ultimately leading us to make better decisions in life that support our health and happiness. The goal of studying yoga philosophy is to develop clarity in our minds about what we are doing here and why.

Objectives of the Course

1. To provide an awareness about the scientific basis and benefits of Yoga.
2. To provide a perfect knowledge about yoga and how to perform asanas
3. To introduce the fundamentals of Health & Physical Fitness
4. To enable the students to lead a healthy lifestyle through Yoga

The course consists of 10 hours theory and 20-hour practical.

Syllabus

Chapter -1

Yoga its origin, Meaning and definition, Need and importance of Yoga in the modern society
Eight limbs of Yoga.

Chapter - 2

Health - Dimensions of Health, Major Systems in Human Body.

Effects of yoga on body system

Guidelines for traditional Yoga practice.

Chapter - 3



[Signature]
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Yogasana – Classification of Yogasana Postures and their benefits, warming up exercises and relaxing asana postures. Introduction to pranayama.

Chapter-4

Standing Postures – Ardhaakachakrasana, Trikonasana, Parivrtta Trikonasana, Ardhaakrasana, Padmasasana

Sitting Postures - Vajrasana, Sasankasana, Suptavajrasana, Paschimatasana, Ustrasana, Padmasana, Nakrasana, Ardhamatayendrasana

Chapter -5

Lying posture - Prone Postures and supine postures

Bhujangasana, Salabhasana, Dhanurasana, Sarvangasana, Matsyasana, Halasana, Chakrasana, Vipartakarani

Suryanamaskar and its benefits

Action plan:

Duration: 30 hrs (10 hrs theory and 20 hrs practicals)

3 months (2 hours/week- Online /Offline (3:30-4:30pm)

Maximum Strength: 30 students

Classes by: Faculty, Department of Physical Education

Course Structure: Theory and Practicals as per the syllabus

Scheme of Examination: Total Marks 100

*75% Attendance is mandatory

Written and Practical Exam will be conducted based on the syllabus

CERTIFICATION

A certificate of the course will be awarded to all those who have successfully completed the theory as well as practical activity in all courses.

Course Coordinators

Coordinator:

Dr. Bindu, M, Assistant Professor of Physical Education, Uman Christian College, Aluva.


Dr. BINDU, M
Head
Department of Physical Education
Uman Christian College



Members:

Dr. Jayadeep V. K., Guest Faculty - Physical Education, Union Christian College, Aluva
Mr. Dilip, C.N, Guest Faculty- Physical Education (BSM), Union Christian College.
Mr. Ajay Gopal, Guest Faculty - Sports Management, Union Christian College, Aluva
Ms. Serikal V. R, Guest Faculty - Management, Union Christian College, Aluva
Ms. Bini Susan Paul, Guest Faculty- Physical Education (BSM), Union Christian College, Aluva

List of students 2022-23

Certificate Course in Yoga (Basic) - VACPE2201

Sl No	Name	Department
1	Ameen Musafir	II BA English
2	Akhila R	IIIA Economics
3	Anuja M V	I BA Economics
4	Adithya Chembayal	I BA Economics
5	Ananya Sanjay	IIBSM
6	A Nandhana	II BSM
7	Anamika Jinadev	I BSM
8	Bintu Jabbar	I BSM
9	Mizreera Hazreen A	II BSc Zoology
10	Hima P K	II BSc Botany
11	Gepika K	II BA Economics
12	Fathima Junsha	I BA History
13	Krishna A	I BA Economics

Dr. Sujith M
Head
Department of Physical Education
Union Christian College,
Aluva - 683 102



14	Karthika Rajeev	III Bcom
15	Jithu Rosa	II BSM
16	Anjana.V	II BSM
17	Anamika Joy	II BSM
18	Dilsha	II Computer Science
19	Prasana.S	II BSM
20	Parvathy Rajeev	III BSc Psychology
21	Reetha Sabu	III BSc Psychology
22	Rojith. R J	III BA English
23	Sankaranarayanan	II BSM
24	Sona P S	II BSc CS
25	Neelima. S.S	II BSM

Attendance Register


Dr. BIKIDU. M
 Head
 Department of Physical Education
 Union Christian College,
 Aluva - 683 102



UNION CHRISTIAN
7 CLASS RESULT OF APPOINTMENT

No	NAME	Date												
		1	2	3	4	5	6	7	8	9	10	11	12	
1	Angelo M. M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P

COLLEGE, ALVA - 2
FOR THE MONTH OF

No	NAME	Date																																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
1	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
2	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
20	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
21	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
23	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
25	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Angelo M. M.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature
 Director of Studies
 Union Christian College
 Alva, Texas



BASICS OF FITNESS
VALUE ADDED CERTIFICATE COURSE
DEPARTMENT OF PHYSICAL EDUCATION
Union Christian College, Aluva

Title: Value Added course in Basics of Fitness

Course Code: VACPE2202

Target group: Under Graduate Students, Union Christian College, Aluva

Objectives of the Course

1. To provide an awareness about the scientific basis and benefits of Physical activity
2. To introduce the fundamentals of Health & Physical Fitness
3. To provide basic knowledge about various modes of fitness program and their influence on
4. Health
5. To develop knowledge and performance of gym equipment's
6. To learn about fitness workouts and its benefits in daily life

Syllabus

Chapter -1- Introduction to physical fitness, Principles of sports training, importance of warming up & cooling down.

Chapter-2- Health – Dimensions of Health, Major Systems in Human Body. Effects of exercise on body systems,

Chapter-3- strength training and its benefits, BMI, Fitness Testing, Health and Safety in Gym Environment flexibility exercise and its benefits,

Chapter- 4-Methods of sports training-various modes of training used to develop motor abilities.

Chapter- 5 -Basic Nutrition & Supplementation-Dietary guidelines for healthy eating.


Dr. BINDU. M
Head
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Aluva - 683 102



Action plan:

Duration: 30 hrs (10 hrs theory and 20 hrs practicals)

3 months (2 hours/week- Online /Offline (3:30-4:30pm))

Maximum Strength: 30 students

Classes by: Faculty, Department of Physical Education

Course Structure: Theory and Practical's as per the syllabus

Scheme of Examination: Total Marks 100

*75% Attendance is mandatory

External Assessment: 60 marks

Written and Practical Exam will be conducted based on the syllabus

CERTIFICATION:

A certificate of the course will be awarded to all those who have successfully completed the theory as well as practical activity of the course.

Course Coordinators

Coordinator:

Dr. Bindu M, Assistant Professor of Physical Education, Union Christian College, Aluva

Members:

Dr. Jayadeep V. K, Guest faculty – Physical Education, Union Christian College, Aluva

Mr. Dilcep C. N, Guest Faculty- Physical Education (BSM), Union Christian College

Mr. Ajay Gopal, Guest Faculty – Sports Management, Union Christian College, Aluva

Ms. Shethal V R, Guest Faculty – Management, Union Christian College, Aluva

Ms. Binu Susan Paul, Guest Faculty- Physical Education (BSM), Union Christian College

Dr. BINDU M
Head
Department of Physical Education
Union Christian College,
Aluva - 683 102



List of students 2022-23

Value added Certificate Course in Fitness (Basic) VACTP/2201

Sl.No	Name	Department
1	Abhinav Sudhesh	II BSM
2	Abhinav C	II BA BSM
3	Ahin Anto	I BA MALAYALAM
4	Ajeesh Reji	I BA BSM
5	Arun Raj D	II BA BSM
6	Aneesh A P	II BA MALAYALAM
7	Alban Joseph	I BSM
8	Abhinav E K	III BSM
9	Arneen K N	I BA BSM
10	Aparna K K	I MA ECONOMICS
11	Adwait Sunil	I BSM
12	Alhira Rajan	II BA ECONOMICS
13	Anju Rajan	III BA HISTORY
14	Gokul K R	II BA ECONOMICS
15	Jana V Joseph	III BA HISTORY
16	Muhammed Shehri	II BSE PHYSICS
17	Muhamamad Aslam K T	I BA HISTORY
18	Muhammed Rameel T A	III BSM
19	Nakil S	III BSM
20	Nikhil K M	I BSM
21	Nijo Shaji	I BA BSM

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22	Rahul M V	I BSM
23	Salvan A	III BA MALAYALAM
24	Sandra T P	II BA HISTORY
25	Shahul K A	II BA ENGLISH
26	Sibin Balakrishnan	II BA BSM
27	Sneha K R	I MA MALAYALAM
28	Sreekanth G S	III BA MALAYALAM
29	Vishnu K V	I BSC MATHS
30	Amarnath P S	III BA English

Attendance Register


Dr. BINDU M
Head

Department of Physical Education
Union Christian College,
Aluva - 683 102



INTERNATIONAL SPORTS GOVERNANCE
VALUE ADDED CERTIFICATE COURSE
DEPARTMENT OF PHYSICAL EDUCATION

Union Christian College, Aluva

Title: Value Added course in International Sports Governance

Course Code: YACPE2203

Target group: 2nd Year Bachelor's in Sports Management students of Union Christian College, Aluva

Objectives of the course:

By learning this course students will acquire sufficient knowledge in sports governance of different countries. We have analyzed different sports policies and business models used in different cities around the world and compared that with Indian sports model. This study helps us in creating a master plan of sports in our state by adopting the good policies and business models we have analyzed from different cities across the world.

Course outcome:

1. To understand the complete governing structure of sports in different countries. We have taken the case studies of Melbourne, Hungary, Manchester, Dubai, Kuala Lumpur and India.
2. To know different sports policies implemented in these countries and states in the last 10 years.
3. To have a good idea on how sports is financed in these countries and also have a good understanding of the contribution of government and private sector towards sports.

The course consists of 30 hours theory.

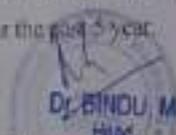
Syllabus

Chapter 1- To study the sports policies and framework of different cities in India and across the world.

Chapter 2- To identify the economic development of Nation and State through sports.

Chapter 3- Understand the contribution of sports to the National GDP for the last 5 years.

Chapter 4- To understand what is the allocation of funds for sports in the State and National budget for the past 5 years.


Dr. BINDU, M
Head
Department of Physical Education
Union Christian College,
Aluva - 683 102



Chapter 5- To analyze different National and international Case studies to understand how a sports master plan has been formulated within different location with respect to type of sports, regulation and standards, physiography of location etc. We have taken the case studies of Melbourne, Hungary, Manchester, Dubai, Kuala Lumpur and India.

Action plan:

Duration: 30 hrs (theory)

3 Months (three hours a week) Offline 2.30pm to 3.30pm.

Maximum Strength: 45 students

Classes by: Faculty, Department of Physical Education

Course Structure: Theory and case studies as per syllabus

Scheme of Examination: Total Marks 100

*75% Attendance is mandatory

Written exam and presentations will be conducted based on the syllabus

CERTIFICATION

A certificate of the course will be awarded to all those who have successfully completed the theory as well as cleared the written exam.

Course Co-ordinators

Coordinators:

Dr. Bindu, M, HOD – Physical Education

Mr. Ajay Gupta, Guest faculty -Sports Management, Union Christian College, Aluva

Members:

Miss Shathal V.R, Guest faculty –Sports Management, Union Christian College, Aluva

Mr. Dilip, C.N, Guest Faculty- Physical Education (BSM), Union Christian College.

Ms. Bina Susan Paul, Guest Faculty- Physical Education (BSM), Union Christian College.

DR. BINDU, M
HOD
Department of Physical Education
Union Christian College,
Aluva-683 102



List of students 2022-23
Certificate Course in International Sports Governance (Basic) VACPE2203

Sl.No	Name	Department
1	A Nandini	II BSM
2	A.R. Rahul	II BSM
3	Abhimand T. N	II BSM
4	Abhinav. C	II BSM
5	Abhinav Sudheer	II BSM
6	Abil Mohammed A K	II BSM
7	Abin Dinesh	II BSM
8	Adil I	II BSM
9	Aditya Janani S	II BSM
10	Akshay K.B	II BSM
11	Albin K Salim	II BSM
12	Alan Thomas	II BSM
13	Anamika Joy	II BSM
14	Anandu Sidhardh V S	II BSM
15	Ananya Sanjay	II BSM
16	Anie Dixon	II BSM
17	Anjana V	II BSM
18	Arin Raj D	II BSM
19	Cyri Rajan	II BSM
20	Dheeraj Gopi	II BSM
21	Eldhose M Joy	II BSM
22	Hafanatul Shadeen K H	II BSM
23	Hashim Subail P	II BSM
24	Iwan Wasily	II BSM
25	Jitha Rose John	II BSM

Dr. BRINDU. M
Head
Department of Physical Education
Union Christian College,
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26	Lijo Behanan	II BSM
27	M R Rahib	II BSM
28	Manu Manoj	II BSM
29	Mohammed Shamil C	II BSM
30	Muhammed Al Sabith	II BSM
31	Muhammed Hshim P M	II BSM
32	Naveen Antony	II BSM
33	Neelima S S	II BSM
34	Nidhin Prakash	II BSM
35	P Sofiya Cyprian Fernah	II BSM
36	Prasanna S	II BSM
37	S Gokul Krishnan	II BSM
38	Saharinoth E T	II BSM
39	Sanjay Subhayan	II BSM
40	Sankaranarayanan K V	II BSM
41	Sibi Balakrishnan	II BSM
42	Thanson Thadevas	II BSM
43	Yohan Eric Thimothu	II BSM

Attendance Register


 DR. BINDU. M
 Head
 Department of Physical Education
 Union Christian College,
 Aluva - 683 102



COURSE 11: PC HARDWARE AND ASSEMBLY
COURSE 12: INTRODUCTION TO OPEN OFFICE

DEPARTMENT OF COMPUTER SCIENCE
UNION CHRISTIAN COLLEGE, ALUVA
VALUE ADDED COURSES

1. PC Hardware and Assembly

a) Syllabus

b) Brochure

c) Student List

d) Attendance List

e) Sample Certificate

2. Introduction to Open Office

a) Syllabus

b) Brochure

c) Student List

d) Attendance List

e)Sample Certificate

Syllabus

PC HARDWARE AND ASSEMBLY

1. Introduction to PC Hardware:

Study of basic I/O systems, Types of Memories- Static RAM and Dynamic RAM, ROM, PROM, EPROM, EEPROM, CPU (Central Processing Unit)- ALU and control unit.

2. Motherboard, Processor and BIOS Configuration:

Study of different types of Motherboards, Motherboard Configuration, Identifying Internal and External connectors, Types of data cables, Types of Processor- Intel Pentium IV, Dual core, Core 2 Duo, Quad processor etc.,

Study of BIOS Set-up- Advance set-up, Boot configuration, Boot Menu.

3. Installation of OS (Operating Software):

Windows/Linux

4. Hard Disk:

Formatting of Hard disk, Partitioning of Hard disk in different logical drives, Disk defragmentation, Disk cleanup, Scan disk etc.,

5. Installation of Device Drivers and Configuration of External devices:

Different types of Motherboard drivers, LAN, Audio, and Video.

Physical set-up of Printers- Performing test print out, Printing of document etc, Scanner set-up, Webcam, Bluetooth device, Memory card reader etc.

1. Assembling PC – Practical

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF COMPUTER SCIENCE



VALUE ADDED COURSE ON:

PC HARDWARE

A N D A S S E M B L Y

- > INTRODUCTION TO PC HARDWARE
- > MOTHER BOARD, PROCESSOR AND BIOS CONFIGURATION
- > INSTALLATION OF OPERATING SYSTEM
- > HARD DISK
- > INSTALLATION OF DEVICE DRIVERS AND CONFIGURATION OF EXTERNAL DEVICES
- > ASSEMBLING PC - PRACTICAL

NOTE: DURATION OF THE COURSE WILL BE OF 30 HOURS AND CERTIFICATES WILL BE ISSUED ON THE SUCCESSFUL COMPLETION OF THE COURSE.

CONTACT:
DR. ASHA DAS (HOD)
+91 94464 59890



PC HARDWARE AND ASSEMBLY 2022-23 STUDENT LIST

Sl No	Admn No.	Name
1	H2120	ADITHYAN RAVI
2	H1544	ADITHYAN SREEJITH
3	H1752	AKSHAY SUNILKUMAR
4	H2121	AMARJITH M
5	H1951	AMEEN NADIRSHA
6	H1425	AMIN NOURIN K A
7	H1729	AMREEN SUHANA C V
8	H2134	ANAGHA BABU
9	H1861	ANANDAKRISHNAN T M
10	H2002	ANIRUDH A MENON
11	H1439	ANISHMA V A
12	H1446	ANJOLI THANKACHAN
13	H1803	ARUN M
14	H1856	AVIV JOY
15	H1858	BHAVANA UNNIKISHNAN
16	H1430	ELDHOSE RAJESH
17	H1978	FASILA ANSARI
18	H1857	FATHIMA NOURIN M A
19	H1659	IRENE J KOORAN
20	H2154	JENIN CHERIYAN
21	H2155	JESSAN SHAJU
22	H1657	MARIYA SHIBI

23	H2051	MOHAMMED RIYAS KHAN M P
24	H1658	NEVIN ALIAS
25	H1498	NIVEA P V
26	H1845	RAMEES MOHAMMED M M
27	H2054	SIDHARTH P B
28	H1532	SILPA BABU
29	H2073	SIMALJAAN SHAMNADH
30	H2046	SREEKUMAR V A
31	H1541	SREERAM J MENON

INTRODUCTION TO OPENOFFICE

UNIT I

OPENOFFICE - WRITER

Introduction to Open Office Suite - Selecting the application package,
Working with Documents- Formatting Documents - Setting Page style- Creating
Tables - Drawing-Tools - Printing Documents

UNIT II

OPENOFFICE-CALC

Introducing Calc, password protection, navigating, Entering, Editing, and Formatting Data, Sorting records, Using Formulas and Functions, Creating Charts and Graphs, Using Graphics in Calc, Printing, Exporting files

UNIT III

OPENOFFICE-BASE

Introduction- Database Concepts – Creating a New Database, Creating Tables, Working with Forms, Creating queries, Finding Information in Databases, Creating Reports, Types of Reports, Printing and Printing preview

UNIT IV

OPENOFFICE-IMPRESS

Introduction – Creating Presentation, Saving Presentation Files, Master Templates & Re-usability, Slide Transition, Making Presentation CDs, Printing Handouts – Operating with MS Power Point files / slides.

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF COMPUTER SCIENCE



VALUE ADDED COURSE ON:

INTRODUCTION TO OPEN OFFICE

> OPENOFFICE - WRITER

> OPENOFFICE - CALC

> OPENOFFICE - BASE

> OPENOFFICE - IMPRESS

NOTE: DURATION OF THE COURSE WILL BE OF 30 HOURS AND CERTIFICATES WILL BE ISSUED ON THE SUCCESSFUL COMPLETION OF THE COURSE.

CONTACT:
DR. ASHA DAS (HOD)
+91 94464 59890



INTRODUCTION TO OPEN OFFICE 2022-23 STUDENT LIST

SI No	Admn No.	Name
1	H1000	ADITHYA T S
2	H0876	ADWAID BABU P
3	H0850	ALEX VARGHESE
4	H0899	AMEENA SHERIN C M
5	H0873	ANEENA M A
6	H1224	ANUGRAH K BARNABAS
7	H0550	ANZIL K M
8	H0919	ARUN RAJESH
9	H0865	ASHLIN V
10	H0931	ASHUTHOSH R
11	H0557	BENJAMIN JOSEPH
12	H1001	DEVARAJAN M A
13	H0553	DHILSHA K A
14	H0853	DIVINIT K BABY
15	H1210	FATHIMA FARIDA T N
16	H0920	GOVARDHAN M V
17	H0992	GOWRI KRISHNAN R
18	H1209	IMTHIYAZ M
19	H0842	JOSE ROY
20	H0862	K R HAREESH MALLAN
21	H0648	K S DAANA FATHIMA
22	H1334	KARISHMA SURESH
23	H1260	LEVIN VARGHESE
24	H1213	MUHAMMED FARIS C A
25	H0772	NANDITHA KRISHNA K P

26	H1347	NAZRIN K FAIZAL
27	H0821	NIMAL BABU
28	H1271	SALVIN SILSON
29	H1329	SANJAY K SAJI
30	H1225	SHANAVAS V BASHEER
31	H1028	SHYAMA MOHINI P
32	H0854	SIRIL JOHNY
33	H1256	SNEHA ELIZABETH MATHEW
34	H0559	SONA P S
35	H1324	SREENIDHI S R
36	H0923	THASWANA M S
37	H0721	YEDHUKRISHNA T B

COURSE 13: HEDGE

COURSE 14: MICROSOFT EXCEL

COURSE 15: DATA ANALYTICS

**UNION CHRISTIAN COLLEGE,
SCHOOL OF MANAGEMENT STUDIES**

Notice

Department of MBA will start Value – added courses

1. Microsoft Excel training
2. Data Analytics
3. Hedge

It shall be 40 contact hours course including a series of lectures and practical session

Students from the departments are requested to enrol themselves for the course and participate actively to make it a grand success.




Head of the department
HEAD OF THE DEPARTMENT,
MBA PROGRAMME,
UNION CHRISTIAN COLLEGE,
ALLUVA-683 192

Proposal

Of

Value Added Course

On

1. Microsoft Excel training

2. Data Analytics

3. Hedge

For

MBA students

Offered by

School of management studies



Aim:

The Value added courses are provided to enhance student's overall education experience and equip them with additional skills, knowledge, and competencies beyond their core academic curriculum. These courses are designed to offer practical and specialized learning opportunities that can benefit students in various ways like skill enhancement, diversification, entrepreneurship and innovation, personal growth.

Objective:

The primary objective is to equip students with practical skills, and to bridge the gap between academic knowledge and practical application in real world contexts.



A handwritten signature in blue ink, appearing to read "Aravindhan".

HEAD OF THE DEPARTMENT,
MBA PROGRAMME
UNION CHRISTIAN COLLEGE
ALUVA-683 102

Course Content:

Training in Data Analytics	
Module 1	Introduction to data analytics Importance, types, process and workflow
Module 2	Data transformation and feature engineering EDA, data visualization techniques
Module 3	Case studies and real world application

Training in Microsoft Excel	
Module 1	Introduction to Microsoft Excel Basic formulas and functions
Module 2	Managing data and worksheets Advanced functions, data analysis tools
Module 3	Data visualization tools Charts and graphs, data validation and auditing tools

Training in Financial Services (Hedge)	
Module 1	Introduction to financial services
Module 2	Investment management
Module 3	Financial markets and trading

Duration: 32 hours (6 days)

Eligibility: under graduation

Batch size: 60 students

Class Timing: 9:30am – 4:30am

Course coordinator: Chinna Mary John

Faculty Member: Jomon Joseph



Janiben Bino
Head of the department

Janiben Bino
HEAD OF THE DEPARTMENT
MSA PROGRAMME
LINCOLN CHRISTIAN COLLEGE
ALUVA-685 152

School of management studies

Workload distribution

Sl.No	Name of Faculty	Theory	Practical's
1	Microsoft Excel	5 hours	6 hours
2	Hedge	5 hours	5 hours
3	Data Analytics	5 hours	6 hours


Course coordinator
Chinnu Mary John


Head of the Department
Janisben Bino
HEAD OF THE DEPARTMENT
MBA PROGRAMME
UNION CHRISTIAN COLLEGE
ALUVA-683 102


Director
Padmaja Devi A
DIRECTOR
MBA PROGRAMME
UNION CHRISTIAN COLLEGE
ALUVA - 683 102



**UNION CHRISTIAN COLLEGE,
SCHOOL OF MANAGEMENT STUDIES**

CRITERIA 1.2.1 & 1.2.2

(VALUE ADDED COURSES)

Application form

Name of Student:

Class:

Admission Number:

Email Address:

Mobile Number:

Address for Communication:

Course Name:

Signature:



Head of the Department

Jyoti Bhatt
HEAD OF THE DEPARTMENT,
MBA PROGRAMS
UNION CHRISTIAN COLLEGE
ALVA-643 102



Microsoft Office Specialist

Dheeraj Mohan

Has successfully completed the requirements to be recognized as a Microsoft Office Specialist for
Office Excel® 2016

Office Excel® 2016

Issue Date: 02/08/2016
Valid Until: 02/08/2018

[Signature]
Head Office
Microsoft Office

Microsoft
Office Specialist



CERTIFICATION IN FINANCIAL SERVICES

This certificate is awarded to

FIROO MUHAMMED

Has successfully completed the requirements of program

With an overall rating of **A**

Conducted by

Hedge School of Applied Economics

In association with

U.C. College, Alwar

29/05/2015

[Signature]



[Signature]
Signature

[Handwritten mark]





**CERTIFICATE
OF COMPLETION**

THE CERTIFICATE IS HUMBLY PRESENTED TO

Athira P S

Has Successfully Completed Training On **Data Analytics & Data Visualization**
Using **SPSS , Excel, Power BI**

Date - **19-06-2023**



Jomon Joseph
Head Of Learning
& Development



2021 admission students list
Attendance List

[Hedge, Equities pri Ltd. Training cell]

Slno	Name	01.02.21		02.02.21		03.02.21	
		AM	PM	AM	PM	AM	PM
1	ABINA VALSALAN	✓	✓	✓	✓	✓	✓
2	AJAY DAVIS	✓	✓	✓	✓	✓	✓
3	AKSHARA SABU	✓	✓	✓	✓	✓	✓
4	AKSHAYA SANTHOSH	✓	✓	✓	✓	✓	✓
5	ALDRIN LAWRENCE	X	A	A	✓	✓	✓
6	ALDRINA FRANCIS	X	A	✓	✓	✓	✓
7	ALFAS K A	✓	✓	✓	✓	✓	✓
8	ALFIN ANTO	✓	✓	✓	✓	✓	✓
9	AMALA JOSHNA	X	A	a	a	a	a
10	ANGEL MARY K J	✓	✓	✓	✓	✓	✓
11	ANJALI J	✓	✓	✓	✓	✓	✓
12	ANJANA N KUMAR	✓	✓	✓	✓	✓	✓
13	ANJANA POULOSE	✓	✓	✓	✓	✓	✓
14	ANJU K THANKACHAN	✓	✓	✓	✓	✓	✓
15	ANJUMOL T R	✓	✓	✓	✓	✓	✓
16	ANNA SHIBU	✓	✓	✓	✓	✓	✓
17	ANTO JOSE	✓	✓	✓	✓	✓	✓
18	APARNA RAJEEV	✓	✓	✓	✓	✓	✓
19	ARUN S	✓	✓	✓	✓	✓	✓
20	ARYA S	✓	✓	a	a	a	a
21	ASWATHY MOHANAN	✓	✓	✓	✓	✓	✓
22	ASWATHY SURESH	✓	✓	✓	✓	✓	✓
23	ASWATHY VISWANATHAN	X	A	a	a	a	a
24	ATHIRA P S	✓	✓	✓	✓	✓	✓
25	BIBIN BIJU	✓	✓	✓	✓	✓	✓
26	DELEENA A B	X	X	✓	✓	a	a
27	DEVIPRIYA M S	✓	✓	✓	✓	✓	✓
28	DILMA P T	✓	✓	✓	✓	✓	✓
29	DIXON BAIJU	X	A	✓	✓	✓	✓
30	FARZANA RAFFEQ	✓	✓	✓	✓	✓	✓
31	FASNA K N	X	X	a	a	a	a
32	FEMINA THOMAS	X	A	✓	✓	✓	✓
33	HARISHMA HARI	✓	✓	✓	✓	✓	✓
34	HIMA K H	✓	✓	✓	✓	✓	✓
35	HRIDHYA K J	✓	✓	✓	✓	✓	✓
36	JAYAKRISHNAN K	✓	✓	✓	✓	✓	✓
37	JIYA MARY THOMAS	✓	✓	✓	✓	✓	✓
38	JOJI JOHN	X	✓	a	✓	a	✓
39	KRISHNA O R	X	X	a	a	a	a
40	MEGHA RAJEEV	X	A	✓	✓	✓	✓
41	MUHAMMED IJAS	✓	✓	✓	✓	✓	✓
42	NANDU ANAND	✓	✓	a	a	✓	✓
43	NASRIN K MUHAMMED	✓	✓	✓	✓	✓	✓
44	N N NAZIHA FARZANA	X	A	✓	✓	✓	✓
45	NEENU M H	✓	✓	✓	✓	✓	✓
46	NEERAJA T S	X	X	a	a	a	a

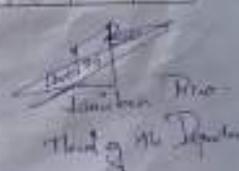


HEAD OF THE DEPARTMENT
MBA PROGRAMME
UNION CHRISTIAN COLLEGE
ALUVA-683 102

Sl no	Name	11.9.21		12.9.21		13.9.21		14.9.21		15.9.21	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Aadithya R Krishna										
2	Abdul Fehad D K										
3	Aarshat V D										
4	Ajmi J										
5	Ajmal Parthasarathi Basheer										
6	Ashwin Shreef										
7	Ashika V A										
8	Ashish Padmanabhan V A										
9	Ashishashwin M R										
10	Ashu M										
11	Aswini K S										
12	Aswini K										
13	Aswini T S										
14	Aswini Rajesh										
15	Aswini V Deepakumar										
16	Ashwin M R										
17	Ashu Jayaprakash										
18	Ashu Megh										
19	Asoka Parthath P A										
20	Asna M C M										
21	Aswinath T V										

Sl no	Name	11.9.21		12.9.21		13.9.21		14.9.21		15.9.21	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
22	Ashika Ashraf										
23	Ashika V S										
24	Colin D Rose										
25	Diva Ismail										
26	Terina T A										
27	Fargana C S										
28	Firoz Muhammad E A										
29	Fauzia E										
30	Hafoos A A										
31	Hudha Abdul Karim										
32	Jasmath Ismail										
33	Allet Joseph										
34	Juwarkiya T S										
35	Kareema Imran										
36	Krishnapriya R										
37	Litty Sunny Mathew										
38	Marwa Abdul Jaleel										
39	Milan										
40	Mohammed Shibil T P										
41	Muhammad Shebab K S										
42	Muhammad Rodisha C N										
43	Nandana K S										
44	Nidina Soufi										

Sl no	Name	11.8.21		17.8.21		13.9.21		14.8.21		15.8.21	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
40	R Sreedhar										
46	Rashmi Vijayan										
47	Rinsa Mol A R										
48	Sajha Harish										
49	Sai Harish										
50	Samina K S										
51	Shelma Judy										
52	Sora Mary Thomas P										
53	Tiya Shabu										
54	V S Krishnasdas										
55	Vandha Vijay										
56	Vishak Shaji C C										
57	Vishnu sahyam										
58	Vismaya T V										
59	Vismaya Vijay										


 Head of the Department

Sl no	Name	11.8.21		17.8.21		13.9.21		14.8.21		15.8.21	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Asithya R Krishna										
2	Abhinav D K										
3	Arshad V D										
4	Ajmi J										
5	Ajmal Parakkalathil Basheer										
6	Abhinav Shreef										
7	Anagha V A										
8	Akshayha Padmanabhan V A										
9	Aravindharajasekar M R										
10	Arju M										
11	Anusree K S										
12	Adarna K										
13	Adarna T S										
14	Arathi Rajesh										
15	Anathy V Gopakumar										
16	Ajith M R										
17	Arya Jayaprakash										
18	Arpa Meghin										
19	Asaha Farhat P A										
20	Asna Mol C M										
21	Aravindh T V										

Sl no	Name	11.9.23		12.9.23		13.9.23		14.9.23		15.9.23	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
22	Ashfa Ashraf										
23	Adina V S										
24	Collin D Rose										
25	Giya Ismail										
26	Furka T A										
27	Farzana C S										
28	Firoz Muhammed K A										
29	Fauzia E										
30	Hafees W A										
31	Hudha Abdul Karim										
32	Jannath Ismail										
33	Aliet Joseph										
34	Juswariya T S										
35	Kanana Ijazam										
36	Krishnapriya K										
37	Litty sunny Mathew										
38	Marwa Abdul Jaleel										
39	Milan										
40	Mohammed Shibi T P										
41	Muhammed Shabab K S										
42	Muhammed Badusha O N										
43	Nandana K S										
44	Nidina Soufi										

Sl no	Name	11.9.23		12.9.23		13.9.23		14.9.23		15.9.23	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
45	R Sreehari										
46	Rashmi Vijayan										
47	Rinsa Mol A R										
48	Sajha Harish										
49	Sai Harish										
50	Samina K S										
51	Shelna Judy										
52	Soba Mary Thomas P										
53	Tiya Shabu										
54	V S Krishnadas										
55	Varsha Vijay										
56	Vishak Shaji C C										
57	Vishnu sahyam										
58	Vismaya T V										
59	Vismaya Vijay										

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COURSE 16: CERTIFIED MANAGEMENT ACCOUNTANT
COURSE 17: DIPLOMA IN FINANCIAL ACCOUNTING

UNION CHRISTIAN COLLEGE ALUVE

DEPARTMENT OF COMMERCE

NOTICE

The department of commerce shall start value added courses

1. DIPLOMA IN FINANCIAL ACCOUNTING (90 hours)
2. CERTIFIED MANAGEMENT ACCOUNTANT (6-18 months)
3. TALLY ERP 9.0 (45 hours)

It shall be including a series of lectures and practical session. Students from the department are requested to enroll themselves for the course and participate actively to make it a grand success.

Registration forms are available from the departments



MS BISHA THOMAS
Head of the Department
Department of Commerce
Union Christian College,
Aluve

Proposal of value added course on diploma in financial accounting (90 hours), certified management accountant (6-18 months), tally ERP 9.0 (45 hours) for commerce students offered by department of commerce



MS BISHA THOMAS
Faculty in Charge
Department of Commerce
Ushah Chavhan College
Awarant

Aim

Value added courses generally defined as a part of education that provides the specialization professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an actively or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain type of job.

OBJECTIVE:

To give opportunities for professional growth, career improvement of technical and professional knowledge of computer and its components, along with its connection and networking.



MS BISHA THOMAS
Head of the Department
Department of Commerce
St. Ann's College
Alappattur

Course Content (CERTIFIED MANAGEMENT ACCOUNTANT)

CO Number	Description	CO Evaluation methods
CO1	EXTERNAL FINANCIAL REPORTING, PLANNING BUDGETING AND FORCASTING, PERFORMANCE MANGEMENT	LECTURE AND TEST PAPERS
CO2	COST MANAGEMENT, INTERNAL CONTROLS	DEMONSTRATION, MOCK TESTS
CO3	FINANCIAL STATEMENT ANALYSIS, CORPORATE FINANCE	LECTURES AND PRACTICAL METHODS
CO4	DECISION ANALYSIS, RISK MANAGEMENT	LECTURES
CO5	INVESTMENT DECISION AND PROFESSIONAL ETHICS	PRACTICAL METHODS AND LECTURING

Module 1		Hours : 90		
Syllabus: EXTERNAL FINANCIAL REPORTING DECISION				
S/no	CO Number	Topic (Activity)	No of hours	Instructional methods to be used
1	1	FINANCIAL STATEMENTS	10	LECTURES AND PROBLEM SOLVING
2	1	STRATEGIC PLANNING	10	LECTURES
3	1	BUDGETING CONCEPTS	20	LECTURES
4	2	MEASUREMENT CONCEPTS	20	LECTURES
5	2	GOVERNANCE, RISK, COMPLIANCE	10	LECTURES
6	2	SYSTEM CONTROL AND SECURITY MEASURES	20	LECTURES
7	2	INFORMATION SYSTEM	20	LECTURES



MS BISHA THOMAS
 Head of the Department
 Department of Commerce
 Green Clavian College,
 Avayal

FUNCTION WITH TALLY				
1	CO2	LEDGERS, MULTIPLE LEDGERS	2	LAB
Module 3				
Syllabus: INVENTORY MANAGEMENT				
Slno	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO3	STOCK GROUPS, STOCK CATEGORIES	3	LAB
2	CO3	UNIT OF MEASURE, STOCK ITEM	3	LAB
Module 4				
Syllabus: VOUCHER ENTRIES				
Slno	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO4	INTRODUCTION AND CREATION OF VOUCHERS	3	LAB
2	CO4	PREPARATION OF RECONCILIATION STATEMENTS	3	LAB
Module 5				
Syllabus: ADVANCE ACCOUNTING IN TALLY AND GENERATING REPORTS				
Slno	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO5	BILL WISE DETAILS	2	LAB
2	CO5	FINANCIAL STATEMENTS- TRADING ACCOUNT, PROFIT AND LOSS ACCOUNT AND BALANCE SHEET	2	LAB

Duration:- (45 hours)

Batch size: 100 students

Class timing: Thursday evening (6.30 p.m)

Course coordinator:




MEEISHA THOMAS
 Head of the Institution,
 Department of Commerce
 Uthirancheri College,
 Arakkal



Union Christian College, Aluva



Department of Commerce
In Association with

VINTAGE INFO SOLUTIONS

ADD ON COURSES

1. DIPLOMA IN FINANCIAL ACCOUNTING

- Basic Accounting
- Manual Accounting
- Tally PRIME with GST
- GST Filing
- GCC VAT
- TDS
- Payroll
- Service Related Projects
- Trading Related Projects

2. CERTIFIED IN DIGITAL MARKETING

- Social Media Marketing (SMM)
- Social Media Optimization (SMO)
- Search Engine Marketing (SEM)
- Search Engine Optimization (SEO)
- Content Marketing
- Affiliate Marketing
- Keyword Research
- WhatsApp Marketing
- SMS Marketing
- Email Marketing
- Integrated Marketing Strategy

STUDENTS BENEFITS

- Placement Support and Job Fair
- Job Portal
- Interview Preparation Class
- Resume Preparation Class
- Training From Experts

FOR MORE DETAILS

+91 9747007273

9526070063

Head
of the Dept.
of Commerce
Union Christian College
Aluva

Attendance
B.Com Model I & II

The image shows an open attendance register. The left page is titled "SECTION'S ATTENDANCE REGISTER" and the right page is titled "ALL THE REGISTERED". Both pages have columns for names, dates, and attendance status. The entries are handwritten in blue ink.

SECTION'S ATTENDANCE REGISTER		ALL THE REGISTERED	
Sl. No.	Name	Date	Attendance
1	Abhishek K. K.	20/08/2020	Present
2	Abhishek K. K.	21/08/2020	Present
3	Abhishek K. K.	22/08/2020	Present
4	Abhishek K. K.	23/08/2020	Present
5	Abhishek K. K.	24/08/2020	Present
6	Abhishek K. K.	25/08/2020	Present
7	Abhishek K. K.	26/08/2020	Present
8	Abhishek K. K.	27/08/2020	Present
9	Abhishek K. K.	28/08/2020	Present
10	Abhishek K. K.	29/08/2020	Present
11	Abhishek K. K.	30/08/2020	Present
12	Abhishek K. K.	31/08/2020	Present
13	Abhishek K. K.	01/09/2020	Present
14	Abhishek K. K.	02/09/2020	Present
15	Abhishek K. K.	03/09/2020	Present
16	Abhishek K. K.	04/09/2020	Present
17	Abhishek K. K.	05/09/2020	Present
18	Abhishek K. K.	06/09/2020	Present
19	Abhishek K. K.	07/09/2020	Present
20	Abhishek K. K.	08/09/2020	Present
21	Abhishek K. K.	09/09/2020	Present
22	Abhishek K. K.	10/09/2020	Present
23	Abhishek K. K.	11/09/2020	Present
24	Abhishek K. K.	12/09/2020	Present
25	Abhishek K. K.	13/09/2020	Present
26	Abhishek K. K.	14/09/2020	Present
27	Abhishek K. K.	15/09/2020	Present
28	Abhishek K. K.	16/09/2020	Present
29	Abhishek K. K.	17/09/2020	Present
30	Abhishek K. K.	18/09/2020	Present
31	Abhishek K. K.	19/09/2020	Present
32	Abhishek K. K.	20/09/2020	Present
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34	Abhishek K. K.	22/09/2020	Present
35	Abhishek K. K.	23/09/2020	Present
36	Abhishek K. K.	24/09/2020	Present
37	Abhishek K. K.	25/09/2020	Present
38	Abhishek K. K.	26/09/2020	Present
39	Abhishek K. K.	27/09/2020	Present
40	Abhishek K. K.	28/09/2020	Present
41	Abhishek K. K.	29/09/2020	Present
42	Abhishek K. K.	30/09/2020	Present
43	Abhishek K. K.	01/10/2020	Present
44	Abhishek K. K.	02/10/2020	Present
45	Abhishek K. K.	03/10/2020	Present
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50	Abhishek K. K.	08/10/2020	Present
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53	Abhishek K. K.	11/10/2020	Present
54	Abhishek K. K.	12/10/2020	Present
55	Abhishek K. K.	13/10/2020	Present
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62	Abhishek K. K.	20/10/2020	Present
63	Abhishek K. K.	21/10/2020	Present
64	Abhishek K. K.	22/10/2020	Present
65	Abhishek K. K.	23/10/2020	Present
66	Abhishek K. K.	24/10/2020	Present
67	Abhishek K. K.	25/10/2020	Present
68	Abhishek K. K.	26/10/2020	Present
69	Abhishek K. K.	27/10/2020	Present
70	Abhishek K. K.	28/10/2020	Present
71	Abhishek K. K.	29/10/2020	Present
72	Abhishek K. K.	30/10/2020	Present
73	Abhishek K. K.	31/10/2020	Present
74	Abhishek K. K.	01/11/2020	Present
75	Abhishek K. K.	02/11/2020	Present
76	Abhishek K. K.	03/11/2020	Present
77	Abhishek K. K.	04/11/2020	Present
78	Abhishek K. K.	05/11/2020	Present
79	Abhishek K. K.	06/11/2020	Present
80	Abhishek K. K.	07/11/2020	Present
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85	Abhishek K. K.	12/11/2020	Present
86	Abhishek K. K.	13/11/2020	Present
87	Abhishek K. K.	14/11/2020	Present
88	Abhishek K. K.	15/11/2020	Present
89	Abhishek K. K.	16/11/2020	Present
90	Abhishek K. K.	17/11/2020	Present
91	Abhishek K. K.	18/11/2020	Present
92	Abhishek K. K.	19/11/2020	Present
93	Abhishek K. K.	20/11/2020	Present
94	Abhishek K. K.	21/11/2020	Present
95	Abhishek K. K.	22/11/2020	Present
96	Abhishek K. K.	23/11/2020	Present
97	Abhishek K. K.	24/11/2020	Present
98	Abhishek K. K.	25/11/2020	Present
99	Abhishek K. K.	26/11/2020	Present
100	Abhishek K. K.	27/11/2020	Present
101	Abhishek K. K.	28/11/2020	Present
102	Abhishek K. K.	29/11/2020	Present
103	Abhishek K. K.	30/11/2020	Present
104	Abhishek K. K.	01/12/2020	Present
105	Abhishek K. K.	02/12/2020	Present
106	Abhishek K. K.	03/12/2020	Present
107	Abhishek K. K.	04/12/2020	Present
108	Abhishek K. K.	05/12/2020	Present
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110	Abhishek K. K.	07/12/2020	Present
111	Abhishek K. K.	08/12/2020	Present
112	Abhishek K. K.	09/12/2020	Present
113	Abhishek K. K.	10/12/2020	Present
114	Abhishek K. K.	11/12/2020	Present
115	Abhishek K. K.	12/12/2020	Present
116	Abhishek K. K.	13/12/2020	Present
117	Abhishek K. K.	14/12/2020	Present
118	Abhishek K. K.	15/12/2020	Present
119	Abhishek K. K.	16/12/2020	Present
120	Abhishek K. K.	17/12/2020	Present
121	Abhishek K. K.	18/12/2020	Present
122	Abhishek K. K.	19/12/2020	Present
123	Abhishek K. K.	20/12/2020	Present
124	Abhishek K. K.	21/12/2020	Present
125	Abhishek K. K.	22/12/2020	Present
126	Abhishek K. K.	23/12/2020	Present
127	Abhishek K. K.	24/12/2020	Present
128	Abhishek K. K.	25/12/2020	Present
129	Abhishek K. K.	26/12/2020	Present
130	Abhishek K. K.	27/12/2020	Present
131	Abhishek K. K.	28/12/2020	Present
132	Abhishek K. K.	29/12/2020	Present
133	Abhishek K. K.	30/12/2020	Present
134	Abhishek K. K.	31/12/2020	Present

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[Handwritten Signature]

MS BISHA THOMAS
 Head of Department
 Department of Commerce
 Union Christian College
 Alwayar

No.	Name	Year	Grade	Score	Remarks
1
2
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MS BISHA THOMAS
 Head, Department of Commerce
 Saint Chrysostom College
 Marikay

Teacher's Attendance Register				For the Month of	
No.	Name	Days Present	Days Absent	Remarks	Signature
1	Amal Kumar S. S.				
2	M. S. S. S.				
3	Dr. J. S. S.				
4	Dr. M. S. S.				
5	M. S. S.				
6	M. S. S.				
7	M. S. S.				
8	M. S. S.				
9	M. S. S.				
10	M. S. S.				
11	M. S. S.				
12	M. S. S.				
13	M. S. S.				
14	M. S. S.				
15	M. S. S.				
16	M. S. S.				
17	M. S. S.				
18	M. S. S.				
19	M. S. S.				
20	M. S. S.				
21	M. S. S.				
22	M. S. S.				
23	M. S. S.				
24	M. S. S.				
25	M. S. S.				
26	M. S. S.				
27	M. S. S.				
28	M. S. S.				
29	M. S. S.				
30	M. S. S.				
31	M. S. S.				



MS. SISHA THOMAS
 Head Teacher
 Government College
 Thiruvananthapuram
 Kerala

Teacher's Attendance Register				for the month of	
No.	Name	Date	Time	Present	Absent
40	Jyoti S. Shinde				
41	Maya Jadhav				
42	Sweta Dhad				
43	Manoj Kumar				
44	Deepa Phule				
45	Manoj S. S.				
46	Aditi P. Joshi				
47	S. Arjun Kumar				
48	Manisha Jadhav				
49	Shruti Desai				
50	Uma Patil				

[Signature]

N.T. BISHA THE
 Head of the School
 Government of Karnataka
 Jyoti Shinde College
 Mysore

COURSE 18: ADVERTISMENT WRITING (□□□□□□□□)

COURSE 19: DESKTOP PUBLISHING(□□.□□.□□.)

1. ADVERTISEMENT WRITING (□□□□□□□□)

SYLLABUS

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF MALAYALAM
Criteria 1.2.1 & 1.2.2
VALUE ADDED COURSES

UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF MALAYALAM

Notice

The department of Malayalam has started two value added courses

1. Advertisement Writing (പരസ്യ എഴുതി) - Course Code :MAL 23VAC300

2. Desktop Publishing (പരസ്യ എഴുതി) Course Code MAL 23VAC301

Duration – 1 Sem/30 hrs

Coordinators

Dr. Saju Mathew

Dr. Vidhu Nanyam


Prof. Dr. M. L. Puzhassery
Principal
Union Christian College, Aluva-2



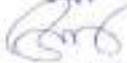
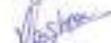

Dr. VIDHU NANYAM
Head of the Department
Department of Malayalam
U.C. College, Aluva-691102

Class No	Name of student	Class No	Name of student
A 165	ABHISHEK N D	A 190	FOUSIYA P A
A 166	ABIN ANTO M N	A 191	GOPAKUMAR G
A 167	ADHEENA GOPIKA T S	A 192	HARIKRISHNA. B. A.
A 168	AJAY AJIKUMAR	A 193	HARSHA SUNDESH
A 169	AKSHARA ADITHYAN	A 194	JYOTHIKA P
A 170	ALAKANANDA S MOHAN	A 195	MANJIMA.M
A 171	ALBIN ANTONY	A 196	MEENAKSHI T S
A 172	ALOMI SHAJI	A 197	MIDHUN T M
A 173	ALVIN T S	A 198	NANDANA AJI
A 174	AMAN SAVEDH	A 199	NANDANA P R
A 175	ANANTHAKRISHANAN T U	A 200	NANDANA RAJU
A 176	ANEESHA M S	A 201	NIDHIN K
A 177	ANJALI P S	A 202	PARVATHY M U
A 178	ANOSH RAJAN	A 203	RAHNA MOL B P
A 179	ANSILA. K. S	A 204	RAHUL RAJENDRAN
A 180	ANU KRISHNAN S	A 205	REVATHY V S
A 181	ARCHANA T	A 206	SAMUEL MATHEW
A 182	ARUN SURESH	A 207	SANDRAMOL T S
A 183	ARUNIMA K M	A 208	SHANI FATHIMA A S
A 184	ARYA V P	A 209	SIHANA FARISA T J
A 185	ATHULKRISHNA DINU	A 210	SUBISHA M P
A 186	AYYANARSWAMI N	A 211	VAISHNAVI.A.J
A 187	BHAGYALAKSHMI P N	A 212	VIPIN ALIAS
A 188	DARSANA RAJAN	A 213	VYSHAK M
A 189	FATHIMA SAHIRA K S		

STUDENT ATTENDANCE

Advertisement Writing (□□□□□□)

Value Added Course - Student Attendance
2BA Malayalam
Uthara

	<u>Name</u>	<u>Signature</u>
1)	Abhin Antony	
2)	Arun Suresh	ARUN
3)	Gopakumar . a.	
4)	Aman Suresh	
5)	Samuel Mathew	
6)	Abhishek . N.D.	
7)	Nishin . K.	
8)	Aradhya	
9.	Anosh Rajan	
10.	Aneeka . H.S	
11	Mecrinals	
12	Harsha Suresh	
13	Nandana Raju	
14	Fausiya P A	
15	Rakshita mal BP	
16	NA DNARAJI	
17	Ajalti P.S	
18	Vaishnavi A J	
19	Vipra Ajees	

- 20 Rahul Rajendran (Rahul)
 21 Revathy v.s Revathy
 22 shani fathima Shani
 23 Sahira Sahira

2nd hr

- | | | |
|----------------------|--------------------|-----------------------------|
| 1. shani fathima | Shani | 21 Harsha Sundesh Harsha |
| 2. Revathy v.s | Revathy | 22 Vipin Alias Vipin |
| 3. fathima sahira | Fathima | 23 Arcecha M.S. Arcecha |
| 4. varshnavi | Varshnavi | 24 Meerabali T.S. Meerabali |
| 5. Anjali | Anjali | |
| 6. Abhishek M.D. | Abhishek | |
| 7. Rahul | Rahul | |
| 8. Nishik | Nishik | |
| 9. Aman Savithi | Aman | |
| 10. Samuel Mathew | Samuel | |
| 11. Umapakumari | Umapa | |
| 12. Albin Antony | Albin | |
| 13. Arun Suresh | ARUN | |
| 14. Parasathy. M. V. | Parasathy | |
| 15. Nandana Raja | Nandana | |
| 16. Fouziya P A | Fouziya | |
| 17. Rakha mal BP | Rakha | |
| 18. NANDANAASI | NA | |
| 20. Anosh Rajan | Anosh | |



Dr. VIDHU NARAYAN
 Head of the Department
 Department of Malayalam
 U.S. College, Aluva-683102

Prof. Dr. M. I. Punnose
 Principal
 Union Christian College, Aluva-2

2. DESKTOP PUBLISHING (□□.□□.□□.)

SYLLABUS

Department of Malayalam
Union Christian College, Aluva
Add-on course

മലയാളം അധ്യയനം
കോഴ്സ് രേഖാമൂലം - ഒരു സൗകര്യമുള്ള 30 മണിക്കൂർ

അദ്ധ്യായം - 1 (7 മണിക്കൂർ)

അക്ഷരം പരിഷ്കരണം, ഇൻപുട്ട് അറ്റാച്ച്മെന്റ് ഉപയോഗങ്ങൾ- സെലിക്ട് ചെയ്യുക - അടർട്ട് ചെയ്യാൻ
(Auto correct, spell check & grammar check, undo & redo, Text formatting
Changing case, drop caps, colouring & highlighting text, adding special characters,
bullets & numbering, Document formatting Paragraph formatting, Alignment, line
spacing, Indentation, Tabs, using the ruler, Margins & page orientation, Page break
Headers & footers, Page numbering Advanced page layout in word
Borders, box, shading, page fills & back ground)

അദ്ധ്യായം - 2 (10 മണിക്കൂർ)

ഡ്രോയിംഗ് ടാബിൾ പബ്ലിഷിംഗ്- പേജ് നമ്പർ, ഇൻഡന്റേഷൻ, അഡ്ജസ്റ്റ്, ഫോട്ടോ ഇൻസെർട്ട് ചെയ്യുകയും
പരിഷ്കരിക്കുകയും ചെയ്യുന്നു.

അദ്ധ്യായം - 3 (7 മണിക്കൂർ)

അക്ഷരം പരിഷ്കരണം അക്ഷരം ഇൻപുട്ട് ചെയ്യാൻ ഒരു അറ്റാച്ച്മെന്റ് ചെയ്യുകയും പരിഷ്കരിക്കുകയും
ചെയ്യുകയും ചെയ്യുന്നു. പേജ് നമ്പർ പരിഷ്കരിക്കുന്നു.

അദ്ധ്യായം - 4 (6 മണിക്കൂർ)

പ്രിന്റിംഗ് വിവരങ്ങൾ, പ്രിന്റിംഗ് ചെയ്യുക, അക്ഷരം പരിഷ്കരണം - അക്ഷരം പരിഷ്കരണം ചെയ്യുകയും
പരിഷ്കരിക്കുകയും ചെയ്യുന്നു. അക്ഷരം പരിഷ്കരണം ചെയ്യുകയും ചെയ്യുന്നു.

1. പേജ് നമ്പർ ചെയ്യാൻ ചെയ്യുക
2. പേജ് നമ്പർ ചെയ്യാൻ ചെയ്യുക
3. പേജ് നമ്പർ ചെയ്യാൻ ചെയ്യുക
4. Office 2003, dreamtech Press-NewDelhi.
5. Scott Basham, 2009, Pagemaker in Easy steps, dreamtech Press-New Delhi.
6. Dawn Erdos, 1994, Teach yourself Core IDRAW, BPH publications-New Delhi.
7. Stephen Copstake, 1994, CoreIDRAW, Complex Computer Publishing.
8. Adrienne Thommy 2004, photoshop, Firewall media-Newdelhi.
9. Deke MC Clelland, 2005, Photoshop, Wiley eastern-dreamtech India Pvt.Ltd.

HOD

Dr. VISHU NARAYAN
Head of the Department
Department of Malayalam
U.C. College, Aluva-683102

STUDENT ENROLLMENT LIST

3 BA MALAYALAM

Class No	Name of student	Class No	Name of student
B 155	ADITHYA C		
B 156	ADITHYAN SHIBU	B 181	DARSHANA SUMESH
B 157	AFSATH K U	B 182	DEEPAK P D
B 159	AJAY KRISHNAN V	B 185	GOPIKA G MENON
B 160	AKASH SHIBU	B 186	GOPIKA VIJU
B 162	ALEESHA SEBASTIAN	B 187	JASNA HORMIS K
B 163	AMINA YASMIN K M	B 188	JIBIN THOMAS
B 164	AMRUTHAMOL P S	B 190	MARIYA AUGUSTINE
B 165	ANAGHA ELDHO	B 191	MATHEWS YOHANNAN
B 166	ANANTHALAKSHMI P A	B 192	MUHAMMED SUHAIL K
B 167	ANASWARA V R	B 193	NANDANA P R
B 168	ANEESH A P	B 194	NANDHUKRISHNA T S
B 169	ANGEL SHAJI	B 196	NEERAJA T S
B 170	ANNA JACOB	B 197	NIGHITHA BINU
B 171	ANS MARIA	B 198	NIKHITHA SHIBU
B 172	ANUMOL P S	B 199	NITHYAMOL A K
B 173	ANUSREE BALAKRISHNAN	B 200	ROHITH CHANDRAKANTH SHENOY
B 174	ARUN AYYAPPANUNNI	B 201	SAFA SHERIN V P
B 175	ASHA P S	B 202	SAMUVAL ANTONY K A
B 176	ASHNA P S	B 203	SANDRA V S
B 177	ASIF ALI SHUKKUR	B 204	SNEHA M M
B 179	ATHULYA DAS S	B 205	SUBBULEKSHMI
B 180	CHINNU MANI	B 206	VAISAK MURALI

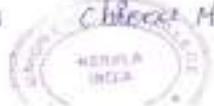
		B 208	YAMUNA K H
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STUDENT ATTENDANCE

Value Added Course - Student Attendance.

3BA Malayalam

	Name	Signature
1	Adithya C	
2	Nunaji D	
3	ARUN AYYAPPANUNNI	
4	Adithyan Shibu	
5	Asif Ali Shukkur	
6	Amruthamol P S	
7	Sanvika V S	
8	Geopika V S	
9	Prakash Shibu	
10	Roshith	
11	AJAY KRISHNAN V S	
12	VYSAKH HARAL	
13	Angel shaji	
14	Anonee Balakrishnan	
15	Anu Maria	
16	Geopika G Menon	
17	Athaya Das	
18	Asha P S	
19	Ashra P S	
20	Sabbalakshmi	
21	Chiranjeev Mari	



Prof. Dr. M. I. Punnose
Principal

Dr. VIDHU NARAYAN
Head of the Department
Department of Malayalam
U.C.C. College, Alwayar-686502

WORK LOAD DISTRIBUTION

SLNO	Course Name	Name of Faculty	Theory	Practical
1	Advertisement Writings (പരസ്യ രചന)	Dr. Saju Mathew	20hrs	10hrs
2	Desktop Publishing (ഡി.ടി.പി)	Dr. Vidhu Narayan	10hrs	20hrs


Prof. Dr. M. I. Puzonnes
Principal
St. John's College, Aluva-2




Dr. VIDHU NARAYAN
Head of the Department
Department of Masscom
U.C. College, Aluva-681702

2nd hour -

<u>Name</u>	<u>Signature</u>
1. Angel shaji	
2. Ananya Bodakrishnan	
3. Robitts	
4. Akash shibu	
5. Adithyan Shibu	
6. Gopika vija	
7. Amruthamolk P.S	
8. Saranya V.S	
9. Gopika G Menon	
10. Ashna P.S	
11. Chinna Mani	
12. Subalakshmi	
13. Athulya das S	
14. Neeraja T S	
15. Adithyan C	
16. Arsmaria	
17. Asha P.S	
18. Asif Ali Shukkur	



Prof. Dr. M. J. Thomas
 Professor
 U.C. College, Aluva-2

V.S.
 Dr. VIDHU NARAYAN
 Head of the Department
 Department of Malayalam
 U.C. College, Aluva-683102

Place:



Date:

COURSE 20: RESEARCH METHODOLOGY & CAREER SKILLS FOR PHYSICS STUDENTS

COURSE 21: INTRODUCTION TO MATHEMATICA AND OCTAVE

Value Added Course

PHYRMCS 01

Research methodology & Career Skills for Physics Students

Department of Physics

Name of faculty	No of hours
Dr Shinoj V K	10

Dr Pramod Dominic	10
Dr Reshmi R	10

Notice

The department of Physics is offering value added course (30 Hour) for the academic year 2022-23 for UG and PG students.

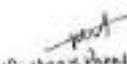
1. Introduction to Mathematica & Octave (PHYM002)

Coordinator Dr Manu Punnas John

2. Research methodology & Career Skills for Physics Students (PHYRMCS 01)

Coordinator Dr Shinoj V K

Interested students are requested to enroll for the course. The registration forms are available with the respective coordinators.


Dr. Manu Punnas John
Head
Department of Physics
SRM Institute of Science and Technology
Kattankulathur, Tamil Nadu - 601 315
Mobile: 9952 41 8179
Email: mpj@srin.ac.in

Application Form

Name of the Student:

Class:

Roll Number:

Email:

Mobile Number:

Address for Communication:

Course Name:

Signature:



DEPARTMENT OF PHYSICS
UNION CHRISTIAN COLLEGE, ALUVA

VALUE ADDED COURSE 2022-23

RESEARCH METHODOLOGY & CAREER SKILLS

FOR PHYSICS
UNDERGRADUATES

COURSE HIGHLIGHTS

- RESEARCH METHODOLOGY
- PRESENTATION SKILLS
- SCIENTIFIC TYPESETTING
- CAREER ASSESSMENT
- PROFESSIONAL NETWORKING
- COLLABORATION TOOLS
- FINDING OPPORTUNITIES

COURSE COORDINATOR

DR. SHINOJ V. K., 9744187825

IQACPHYUCC@GMAIL.COM

PHYRMCS 01

Value Added Course – Research methodology & Career Skills for Physics students

(BSc Physics 2021-24 Batch)

Course Objectives:

- a) Familiarize participants with basic of research and the research process. b) Enable the participants in conducting research work and formulating final year project report.
- c) To provide educational training in research ethics.
- d) Refine the skill of using high-quality typesetting system, LaTeX for publication of research papers, theses and book chapters.
- e) Enable students to be a better professional through acquiring new skills and enhancing existing skills.

Contact Hours: 30 hrs

Course Syllabus:

Module I (5 hours):

Introduction to Research Methodology: Meaning of Research, Objectives of Research, Motivations in Research, Significance of Research, Types of Research, Research Design, Research methodology, Research Methods v/s Methodology, Research and Scientific Methods, Research Process, Criteria of Good Research, Ethics in research.

Module II (12 hours):

The Review of Literature, Meaning of Review of Literature, Need of Review of Literature, Objectives of literature review, Sources of Literature, How to start the Review, Effective search methods.

Approaches in Research, Identification of Research problem, Defining and delimiting Research problem, Research Questions and Hypothesis, characteristics of good Hypothesis, Design of experiment, Types of data, Data Collection, Data Analysis.

Structure of final year report, Research Ethics, Acknowledging sources, Plagiarism, Paraphrasing, Citing others work, presenting your findings, Interpreting results, concluding your report.

Module III (10 hours):**Introduction to Scientific typesetting – Latex**

Installation of the software LaTeX, Understanding Latex compilation, Basic Syntax, Writing equations, Matrix, Tables and including figures

Page Layout – Titles, Abstract Chapters, Sections, References, Equation references, citation Applications to: Preparing Resume

Module IV (3 hrs)

Basics of professional networking - Awareness on career assessment tools - Searching and finding resources and opportunities - Familiarization with collaborative tools for document preparation, presentation and data collection

Methods of Instruction and Assessment:

- Lectures and discussions
- Guest speakers (Webinars)
- Video resources, Reading materials.
- Assessment: Continual Assessments

Certification

The college provides a ‘Course Completion Certificate’ to every student who completes the course successfully.

UNION CHRISTIAN COLLEGE, ALUVA

Value Added Courses - Syllabus

COURSE PLAN (2022 - 2023)

Department	Physics
Name of Value added course	Research methodology & Career Skills for Physics Students
Participants	Both
Semester	UG 5 th Semester & PG 1 st Semester
Total Hours	30
Maximum intake	30

Course Outcomes

CO Number	Description	CO Evaluation methods
CO1	Familiarize participants with basic of research and the research process.	
CO2	Enable the participants in conducting research work and formulating final year project report.	
CO3	To provide educational training in research ethics.	
CO4	Refine the skill of using high-quality typesetting system, LaTeX for publication of research papers, theses and book chapters.	
CO5	Enable students to be a better professional through acquiring new skills and enhancing existing skills.	

Module 1			Hours : 5	
Syllabus:				
Introduction to Research Methodology: Meaning of Research, Objectives of Research, Motivations in Research, Significance of Research, Types of Research, Research Design, Research methodology, Research Methods v/s Methodology, Research and Scientific Methods, Research Process, Criteria of Good Research, Ethics in research.				
Slno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1	Introduction to Research Methodology	1	Lecture, Discussion
2	CO2	Objectives of Research, Motivations in Research, Significance of Research	1	Lecture, Discussion
3	CO3	Types of Research, Research Design, Research methodology, Research Methods v/s Methodology	1	Lecture, Discussion
4	CO4	Research and Scientific Methods, Research Process, Criteria of Good Research, Ethics in research.	2	Lecture, Discussion
Module 2			Hours : 12 hrs	
Syllabus:				
The Review of Literature, Meaning of Review of Literature, Need of Review of Literature, Objectives of literature review, Sources of Literature, How to start the Review, Effective search methods.				
Approaches in Research, Identification of Research problem, Defining and delimiting Research problem, Research Questions and Hypothesis, characteristics of good Hypothesis, Design of experiment, Types of data, Data Collection, Data Analysis.				

Structure of final year report, Acknowledging sources, Plagiarism, Paraphrasing, Citing others work, presenting your findings, Interpreting results, concluding your report.

Slno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO5	The Review of Literature, Meaning of Review of Literature, Need of Review of Literature	2	Lecture, Discussion
2	CO6	Objectives of literature review, Sources of Literature, How to start the Review	2	Lecture, Discussion
3	CO7	Effective search methods, Approaches in Research	1	Lecture, Discussion
4	CO8	Identification of Research problem, Defining and delimiting Research problem	2	Lecture, Discussion
5	CO9	Research Hypothesis- Characteristics	1	Lecture, Discussion
6	CO10	Design of experiment, Data collection & Data analysis	1	Lecture, Discussion
7	CO11	Acknowledging sources, Plagiarism – Paraphrasing, Citing others work	1	Lecture, Discussion
8	CO12	Presenting your findings, Interpreting results, Concluding your report	2	Lecture, Discussion

Module 3

Hours : 10

Syllabus:

Introduction to Scientific typesetting – Latex

Installation of the software LaTeX, Understanding Latex compilation, Basic Syntax, Writing equations, Matrix, Tables and including figures

Page Layout – Titles, Abstract Chapters, Sections, References, Equation references, citation

Applications to: Preparing Resume

Slno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO13	Installation of the software LaTeX, Understanding Latex compilation	2	Lecture, Discussion
2	CO14	Basic Syntax	1	Lecture, Discussion
	CO15	Writing equations, Matrix, Tables and including figures	3	Lecture, Discussion
	CO16	Page Layout – Titles, Abstract Chapters, Sections, References, Equation references, citation	3	Lecture, Discussion
	CO17	Applications to: Preparing Resume	1	Lecture, Discussion

Module 4

Hours : 3

Syllabus:

Basics of professional networking - Awareness on career assessment tools - Searching and finding resources and opportunities - Familiarization with collaborative tools for document preparation, presentation and data collection.

Slno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO18	Basics of professional networking	1	Guest speaker (Webinar)
2	CO19	Awareness on career assessment tools - Searching and finding resources and opportunities	1	Guest speaker (Webinar)

3	CO20	Familiarization with collaborative tools for document preparation, presentation and data collection.	1	Guest speaker (Webinar)
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Research methodology list of students 21-22		
Full Name:	Your class:	Register No.
Devika M	M.Sc. Ist sem	220011014450
Abhijith C B	B.Sc. Vth sem	200021037104
Kavya Unnikrishnan	M.Sc. Ist sem	220011014454
Aleena g thelakkattu	M.Sc. Ist sem	220011014448
Haritha Dharman	M.Sc. Ist sem	220011014453
Surya K G	M.Sc. Ist sem	220011014459
Fezin Puthanpurayil	B.Sc. Vth sem	200021037139
Athul K N	B.Sc. Vth sem	200021037109
Goutham krishnan	B.Sc. Vth sem	200021037111
Deteena chacko	B.Sc. Vth sem	200021037130
George c reji	B.Sc. Vth sem	200021037110
Rakesh Ramachandran	B.Sc. Vth sem	200021037140
Naseeh Yousuf	B.Sc. Vth sem	200021037138
Melwin T Joshy	B.Sc. Vth sem	200021037136
Liyana P M	M.Sc. Ist sem	220011014455
Ummu Sumayya TM	M.Sc. Ist sem	220011014460
A ANAGHA	B.Sc. Vth sem	200021037122
V.B.SIMI	M.Sc. Ist sem	220011014458
HARITHA DHARMAN	M.Sc. Ist sem	220011014453
Anjana N M	M.Sc. Ist sem	220011014449
FATHIMA JUMNA	M.Sc. Ist sem	220011014451
Gopika N R	M.Sc. Ist sem	220011014452

Research methodology list of students 22-23

	PRN no :	Name of student
	210021034929	ANJITHA ARAVIND
	210021034933	C R VIMALRAJ
	210021034934	DILNAMOL SUNIL
	210021034936	FAZEEL YOOSAF
	210021034939	LAKSHMI PRIYA P
	210021034940	NAVANEETH C JAIKUMAR
	210021034941	RAHMATH K S
	210021034942	ROHITH RAJEEV
	210021034947	ABIRAMI AJI
	210021034949	ANAGHA K V
	210021034950	ANUGRAHA MATHEW
	210021034952	ANUSREE S M
	210021034953	ASWAL UNNIKRISHNAN
	210021034956	DEVIKA SAJEEVAN
	210021034957	FATHIMA NAZRIN V B
	210021034958	FATHIMA NOURIN V N
	210021034959	GOPIKA T S
	210021034966	UNNIMAYA V A
	210021034968	ATHUL P UDAYAKUMAR
	210021034927	AJU GEORGE
	210021034928	AKHILA K L
	210021034930	ARJUN K M
	210021034932	ATHULRAJ P R
	210021034935	FAIZ BADER K M
	210021034937	HARIKRISHNA M B
	210021034938	JOMON J NALPAT
	210021034943	SANDRA S NAIR
	210021034945	SWATHY S NAIR

210021034946	VINAYA K VASU
210021034948	ADARSH P S
210021034951	ANUGRAHA VINOD
210021034954	ASWIN JOSHY
210021034955	AVINASH S PRABHU
210021034961	HIBA SALAM T A
210021034962	MEGA K M
210021034963	NITHYA C D
210021034964	RAHUL V
210021034965	SHAHANSHA S
210021034967	BERYL CHERIAN

Topic: Research Methodology

SI No.	Admission Number	Name	10-12-21 Attendance	16-12-21	14-1-22
1	H0206	A Anagha	✓	✓	✓
2	G9780	Abhijith CB	✓	✓	✓
3	H0168	Athul K N	✓	a	✓
4	G9775	Deteena Chacko	✓	✓	✓
5	G9918	George C Reji	✓	✓	✓
6	H0123	Goutam Krishnan P	✓	✓	✓
7	G9716	Melwin T Joshy	✓	a	✓
8	H0247	Naseeh Yousuf	✓	a	✓
9	H0233	Fezin Puthanpurayil	✓	✓	✓
10	H0019	Rakesh Ramachandran	✓	✓	✓
11	H1874	Devika M	✓	✓	✓
12	H1878	Liyana P M	a	✓	✓
13	H2149	Anjana N M	✓	✓	✓
14	H2133	Ummu Sumayya TM	✓	✓	✓
15	H1665	Kavya Unnikrishnan	✓	✓	✓
16	H1410	Mahima Manoj	✓	✓	✓
17	H2075	Haritha Dharman	✓	✓	✓
18	H2151	Surya K G	✓	✓	✓
19	H1478	Fathima Jumna	✓	✓	✓
20	H2016	Gopika N R	✓	✓	✓
21	H1890	Simi V B	✓	✓	✓
22	H1941	Aleena G Thelakkattu	✓	✓	✓
23	H1404	Aja K Raj	✓	✓	✓
24	H2148	Vyshnav Unnikrishnan	a	a	a

8/5/23

Research methodology class.
Attendance

1) Ananya S.M	<u>Ana</u>	24) Khushboo Ch	<u>Khush</u>
2) Anjitha Anand	<u>Anjitha</u>	25) A/Anu - Kathi C. Jambun	<u>A/Anu</u>
3) Swasthya S. Nair	<u>Swasthya</u>		
4) Sandhya S. Nair	<u>Sandhya</u>	26) A/n George	<u>A/n George</u>
5) Anugraha Vinod	<u>Anugraha</u>	27) Anjanam	<u>Anjanam</u>
6) Dilnamal sunil	<u>Dilnamal</u>	28) Aswin Jeshy	<u>Aswin</u>
7) Rahmath K.S	<u>Rahmath</u>	29) Hiba Salam T.d	<u>Hiba</u>
8) Anshu Pooje P	<u>Anshu</u>	30) Devika Sajeeran	<u>Devika</u>
9) Abhrami Aji	<u>Abhrami</u>		
10) Nithya C.D	<u>Nithya</u>		
11) Gopika TS	<u>Gopika</u>		
12) Fathima Nazrin	<u>Fathima</u>		
13) Fatima Nouva	<u>Fatima</u>		
14) Archita K.L	<u>Archita</u>		
15) Bhanu Rajeev	<u>Bhanu</u>		
16) Govindaraj M.B	<u>Govindaraj</u>		
17) Faiz Bader A.M	<u>Faiz</u>		
18) Rahul V	<u>Rahul</u>		
19) Fazeel Yusuf	<u>Fazeel</u>		
20) Asad Anandkumar	<u>Asad</u>		
21) Anas S. Anwar	<u>Anas</u>		
22) Anagha K.V	<u>Anagha</u>		
23) Janya J Naipal	<u>Janya</u>		

Value Added Course
PHYMO02:
Introduction to Mathematica & Octave

Department of Physics

Name of faculty	No of hours
Dr Manu Punnen John	15
Dr Pramod Dominic	15

Union Christian College
Department of Physics

Notice

The department of Physics is offering value added course (30 Hour) for the academic year 2022-23 or UG and PG students

1. Introduction to Mathematica & Octave (PHYMO02)
Coordinator Dr Manu Punnan John

2. Research methodology & Career Skills for Physics Students
(PHYRMCS 01)
Coordinator Dr Shinoj V K

Interested students are requested to enroll for the course. The registration forms are available with the respective coordinators.


Dr. Manu Punnan John
Head
Department of Physics
HEAD OF THE DEPARTMENT OF PHYSICS
UNION CHRISTIAN COLLEGE
ALUVA, PIN-683124
Mobile : 8893 42 3124
email : mjohn@ucccollege.edu.in

**DEPARTMENT OF
PHYSICS
UNION CHRISTIAN
COLLEGE, ALUVA**

**INTRODUCTION
TO
MATHEMATICA &
OCTAVE**

COURSE HIGHLIGHTS

- Introduction to Mathematica
- Mathematica as a calculator
- Calculus with single variable
- Introduction to Octave
- Logistic map
- Simulating a system using differential equation

**Methods of Instruction and
Assessment**

- Lectures and discussions
- Practice
- Video resources, Reading materials.
- Assessment: Continual Assessments

Course Coordinator:
Dr. Pramod Dominic
HP: +918281416766

Value Added Course – PHYMO02: Introduction to Mathematica & Octave

(BSc & MSc 2022-23 Batch)

Course Objectives:

- a) Understand the basic principles of the Wolfram Language.
- b) Learn to use commands and functions.
- c) Use Wolfram Language to solve problems graphically, numerically and analytically.
- d) Understanding the downloading, installation, and maintenance of Octave.
- e) Enabling the students to be capable of writing simple programs to simulate the systems they study during the course.
- f) Enabling students to learn advanced programming that they might need to work in the industry or research.

Contact Hours: 30 hrs

Course Syllabus:

Module I (15 hours):

Introduction to Mathematica. The structure of Mathematica, Notebook interfaces, editing Cells and Text, Palettes. Mathematica as a Calculator: Basic Arithmetic, precedence, Built-in Constants: Built-in functions, Variables and functions: Plotting functions, Solving ordinary equations. Calculus with single variables: Limits, differentiation, and integration. Vector Calculus, Differential equations, Matrices, Special matrices, Solving linear systems.

Module II (10 hours):

Introduction to Octave, Downloading and installing the software, Data types, Visualization of data, Logical statements, Loops, Simulating a system using difference equations- The Logistic map, Simulating a system using differential equations – The Duffing oscillator.

Methods of Instruction and Assessment:

- Lectures and discussions
- Practice
- Video resources, Reading materials.
- Assessment: Continual Assessments

Certification

The college provides a 'Course Completion Certificate' to every student who completes the course successfully.

UNION CHRISTIAN COLLEGE, ALUVA

Value Added Courses - Syllabus

COURSE PLAN (2022- 2023)

Department	Physics
Name of Value added course	<u>PHYMO02:Introduction to Mathematica& Octave</u>
Participants	Science students from Both UG and PG
Semester	IIIsem UG and I sem PG
Total Hours	30
Maximum intake	50

Course Outcomes

CO Number	Description	CO Evaluation methods
CO1	Learn the basics of Wolfram Language	
CO2	To use mathematica to solve various mathematical and statistical problems using mathematica.	
CO3	Students can easily check their results for various mathematical and statistical problems and improve their analytical skills	
CO4	To learn the basics of an Octave, a Matlab clone	

CO5	Enabling students to simulate a system from the dynamical equation is highly valuable both in Science and Industry.	
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Module 1		Hours : 5		
Syllabus:				
Introduction to Mathematica. The structure of Mathematica, Notebook interfaces, editing Cells and Text, Palettes. Mathematica as a Calculator: Basic Arithmetic, precedence, Built-in Constants: Built-in functions, Variables and functions: Plotting functions, Solving ordinary equations. Calculus with single variables: Limits, differentiation and integration. Vector Calculus, Differential equations, Matrices, Special matrices, Solving linear systems.				
Sno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1,CO3	Introduction to Mathematica. The structure of Mathematica,	1	Lecture, Discussion,Lab
2	CO2,CO3	Variables and functions: Plotting functions,solving ordinary equations	3	Lecture, Discussion,Lab
3	CO2,CO3	Calculus with single variables: Limits, differentiation and integration	3	Lecture, Discussion,Lab
4	CO2,CO4	Vector Calculus, Differential equations,basic statistics	4	Lecture, Discussion,Lab
5	CO2,CO4	Matrices, Special matrices, Solving linear systems	4	Lecture, Discussion,Lab
Module 2		Hours : 15 hrs		
Syllabus:				
Introduction to Octave, Downloading and installing the software, Data types, Visualization of data, Logical statements, Loops, simulating a system using difference equations- The Logistic map, Simulating a system using differential equations – The Duffing oscillator.				

Slno	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO5	Students can choose the latest version of Octave or the most appropriate release for a given system specification.	2	Lecture, Discussion
2	CO6	Handling data by assigning the most suitable variable type.	2	Lecture, Discussion
3	CO7	Choosing suitable visualization of data in a given context.	1	Lecture, Discussion
4	CO8	A deep understanding of the logical structures of programs to avoid any logical errors in the codes.	2	Lecture, Discussion
5	CO9	Understanding iterative methods and using computational resources to achieve optimal efficiency	1	Lecture, Discussion

List of students

UG students

	Name	University RegNo
1	ANAGHA RAJEEV R	220021033459
2	ANAND S NAIR	220021033460
3	DELNA MARY BIJU	220021033468
4	GREESHMA PRASAD	220021033470
5	JANVI M V	220021033471
6	LEON DEEPU JOHN	220021033476
7	SIVASANDESH C S	220021033486
8	ADARSH V L	220021033454
9	AKSHAYA V S	220021033457
10	AVINASH K V	220021033465
11	BIVIN BINNY MATHEW	220021033467
12	LAKSHMI NIVEDITHA	220021033475
13	SREEPARVATHY P R	220021033489
14	SWATHI S PRABHU	220021033491
15	LAKSHMAN DEV	220021033474
16	ABHIRAMI V K	220021033452
17	ABHITHA SUNIL	220021033453
18	AKHILA SUNIL	220021033456
19	AMAL GOVIND	220021033458
20	ANUSREE S	220021033462
21	BIJINA B	220021033466
22	GAURIPRIYA S	220021033469
23	SREELAKSHMI U	220021033488

24	SREYA C S	220021033490
25	THANIYA M N	220021033492
26	VIJAY KRISHNA V S	220021033494
27	ADHIL T N	220021033455
28	ANNA TERESA	220021033461
29	APARNA T M	220021033463
30	ARDHRA SREENIVASAN	220021033464
31	JUNAID RAHMAN D R	220021033472
32	KRISHNAPRIYA K S	220021033473
33	MERIN YACOB	220021033477
34	NABEEL MUHAMMAD M M	220021033478
35	NIDHIN SALIM	220021033479
36	NIRUPAMA PADMAKUMAR	220021033480
37	NIVIDHA N V	220021033481
38	NIYA JOSHY	220021033482
39	PARVATHY P H	220021033483
40	PAVITHRA PRADEEP	220021033484
41	REEBA DAIS	220021033485
42	VAISHNAV A M	220021033493
43	SOORYA SANKAR A	220021033487

PG students

Sl.	Reg.	Name of Candidate
No.	No.	
1	210011013267	AISWARYA A.S.
2	210011013268	ALENE SARA VARGHESE
3	210011013269	ALEX J. THACHIL
4	210011013270	ANAGHANANDA E.K.
5	210011013272	ANUSREE AJAY
6	210011013273	ARDRA BABU T.
7	210011013274	ARYA P.N.
8	210011013275	CHINNU SABU
9	210011013276	GAYATHRI T.U.
10	210011013277	IYPE SHENO ANIL
11	210011013278	MALAVIKA RAMESH
12	210011013279	NAMITHA MANOHARAN T.T.
13	210011013280	SAINADH C.U.

Attendance of Value added course
PHYM002-Introduction to Mathematics & Octave

List of students

Ug students

5/2/22 15/4/22 28/5/22 1/6/22 14/6/22 27/6/22 11/7/22 24/7/22 7/8/22 20/8/22

Name	University Reg No	5/2/22	15/4/22	28/5/22	1/6/22	14/6/22	27/6/22	11/7/22	24/7/22	7/8/22	20/8/22
1 ANAGHA RAJTV R	220021033309	/	/	/	/	/	/	/	/	/	/
2 ANAND S NAJ	220021033300	/	/	/	/	/	/	/	/	/	/
3 DEEPA HARPY RII	220021033305	/	/	/	/	/	/	/	/	/	/
4 GOVINDRA PRASAD	220021033301	/	/	/	/	/	/	/	/	/	/
5 JAYAN S	220021033302	/	/	/	/	/	/	/	/	/	/
6 LEON DEEPIJASHIN	220021033306	/	/	/	/	/	/	/	/	/	/
7 SHAGANDEEN S S	220021033303	/	/	/	/	/	/	/	/	/	/
8 ADARSH V L	220021033304	/	/	/	/	/	/	/	/	/	/
9 RISHIKA V S	220021033307	/	/	/	/	/	/	/	/	/	/
10 RUPAM S S	220021033308	/	/	/	/	/	/	/	/	/	/
11 SILESH SURESH MATHUR	220021033307	/	/	/	/	/	/	/	/	/	/
12 LALITHA NIVEDITHA	220021033309	/	/	/	/	/	/	/	/	/	/
13 SHEEPAKASHY P S	220021033306	/	/	/	/	/	/	/	/	/	/
14 SADESH S PRABHU	220021033301	/	/	/	/	/	/	/	/	/	/
15 LADHVIKHA DEVI	220021033305	/	/	/	/	/	/	/	/	/	/
16 ANSHUAMI V K	220021033302	/	/	/	/	/	/	/	/	/	/
17 KSHITHA SURE	220021033303	/	/	/	/	/	/	/	/	/	/
18 ANSULA SARA	220021033306	/	/	/	/	/	/	/	/	/	/
19 ABRAHAM JAY	220021033308	/	/	/	/	/	/	/	/	/	/
20 ANURAG S	220021033301	/	/	/	/	/	/	/	/	/	/
21 SHIVA S	220021033305	/	/	/	/	/	/	/	/	/	/
22 GAURIPRITHA S	220021033309	/	/	/	/	/	/	/	/	/	/
23 SATYAJAGANNATH	220021033300	/	/	/	/	/	/	/	/	/	/
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25 PRANAVIA M R	220021033302	/	/	/	/	/	/	/	/	/	/
26 SHRI S SHWETA V S	220021033304	/	/	/	/	/	/	/	/	/	/
27 AARAV S R	220021033305	/	/	/	/	/	/	/	/	/	/
28 ANNA SETHA	220021033301	/	/	/	/	/	/	/	/	/	/
29 ANANDA T R	220021033303	/	/	/	/	/	/	/	/	/	/

COURSE 22: ENHANCING RESEARCH SKILLS

COURSE 23: PSYCHOLOGICAL SKILL ACQUISITION



UC COLLEGE ALUVA



Department of Psychology



Value Added
Course
in

'ENHANCING RESEARCH SKILLS'

Target group: Under Graduate Students,
Union Christian College, Aluva



Duration: 3 months - 2 hours/week - 3:30-4:30pm

Research is to see what everybody has seen, and to think what nobody else has thought.

~Albert Szent-Gyorgyi

Research and Postgraduate Department of Psychology
Enhancing Research Skills
Weekend Distribution

SL. NO	NAME	THEORY	PRACTICAL
1	Dr. Malini R.	None	None
2	Dr. Seema M. Malhotra	None	None

Aradhya
Dr. Aradhya Ravindran

Head of the Department
Department of Psychology
Laxmi Chatterjee College
Mumbai - 400 042



**UNION CHRISTIAN COLLEGE
ALUVA**



CAREER ORIENTED VALUE ADDED PROGRAMME

The Career Orientation Council of Union Christian College, Aluva hereby certifies that Ms./Mr./Dr

— has successfully completed the value-added course on

offered by the Department of _____

achieving a grade of _____

Date: _____

Principal

Reg. No. :

Sr. No. :

www.uccollege.edu.in

VALUE-ADDED COURSE
DEPARTMENT OF PSYCHOLOGY
UNION CHRISTIAN COLLEGE, ALUVA

Title: Enhancing Research Skills

Course code: VACPSY2202

Target group: Third/Fourth Semester B.Sc. Psychology, Union Christian College, Aluva

Rationale:

Research is of utmost importance to any discipline, and scientific research particularly enables us to successfully navigate this complex world. The primary aim of the course is to impart basic research skills to the beginners and to inculcate in them an interest to pursue research in the field of Psychology. Students need to develop an understanding of the purpose of research, characteristics of good research, nature of research as well as the use of appropriate research design in Psychology. It is only through systematic scientific research that we gain an objective understanding of human behaviour. The course would enable every student to develop a critical orientation and select the best possible research approach to deal with a problem.

Learning Objectives

The course will provide students with:

- A concrete understanding of the methods of doing research, data collection, analysis, and report writing
- Identification of research gaps by reviewing the existing literature on the concerned topic and formulation of research questions
- Identifying the difference between longitudinal and cross-sectional as well as qualitative and quantitative data collection methods and analysis strategies

ENHANCING RESEARCH SKILLS

Course syllabus

Total hrs. **30**

Module I Research Methodology: An Introduction

Meaning of Research, Objectives of Research, Types of Research-Descriptive vs. Analytical, Quantitative vs. Qualitative research, Significance of Research, Research Methods versus Methodology, Ethics in Research

(6 hrs)

Module II: Defining the Research Problem

What is a Research Problem? - Selecting the Problem - Importance of literature review and formulation of research questions, Defining participants and variables; Clarifying objectives, Framing of hypotheses.

(6 hrs)

Module III: Research Design

Meaning of Research Design, Need for Research Design, Features of a Good Design, Important Concepts Relating to Research Design, Different Research Designs-Longitudinal and cross-sectional, experimental and non-experimental, Basic Principles of Experimental Designs

(6 hrs)

Module IV: Report Writing

Significance of Report Writing, Different Steps in Writing Report, APA writing style, Layout of the Research Report, Types of Reports- Oral Presentation, Writing Abstract, Article and detailed Research report, Precautions for Writing Research Reports

(6 hrs)

References

- Anastasi, A., & Urbina S.(2017). *Psychological testing* (7thed.). India: Pearson India Education services Pvt. Ltd.
- Kothari, C.R. (2004) *Research Methodology Methods and Techniques*. 2nd Edition, New Age International Publishers, New Delhi.
- Anastasi, A., Urbina, S.(2005). *Psychological Testing* (7th edn). India: Pearson Education.
- Singh, A. K. (2016). *Tests, measurements and research methods in behavioural sciences* (5th ed.). Patna: Bharati Bhawan Publishers.

Action plan

Duration: 3 months (2 hours/week- Online /Offline (3:30-4:30pm))

Strength: 20 students

Classes by: Faculty, Department of Psychology

Course Structure: THEORY Paper as per the syllabus

Scheme of Examination: Total Marks 100

Internal Assessment: 40 Marks

Sl. No.	Internal Assessment activities	Marks
1	Assignment/Fieldwork	10
2	Seminar/Group discussion	10
3	Poster Presentation	10
4	Role Play	10

*75% Attendance is mandatory

External Assessment: 60 marks

Written Exam will be conducted based on the syllabus

CERTIFICATION:

A certificate of the course will be awarded to all those who have successfully completed the theory as well as practical activity in all courses.

Course Co-ordinators

Dr. Malini R., Dr. Seena M.Mathai, Assistant Professors of Psychology, Union Christian College, Aluva.

Members:

Dr.Vidhya Ravindranadan, HOD, Assistant Professor of Psychology, Union Christian College, Aluva

Dr. Seena M.Mathai, Assistant Professor of Psychology, Union Christian College, Aluva

Dr. Neelima Ranjith, Assistant Professor of Psychology, Union Christian College, Aluva.

Ms.Syna Soosan Abraham, Assistant Professor of Psychology, Union Christian College, Aluva.

Dr. Marikuttu P. J., Assistant Professor of Psychology, Union Christian College, Aluva.

Ms.Shema Elizabeth Kovoor, Assistant Professor of Psychology, Union Christian College, Aluva.

Union Christian College, Aluva
Research & Postgraduate Department of Psychology
Value Added Course Application Form
Enhancing Research Skills

Name of Student:

Class:

Roll Number:

Email Address:

Mobile Number:

Address for Communication:

Course Name:

Signature

Dr. Vidhya Ravindran
Dr. Vidhya Ravindran
Department of Psychology
Union Christian College
Aluva - 682 102



Value Added Course: Enhancing Research Skills

Student Enrolment List

SL NO	REGISTER NUMBER	NAME OF STUDENT
1	210021042104	ANGELA MULAKKALETHU SHIBU
2	210021042105	AKHITHA SHIJU
3	210021042106	AKSHAYA MOHANAN
4	210021042107	ALEENA K E
5	210021042108	AMRUTHA BIJU
6	210021042109	ANEETTA AJI
7	210021042111	DEVIKA BABU
8	210021042112	FAIZA FAZAL E A
9	210021042113	FATHIMA MEHJABIN
10	210021042114	FEBA BENNY
11	210021042115	HRIDYA MARIYA S
12	210021042116	INSHA LAMIYA K M
13	210021042117	JANCY JAMES PINHERO
14	210021042118	JISIN ROSE THEKKAN
15	210021042119	JOBI THOMAS JOHN
16	210021042120	JUMANA HASEEN N P
17	210021042121	LLOYD DIPU
18	210021042122	MANEESHA RAJEEV
19	210021042123	MUHAMMED SHEHIN A
20	210021042125	ROSE M SHIBY
21	210021042126	SHAMNA SHAJU
22	210021042127	SIDHARTH K BOSE
23	210021042128	SOLAMI ALUNGAL
24	210021042131	AARATHI V M
25	210021042132	ALLEENA MOHAMMED
26	210021042133	ANASWARA M NAIR
27	210021042134	ANJALY BIJU
28	210021042135	ANJU BIJU
29	210021042136	ANUPAMA RAJALAKSHMI K ASOK
30	210021042137	KS KRISHNAVENL
31	210021042138	SANDRA SAMUEL
32	210021042139	LEKSHMI MOHAN

Course Coordinators

Dr Seena M Mathai

Dr Malini R.



Head of the Department

Dr Vidhya Ravindranadan

Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102

Research and Postgraduate Department of Psychology

Psychological Skill Acquisition

Workload Distribution

SL. NO	NAME	THEORY	PRACTICAL
1	Dr. Vidhya Ravindranadan	5 hrs	5 hrs
2	Dr. Seena M Mathai	5 hrs	5 hrs
3	Dr. Neelima Banjib	5 hrs	5 hrs

Dr. Vidhya Ravindranadan
Dr. Vidhya Ravindranadan

Head of the Department
Department of Psychology
Sree Narayana College
Muvattupuzha - 222 324





UNION CHRISTIAN COLLEGE,

Aluva



DEPARTMENT OF PSYCHOLOGY

Value Added Course
in

Psychological Skill Development

Target group: Under Graduate Students, Union
Christian College, Aluva

Duration: 3 months - 2 hours/week - 3:30-4:30pm

*"Psychological skills, or mental skills are tools for
the mind. Improving them can enhance academic
performance and your overall well-being."*

**UNION CHRISTIAN COLLEGE
ALUVA**



CAREER ORIENTED VALUE ADDED PROGRAMME

The Career Orientation Council of Union Christian
College, Aluva hereby certifies that Ms/Mr/Dr

has successfully completed the value-added course on

offered by the Department of _____

achieving a grade of _____

Date: _____

Principal

Reg. No. :

Sr. No. :

www.ucccollege.edu.in

Psychological Skill Development
Department of Psychology
Union Christian College, Aluva

Title: Value Added Course in Psychological Skill Development

Course Code: VACPSY2201

Target group: Under Graduate Students, Union Christian College, Aluva.

Rationale:

Psychological Skill Development includes skills like positive self-talk, enhancing confidence, goal setting, and achieving the most productive mindset, among many other skills. Improving psychological skills can enhance academic performance and overall well-being. It also covers life skills as the study of abilities for adaptive and positive behaviour that enable individuals to deal effectively with the demands and the challenges of day to day life. It is critical that youth should be equipped with life skills to grow into well functioning adults. Life skills equip students to thrive in the classroom and in the world beyond. Imparting skills education to the students can be helpful as it specifically addresses the needs of children, helps in motivating, providing practical, cognitive, emotional, social and self-management skills for life adjustments.

Objectives :

- To develop understanding into the fundamentals of psychological skills.
- Experience self-awareness and develops ways to face challenges of life.
- To be able to develop and practice different types of life skills.
- Develop competencies to understand and handle issues and challenges in personal and professional life.

Psychological skill Development
Course Syllabus

Total hrs : 30 hrs

Module 1:

What are key psychological skills? What are life skills? Briefly explain 10 core life skills. How to develop life skills? Social skills: Self-awareness: Understanding strengths and weaknesses, Self-esteem.

6 hours

Module 2:

Effective communication, Verbal and Non verbal Communication, Assertiveness, Interpersonal Relationship skills, Positive self-talk, Goal setting.

6 hours

Module 3:

Presentation skills: Planning, Structuring, and Delivering a presentation, Effective use of language, Managing anxiety, Performing in interviews and group discussions.

6 hours

Module 4:

Thinking skills: Critical thinking skills, Problem solving skills; Steps and strategies, Time management skills, Creative thinking skills: nature, stages, factors affecting, barriers and enhancing creative thinking skills, Decision making skills.

6 hours

Module 5:

What is stress? What causes stress? How to manage and Cope with stress, Relaxation techniques, What are emotions? How to cope with negative emotions? Anger management.

6 hours

Reference:

Handbook of Activities on Life skills

https://aif.org/wp-content/uploads/2018/10/Lifeskills-2018a_MAST.pdf

<http://www.himpub.com/documents/Chapter239.pdf>

<https://www.unicef.org/azerbaijan/media>

Action plan

Duration: 3 months (2 hours/week- Online /Offline (3:30-4:30pm))

Strength: 20 students

Classes by: Faculty, Department of Psychology

Course Structure: THEORY Paper as per the syllabus

Scheme of Examination: Total Marks 100

Internal Assessment: 40 Marks

Sl. No.	Internal Assessment activities	Marks
1	Assignment/Fieldwork	10
2	Seminar/Group discussion	10
3	Poster Presentation	10
4	Role Play	10

*75% Attendance is mandatory

External Assessment: 60 marks

Written Exam will be conducted based on the syllabus

CERTIFICATION:

A certificate of the course will be awarded to all those who have successfully completed the theory as well as practical activity in all courses.

Course Co-ordinators

Co-ordinator:

Dr. Vidhya Ravindranadan, Assistant Professor of Psychology, Union Christian College, Aluva

Members:

Dr. Malini R., Assistant Professor of Psychology, Union Christian College.

Dr. Seena M. Mathai, Assistant Professor of Psychology, Union Christian College.

Dr. Neelima Ranjith, Assistant Professor of Psychology, Union Christian College.

Ms. Syna Soosan Abraham, Assistant Professor of Psychology, Union Christian College.

Dr. Marikutty P.J., Assistant Professor of Psychology, Union Christian College.

Ms. Shema Elizabeth Koor, Assistant Professor of Psychology, Union Christian College.

Union Christian College, Aluva
Research & Postgraduate Department of Psychology
Value Added Course Application Form
Psychological Skill Acquisition

Name of Student:

Class:

Roll Number:

Email Address:

Mobile Number:

Address for Communication:

Course Name:

Signature *Vidhya Ramesh*
Dr. Vidhya Ramesh
Head of the Department
Department of Psychology
Union Christian College
Aluva - 683 102



Value Added Course: Psychological Skill Development

Student Enrolment List

SL NO	REGISTER NUMBER	NAME OF STUDENT
1.	220021040291	ACHSAN RIAN SAJI
2.	220021040292	AHSANA MA
3.	220021040293	AISWARYA RAJ
4.	220021040294	AKASH K S
5.	220021040295	ANANYA SUSAN GEORGE
6.	220021040296	ANJALI BIJUKUMAR
7.	220021040297	ANN SUSAN ELDHO
8.	220021040298	APARNA P
9.	220021040299	AVANI KRISHNA
10.	220021040300	AYANA MARIA THOMAS
11.	220021040301	AYUSHI SABU
12.	220021040302	BIXYMOLT VARGHESE
13.	220021040303	DEVA PRASAD A S
14.	220021040304	DEVANANDANA S
15.	220021040305	DEVIKA DINESHAN
16.	220021040306	FAMITHA MA
17.	220021040307	FATHIMA NOURIN FH
18.	220021040308	HIMA CP
19.	220021040309	JAQUELIN ANNA MATHEW
20.	220021040310	JESNA GEORGE
21.	220021040311	JUZAINA NESARIN NABEESA
22.	220021040312	KIERTHANA P JOSHY
23.	220021040313	MEKHA ROBIN
24.	220021040314	NAZRIN ADAM R
25.	220021040315	NEHA MARIA JOSEPH
26.	220021040316	REBEKAH KURIAKOSE
27.	220021040317	REUBEN JOSE
28.	220021040318	REVATHI MORANDAS
29.	220021040320	SANDRA SANTHOSH
30.	220021040319	SAHANA C H
31.	220021040321	SANO JOHN SAMUEL
32.	220021040322	SETHU S
33.	220021040323	SHILPA T S
34.	220021040324	SREEVIDYA ANAND
35.	220021040325	UTHARA MENON

Course Coordinators

Dr Seena M Mathai

Dr Malini R.

Head of the Department

Dr Vidhya Ravindranadan



Head of the Department
Department of Psychology
Union Christian College
Alwayar - 682 102

UNIVERSITY OF ALABAMA		COLLEGE ALUVA - 2	
CLASS REGISTER OF ATTENDANCE		CLASS FOR REPORT (P)	
NO.	NAME	MON	TUE
1	ALLEN, J. R.		
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100	ALLEN, J. R.		

COURSE 24: MATHEMATICAL TYPESETTING USING LATEX

COURSE 25: BASICS OF STATISTICS USING MICROSOFT EXCEL

Union Christian College, Aluva
Department of Mathematics

Notice

The Department of Mathematics shall start online Value added courses - on

1. Mathematical Typesetting Using LaTeX
2. Basics of Statistics Using Microsoft Excel.

in association with Math Lab, Cochin

It shall be a 30 hours course including Online/Offline classes and Practical sessions. Students from the Department are requested to enrol themselves for the courses and participate actively to make it a grand success.

Registration forms are available from the Department.



Anu Nathan Joseph

Dr. Anu Nathan Joseph
Head of the Department

HEAD OF DEPARTMENT OF MATHEMATICS
UNION CHRISTIAN COLLEGE
ALUVA - 683 102

Proposal

of

Value Added Course

on

Mathematical Typesetting Using LaTeX

for

BSc/MSc Mathematics students

offered by

Department of Mathematics

Aim of the Course

To understand the features and uses of the typesetting program LATEX. To learn how to create a scientific document using LATEX. Enable students to create a research paper or Project using LATEX. Teach the students to create a presentation using Beamer in LATEX.

Program Specific outcome

- To learn the typesetting Program LATEX
- To create a scientific research paper or project using LATEX
- To create presentation in beamer.

Suggested Methodology of Teaching and Learning

- Online/Offline classes
- Practical sessions on LATEX

Name of the Value Added Course: MATHEMATICAL TYPESETTING USING LATEX

Duration	Course Code	Hours per week	Modules	Exam hours
30 hours	MLCLTX	3	4	1

Course Outcomes

CO1	Understanding a new typesetting program, and its interface
CO2	Typing and formatting a document in LATEX
CO3	Produce mathematical symbols, formulae and other notations in LATEX
CO4	Create a presentation in Beamer

SYLLABUS

MODULE 1: INTRODUCTION TO LATEX

Introduction, Online and offline software for LATEX, Into LATEX window, LATEX Document-Preamble and Document Environment

MODULE 2: MODIFYING TEXT IN LATEX

Font size, Font Styles, Use of Parenthesis, Text Emphasis, Font Families, Text Alignment, Line breaks, indentation, Quotes, Dashes, Special Symbols, Page Format

MODULE 3: TYPESETTING MATHEMATICS IN LATEX

Math modes, Mathematical Notations, Fractions, Superscript and subscript, Parenthesis, Greek Symbols, Blackboard font, Tables and arrays, Tabular environment, Array, Merging columns. Calculus Notations, Logical Operators, Dots, Numerical Relations, Number Theory, Abstract Algebra

MODULE 4: PRESENTATION IN BEAMER

Frames, creating slides, Navigation, Multiple columns, Pause, Specification overlay, Blocks, Themes, Table of Contents.

Teaching Plan		
No		No. of Lectures
	Module 1 (INTRODUCTION TO LATEX)	2
1	Introduction	1
2	Into LaTeX window	1
	Module 2 (MODIFYING TEXT IN LATEX)	13
1	Font size	1
2	Font Style	1
3	Use of Parenthesis	1
4	Text Emphasis	1
5	Font Families	1
6	Text Alignment	1
7	Line break	1
8	Indentation	1
9	Quotes	1
10	Dashes	1
11	Special Symbols	1
12	Page Format	1

13	Bibliography	1
	Module 3 (TYPESETTING MATHEMATICS IN LATEX)	16
1	Math modes	1
2	Mathematical Notations	1
3	Fractions	1
4	Superscript and subscript	1
5	Parenthesis	1
6	Greek Symbols	1
7	Blackboard font	1
8	Tables and arrays	1
9	Tabular environment	1
10	Merging columns	1
11	Calculus Notations	1
12	Logical Operators	1
13	Dots	1
14	Numerical Relations	1
15	Number Theory	1
16	Abstract Algebra	1
	Module 4 (PRESENTATION IN BEAMER)	9

1	Frames	1
2	Creating slides	1
3	Navigation	1
4	Multiple columns	1
5	Pause	1
6	Specification overlay	1
7	Blocks	1
8	Themes	1
9	Table of Contents	1

References:

1. *LATEX: a document preparation system*, Leslie Lamport, Addison Wesley, 2nd Edition 1994
2. *LATEX Tutorials: A PREMIER by Indian TEX Users Group*, Edited by Dr. E Krishnan, 2003

Union Christian College, Aluva
Department of Mathematics

Value Added Course
Application Form

Name of the Student:

Class:

Roll Number:

Email:

Mobile Number:

Address for Communication:

Course Name:

Signature:

UNION CHRISTIAN COLLEGE ALUVA

PG & Research Department of Mathematics

Commencement of Online Add-On Courses

for BSc Mathematics Students

Online Classes

Practical Sessions

Real life Problem Solving

In Association with



A Club Seeking the Unknown Regions of Mathematics.

08/02/2023



Mr. Kurian C Soman
Course Co-Ordinator

Dr. Anu Nuthan Joshua
Head of the Department

Dr. M I Punnoose
Principal

Union Christian College, Aluva
Department of Mathematics

Value Added Course: Mathematical Typesetting Using LaTeX

Students Enrolment List

Sl. No	PRN	Name
1	210011015095	AARYA M A
2	210011015096	AISHWARYA P
3	210011015097	ALEENA ROSE
4	210011015099	ANUPAMA ANTONY
5	210011015100	FATHIMA A A
6	210011015101	JOSMI VARGHESE
7	210011015103	RESHMA MURALEEDHARAN
8	210011015104	SANDRA M V
9	210011015105	SANDRA PRABHAKAR
10	210011015106	SEENU JENNIS
11	210011015107	SEETHAL K P
12	210011015109	SUMAYYA SALIM
13	220011016037	AMEYA RAJ K
14	220011016038	ANAGHA K
15	220011016039	ANAGHA C A
16	220011016040	ATHULYA C
17	220011016041	AYANA THANKAPPAN
18	220011016042	MANJU RAMACHANDRAN
19	220011016043	MILANTA MARIYA MATHEW
20	220011016044	NANDHITHA ANN MARY
21	220011016045	NASREEN K
22	220011016046	RINSY K B

23	220011016047	SAFNA K S
24	220011016048	SAIRA FATHIMA P A
25	220011016049	SOORAJ P SOMAN
26	220011016050	SURYA SURESH
27	220011016051	VAISHNAVI V S
28	210021032123	ACHSAH JOSE
29	210021032124	ALEENA V P
30	210021032125	ANAGHA V S
31	210021032126	ANN GRACE STEPHEN
32	210021032127	ARUN JOY P
33	210021032128	CHRISTY VARGHESE JACOB
34	210021032129	E A AGUSTIN JEES
35	210021032130	FATHIMA V B
36	210021032131	GARGI RAJAN
37	210021032132	IRIN ANN SAJY
38	210021032134	MEENAKSHI K S
39	210021032135	NABIL SHIYAB
40	210021032136	NASILA M N
41	210021032137	NEERAJA REJISH
42	210021032138	NOORA NIZAR
43	210021032139	REVATHY V B
44	210021032140	RINSHITHA K S
45	210021032141	SANDRAKRISHNA K R
46	210021032142	SANU SURENDRAN
47	210021032143	SIVANI SHAJI
48	210021032144	YADHU KRISHNAN M S
49	210021032146	ANJANA O R
50	210021032148	ANUJA N J
51	210021032149	ARATHY RAJAN P

52	210021032150	ARCHA P S
53	210021032151	AVANTHIKA P B
54	210021032152	BASIL BABY
55	210021032154	KRISHNAPRIYA T A
56	210021032155	NIRANJAN K DAMODAR
57	210021032156	RIZWANA SHAPHEER
58	210021032157	SEETHAL LAL
59	210021032158	VISMIDHA P D
60	210021032159	VIVEK AJI

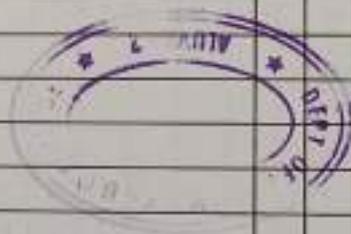
UNION CHRISTIAN

CLASS REGISTER OF ATTENDANCE

Class II MSc. Mathematics Group

Sl. No.	NAMES	Date	Periods												
			1	2	3	4	5	6	7	8	9	10	11		
1	Aarya M A		Present												
2	Aishwarya P		Present												
3	Aleena Rose		Present												
4	Anupama Antony		Present												
5	Fathima A A		Present												
6	Jasmi Varghese		Present												
7	Reshma Muralaee dharan		Present												
8	Sandra M V		Present												
9	Sandra Prabhakar		Present												
10	Seenu Jennis		Present												
11	Seethal K.P		Present												
12	Sunayya Salim		Present												

K. C. S.
Kurian, C. Soman
Course Co-ordinator



Dr. An. Mathan
Dr. An. Mathan
HEAD OF DEPARTMENT OF MATHEMATICS
UNION CHRISTIAN COLLEGE
ALUVA - 683 102

UNION CHRISTIAN

CLASS REGISTER OF ATTENDANCE

Class 1 MSc Mathematics Group

Sl. No.	NAMES	Date										11		
		Periods	1 15/5/23	2 16/5/23	3 17/5/23	4 18/5/23	5 19/5/23	6 22/5/23	7 23/5/23	8 24/5/23	9 25/5/23		10 26/5/23	
1	Ameya Raj K													
2	Anagha C A													
3	Anagha K													
4	Attulga C													
5	Ayana Thankappan													
6	Manju Ramachandran													
7	Milanta Maniya Mathew													
8	Nandhitha Ann Mary													
9	Nasreen K													
10	Rincy K B													
11	Safna K.S													
12	Saira Fathima P A													
13	Sooraj P Soman													
14	Swiya Suresh													
15	Vaishnavi V S													
	<u>K. C. S.</u>													
	Kurian G. Soman													
	Course Co-Ordinator													



Head of Department
 Dr. Ansa Mathan Joseph
 HEAD OF DEPARTMENT OF MATHEMATICS
 UNION CHRISTIAN COLLEGE
 ALUVA - 683 102

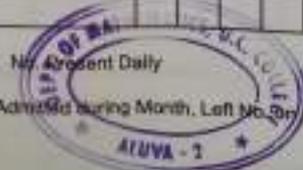
UNION CHRISTIA

CLASS REGISTER OF ATTENDANCE

Class 11 B5 Mathematics Group

Sl. No.	NAMES	Date	Periods																	
			1	2	3	4	5	6	7	8	9	10								
1	Achyah Jose																			
2	Aleena VP																			
3	Aranya VS																			
4	Arijana OR																			
5	Ann Grace Stephens																			
6	Anuja NJ																			
7	Anshu Rajan P																			
8	Ansha PS																			
9	Anus Joy P																			
10	Anandika PB																			
11	Basil Baby																			
12	Christy Mathew Jacob																			
13	E A Agustin Jose																			
14	Farhana VB																			
15	Geetha Rajan																			
16	Irin Ann Saji																			
17	Kanaka Priya TA																			
18	Manasvi KS																			
19	Nabil Shiyab																			
20	Nasira M N																			
21	Neeha Rajish																			
22	Niranjan K Damodaran																			
23	Neena Nizar																			
24	Devathy VB																			
25	Rishitha KS																			
26	Rizwana Stephens																			
27	Saravathina KR																			
28	Sarzi Sathyan																			
29	Seethal Lal																			
30	Swari Shaji																			
31	Vishvika PD																			
32	Vivek Aji																			
33	Vishnu Krishnan MG																			

Dr. Anuradha Joseph
 HEAD OF DEPARTMENT OF MATHEMATICS
 UNION CHRISTIAN COLLEGE
 ALUVA - 683 107



No. of Student Daily
 No. on Roll at beginning of Month, Admitted during Month, Left No. on Roll at end of Month

Kuniam, C. Soman
 Co-ordinator

Proposal

of

Value Added Course

on

Basics of Statistics Using Microsoft Excel

for

BSc Mathematics students

offered by

Department of Mathematics

Aim of the Course

To be familiar with statistical tools for data analysis. To learn how to use excel for tabulation and analysis of data. Have practical experience in real time data analysis using statistical formulae in Excel.

Program Specific outcome

- To understand the Statistical functions in Microsoft Excel
- To apply Excel for handling and analysing data.

Suggested Methodology of Teaching and Learning

- Online/Offline classes
- Practical sessions on Excel
- Practicing analysis of various data in Excel

Name of the Value Added Course: Basics of Statistics Using Microsoft Excel

Duration	Course Code	Hours per week	Modules	Exam hours
30 hours	MLCBSE	3	4	1

Course Outcomes

CO1	Understand the uses of various short-cuts in Excel
-----	--

CO2	Understand how to measure central tendencies of a data using Excel
CO3	Calculate the various measures of dispersion of a data using Excel
CO4	Practicing real-life problems.

Syllabus

Module 1 - Introduction

Short-cuts in Microsoft Excel, Arranging data-frequency distribution of row data.

Module 2 - Central Tendencies and Ogives

Central Tendencies- mean, median and mode- for various types of data. Examples. Ogives- less than and greater than ogives.

Module 3 - Measures of dispersion

Mean deviations about mean, median and mode- Examples, Variance, Standard Deviations. Data analysis add-in in Microsoft Excel. Statistical Functions in Excel.

Module 4 - Practicing Problems

Real life problems involving the topics from first three modules.

Teaching Plan		
No	Topic	No. of Lectures

	Module 1 - Introduction	5
1	Short-cuts in MS Excel	3
2	Frequency distribution of data	2
	Module2 - Central Tendencies and Ogives	11
1	Mean	2
2	Median	2
3	Mode	2
4	Examples for central tendencies	3
5	Less than ogive	1
6	Greater than ogive	1
	Module 3- Measures of dispersion	8
1	Mean deviation about Mean.	1
2	Mean deviation about Median	1
3	Mean deviation about mode	1
4	Variance	1
5	Standard Deviation	1
6	Statistical Functions in Excel	3
	Module 4- Practicing Problems	6

1	Real life problems	6
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References

1. *Information Technology Training Course- Practice Manual*, by The Institute of Chartered Accountants of India, 2017
2. *Microsoft Excel 2019 Bible, 1st Edition*, by Michael Alexander, Richard Kusleika, John Walkenbach
3. *Beginning Excel 2019*, Noreen Brown, Barabara Lave, Hallie Puncochar, Julie Romey, Mary Schatz, Art Schneider and Diane Shingledecker, Published by Open Oregon Educational Resources

Union Christian College, Aluva
Department of Mathematics
Value Added Course
Application Form

Name of the Student:

Class:

Roll Number:

Email:

Mobile Number:

Address for Communication:

Course Name:

Signature:

UNION CHRISTIAN COLLEGE ALUVA

PG & Research Department of Mathematics

Commencement of
Online Add-On Courses
for BSc Mathematics Students

Online Classes

Practical Sessions

Real life Problem Solving

In Association with



A Club Seeking the Unknown Regions of Mathematics

08/02/2023



Mr. Kurian C Soman
Course Co-Ordinator

Dr. Anu Nuthan Joshua
Head of the Department

Dr. M I Punnoose
Principal

Union Christian College, Aluva

Department of Mathematics

Value Added Course: Basics of Statistics Using Microsoft Excel

Students Enrolment List

Sl. No	PRN	Name
1	220021030775	AALIYA KHALID
2	220021030776	AAVANI T A
3	220021030777	ABHINAV M G
4	220021030778	ABHIRAMI M B
5	220021030780	ADARSH M A
6	220021030781	AISWARYA S
7	220021030782	ALEENA GEORGE
8	220021030783	AMBILI M S
9	220021030784	ANNETTE ROSE GEORGE
10	220021030786	CHANDANA P V
11	220021030787	DARSANA RANJITH
12	220021030788	DEVANANDHA P S
13	220021030789	FAHAD FAIZAL
14	220021030790	GOPIKA S
15	220021030791	GOWRI K R
16	220021030793	JINTU ELSA OOMMEN
17	220021030795	LIYA P E
18	220021030797	MERINE SHAJU
19	220021030798	MUHAMMAD THANVEER O T
20	220021030799	NAUFIYA K S

21	220021030801	RUKSANA V R
22	220021030802	SAMUEL ANTONY JACOB
23	220021030803	SAVIN BABU C S
24	220021030804	SETHULAKSHMI K T
25	220021030805	SREEPRIYA NAIR
26	220021030806	SUNIL DEV V S
27	220021030807	SURYAKANTHI S
28	220021030808	THAYIB HASHIM
29	220021030810	VAISHNAVI KRISHNA

UNION CHRISTIAN COLLEGE

CLASS REGISTER OF ATTENDANCE

Class: I Bsc Mathematics Group:

Sl. No.	NAMES	Date	Periods												
			1	2	3	4	5	6	7	8	9	10			
1	Aaliya khalid		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Aavani T A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Abhinav M U		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Abhinami M B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Adarsh M A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Aiswarya S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Aleena George		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Ambili M s		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Annette Rose George		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Chandana P V		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Darshna Darjith		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Devanandha P S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Fahad faizal		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Gopika S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Gowri K R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	Tintu Flsa Dommun		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	Liya P F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Mehina Shaju		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Muhammad Tharveen A T		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	Naufiya K S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	Ruksana V R		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	Samuel Antony Jacob		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	Savin Babu C S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	Setludakshmi k T		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	Sreepriya Nain		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	Sunil Dev V s		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	Suryakantli S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	Thayib Hashim		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	Vijaya Vaishnavi Krishna		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	<u>K. C. S.</u>														
	Kurian, C. Soman														
	Course Co-Ordinator														



Head of Department of Mathematics
 Union Christian College
 ALUVA - 683 182

COURSE 26: MECHANICS OF RESEARCH AND ACADEMIC WRITING

Union Christian College, Aluva
Department of English

Notice

The Department of English will start the following Value Added Course for III BA (6th Semester) semester and II MA (4th semester) students of the department:

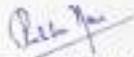
Mechanics of Research and Academic Writing

It will be a 30 contact hour course consisting of classroom lectures and assignments.

It is compulsory for all students from the above mentioned classes to enroll themselves for the course.

Date: 25/11/2022




Head of the Department

REKHA NAIR
Head of the Department
Department of English
Union Christian College
Aluva-2

**Proposal for Value-Added Course in
Mechanics of Research and Academic Writing**

**Submitted by
Department of English
Union Christian College, Aluva**



Mechanics of Research and Academic Writing

Hours: 30

Course Description:

This course is designed to introduce English literature students to the fundamentals of academic writing and research methods. The course will cover the key components of academic writing such as selecting and refining research topics, conducting research, synthesizing sources, developing a thesis statement, organizing and drafting a paper, and revising and editing. The course will also focus on developing essential research skills by teaching students how to evaluate, analyze, and document sources. The course will be tailored specifically for final year BA and MA English literature students, with examples and exercises drawn from literature and literary analysis.

Course Objectives:

- To introduce English literature students to the principles of academic writing and research methods.
- To develop students' ability to select and refine research topics related to literature and literary analysis.
- To enhance students' skills in synthesizing sources and developing a thesis statement for a research paper.
- To enable students to organize, draft, and revise an effective research paper.
- To teach students essential research skills, such as evaluating, analyzing, and documenting sources.

Learning Outcomes:

Upon completion of the course, English literature students will be able to:

- Select and refine research topics related to literature and literary analysis.
- Synthesize sources and develop a thesis statement for a research paper.
- Organize, draft, and revise an effective research paper.
- Evaluate, analyze, and document sources for a research paper.

Module 1:

5 hours

Introduction to academic writing and research methods

- Overview of the course
- What is academic writing?
- Understanding the research process
- Types of research in literature

Module 2:

5 hours

Developing a Research Topic and Thesis Statement

- Selecting and refining a research topic
- Crafting a thesis statement for a research paper
- Developing a research question
- Generating research ideas from literary analysis

Module 3:

5 hours

Conducting Research and Synthesizing Sources

- Strategies for finding and evaluating sources

- Synthesizing and analyzing sources
- Creating annotated bibliographies
- Avoiding plagiarism in academic writing

Module 4: **5 hours**

Organizing and Drafting an Effective Research Paper

- Outlining a research paper
- Introduction and conclusion in academic writing
- Paragraph development in academic writing
- Using transitions in academic writing

Module 5: **5 hours**

Revising and Editing for Clarity and Coherence

- Strategies for revision and editing
- Improving sentence structure and clarity in academic writing
- Avoiding common writing mistakes in academic writing
- Incorporating feedback on academic writing

Module 6: **5 hours**

Putting It All Together for Literature

- Applying critical thinking skills to literary analysis
- Collaborative writing exercises for literary analysis
- Final literary writing assignment

Assessment:

- Class participation and engagement (20%)
- Quizzes and short assignments (30%)
- Written assignments (50%)

Reference Books:

- *A Manual for Writers of Research Papers, Theses, and Dissertations* by Kate L. Turabian
- *The Elements of Style* by William Strunk Jr. and E. B. White
- *The Craft of Research* by Wayne C. Booth, Gregory G. Colomb, and Joseph M. Williams
- *Critical Theory Today* by Louis Tyson
- *Research Method for English Studies* by Gabriele Griffin
- *Research Methods for Cultural Studies* by Michael Pickering



Department of English

Workload Distribution

UG

Sl No	Name of Faculty	No. of Hours
1	Dr. Akhila Narayanan	5
2	Ms. Rekha Nair	5
3	Ms. Ann S	5
4	Dr. Asha Baby Mathews	5
5	Dr. Sonia Chacko	5
6	Ms. Sheenu Varghese	5

PG

Sl. No	Name of Faculty	No. of Hours
1	Dr. Akhila Narayanan	20
2	Mr. Alwin Alexander	10



Course Coordinator



Head of the Department



Principal
Prof. Dr. M. I. Punnoose
Principal
Union Christian College, Aluva-2





DEPARTMENT OF ENGLISH, UNION CHRISTIAN COLLEGE, ALUVA

MECHANICS OF RESEARCH & ACADEMIC WRITING

A Value-added Course



—
***Comprehensive
guide for BA and MA
English students to
improve their
research and writing
skills.***
—

In today's world, research and academic writing skills are essential to excel in academic and professional settings. *Mechanics of Research and Academic Writing* course is designed to equip you with the necessary skills to succeed in your academic and professional life.

This course is designed to provide you with a comprehensive guide to research and academic writing. It is a vital course for all BA and MA English students who want to improve their research and writing skills.



OVERVIEW

Benefits of the Course

- Learn the essential mechanics of research and academic writing
- Develop research and writing skills to excel in academic and professional settings
- Understand the structure and format of academic papers
- Improve critical thinking and analytical skills
- Learn how to avoid plagiarism and maintain academic integrity
- Enhance your ability to communicate your ideas effectively

Course Content

- Research methods and techniques
- Analyzing and synthesizing information
- Understanding academic papers' structure and format
- Developing an argument and supporting it with evidence
- Writing techniques and styles
- Citation and referencing
- Plagiarism and academic integrity
- Critical thinking and analytical skills

Course Format

This course consists of lectures, discussions, group activities, and writing assignments. The course is designed to provide you with hands-on experience in research and academic writing. You will work on a research project throughout the course and submit a final dissertation at the end.

Course Duration

The course duration is 30 hrs. The classes will be in hybrid mode. On completion of the course, the student will be awarded a certificate.

Co-ordinators: Ms. Rekha Nair & Akhila Narayanan



UNION CHRISTIAN COLLEGE, ALUVA

DEPARTMENT OF ENGLISH

Value Added Course: Mechanics of Research and Academic Writing

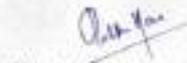
Student Enrolment List **BA ENGLISH**

Sr. No.	University Register No.	Name of candidate
1	200021001417	ABHAV P H
2	200021001418	ADWATHI AJITH
3	200021001419	AISHWARYA JANE
4	200021001420	AL JASEENA K S
5	200021001421	AMARNATH P S
6	200021001422	ANAMIKA SEVAN
7	200021001423	ANANDHAPADMANABHAN P A
8	200021001424	ANJANA SHIBI
9	200021001425	ANNA ROSE K S
10	200021001426	ANUPAMA THELAKAN
11	200021001427	APARNA V U
12	200021001428	ARDRA A S
13	200021001429	ARDRA K DAS
14	200021001430	ASSINA ROSE THARIAN
15	200021001431	ATHUL PRAKASH T
16	200021001432	EBEN SHI

17	200021001433	FATHMATH HENINE KHAN
18	200021001434	GAYATHRI S
19	200021001435	HANAN HUSSAIN
20	200021001436	HIMA ABY
21	200021001437	IPSIN IQBAL
22	200021001438	JACOB GEORGE
23	200021001439	K B AMEENA
24	200021001440	KRISHNENDHU P NAIR
25	200021001441	MIDHUN PRASAD
26	200021001442	MIDHUNA M M
27	200021001443	MUNEERA MUHAMMED
28	200021001444	NANDANA C K
29	200021001445	NAYANA CHRISTO KEECHERY
30	200021001446	NIKHIL STEPHEN MATHIEW
31	200021001447	OLEEVIA VARGHESE
32	200021001448	POOJA MURALI
33	200021001449	ROMINA VARGHESE
34	200021001451	SANGAMITHRA P A
35	200021001452	SWARUP ANTONY K J
36	200021001453	VAISHNAVI S
37	200021001454	ADHILA M N
38	200021001455	AFREENA FIROZ
39	200021001456	ALEENA SHAJI
40	200021001457	AMITH PRABHAKAR
41	200021001458	APARNA J
42	200021001459	ATHIRA HARI
43	200021001460	ATHIRA S NAIR
44	200021001461	BHAGYA G

45	200021001462	DEVIKA K VJAY
46	200021001463	FATHIMA NAZAR
47	200021001464	HANAN V ANSARI
48	200021001465	JISHNA T.SASIKUMAR
49	200021001466	KRIPA K G
50	200021001467	MEERA BABU M
51	200021001468	NIYA MARIAM SANTHOSH
52	200021001469	P B BHAGYALAKSHMI
53	200021001470	ROJITH R J
54	200021001471	SAYANA E S
55	200021001472	SREEDHA MANOJ
56	200021001473	SUSAN SANO
57	200021001474	VARADA NAIR V
58	200021001475	VISHNU PRASAD M A
59	200021001476	LILIANN DEEPU JOHN


Teacher in Charge


Head of the Department

REKHA NAIR
Head of the Department
Department of English
Union Christian College
Aluva-2





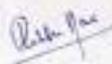
UNION CHRISTIAN COLLEGE, ALUVA
DEPARTMENT OF ENGLISH

Value added course for II MA English
Course Title: Mechanics of Research and Academic Writing

1	210011004297	Adithya P
2	210011004298	Aisha Japhar
3	210011004299	Akhila Polly
4	210011004300	Anjitha Devasay
5	210011004301	Ann Mariya Jomon
6	210011004302	Esny Elias
7	210011004303	Ganga Muralidharan
8	210011004304	Jays Boben
9	210011004305	Maneesha Manohar
10	210011004306	Nekha Pratap
11	210011004307	Nidhya Babu
12	210011004308	Ojaswini S Prabha
13	210011004309	Ritty Roy
14	210011004310	Sabna P K
15	210011004311	Sruthi K Suresh
16	210011004312	Suryadevi M Madhu


Teacher in Charge




Head of the Department

REKHA NAIR
Head of the Department
Department of English
Union Christian College
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COURSE 27: RUBBER PRODUCT MANUFACTURING AND TESTING

COURSE 28: FOOD CHEMISTRY



Department of Chemistry
Union Christian College, Aluva

VALUE ADDED
COURSE
2022-23

**ENROLL
NOW**



More information contact

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+91- 9249512906

**Rubber Products
Manufacturing
and Testing**

Unit 1: Natural Rubber Latex (4 Hrs)

Latex composition and preservation: NR Latex-Definition-composition -cultivation & harvesting- preservation - types of preservation- Latex concentration methods: Concentration - properties - advantages - methods - evaporation-creaming- centrifuging - electrodecantatio-Ball milling & Compounding: Dispersion - emulsion - ball milling - calculation - checking - compounding ingredients - compounding - curing methods (Autoclave, oven, water bath)-Applications of latex: Dipped product (Balloons ,condoms, gloves) - Sprayed (carpet backing)-Latex foams (bed) - threads (elastic)

Unit 2: Natural & synthetic rubber (6 Hrs)

Natural rubber production: Marketable forms of NR- RSS - ISNR - EBC - PLC - Scrap (cup lumps, earth scrap, bark lace etc.-Introduction to synthetic rubber: General purpose SR - special purpose SR- speciality purpose SR - Compounding & ingredients: Description - properties - purpose of ingredients - mastication- mixing sequence-master batch - final batch-Types of Mixing machinery: Friction ratio - advantages of each machinery - time & temperature - safety & cooling system- open roll mill- inter mix - banbury - kneader- brabender - Moulding techniques: Moulding concept - calendaring - extrusion- vulcanization - time ,temperature & pressure - compression moulding - transfer moulding-Applications of dry rubber: Tyre - Automobile parts - electrical parts - wash & O rings - foot wear - medical filed - hose etc.

Unit 3: Quality (7 Hrs)

Quality concept and importance: Concept - advantages - quality in managerial level- raw material quality - quality of finished goods - Testing methods and standards: Importance of testing - national & international standards - types of standards- benefits of standardization- specifications - repeatability - accuracy - Quantitative and qualitative analysis: Quantity - definition - units - formulas-Quality - definition - visual inspection (RSS)-Raw rubber testing - standards & methods: ISNR - Ash , Dirt , PO & PRI, Volatile, Mooney viscosity-Latex - Ammonia , DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number- Testing of products - standards & methods: Cure properties - Abrasion - Hardness- Specific gravity - Tensile properties - Tear properties

Unit 4 : Safety measures (6 Hrs)

Safe material handling in laboratory: Importance - safety measures & equipments (glove, mask, tongs etc)-Factory visit: Latex/ Dry rubber based industry- Practical - latex testing: DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number-Practical : Dispersion, Ball milling and latex compounding

Unit 5 : Industrial visit and practical (7Hrs)

Safe material handling in rubber industry- Factory visit: Latex/ Dry rubber based industry- Practical - Familiarization of compounding ingredients & mixing mill - Rubber compounding - Test sample preparation -Practical - Raw rubber and final product testing: ISNR - Ash , Dirt , PO & PRI, Volatile, Mooney viscosity-Cure properties - Abrasion - Hardness- Specific gravity - Tensile properties - Tear properties

Syllabus

Rubber Products Manufacturing and Testing

Total: 30 Hrs

Unit 1: Natural Rubber Latex (4 Hrs)

1.1 Latex composition and preservation: NR Latex-Definition-composition - cultivation & harvesting- preservation – types of preservation

1.2 Latex concentration methods: Concentration – properties - advantages – methods - evaporation-creaming- centrifuging - electrodecantation

1.3 Ball milling & Compounding: Dispersion - emulsion – ball milling - calculation – checking – compounding ingredients – compounding – curing methods (Autoclave, oven, water bath)

1.4 Applications of latex: Dipped product (Balloons ,condoms, gloves) – Sprayed (carpet backing)-

Latex foams (bed) – threads (elastic)

Unit 2: Natural & synthetic rubber (6 Hrs)

2.1: Natural rubber production: Marketable forms of NR- RSS – ISNR – EBC – PLC – Scrap (cup lumps, earth scrap, bark lace etc.)

2.2: Introduction to synthetic rubber: General purpose SR – special purpose SR- specialty purpose SR -

2.3: Compounding & ingredients: Description – properties – purpose of ingredients – mastication- mixing sequence- master batch – final batch

2.4: Types of Mixing machinery: Friction ratio – advantages of each machinery – time & temperature – safety & cooling system- open roll mill- inter mix – banbury – kneader- brabender

2.5: Moulding techniques: Moulding concept – calendaring – extrusion- vulcanization - time ,temperature & pressure – compression moulding – transfer moulding

2.6: Applications of dry rubber:

Tyre – Automobile parts – electrical parts - wash & O rings – foot wear – medical filed – hose etc.

Unit 3: Quality (7 Hrs)

3.1: Quality concept and importance: Concept – advantages – quality in managerial level- raw material quality – quality of finished goods

3.2: Testing methods and standards: Importance of testing – national & international standards – types of standards- benefits of standardization- specifications – repeatability – accuracy -

3.3: Quantitative and qualitative analysis: Quantity - definition – units – formulas
Quality – definition – visual inspection (RSS)

3.4:Raw rubber testing - standards & methods: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Latex – Ammonia , DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

3.5: Testing of products - standards & methods: Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

Unit 4 : Safety measures (6 Hrs)

4.1: Safe material handling in laboratory: Importance – safety measures & equipments (glove, mask, tongs etc)

4.2: Factory visit: Latex/ Dry rubber based industry

4.3: Practical - latex testing: DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

4.4: Practical : Dispersion, Ball milling and latex compounding

Unit 5 : Industrial visit and practical (7Hrs)

5.1: Safe material handling in rubber industry

5.2: Factory visit: Latex/ Dry rubber based industry

5.3: Practical - Familiarization of compounding ingredients & mixing mill - Rubber compounding - Test sample preparation

5.4: Practical - Raw rubber and final product testing: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

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25. Extrusion of plastics, E.G.Fisher, Newnes-Butterworths.
 26. F.J.Kovac- Tyre Technology, 4th edition, The Goodyear Tyre & Rubber Company

Department of Chemistry
UNION CHRISTIAN COLLEGE, ALUVA

COURSE PLAN

Department	CHEMISTRY
Name of Faculty	Dr. AJALESH B NAIR
Programme Name	B.Sc. CHEMISTRY
Level of study	UG
Semester	III & IV
Course Name/Subject Name	Rubber Products Manufacturing and Testing
Total Hours	30

Course Outcomes

CO Number	Description	CO Evaluation methods
CO1	To understand the basic concepts of rubber products-applications, natural rubber latex, natural and synthetic rubbers.	Assignment/Seminar, Test
CO2	To familiarize quality testing methods	Assignment/Seminar, Test
CO3	To Learn about final product testing methods, quality control, safety measures	Assignment/Seminar, Test

Unit 1: Natural Rubber Latex

Hours: 4

1.1 Latex composition and preservation: NR Latex-Definition-composition -cultivation & harvesting- preservation – types of preservation

1.2 Latex concentration methods: Concentration – properties - advantages – methods - evaporation-creaming- centrifuging - electrodecantation

1.3 Ball milling & Compounding: Dispersion - emulsion – ball milling - calculation – checking – compounding ingredients – compounding – curing methods (Autoclave, oven, water bath)

1.4 Applications of latex: Dipped product (Balloons ,condoms, gloves) – Sprayed (carpet backing)- Latex foams (bed) – threads (elastic)

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1	Latex composition and preservation: NR Latex-Definition-composition - cultivation & harvesting- preservation – types of preservation	1	Lecture
2	CO1	Latex concentration methods: Concentration – properties - advantages – methods - evaporation- creaming- centrifuging - electrodecantation 1.3 Ball milling & Compounding: Dispersion - emulsion – ball milling - calculation – checking – compounding ingredients – compounding – curing methods (Autoclave, oven, water bath	1	Lecture
3	CO1	Applications of latex: Dipped product (Balloons ,condoms, gloves) – Sprayed (carpet backing)- Latex foams (bed) – threads (elastic)	2	Lecture

Unit 2: Natural & synthetic rubber

Hours : 6

2.1: Natural rubber production: Marketable forms of NR- RSS – ISNR – EBC – PLC – Scrap (cup lumps, earth scrap, bark lace etc.)

2.2: Introduction to synthetic rubber: General purpose SR – special purpose SR- specialty purpose SR

-

2.3: Compounding & ingredients: Description – properties – purpose of ingredients – mastication-
mixing sequence- master batch – final batch

2.4: Types of Mixing machinery: Friction ratio – advantages of each machinery – time & temperature
– safety & cooling system- open roll mill- inter mix – banbury – kneader- brabender

2.5: Moulding techniques: Moulding concept – calendaring – extrusion- vulcanization - time
,temperature & pressure – compression moulding – transfer moulding

2.6:Applications of dry rubber:

Tyre – Automobile parts – electrical parts - wash & O rings – foot wear – medical filed – hose etc.

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1	Natural rubber production: Marketable forms of NR- RSS – ISNR – EBC – PLC – Scrap (cup lumps, earth scrap, bark lace etc.) 2.2: Introduction to synthetic rubber: General purpose SR – special purpose SR- specialty purpose SR -	2	Lecture
2	CO1	2.3: Compounding & ingredients: Description – properties – purpose of ingredients – mastication- mixing sequence- master batch – final batch 2.4: Types of Mixing machinery: Friction ratio – advantages of each machinery – time & temperature – safety & cooling system- open roll mill- inter mix – banbury – kneader- brabender	2	Lecture
3	CO1	2.5: Moulding techniques: Moulding concept – calendaring – extrusion- vulcanization - time ,temperature & pressure – compression moulding – transfer moulding 2.6:Applications of dry rubber: Tyre – Automobile parts – electrical parts - wash & O rings – foot wear – medical filed – hose etc.	2	Lecture

Unit 3: Quality

Hours: 7

3.1: Quality concept and importance: Concept – advantages – quality in managerial level- raw material quality – quality of finished goods

3.2: Testing methods and standards: Importance of testing – national & international standards – types of standards- benefits of standardization- specifications – repeatability – accuracy -

3.3: Quantitative and qualitative analysis: Quantity - definition – units – formulas

Quality – definition – visual inspection (RSS)

3.4:Raw rubber testing - standards & methods: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Latex – Ammonia , DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

3.5: Testing of products - standards & methods: Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO2	3.1: Quality concept and importance: Concept – advantages – quality in managerial level- raw material quality – quality of finished goods 3.2: Testing methods and standards: Importance of testing – national & international standards – types of standards- benefits of standardization- specifications – repeatability – accuracy -	2	Lecture
2	CO2	3.3: Quantitative and qualitative analysis: Quantity - definition – units – formulas Quality – definition – visual inspection (RSS) 3.4:Raw rubber testing - standards & methods: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity	3	Lecture
3	CO2	Latex – Ammonia , DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number 3.5: Testing of products - standards & methods: Cure properties - Abrasion –	2	Lecture

Hardness- Specific gravity – Tensile properties – Tear properties

Unit 4 : Safety measures

Hours: 6

4.1: Safe material handling in laboratory: Importance – safety measures & equipments (glove, mask, tongs etc)

4.2: Factory visit: Latex/ Dry rubber based industry

4.3: Practical - latex testing: DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

4.4: Practical : Dispersion, Ball milling and latex compounding

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO2	4.1: Safe material handling in laboratory: Importance – safety measures & equipments (glove, mask, tongs etc)	2	Lecture
2	CO2	4.2: Factory visit: Latex/ Dry rubber based industry	2	Lecture
3	CO2	4.3: Practical - latex testing: DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number	1	Lecture/Lab
4	CO2	4.4: Practical : Dispersion, Ball milling and latex compounding	1	Lecture/Lab

Unit 5 : Industrial visit and practical

Hours: 7

5.1: Safe material handling in rubber industry

5.2: Factory visit: Latex/ Dry rubber based industry

5.3: Practical - Familiarization of compounding ingredients & mixing mill - Rubber compounding - Test sample preparation

5.4: Practical - Raw rubber and final product testing: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

Sl.no	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO3	5.1: Safe material handling in rubber industry 5.2: Factory visit: Latex/ Dry rubber based industry	2	Lecture/Lab
2	CO3	5.3: Practical - Familiarization of compounding ingredients & mixing mill - Rubber compounding - Test sample preparation	3	Lecture/Lab
3	CO3	5.4: Practical - Raw rubber and final product testing: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties	2	Lecture



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List of students enrolled in the Course: Rubber product manufacturing and testing

Name	University RegNo
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ALEN JACOB	210021025530
ANSA ANTONY	210021025531
ASWIN KUNJACHAN	210021025532
DEVIKA SANTHOSH	210021025533
DON THOMAS	210021025534
E A MUHAMMED SINAAN	210021025535
GOKUL KRISHNA P V	210021025536
GOPIKA SASEENDRAN	210021025537
KHADEEJA ROOSHIN P M	210021025538
PAVITHRA P S	210021025539
SERONE PETER	210021025540
ADITHYA LALU	210021025541
AEIRA JOSEPH	210021025542
ALWIN SHIBU	210021025543
ANJANA V MANI	210021025544
ANUMOD C A	210021025545
ARAVIND BABU	210021025546
ARYA C S	210021025547
DEVIKRISHNA B	210021025548
FAJIZA FAROOQU M M	210021025549
FATHIMA C A	210021025550
FATHIMA P M	210021025551
GAYATHRI SHAJI	210021025552
HITHA K H	210021025553
JASEERA NASRIN C A	210021025554
JENNATH RAHEEM	210021025555
KRISHNAPRIYA M K	210021025556
LEKHANA M	210021025557
LIYA SUNNY	210021025558

MARIA VARGHESE	210021025559
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MISHMA ROSE MAJU	210021025561
NANDANA HARISUDHAN	210021025562
NANDHANA A S	210021025563
NAVYA M	210021025564
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NIRMAL K S	210021025566
RAMSIYA BEEGUM C A	210021025567
RAZEENA M Z	210021025568
RUFAIDA PARVEEN A	210021025569
SANDRA PULIKKAL	210021025570
SHIFANA M R	210021025571
SHYBAS KHAN M M	210021025572
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VYSHNAVY N B	210021025574
SREENITHI K	210021026403

Count : 47

Coordinator
Principal

Head of the department



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VALUE ADDED COURSES

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NOTICE

The department of Chemistry shall start Value-added course,

Title: Rubber Products Manufacturing and Testing

It shall be a 30 contact hours including a series of lectures and practical session. Students from the departments are requested to enrol themselves for the above mentioned course and participate actively to make it a grand success.

Aluva

Head of the Department

PROPOSAL
OF
VALUE ADDED COURSE ON

TITLE: RUBBER PRODUCTS

MANUFACTURING AND TESTING

FOR II B.SC CHEMISTRY STUDENTS

OFFERED BY,

DEPARTMENT OF CHEMISTRY

UNION CHRISTIAN COLLEGE, ALUVA



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2609194, 260 6711

AIM: Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which contribute professional adequacy student and are the every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain type of jobs.

OBJECTIVE: To understand the basic concepts of rubber products-applications, natural rubber late, natural and synthetic rubbers. To familiarize quality testing methods. To learn about final product testing methods, quality control, and safety measures.

Program coordinator

Head of the department

Syllabus: Rubber Products Manufacturing and Testing

Total: 30 Hrs

Unit 1: Natural Rubber Latex (4 Hrs)

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3.1: Quality concept and importance: Concept – advantages – quality in managerial level- raw material quality – quality of finished goods

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3.3: Quantitative and qualitative analysis: Quantity - definition – units – formulas

Quality – definition – visual inspection (RSS)

3.4:Raw rubber testing - standards & methods: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Latex – Ammonia , DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

3.5: Testing of products - standards & methods: Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

Unit 4 : Safety measures (6 Hrs)

4.1: Safe material handling in laboratory: Importance – safety measures & equipments (glove, mask, tongs etc)

4.2: Factory visit: Latex/ Dry rubber based industry

4.3: Practical - latex testing: DRC , TSC , NRC, MST, VFA, pH, Viscosity, KOH number

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5.3: Practical - Familiarization of compounding ingredients & mixing mill - Rubber compounding - Test sample preparation

5.4: Practical - Raw rubber and final product testing: ISNR – Ash , Dirt , P0 & PRI, Volatile, Mooney viscosity

Cure properties - Abrasion – Hardness- Specific gravity – Tensile properties – Tear properties

References:

1. Text book of Polymer Science by Fred W Billmeyer- Wiley International Publishers.
2. Text book of Polymer Science by V R Gowariker, N V Viswanathan, Jayadev Sreedhar.
3. Rubber technology & manufacture by C M Blow.
4. Annual book of ASTM Standards 2012.
5. Text book for 'Tire Engineering An Introduction (1st edition) by Brendan Rodgers.
6. Rubber Technology (3rd edition) by Maurice Morton.
7. The Science and Technology of Rubber (3rd edition) by James E Mark ,Burak Erman, Frederick R Eirich.
8. Engineering chemistry (2nd edition) by K E George, Rani Joseph, Ushamani M.
9. A text book of Polymer Chemistry by M S Bhatnagar.
10. Handbook of Natural Rubber Production in India, Published by RRII, Rubber Board.
11. Organic Polymer Chemistry by K.J. Saunders- Chapman and Hall Publishers.
12. Polymer processing: D. H. Morton Jones, Chapman & Hall
13. Polymer processing Fundamentals: Tim A. Osswald, Hanser
14. Plastics Engineering, Crawford R. J., Pergamon.
15. Brydson. J. A - Flow properties of polymer melts - Godwin, Plastic & Rubber Institute.
16. Hose Tecnolgy, E W Evans, Applied Science Publishers.
17. Theory and practice of Engineering with rubbers, Freakley and Payne.
18. Man made fibres – R.W.Moncrieff,Newnes-Butterworths, London.
19. Adhesives in manufacturing, Gerald L.Schnberger, Marcel Dekker Inc., New York, (1983)
20. "Polymer Latices" 2nd edition. Volume I, II & III by D.C.Blackley- Applied Science Publishers, London.
21. "Polymer Latices and their Applications" by K.O.Calvert Applied Science Publishers, London.
22. ISO, BIS, ASTM, BS and DIN standards
23. Polymer Blends by Paul D.R.and Newman S. Academic Press.
24. Injection mould design, R.C.W.Pye, George Godwin.
25. Extrusion of plastics, E.G.Fisher, Newnes-Butterworths.
26. F.J.Kovac- Tyre Technology, 4th edition, The Goodyear Tyre & Rubber Company



UNION CHRISTIAN COLLEGE

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**Post Box No. 5
Aluva – 683102**

Kerala, India

☎ 0484-2606033,
2609194, 260 6711

Details of the course

Course Title: Rubber product manufacturing and testing

Duration : 30 Hours

Eligibility: BSc Chemistry Second Year

Batch Size: 50

Class timing: Summer vacation

Course Coordinator: Dr. Ajalesh B Nair

Faculty members: Dr. Jenish Paul

Dr. Neethumol Varghese

Aluva

Head of the Department



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2609194, 260 6711

Work load distribution

Course Title: Rubber product manufacturing and testing

SI No	Name of Faculty	Theory/ Practical
1	Dr. Ajalesh B Nair	10
2	Dr. Jenish Paul	10
3	Dr. Neethumol Varghese	10

Head of the department

Principal



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Post Box No. 5
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Kerala, India

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2609194, 260 6711

Application Form

Course Title: Rubber product manufacturing and testing

Name of student:

Class:

Roll No:

E-mail:

Mob No:

Address for communication:

Course Name:

Signature:

Coordinator
Principal

Head of the department

UNION CHRISTIAN COLLEGE, ALUVA

Value Added Course – Syllabus

COURSE PLAN (2022- 2023)

Department	CHEMISTRY
Name of Value added course	Food Chemistry
Participants	10
Semester	2
Total Hours	30
Maximum Intake	20

Course Outcomes

CO Number	Description	CO Evaluation methods
CO1	To understand the chemistry of food adulteration and adulterants and understand the methods of analyzing the adulterants	Assignment/Seminar, Test
CO2	To acquire knowledge about food additives	Assignment/Seminar, Test
CO3	To understand the chemistry of beverages and soft drinks	Assignment/Seminar, Test

CO4 To acquire knowledge about various edible oils and the processing techniques related to oils

Assignment/Seminar, Test

Module 1: Unit 1 Food Adulteration

Hours: 12

Syllabus: Sources of food, types, advantages and disadvantages. Food adulteration - contamination of wheat, rice, mlk, butter etc. with clay stones, water and toxic chemicals – Common adulterants. Ghee adulterants and their detection. Detection of adulterated Foods by simple analytical techniques.

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1	Sources of food, types, advantages and disadvantages.	2	Group discussion/lecture
2	CO1	Food adulteration - contamination of wheat, rice, mlk, butter etc. with clay stones, water and toxic chemicals	4	Lecture
3	CO1	Common adulterants. Ghee adulterants and their detection. Detection of adulterated Foods by simple analytical techniques.	6	Lecture/demonstration

Unit 2: Food Additives:

Hours : 8

Syllabus: Food additives - artificial sweeteners - Saccharin - Cyclamate and aspartate. Food flavours - esters, aldehydes and heterocyclic compounds. Food colours - restricted use - spurious colours – Emulsifying agents - preservatives ,leavening agents. Baking powder yeast - taste makers – MSG, vinegar.

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO2	Food additives - artificial sweeteners - Saccharin - Cyclamate and aspartate.	2	Lecture
2	CO2	Food flavours - esters, aldehydes and heterocyclic compounds. Food colours - restricted use - spurious colours	3	Lecture
3	CO2	Emulsifying agents - preservatives ,leavening agents. Baking powder yeast - taste makers – MSG, vinegar.	3	Lecture

Unit 3 Beverages:**Hours: 6**

Beverages - Soft drinks - soda - fruit juices - alcoholic beverages examples. Carbonation – addiction to alcohol - cirrhosis of liver and social problems. (6 Hrs)

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO3	Beverages - Soft drinks - soda - fruit juices	2	Lecture
2	CO3	alcoholic beverages examples. Carbonation –	2	Lecture
3	CO3	addiction to alcohol - cirrhosis of liver and social problems	2	Lecture/discussion

Unit 4 Edible Oils**Hours: 6**

Syllabus: Fats, oils - Sources of oils - Production of refined vegetable oils - Preservation. Saturated and unsaturated fatty acids , Role of MUFA and PUFA in preventing heart diseases - iodine - value , RM value, saponification value and their significance.

Sl.no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO4	Fats, oils - Sources of oils - Production of refined vegetable oils - Preservation.	2	Lecture
2	CO4	Saturated and unsaturated fatty acids , Role of MUFA and PUFA in preventing heart diseases -	2	Lecture
3	CO4	iodine - value , RM value, saponification value and their significance.	2	Lecture

Name	University Reg No	Exam: 02/06/2022 (Tuesday)		
		1st hour 8:30-10:30 AM	2nd hour 10:30-11:30 AM	3rd hour 11:30-12:30 PM
ADITHYAN BABU	210021021829			
AJESH JACOB	210021021830			
ANNA ANTONY	210021021831			
ADWIN KATHACILAN	210021021832			
DEVESH SANTHOSH	210021021833			
EVIN YERSSAN	210021021834			
E. A. MOHAMMED NISAAH	210021021835			
GAEL K. KRISHNA P V	210021021836			
GANIKA KASHEEDHAN	210021021837			
RIYADHKA ROOSHITH P M	210021021838			
POVITHRA P S	210021021839			
SERIOUS PETER	210021021840			
ADITHYAN KALAI	210021021841			
AGRA KRESHTH	210021021842			
ALWIN SHIBU	210021021843			
ADITHYAN V KASHI	210021021844			
ANUSHEEQA	210021021845			
ADARSH BABU	210021021846			
ARVA C S	210021021847			
DEVIKANYAN R	210021021848			
FADIA FAROQUE M M	210021021849			
FATHIMA K A	210021021850			
FATHIMA P M	210021021851			
GANVATHIRI SHAH	210021021852			
DIYIKA R	210021021853			
JASODRA NARAIN C A	210021021854			
JENANITHA RAJESH	210021021855			
KRISHNAPRIYA M K	210021021856			
LEKHANA M	210021021857			
LIPSA SUNNY	210021021858			
MARIA VARGHESE	210021021859			
MEDHA RAJ	210021021860			
MURUGA EGGU SIBU	210021021861			
NANDINIJA TEJODITHYAN	210021021862			
NANDINIJA A K	210021021863			
NAVYA A S	210021021864			
NIKHIL K. VEDHANTH	210021021865			
NIKHIL K V	210021021866			
RAKSHITA DUTTA SETHI	210021021867			
RAVITHA M J	210021021868			
REKSHA P A	210021021869			



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SANDRA POLLOCK M.	210021021870			
SIBHANA M K	210021021871			
STEVHAN KUNENSE M	210021021872			
TESSA KUTILAKOSU	210021021873			
VNSHINDYAN S H	210021021874			
SHREESHYAM R	210021021875			
Exam: 1st				

Dr. Jerald Paul
Research Guide and Assistant Professor
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Union Christian College, Aluva

Ms. SIBU JOYS
Assistant Professor & Head
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Union Christian College
Aluva



Name	University Reg No.	Date: 20/07/2022 - Friday		
		Day		
		9.30-10.30 AM	10.30-11.30 AM	11.30-12.30 PM
ADITHYAN KISHU	210021025329	[Signature]	[Signature]	[Signature]
ALEX JACOB	210021025333	[Signature]	[Signature]	[Signature]
ANNA JOHNSON	210021025331	[Signature]	[Signature]	[Signature]
ANWAR KUSOONADAN	210021025335	[Signature]	[Signature]	[Signature]
DEEPA KAMATH	210021025337	[Signature]	[Signature]	[Signature]
DR. THIRU	210021025339	[Signature]	[Signature]	[Signature]
E.A. THEJASWEE BRADSHAW	210021025343	[Signature]	[Signature]	[Signature]
REBEKA KANISHA P V	210021025341	[Signature]	[Signature]	[Signature]
DEEPIKA KANISHA P V	210021025345	[Signature]	[Signature]	[Signature]
KHARDEEJA KOSHIKOTI P M	210021025347	[Signature]	[Signature]	[Signature]
PAVITHRA P S	210021025351	[Signature]	[Signature]	[Signature]
SEBASTIAN PETER	210021025349	[Signature]	[Signature]	[Signature]
ADITHYAN CAJO	210021025353	[Signature]	[Signature]	[Signature]
ANNA JOSEPH	210021025355	[Signature]	[Signature]	[Signature]
ALWIN JOSE	210021025357	[Signature]	[Signature]	[Signature]
ANNEKA V JOSE	210021025361	[Signature]	[Signature]	[Signature]
ANURAG C A	210021025359	[Signature]	[Signature]	[Signature]
ARAVIND KAMBI	210021025363	[Signature]	[Signature]	[Signature]
ARYA C S	210021025365	[Signature]	[Signature]	[Signature]
DEEPAKSHITHA G	210021025367	[Signature]	[Signature]	[Signature]
PARVA FAROOKI H M	210021025371	[Signature]	[Signature]	[Signature]
PATRIKA C A	210021025369	[Signature]	[Signature]	[Signature]
PATRIKA P M	210021025373	[Signature]	[Signature]	[Signature]
GA VYTHI DEVI	210021025375	[Signature]	[Signature]	[Signature]
REBEKA H	210021025379	[Signature]	[Signature]	[Signature]
SANDEEPA NARAYAN A	210021025381	[Signature]	[Signature]	[Signature]
DEVIKATHI RAJESH	210021025385	[Signature]	[Signature]	[Signature]
KRISHNANARAYAN M K	210021025383	[Signature]	[Signature]	[Signature]
LEKHANA M	210021025387	[Signature]	[Signature]	[Signature]
LINA SIBIN	210021025389	[Signature]	[Signature]	[Signature]
MARLA VARADACHARI	210021025393	[Signature]	[Signature]	[Signature]
MEENA RAMU	210021025391	[Signature]	[Signature]	[Signature]
MEHANA ROSE SEAR	210021025395	[Signature]	[Signature]	[Signature]
RAVINDRANA HARSHADHAR	210021025397	[Signature]	[Signature]	[Signature]
RANDEEPA A S	210021025401	[Signature]	[Signature]	[Signature]
RAVYA M	210021025403	[Signature]	[Signature]	[Signature]
REBEKA S THEJAS	210021025407	[Signature]	[Signature]	[Signature]
SHRINI K S	210021025405	[Signature]	[Signature]	[Signature]
KANISHA DEEPIKA C A	210021025409	[Signature]	[Signature]	[Signature]
REBEKA M P	210021025413	[Signature]	[Signature]	[Signature]
REBEKA M P	210021025415	[Signature]	[Signature]	[Signature]



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KANISHA DEEPIKA	210021025417	[Signature]	[Signature]	[Signature]
SHRINI M R	210021025421	[Signature]	[Signature]	[Signature]
SHRINI KANISHA M M	210021025423	[Signature]	[Signature]	[Signature]
REBEKA KANISHA P V	210021025427	[Signature]	[Signature]	[Signature]
VISHVA V N B	210021025429	[Signature]	[Signature]	[Signature]
REBEKA M P	210021025433	[Signature]	[Signature]	[Signature]

Dr. NEETHUSOL VARGHESE
Assistant Professor
Department of Chemistry
Union Christian College

Ms. MINU JOYS
Assistant Professor & Head
Department of Chemistry
Union Christian College
Aluva

Name	University Reg No	Date: 16/04/2023 (Wednesday)			
		Ist hour 9.30-10.30 AM	II hour 10.30-11.30 AM	III hour 11.30-12.30 PM	IV hour 1.30-2.30 PM
ADITHYAN BABU	210021025529	Present	Present	Present	Present
AJAY JAYARAJ	210021025530	Present	Present	Present	Present
ANUS ANANDH	210021025531	Present	Present	Present	Present
ARVIND KUNJACHANDRAN	210021025532	Present	Present	Present	Present
DEVICKA KANTHESH	210021025533	Present	Present	Present	Present
DON THOMAS	210021025534	Present	Present	Present	Present
E.A. MUHAMMAD	210021025535	Present	Present	Present	Present
MIHAAN	210021025536	Present	Present	Present	Present
GOKUL KRISHNA P V	210021025537	Present	Present	Present	Present
GOPKA SASEENDRAN	210021025538	Present	Present	Present	Present
KHADEEJA BOORISSE P M	210021025539	Present	Present	Present	Present
PANJITHA P S	210021025540	Present	Present	Present	Present
SERGEY PETER	210021025541	Present	Present	Present	Present
ADITHYAN KALU	210021025542	Present	Present	Present	Present
ADELA JOSEPH	210021025543	Present	Present	Present	Present
ALWYS MOHID	210021025544	Present	Present	Present	Present
ANASIA V KLAZI	210021025545	Present	Present	Present	Present
KRUSHN C A	210021025546	Present	Present	Present	Present
ARAVIND MOHID	210021025547	Present	Present	Present	Present
ARVY C S	210021025548	Present	Present	Present	Present
DEVYKRISHNA B	210021025549	Present	Present	Present	Present
PARISA FARUKHU M M	210021025550	Present	Present	Present	Present
PATHEENA C A	210021025551	Present	Present	Present	Present
PATHEENA P M	210021025552	Present	Present	Present	Present
GAAYA BHAKTHI	210021025553	Present	Present	Present	Present
RETHA K H	210021025554	Present	Present	Present	Present
JASEERA NABEEN C A	210021025555	Present	Present	Present	Present
JENGAJI HARISH	210021025556	Present	Present	Present	Present
KRISHNAPRIVA K K	210021025557	Present	Present	Present	Present
LEKSHANA M	210021025558	Present	Present	Present	Present
LIVIA SURRY	210021025559	Present	Present	Present	Present
NIKITA VARGHESE	210021025560	Present	Present	Present	Present
MEGHNA HARU	210021025561	Present	Present	Present	Present
NIKHITA ROSE MARI	210021025562	Present	Present	Present	Present
NANDANA	210021025563	Present	Present	Present	Present
NANDANILAN	210021025564	Present	Present	Present	Present
NANDANANA S S	210021025565	Present	Present	Present	Present
NAVYA M	210021025566	Present	Present	Present	Present
NIKHIL C CHEERAN	210021025567	Present	Present	Present	Present
NIKHIL K S	210021025568	Present	Present	Present	Present
NIKHITA SREETHYAN C A	210021025569	Present	Present	Present	Present
RAJESHNA M V	210021025570	Present	Present	Present	Present



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RIJAZA PARVEEN A	210021025569	Present	Present	Present	Present
SANDRA PULICKAL	210021025570	Present	Present	Present	Present
SHIFANA M R	210021025571	Present	Present	Present	Present
SIBYAN KHAN M M	210021025572	Present	Present	Present	Present
TEJKA KUNHAKONE	210021025573	Present	Present	Present	Present
VISHVA V M H	210021025574	Present	Present	Present	Present
VEENITH K	210021025575	Present	Present	Present	Present

Dr. NEETHUMOL VARGHESE
 Assistant Professor
 Department of Chemistry
 Union Christian College
 Aluva - 683102

Dr. Ajalesh, M.Sc., Ph.D.
 Assistant Professor & Research Guide
 Department of Chemistry
 Union Christian College
 Aluva, Pin: 683 102

Ms. MINU JOYS
 Assistant Professor & Head
 Department of Chemistry
 Union Christian College
 Aluva

Name	University Reg.No	Date: 10/02/2021 (Wednesday)		
		10:00 AM	11:00 AM	12:00 PM
ADITHYAN KARE	210021025529			
ADITHYAN KARE	210021025530			
ADITHYAN KARE	210021025531			
ADITHYAN KARE	210021025532			
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ADITHYAN KARE	210021025598			
ADITHYAN KARE	210021025599			
ADITHYAN KARE	210021025600			

Dr. NEETHUMOL VARGHESE
 Assistant Professor
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 Aluva - 683102
 Assistant Professor & Research Guide
 Department of Chemistry
 Union Christian College
 Aluva, Pin 683 102

Mr. MANU JOYS
 Assistant Professor & Head
 Department of Chemistry
 Union Christian College
 Aluva

Name	University Reg No	Date: 17/04/2021 (Monday)			
		I st hour	II nd hour	III rd hour	IV th hour
		9.30-10.30 AM	10.30-11.30 AM	11.30-12.30 PM	1.30-2.30 PM
ARITHA BABI	210021025529				
ARUN DAVID	210021025530				
ANSA ANTONY	210021025531				
AASWIN K. SUGAKSHAN	210021025532				
DIVYKA SANKRISHN	210021025533				
DOON THIRUKAS	210021025534				
E. A. M. HANMUR	210021025535				
SIMRAN					
GOLE C. DEVIKKA P V	210021025536				
GOPINA SAMPRIKSHAN	210021025537				
KIRANDEJA BOGHOSH P M	210021025538				
PAVITHRA P S	210021025539				
SERGINE PETER	210021025540				
ADITHYAN LALU	210021025541				
ADIRA ROSEBERRY	210021025542				
JALWIN SHIBU	210021025543				
JANANA V. NASHI	210021025544				
ANUSUD C A	210021025545				
AKAVIND BABU	210021025546				
ARVA C C	210021025547				
DEVKRISHNA B	210021025548				
FAHSA PARSOQU M M	210021025549				
FATHIMA C A	210021025550				
FATHIMA P M	210021025551				
GAYATHRI SHAI	210021025552				
HEERA K H	210021025553				
JANIRKA NASHIN C A	210021025554				
JENNYFER RASHLEEN	210021025555				
KRISHNABRIVA M R	210021025556				
LEITHANA M	210021025557				
LIVA SONNY	210021025558				
MARIA VARDHINI	210021025559				
NEZHICA BABU	210021025560				
SHREYAS RONI NABU	210021025561				
RAHMANA					
ROBIN JEREMY					
RANJITHA A S	210021025562				
RAVYA M	210021025563				
SRIJITH R. CHELIAN	210021025564				
SIBHA R S	210021025565				
RAMIYA BRENDA C A	210021025566				
RAJESHA M S					



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RIJAZA PARVEEN A	210021025569				
SANDRA PULICKAL	210021025570				
SIBHANA M R	210021025571				
SIVYAS KHAN M M	210021025572				
TEENA KURIKOSHI	210021025573				
VYSRINAVY N B	210021025574				
SREENITH K	210021025575				

Cont: 147

Dr. Jinish Paul
Research Guide and Assistant Professor
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Union Christian College, Aluva

Ms. MINU JOYS
Assistant Professor & Head
Department of Chemistry
Union Christian College
Aluva

Nama	University RegNo	Exam (20040013 Wednesday)		
		Ist Exam	II Exam	III Exam
		9.30-10.30 AM	10.30-11.30 AM	11.30-12.30 PM
ANITHYA BABU	210021023129	[Signature]	[Signature]	[Signature]
ANISHA JACOB	210021023130	[Signature]	[Signature]	[Signature]
ANISA ANSARIY	210021023131	[Signature]	[Signature]	[Signature]
ANWIN KONTACARAN	210021023132	[Signature]	[Signature]	[Signature]
ARVIA SANTHOSH	210021023133	[Signature]	[Signature]	[Signature]
ASHI THIRUMAN	210021023134	[Signature]	[Signature]	[Signature]
E. A. MUHAMMAD SHAAN	210021023135	[Signature]	[Signature]	[Signature]
GORUL KRISHNA P V	210021023136	[Signature]	[Signature]	[Signature]
GEORGA SUBBENDRAN	210021023137	[Signature]	[Signature]	[Signature]
KHARUNIA BOODHINI PM	210021023138	[Signature]	[Signature]	[Signature]
JAYATHRA P S	210021023139	[Signature]	[Signature]	[Signature]
SORUNI PETER	210021023140	[Signature]	[Signature]	[Signature]
ADITHYA LALU	210021023141	[Signature]	[Signature]	[Signature]
ADIRA JOSEPH	210021023142	[Signature]	[Signature]	[Signature]
ALWATI THIBU	210021023143	[Signature]	[Signature]	[Signature]
ANJANA V MANI	210021023144	[Signature]	[Signature]	[Signature]
ANURAG C A	210021023145	[Signature]	[Signature]	[Signature]
ABRAVIND BABU	210021023146	[Signature]	[Signature]	[Signature]
ARVA C E	210021023147	[Signature]	[Signature]	[Signature]
DEVIKRISHNA B	210021023148	[Signature]	[Signature]	[Signature]
PADMA PAROMATHI M	210021023149	[Signature]	[Signature]	[Signature]
PADHMA C A	210021023150	[Signature]	[Signature]	[Signature]
PADHMA P R	210021023151	[Signature]	[Signature]	[Signature]
GAYATHIREDRAR	210021023152	[Signature]	[Signature]	[Signature]
SHIHA S M	210021023153	[Signature]	[Signature]	[Signature]
JANAKA SAMRITHA A	210021023154	[Signature]	[Signature]	[Signature]
JESANATH HARISH	210021023155	[Signature]	[Signature]	[Signature]
TRISHANAPRIYA R R	210021023156	[Signature]	[Signature]	[Signature]
LEKSHANA M	210021023157	[Signature]	[Signature]	[Signature]
LIVA KISHAY	210021023158	[Signature]	[Signature]	[Signature]
MARIA VARDHESI	210021023159	[Signature]	[Signature]	[Signature]
MEDIA BABU	210021023160	[Signature]	[Signature]	[Signature]
MEETHA RUPY KANU	210021023161	[Signature]	[Signature]	[Signature]
MANJUNYA VARADHARAN	210021023162	[Signature]	[Signature]	[Signature]
MANJUNYA S	210021023163	[Signature]	[Signature]	[Signature]
NAVYAM	210021023164	[Signature]	[Signature]	[Signature]
HEITHI CHRIDAN	210021023165	[Signature]	[Signature]	[Signature]
ANJANA K S	210021023166	[Signature]	[Signature]	[Signature]
RAMAYYA BELEGANI A	210021023167	[Signature]	[Signature]	[Signature]
RAJESHA M Z	210021023168	[Signature]	[Signature]	[Signature]
REKHA PARVATHI	210021023169	[Signature]	[Signature]	[Signature]



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SANDRA PULIKKAL	210021023170	[Signature]	[Signature]	[Signature]
SHIFANA M R	210021023171	[Signature]	[Signature]	[Signature]
SAYRAS KHAN M M	210021023172	[Signature]	[Signature]	[Signature]
TEENA KURIAKOSI	210021023173	[Signature]	[Signature]	[Signature]
VISHNAVY R D	210021023174	[Signature]	[Signature]	[Signature]
SRINATH R	210021023175	[Signature]	[Signature]	[Signature]

Dr. Ajitha A. Nair, M.Sc, Ph.D
 Assistant Professor & Research Guide
 Department of Chemistry
 Union Christian College
 Aluva, Pin: 683 102

Ms. MINU JOYS
 Assistant Professor & Head
 Department of Chemistry
 Union Christian College
 Aluva

Name	University Reg No	Date: 18/04/2023 (Monday)		
		Ist hour	II hour	III hour
		9.30-10.30 AM	10.30-11.30 AM	11.30-12.30 PM
ADITHYAN BABU	210021025029			
ALBERT GUNO	210021025030			
ANNA ANTONY	210021025031			
ANWIL KUNIMANIAN	210021025032			
DEVILA SANNYASIN	210021025033			
DDH THOMAS	210021025034			
E. A. MOHAMMED SHAM	210021025035			
GOPIK. KRISHNA P V	210021025036			
GOPPIA SASECHIDRAN	210021025037			
KHARIELA KIDOSHIN P M	210021025038			
PAVITHRA P S	210021025039			
SEROFI PETER	210021025040			
ADITHYAN LALU	210021025041			
ARIFA JOSEPH	210021025042			
ALWIN SHIBU	210021025043			
ASHANA V MOSE	210021025044			
ANUSHEE C A	210021025045			
ARAVIND BABU	210021025046			
ARYA C S	210021025047			
DEVAKRISHNA B	210021025048			
PARJA FARHAQU M M	210021025049			
PATRIKA C A	210021025050			
PATRIKA P M	210021025051			
GAVATHIL SUDAN	210021025052			
RETHA K D	210021025053			
ANISHA NARSHIN C A	210021025054			
DEENATH BASHIRAM	210021025055			
KRISHNAPRIYA MEK	210021025056			
LEKSHMI M	210021025057			
LIVA SUDAN	210021025058			
MARIA VARESESE	210021025059			
MEDIA BABU	210021025060			
ARSHANA ROSE RAJU	210021025061			
MANJANA HARINITHAN	210021025062			
MANJANA A S	210021025063			
RAVYA M	210021025064			
RIKHI K. FERDINAN	210021025065			
RIKHI K S	210021025066			
RASHMYA BEJUREMCA	210021025067			
RAJESHA R J	210021025068			
RISHITHA I	210021025069			



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MANJULA PUJERAL	210021025070			
SHYAMA M K	210021025071			
SHYVA SUDAN M M	210021025072			
TEENA KUREGODE	210021025073			
VYDHAN V N B	210021025074			
SREESHAN K	210021025075			

Dr. Ajaleesh M Nair, M.Sc, Ph.D
Assistant Professor & Research Guide
Department of Chemistry
Union Christian College
Aluva, Pin: 683 302

Ms. MINU JOYS
Assistant Professor & Head
Department of Chemistry
Union Christian College
Aluva



UNION CHRISTIAN COLLEGE

(Affiliated to Mahatma Gandhi University, Kottayam)

Reaccredited (4th Cycle) with A Grade in By NAAC

Website: www.uccollcoze.edu.in Email: ucc@uccollcoze.edu.in

Post Box No. 5

Aluva - 682502

Kerala, India

☎ 0484-2994033,

2600194, 3606711

List of students enrolled in the Course: Rubber product manufacturing and testing

Name	University RegNo
ADITHYA BABU	210021025529
ALEN JACOB	210021025530
ANSA ANTONY	210021025531
ASWIN KUNJACHAN	210021025532
DEVIKA SASITHRISHI	210021025533
DON THOMAS	210021025534
E A MUSAMMED IZHAAN	210021025535
GOKUL KRISHNA P V	210021025536
GOPIKA SASEENDRAN	210021025537
KHADEEJA KIKKSHIN PM	210021025538
PAVITHRA P S	210021025539
SERONE PETER	210021025540
ADITHYA LALU	210021025541
ARMA JOSEPH	210021025542
ALWIN SHIBU	210021025543
ANJANA V MANI	210021025544
ANUMOD C A	210021025545
ARAVIND BABU	210021025546
ARVA C S	210021025547
DEVIKRISHNA B	210021025548
FAHZA FARDOQU M M	210021025549
FATHIMA C A	210021025550
FATHIMA P H	210021025551
GIYA IHRI SHAH	210021025552
HITHAK H	210021025553
JASJERA NASKRIN C A	210021025554
HENNATHI KHEEJISI	210021025555
KESHITHAPRIYA H K	210021025556
LEKHANA M	210021025557
LIVYA SUNNY	210021025558
MARIA VARGHESE	210021025559
MEGHHA BAREE	210021025560
MISQINA ROSE MAJU	210021025561
NANDANA HARIBHARAN	210021025562
NANDHANA A S	210021025563



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NAME	University Reg.No	Date: 08/05/2023 (Friday)			
		Ist hour	II hour	III hour	IV hour
		9.30-10.30 Am	10.30-11.30 AM	11.30-12.30	1.30-2.30 PM
ADITHYAN BABU	210021025529	Present	Present	Present	Present
AJESH JACOB	210021025530	Present	Present	Present	Present
ANSA ANTHONY	210021025531	Present	Present	Present	Present
ANWIN KUNJATHAN	210021025532	Present	Present	Present	Present
DEVILKA SAMITHRISHI	210021025533	Present	Present	Present	Present
DEVI THOMAS	210021025534	Present	Present	Present	Present
E. A. MOHAMMED SHAMAM	210021025535	Present	Present	Present	Present
DEEJEE KRISHNA PV	210021025536	Present	Present	Present	Present
GOPIKA SASTHIDORAN	210021025537	Present	Present	Present	Present
KHADRIFA KOSHIKUNY M	210021025538	Present	Present	Present	Present
PAVITHRA P S	210021025539	Present	Present	Present	Present
SERONE PETER	210021025540	Present	Present	Present	Present
ADITHYAN LALU	210021025541	Present	Present	Present	Present
AJITHA ANJITHI	210021025542	Present	Present	Present	Present
ALWIN SHIBU	210021025543	Present	Present	Present	Present
ANJANA V MANI	210021025544	Present	Present	Present	Present
ANDRUS CA	210021025545	Present	Present	Present	Present
ARAVIND BABU	210021025546	Present	Present	Present	Present
ABYA C S	210021025547	Present	Present	Present	Present
DEVIKRISHNA B	210021025548	Present	Present	Present	Present
FALGA FAROUQ M M	210021025549	Present	Present	Present	Present
FATHIMA C A	210021025550	Present	Present	Present	Present
FATHIMA P M	210021025551	Present	Present	Present	Present
DEVYATHI SHAI	210021025552	Present	Present	Present	Present
HITHA K H	210021025553	Present	Present	Present	Present
JANIRA NASHIN C A	210021025554	Present	Present	Present	Present
JENNY TH KATHIRI	210021025555	Present	Present	Present	Present
KRISHNAGHRIYA M K	210021025556	Present	Present	Present	Present
LEKSHANA M	210021025557	Present	Present	Present	Present
LIVA SUNNY	210021025558	Present	Present	Present	Present
MARIA VARGHESE	210021025559	Present	Present	Present	Present
MITHA HADI	210021025560	Present	Present	Present	Present
MUSHEENA ROSA NAJU	210021025561	Present	Present	Present	Present
NANDANA HARIS DEBAN	210021025562	Present	Present	Present	Present
NANDANNA A S	210021025563	Present	Present	Present	Present
NAVYA M	210021025564	Present	Present	Present	Present
SHRITHI CHIRIAN	210021025565	Present	Present	Present	Present
SHIBAL K S	210021025566	Present	Present	Present	Present
RAJSHYA DEVI	210021025567	Present	Present	Present	Present
KAZHIAN	210021025568	Present	Present	Present	Present



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RUPAIA PARVEEN A	210021025569	Present	Present	Present	Present
SANDRA PULJERAL	210021025570	Present	Present	Present	Present
SHIFANA M B	210021025571	Present	Present	Present	Present
SHYBA KHAN M M	210021025572	Present	Present	Present	Present
TEJMA SARIARUDE	210021025573	Present	Present	Present	Present
VYSSENAVY N B	210021025574	Present	Present	Present	Present
SRINETHIK	210021025575	Present	Present	Present	Present

Dr. Jeevan Poul
Research Guide and Asst. Prof
Department of Chem
Union Christian College, Aluva

Mr. MANU JOYS
Assistant Professor & Head
Department of Chemistry
Union Christian College
Aluva





UNION CHRISTIAN COLLEGE
ALUVA

NO:

CERTIFICATE

This certificate is awarded for successfully completing the 32 hour
value added course , **Food Chemistry** Conducted by Chemistry
Department with ----- for the the year 2022-223

SIGNATURE
Head of Department

SIGNATURE
Principal

Value added course in
Chemistry -2022-23

FOOD CHEMISTRY

Enroll now

Contact: Dr. Jenish Paul
Mob: 9496462165



Course outcome

- To understand the chemistry of food adulteration and adulterants and understand the methods of analyzing the adulterants
- To acquire knowledge about food additives
- To understand the chemistry of beverages and soft drinks
- To acquire knowledge about various edible oils and the processing techniques related to oils

Unit 1 Food Adulteration

Sources of food, types, advantages and disadvantages.

Food adulteration - contamination of wheat, rice, mlk, butter etc. with clay stones, water and toxic chemicals -

Common adulterants. Ghee adulterants and their detection. Detection of adulterated Foods by simple analytical techniques. **(12 Hrs)**

Unit 2: Food Additives:

Food additives - artificial sweeteners - Saccharin - Cyclamate and aspartate. Food flavours - esters, aldehydes and heterocyclic compounds. Food colours - restricted use - spurious colours - Emulsifying agents - preservatives, leavening agents. Baking powder yeast - taste makers - MSG, vinegar. **(8 Hrs)**

Unit 3 Beverages:

Beverages - Soft drinks - soda - fruit juices - alcoholic beverages examples. Carbonation - addiction to alcohol - cirrhosis of liver and social problems. **(6 Hrs)**

Unit 4 Edible Oils

Fats, oils - Sources of oils - Production of refined vegetable oils - Preservation. Saturated and unsaturated fatty acids, Role of MUFA and PUFA in preventing heart diseases - iodine - value, RM value, saponification value and their significance. **(6 Hrs)**

Participant List 2022-23

210011010763	ANAGHA SUNNY
210011010764	ANAMIKA P M
210011010765	APARNA S
210011010766	ARJUN SURESH
210011010767	GAYATHRY K NAIR
210011010768	JOVAN WARSON
210011010769	MARY ANAGHA DAS P J
210011010770	NADEEMA C JAMAL
210011010771	RAFINA ABDUL KHADER
210011010772	RINI SIMON
210011010773	RONY PAILY
210011010774	SUVARNA VARGHESE



**COURSE 29: ENVIRONMENT: CONCEPTS AND
CONSERVATION**

COURSE 30: BIOLOGY OF THE CRYOSPHERE

UNION CHRISTIAN COLLEGE

DEPARTMENT OF ZOOLOGY

(Criteria 1.2.1. & 1.2.2.)

VALUE ADDED COURSES



RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102



Union Christian College, Aluva
Department of Zoology

Notice

The Department of Zoology is starting value added courses on

1. Biology of the Cryosphere
2. Environment: Concepts and Conservation

It will be a 35 hours course including a series of lectures, invited talks, field visits and student activities

Students from the departments are requested to enroll themselves in the course and participate actively.

Registration forms are available from the department



Head of Department

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102



Proposal
of
Value Added Course
on
Environment: Concepts and Conservation
for
BSc Zoology students
offered by
Department of Zoology



Environment: Concepts and Conservation

Aim:

The value-added course “Environment: Concepts and Conservation” offered by the Department of Zoology was designed to provide students with basic knowledge and awareness about various environmental issues like climate change, biodiversity loss, pollution and resource depletion. The course emphasizes on sustainable practices like waste reduction, energy efficiency, green technology and responsible utilization of resources to reduce the environmental footprint. The course will help to build an active and environmentally conscious student community.

Objectives:

Understand the concept of environment and its components

- Evaluate the level of biodiversity loss and conservation strategies adopted
- Analyze the causes and consequences of environmental degradation, resource depletion and climate change
- Understand the need for new technologies and policies to attain the goal of sustainable development



Course Content

Module 1

7

hours

Concepts and components of environment

The physical environment; lithosphere, hydrosphere and atmosphere. Ecosystems, energy flow and biogeochemical cycles.

Module 2

14

hours

Biodiversity

Biodiversity values and functions, hotspots, biodiversity loss, red data book, strategies for the conservation of biodiversity, biosphere reserves, national parks and wildlife sanctuaries, Burning issues, man-animal conflict, designation of eco-sensitive zones

Module 3

8

hours

Environmental issues and challenges

Introduction to environmental pollution. Causes and consequences of air, water and soil pollution. Solid waste management, e- waste and hazardous waste disposal. Climate change: Causes and consequences.

Module 4

Sustainable development
hours

6

Globalization and sustainable development, policy initiatives for sustainable development, EIA, Ecological foot printing, green energy and carbon neutrality.

Duration: 35 Hours

Eligibility: BSc II Year Zoology students

Batch Size: 28 students

Class Timings: Saturdays and weekdays after 3.30pm as fixed by teachers

Course coordinator: Dr. Nila Devi K N

Faculty Members: Dr. Nila Devi K N
Dr. Elizabeth V Mathew
Dr. Revathy V S



Head of Department

Ms. Rima Joseph

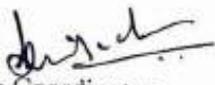
Department of Zoology

Value added course

Environment: Concepts and Conservation

Workload Distribution

Sl.No.	Name of Faculty	Theory/ field visits/ activities
1.	Dr. Nila Devi K N	8
2.	Dr. Elizabeth V Mathew	6
3.	Dr. Revathy V S	5
4.	Invited Lectures	6
5.	Field visits & student activities	10


Course Coordinator
Dr. Nila Devi K N.

Punnoose



Head of the Department
Ms. Rima Joseph

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102

Principal
Dr. M.I.



Union Christian College, Aluva

Department of Zoology

Value Added Course

Environment: Concepts and Conservation

Application Form

Name of Student

Class

Roll Number

Email Address

Mobile Number

Address for
Communication

Course Name

Signature





POST GRADUATE AND RESEARCH DEPARTMENT OF ZOOLOGY
UNION CHRISTIAN COLLEGE, ALUVA

Value Added Course
on

“Environment : Concepts & Conservation”



Concept of environment and its
components



Causes & consequences of
environmental degradation



Climate Change



Sustainable Development &
Green Technologies



Launching soon!!!!

For Details Contact:

Department of Zoology, Union Christian College,
Aluva, Kerala - 683102

☎ 0484 2609194

✉ zoology@ucccollege.edu.in; zoologyucc@gmail.com

🏠 zoology.ucccollege.edu.in



Value Added Course

Environment: Concepts and Conservation

Students list

Sl. No.	Roll No.	Name of candidate
1	C 414	ABEL VARGHESE SHIBU
2	C 415	ABHIJITH A
3	C 416	ABHINAV T A
4	C 417	ADHIYA RAJESH V
5	C 418	ADITHYA P B
6	C 419	APARNA T M
7	C 420	ASHNA JALAL
8	C 421	BISHUAL SABU
9	C 422	DIYA K R
10	C 423	HADIYA K K
11	C 424	HISANA THASNEEM
12	C 425	JOSHUA K JOHNY
13	C 426	MALAVIKA P H

14	C 427	MEERA JASIRA E A
15	C 428	MEHBIN FATHWIMA K A
16	C 429	MERILDA MERJOE CARMEL
17	C 430	MIRZAN FAYAZ AHAMMED
18	C 431	MIZREENA HAZEEN A
19	C 432	NAVIN JAISON
20	C 433	NAYEEMA ANSARI
21	C 434	NEHA MATHEWS
22	C 435	RASHA SHAHUL K
23	C 436	ROHITHA S
24	C 437	SARJAS NOUFIYA P
25	C 438	SHAHINA T S
26	C 439	SISIRA SASI
27	C 440	SREELAKSHMI RAJAN
28	C 441	SWATHY S


Course Coordinator
Dr Nita Devi K.V.



Head of the Department

Ms. Rima Joseph

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102

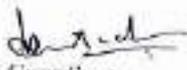


Value Added Course

Environment: Concepts and Conservation

Attendance sheet

Sl. No	Name of Candidate	12/2/22	14/2/22	20/2/22	23/2/22	25/2/22	1/3/22	6/3/22	21/3/22
1. C414	ABEL VARGHESE SHIBU	a	a	a	a	a	a	a	a
2. C415	ABHIRUTH A	a	a	a	a	a	a	a	a
3. C416	ABHINAV T A	a	a	a	a	a	a	a	a
4. C417	ADHIYA KAJESH V	a	a	a	a	a	a	a	a
5. C418	ADITHYA P B	a	a	a	a	a	a	a	a
6. C419	APAIRNA T M	a	a	a	a	a	a	a	a
7. C420	ASHNA JALAL	a	a	a	a	a	a	a	a
8. C421	BISUAL SABU	a	a	a	a	a	a	a	a
9. C422	DIYA K R	a	a	a	a	a	a	a	a
10. C423	HADIYA K K	a	a	a	a	a	a	a	a
11. C424	HISANA THASNEEM	a	a	a	a	a	a	a	a
12. C425	JOSHUA K JOHNY	a	a	a	a	a	a	a	a
13. C426	MALAVIKA P H	a	a	a	a	a	a	a	a
14. C427	MERA JASIRA E A	a	a	a	a	a	a	a	a
15. C428	MEHIN PATHWIMA K A	a	a	a	a	a	a	a	a
16. C429	MERILDA MERJOU CARMEL	a	a	a	a	a	a	a	a
17. C430	MIRZAN FAYAZ AHAMMED	a	a	a	a	a	a	a	a
18. C431	MIZREENA HAZEN A	a	a	a	a	a	a	a	a
19. C432	NAVIN JAISON	a	a	a	a	a	a	a	a
20. C433	NAVYEMA ANSARI	a	a	a	a	a	a	a	a
21. C434	NEHA MATHEWS	a	a	a	a	a	a	a	a
22. C435	RASHA SHAHUL K	a	a	a	a	a	a	a	a
23. C436	ROHITHA S	a	a	a	a	a	a	a	a
24. C437	SARJAS NOLUPPIYA P	a	a	a	a	a	a	a	a
25. C438	SHAHINA F S	a	a	a	a	a	a	a	a
26. C439	SISIRA SASI	a	a	a	a	a	a	a	a
27. C440	SURELAKSHMI RAJAN	a	a	a	a	a	a	a	a
28. C441	SWATHY S	a	a	a	a	a	a	a	a


 Course Coordinator
 Dr. Nila Devi K V


 Head of the Department



Value Added Course
Environment: Concepts and Conservation

Attendance sheet

Sl No	Name of Candidate	23/3/22	24/3/22	29/3/22	30/3/22	31/3/22	10/4/22	12/4/22	14/4/22	15/4/22
1	C414 ABEL VARGHESE SHIBU	a	a	a	a	a	a	a	a	a
2	C415 ABIRITHA	a	a	a	a	a	a	a	a	a
3	C416 ABHINAV T A	a	a	a	a	a	a	a	a	a
4	C417 ADHIYA RAJESH V	a	a	a	a	a	a	a	a	a
5	C418 ADITHYA P B	a	a	a	a	a	a	a	a	a
6	C419 APARNA T M	a	a	a	a	a	a	a	a	a
7	C420 ASHINA JALAL	a	a	a	a	a	a	a	a	a
8	C421 BISHUAL SABU	a	a	a	a	a	a	a	a	a
9	C422 DIYA K R	a	a	a	a	a	a	a	a	a
10	C423 HADIYA K K	a	a	a	a	a	a	a	a	a
11	C424 HISANA THASNEEM	a	a	a	a	a	a	a	a	a
12	C425 JOSHUA K JOHNY	a	a	a	a	a	a	a	a	a
13	C426 MALAVIKA P H	a	a	a	a	a	a	a	a	a
14	C427 MEERA JASIRA E A	a	a	a	a	a	a	a	a	a
15	C428 MEHIN FATHWIMA K A	a	a	a	a	a	a	a	a	a
16	C429 MERILDA MERJCE CARMEL	a	a	a	a	a	a	a	a	a
17	C430 MERZAN PAYAZ AHAMMED	a	a	a	a	a	a	a	a	a
18	C431 MIZREENA HAZEEN A	a	a	a	a	a	a	a	a	a
19	C432 NAVIN JAISON	a	a	a	a	a	a	a	a	a
20	C433 NAYEEMA ANSARI	a	a	a	a	a	a	a	a	a
21	C434 NEHA MATHEWS	a	a	a	a	a	a	a	a	a
22	C435 RASHA SHAHUL K	a	a	a	a	a	a	a	a	a
23	C436 ROHITHA S	a	a	a	a	a	a	a	a	a
24	C437 SARJAS NOUFIYA P	a	a	a	a	a	a	a	a	a
25	C438 SHAHINA T S	a	a	a	a	a	a	a	a	a
26	C439 SISIRA SASI	a	a	a	a	a	a	a	a	a
27	C440 SREELAKSHMI RAJAN	a	a	a	a	a	a	a	a	a
28	C441 SWATHY S	a	a	a	a	a	a	a	a	a

[Signature]
Course Coordinator
Dr. Nita Devi K.N.

[Signature]
Head of the Department



UNION CHRISTIAN COLLEGE

DEPARTMENT OF ZOOLOGY

(Criteria 1.2.1. & 1.2.2.)

VALUE ADDED COURSES



A handwritten signature in black ink, appearing to be "R. Joseph".

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102

Union Christian College, Aluva
Department of Zoology

Notice

The Department of Zoology is starting value added courses on

3. Biology of the Cryosphere
4. Environment: Concepts and Conservation

It will be 30-35 hours courses including a series of lectures, invited talks, field visits and student activities

Students from the departments are requested to enroll themselves in the course and participate actively.

Registration forms are available from the department



Head of Department

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102

Proposal

of

Value Added Course

on

Biology of the Cryosphere

for

BSc Zoology students

Offered by

Department of Zoology



Aim:

This value added course offered by Department of Zoology gives an opportunity for students to understand the importance of studying Cryosphere. The cryosphere comprises sea ice, glaciers, snow, and other frozen environments. Changing rapidly in the face of global climate change, these environments host unique and highly adapted ecosystems that play an important role in the global Earth system. In this course, we will explore the different cryospheric habitats in both Arctic and Antarctica such as sea ice, glacier, snow, permafrost and fjords, and the physiology and ecology of organisms in the cryosphere habitats along with understanding their teleconnections with Tropical climate.

Objective:

- Understanding the Cryosphere and its relevance in a warming scenario
- Appreciating the Polar biota and their survival mechanisms
- Interpreting how the changing climate may influence the biology of the cryosphere
- Analyzing the human impacts in Polar regions and the threats imposed on ecosystem and biota
- Importance of Polar ecosystem dynamics on tropical climate
- Appreciating the scope of Polar studies, and the role of Indian research in the Polar realm to address the sustainability and vulnerability issues

Many of the classes for this value-added course are given by eminent Polar scientists working in different areas of Polar science (both online and offline mode). This gives a better understanding to the students about the different research activities and opportunities in Arctic and Antarctica and the role of India in Polar Science.



Course Content

Module 1

6

hours

Introduction to the Polar regions

Introduction to Arctic and Antarctica-climate change-significance

Stress, adaptation, and survival in Polar regions-Life at low temperature-effect of radiation and dessication

Module 2

6

hours

Habitats in Polar regions

Terrestrial habitats- Glacial habitats-permafrost-fjords-open ocean-frozen ocean

Module 3

8

hours

Polar Biota

Introduction- Physiological ecology of polar phytoplankton-zooplankton-fishes-
Benthos- Birds and Mammals in Polar regions-seabirds-seals-whales-Bears and foxes

Module 4

Polar Microbiology

5

hours

Introduction-Microbial Extremophiles in Polar Environments- Cold Adaptations -
Functions of microbes in different polar habitats-methods to study the microbes-
Microbial Bioremediation in Polar Environments

Module 5

Human impacts in Arctic and Antarctica (8 hrs)

5

hours

Introduction-anthropogenic invasions and impacts-contaminants and pollution status-
global significance-conservation measures

Polar warming and teleconnection with tropical systems-special emphasis on Monsoon
India in Arctic and Antarctica- An introduction to expeditions and research activities



Duration: 30 Hours

Eligibility: BSc 1st Year Zoology students

Batch Size: 23 students

Class Timings: Weekdays after 3.30pm as fixed by Teachers

Course coordinator: Dr. Femi Anna Thomas

Faculty Members: Dr. Femi Anna Thomas
Ms. Rima Joseph

Department



Head of

Ms. Rima Joseph

Dept. of Zoology



RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102



Department of Zoology

Workload Distribution

Sl.No.	Name of Faculty	Theory
1	Dr. Femi Anna Thomas	5 hrs
2	Ms. Rima Joseph	5 hrs
3.	Invited Lectures	20 hrs

Course Coordinator
Dr. Femi Anna Thomas

Head of the Department
Ms. Rima Joseph
Dr.M.I.Punnoose

Principal

RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102



Union Christian College, Aluva

Department of Zoology

Value Added Course

Biology of the Cryosphere

Application Form

Name of Student

Class

Roll Number

Email Address

Mobile Number

Address for Communication

Course Name

Signature



Value Added Course: Biology of the Cryosphere

Students Enrollment list

Sl. No.	Roll No.	Name of candidate
1	A 434	ADNAN U N
2	A 435	ANJALY A S
3	A 436	ANON JOSEPH
4	A 437	ARCHANA V S
5	A 438	ARDRA S
6	A 439	BINAS BABU G
7	A 441	FATHIMA FARZEEN K S
8	A 442	GOPIKA SREEKANTH
9	A 443	GOURI N K
10	A 444	HARITHA G
11	A 445	KRISHNENDU SURESH
12	A 447	NIYA MARY JOSE
13	A 449	VYSHNAV BABU T S
14	A 451	AFNAN FATHIN MANOJ
15	A 452	ALEENA P THOMAS
16	A 453	AMMU C V

17	A 454	ANJANA K SHENOY
18	A 456	ANNMARIYA FRANCIS
19	A 457	DIVYA SANNU
20	A 458	MEGHA SUDARSAN
21	A 461	SHAHANA K J
22	A 462	SNEHA S
23	A 462 a	SREELAKSHMI S



Course Coordinator

Dr. Femi Anna Thomas



POST GRADUATE AND RESEARCH DEPARTMENT OF ZOOLOGY
UNION CHRISTIAN COLLEGE, ALUVA

Value Added Course
on

“Biology of the Cryosphere”



- Understanding the Cryosphere & its relevance in a warming scenario
- Appreciating the Polar biota & their survival mechanisms
- How the changing climate influence the Polar species
- Human impacts in Polar regions and the associated threats
- Polar warming and impact on tropical climate
- India in Arctic and Antarctica & Scope of Polar studies

*Its all about Arctic and Antarctica,
Penguins and Polar bears,
Microbes and Planktons,
Scope of Research & Expeditions,
Warming and Teleconnections*

*Launching on 21 Feb 2023
3.30 pm-4.30pm, TB Ninan Hall*

*Special Talk by Renowned Polar Scientist
Dr. Ravidas K Naik, Scientist,
National Centre for Polar and ocean Research,
Goa, India*

For Details Contact:
Department of Zoology, Union Christian College,
Aluva, Kerala - 683102
☎ 0484 2609194
✉ zoology@ucccollege.edu.in; zoologyucc@gmail.com
🌐 zoology.ucccollege.edu.in



Value Added Course (2022-2023)
BIOLOGY OF THE CRYOSPHERE

Sl. No.	Roll No.	Name of candidate	WI 02/23	IA 02/23	IR 02/23	OE 02/23	OS 02/23	EF 02/23	IO 02/23	IS 02/23
			1	2	3	4	5	6	7	8
1	A 434	ADNAN U N	a	a	a	a	a	a	a	a
2	A 435	ANJALY A S	a	a	a	a	a	a	a	a
3	A 436	ANON JOSEPH	a	a	a	a	a	a	a	a
4	A 437	ARCHANA V S	a	a	a	a	a	a	a	a
5	A 438	ARDRA S	a	a	a	a	a	a	a	a
6	A 439	BINAS BABU G	a	a	a	a	a	a	a	a
7	A 441	FATHIMA FARZEEN K S	a	a	a	a	a	a	a	a
8	A 442	GOPIKA SREEKANTH	a	a	a	a	a	a	a	a
9	A 443	GOURI N K	a	a	a	a	a	a	a	a
10	A 444	HARITHA G	a	a	a	a	a	a	a	a
11	A 445	KRISHNENDU SURESH	a	a	a	a	a	a	a	a
12	A 447	NIYA MARY JOSE	a	a	a	a	a	a	a	a
13	A 449	VYSHNAV BABU T S	a	a	a	a	a	a	a	a
14	A 451	AFNAN FATHIN MANOJ	a	a	a	a	a	a	a	a
15	A 452	ALEENA P THOMAS	a	a	a	a	a	a	a	a
16	A 453	AMMU C V	a	a	a	a	a	a	a	a
17	A 454	ANJANA K SHENDY	a	a	a	a	a	a	a	a
18	A 456	ANNMARIYA FRANCIS	a	a	a	a	a	a	a	a
19	A 457	DIVYA SANNU	a	a	a	a	a	a	a	a
20	A 458	MEGHA SUDARSAN	a	a	a	a	a	a	a	a
21	A 461	SHAHANA K J	a	a	a	a	a	a	a	a
22	A 462	SNEHA S	a	a	a	a	a	a	a	a
23	A 462	SREELAKSHMI S	a	a	a	a	a	a	a	a

L. Thomas
(Dr. Femi Anna Thomas)
Teacher-in-Charge



R. Joseph
Head of the Dept
RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102

Value Added Course (2022-2023)
BIOLOGY OF THE CRYOSPHERE

Sl. No.	Roll No.	Name of candidate	15/03	17/03	20/03	22/03	24/03	28/03	30/03
			(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)
1	A 434	ADNAN U N	a	a	a	a	a	a	a
2	A 435	ANJALY A S	a	a	a	a	a	a	a
3	A 436	ANON JOSEPH	a	a	a	a	a	a	a
4	A 437	ARCHANA V S	a	a	a	a	a	a	a
5	A 438	ARDRA S	a	a	a	a	a	a	a
6	A 439	BINAS BABU G	a	a	a	a	a	a	a
7	A 441	FATHIMA FARZEEN K S	a	a	a	a	a	a	a
8	A 442	GOPIKA SREEKANTH	a	a	a	a	a	a	a
9	A 443	GOURI N K	a	a	a	a	a	a	a
10	A 444	HARITHA G	a	a	a	a	a	a	a
11	A 445	KRISHNENDU SURESH	a	a	a	a	a	a	a
12	A 447	NIYA MARY JOSE	a	a	a	a	a	a	a
13	A 449	VYSHNAV BABU T S	a	a	a	a	a	a	a
14	A 451	AFNAN FATHIN MANOJ	a	a	a	a	a	a	a
15	A 452	ALEENA P THOMAS	a	a	a	a	a	a	a
16	A 453	AMMU C V	a	a	a	a	a	a	a
17	A 454	ANJANA K SHENOY	a	a	a	a	a	a	a
18	A 456	ANNMARIYA FRANCIS	a	a	a	a	a	a	a
19	A 457	DIVYA SANNU	a	a	a	a	a	a	a
20	A 458	MEGHA SUDARSAN	a	a	a	a	a	a	a
21	A 461	SHAHANA K J	a	a	a	a	a	a	a
22	A 462	SNEHA S	a	a	a	a	a	a	a
23	A 462 a	SREELAKSHMI S	a	a	a	a	a	a	a

(Dr Fenil Anna Thomas)
Teacher-in-Charge

Rima Joseph
Head of the Dept
RIMA JOSEPH
Assistant Professor & HOD
Department of Zoology
Union Christian College
Aluva, Kerala-683 102



COURSE 31: EXTERNSHIP ON APPLIED DATA SCIENCE

**Union Christian College, Aluva
School of Computer Applications**

26/12/2022

NOTICE

The department has initiated an externship from 27th December 2022, the program focuses on Applied Data Science. This program will be exclusively conducted online. It is mandatory for all students who were admitted in 2021 to participate.



HOD





EXTERNSHIP PROGRAM

Contract Agreement

SmartBridge Educational Services Pvt. Ltd.
info@thesmartbridge.com



CONTRACT AGREEMENT

THIS AGREEMENT HAS BEEN EXECUTED ON THE 19th DAY OF December 2022
BETWEEN

M/s. Union Christian College, having its registered address at Aluva - 683102, Kerala, India, hereinafter referred to as "**College**",

AND

M/s. SmartBridge Educational Services Pvt. Ltd., having its corporate office at Plot No. 132, 2nd Floor, Above DCB Bank, HMT Nagar, Nacharam, Hyderabad, Telangana - 500076 hereinafter referred to as "**Company**".

NOW, THEREFORE, for and in consideration of the mutual understanding i.e. Proposal/s, benefits and covenant contained herein and for other good and valuable considerations sufficiency's of which are hereby acknowledged among all the directors, intending to be legally bound, hereby agree as follows:

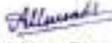
1. SCOPE OF WORK:

Both the parties agreed to work collaboratively & execute externship program for the students to build practical skills through Hands-on Projects, refer **Annexure-1** for the complete details of the externship program.

2. ROLES & RESPONSIBILITIES:

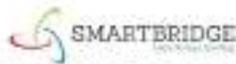
2.1 COMPANY'S ROLE & RESPONSIBILITIES:

- a. Creating customized project workspace on SmartInternz Platform
- b. Enrolling the students to the platform
- c. Provide online training to the students
- d. Assigning the mentors to the students
- e. Enrolling students to IBM Academic Initiative
- f. Reviewing the project deliverables of students
- g. Reviewing the project documentation
- h. Approve the projects.
- i. E-Certificate generation & distribution
- j. Generating interim & final reports of the program


Dr. A V Alex ,Director, MCA
Union Christian College, Aluva




SmartBridge



2.2 COLLEGE'S ROLE & RESPONSIBILITIES

- a. Assign a SPOC for the program
- b. Enroll the students to the program
- c. Confirm the training calendar
- d. Coordination with students
- e. Coordination with students for training program
- f. Monitor the progress at each stage
- g. Generate feedback reports from students
- h. Coordinate with students / accounts for payments

3. COMMERCIALS & PAYMENT TERMS:

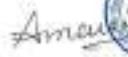
- a. Each registered student shall pay the COMPANY INR 4200/- (Four thousand two hundred Indian rupees) for the Program, which is inclusive of all applicable taxes.
- b. Above pricing is provided considering 110 or above nos. of confirmed registrations. The pricing may vary if the number of registrations are less than agreed.
- c. Payment can be done via NEFT /RTGS or we will generate a payment link for individual payments.
- d. 30% of overall Invoice amount will be settled before the start date of program.
- e. 40% will be settled immediately after completion of training sessions.
- f. 30% Balance amount will be cleared immediately after project development.

4. GENERAL TERMS & CONDITIONS:

- a. Students with successful project submissions only will receive the certificates.
- b. Entire program will be organized remotely via Zoom Meetings.
- c. Students must complete the e-learning courses assigned to them.
- d. Students must register in prior for the technical bootcamps as per the schedule.
- e. Students must complete the projects assigned to them without fail.
- f. Only e-certificates will be provided.
- g. The payments are non-refundable


Dr. A V Alex ,Director, MCA
Union Christian College, Aluva




Anand
SmartBridge

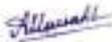
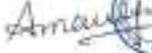


5. TERMS OF AGREEMENT:

This agreement will be reviewed, and may be modified or amended, through the mutual agreement of the signatory parties, as may be necessary to clarify and formalize roles, responsibilities, timelines, and assurances regarding the scope of work.

The agreement can be dissolved at any time after 28th February, 2023 from the date of entering in to this agreement by mutual consent of the parties, in which event the parties shall proceed with reasonable promptness to settle the accounts of the partnership as per the outlined guide lines.

IN WITNESS WHEREOF through their authorised representatives executed these presents and affixed Common Seals of their companies, on the day, month and year first mentioned above.

<p>For <u>Union Christian College</u></p>   <p>Name: Dr. Alex A V Designation: Director, MCA Department</p>	<p>For <u>SmartBridge Educational Services Pvt. Ltd</u></p>   <p>Name: Amarendra Katkam Designation: Founder & CEO</p>
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Annexure – I (Externship Program)

1. Introduction:

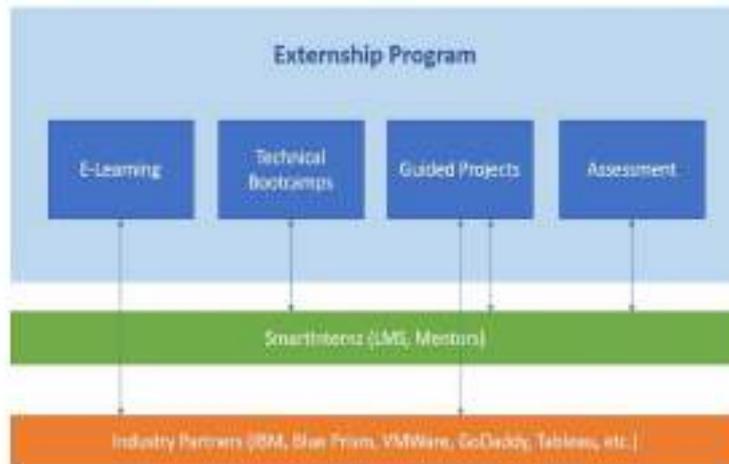
Externship is an experiential learning opportunity, similar to internships but generally shorter, provided by partnerships between educational institutions and employers to give students short practical experiences in their field of study.

Externships provide the unique opportunity for students to demonstrate what they've been learning in a real-world work environment, as well as a chance for the student to determine that the field they are interested in is a good fit.

Externships usually occur during the academic year, as a part of a student's curriculum, and provide an experiential learning environment that offers real-world insight to theoretical topics being learned about in college. Externships usually come about due to existing relationships between colleges and organizations willing to offer training.

2. Program Structure:

SmartBridge has partnered with corporates to bring this unique opportunity for the students. The program includes the learning resources, guided projects, and mentoring support.



The Externship program is an industry partnered program with learning, mentoring and hands-on experience with projects approved by companies.


Dr. A V Alex ,Director, MCA
Union Christian College, Aluva





3. Externship – Applied Data Science (in partnership with IBM)

3.1 Program Overview:

- a. 1-Months Program
- b. 40 Hrs. of online instructor-led training (daily 3 Hrs. for 3 Weeks)
- c. Access to online courses
- d. DevOps, Agile & Design Thinking mini courses from IBM
- e. Guided Project approved by IBM
- f. Mentor support
- g. Project completion certificate from IBM

3.2 Course Outline:

Introduction to Machine Learning

- Overview of Foundation Training
- What is Machine Learning
- Use cases of Machine Learning
- Types of Data
- Role of Machine Learning Engineer
- Different types of Machine Learning

Environment Setup of anaconda Introduction to python programming

- Python Data Structures
- Python Programming Fundamentals
- Conditions and Branching
- Loops
- Functions
- Python Packages
- Overview of OOP Terminology

Python for Data science

- Working with NUMPY
- Working with Pandas
- Introduction to Data Visualization
- Introduction to Matplotlib and Seaborn
- Basic Plotting with Matplotlib and Seaborn
- Working with Scikit-Learn

Data Wrangling Techniques

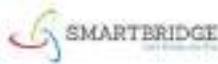
- Introduction to Data preprocessing
- Importing the Dataset
- Handling Missing data
- Working with categorical Data
- Splitting the data in to Train and Test set
- Feature Scaling

Alex

Dr. A V Alex ,Director, MCA

Union Christian College, Aluva





Introduction to Supervised Machine Learning

Introduction to Regression Algorithms

- Linear Regression
- Multiple Linear Regression
- Polynomial Regression
- Decision Tree

Introduction to Classification algorithms

- Logistic Regression
- K-Nearest Neighboring
- Support Vector Machine
- Naive-Bayes
- Decision Tree Classification
- Random Forest Classification

Model Evaluation for classification and regression problems

Unsupervised Learning

- K-Means Clustering

Introduction to different modes of Deployments

- Working with the Flask framework
- Building an application with Flask Framework
- Integrating Machine learning model with Web Application
- Introduction to IBM Python Flask APP
- Deploying Python Flask application on IBM Python

Introduction to IBM Cloud Services

- Introduction to IBM Cloud
- Introduction to Watson Studio
- Building Machine learning model in Watson Studio
- Deploying Machine Learning Models as web services

Introduction to Auto AI

- Building a Machine Learning Model Using Auto AI
- Introduction to IBM Node-red
- Integrating Machine Learning model to IBM Node-red
- Building Web Application

Dr. A. V. Alex, Director, MCA
Union Christian College, Aluva





3.3 Sample Certificate of Completion:



Externship Certificate



Project Completion Certificate

3.4 Pre-Requisites:

The student must fulfill the following requirements to join the program.

- a. This program has been offered exclusively to the students
- b. A valid document must be submitted to authenticate the students status
- c. Students shall have knowledge on fundamentals of python programming.
- d. Students must have a laptop / computer with min. 4GB RAM & i3 processor
- e. The institution shall accommodate the training programs in the academic schedule.
- f. The institution shall assign a faculty in charge for coordination.

Alexander
 Dr. A V Alex ,Director, MCA
 Union Christian College, Aluva



Anant
 SmartBridge

Poster for the Program :

SCHOOL OF COMPUTER APPLICATIONS
UNION CHRISTIAN COLLEGE, ALUVA

SMARTBRIDGE

VALUE ADDED COURSE

MACHINE LEARNING
IN ASSOCIATION WITH
IBM

VIRTUAL MEET

27th Dec 2022 to 28th Feb. 2023
6 PM to 9PM

Master of Computer Applications

Student Details

Sl. No	RegNo	Name
1	213242210171	S DEVIKA DAS
2	213242210172	ABHIRAMI S
3	213242210173	ABIN JOSE
4	213242210174	ABIN JOSEPH JAISON
5	213242210175	ADARSH G PRABHU
6	213242210176	ADITHYA NARAYANAN M.V
7	213242210177	ADITYA MURALI
8	213242210178	AISWARIYA C NAIR
9	213242210179	AISWARYA MOHAN
10	213242210180	AISWARYA VENU
11	213242210181	AJAYRAJ A R
12	213242210183	AKHIL SHAJI
13	213242210184	AKHILESH KUMAR CB
14	213242210185	ALEENA SUNIL

15	213242210186	ALEN K JOSEPH
16	213242210187	ALVIN ANTONY VINCENT
17	213242210188	AMRUTHA J RAMESH
18	213242210189	ANANDHU VIJAYAN
19	213242210190	ANEENA PRASAD
20	213242210191	ANEETTA N V
21	213242210192	ANILA BIJU
22	213242210193	ANIRUDH KOOVAKKATTIL BIJU
23	213242210194	ANJANA KRISHNAN
24	213242210195	ANJANA PRABHAKARAN
25	213242210196	ANJU.P.R
26	213242210197	ANTONY ROSHAN K G
27	213242210198	ANUJA FRANCIS
28	213242210200	ARJUN K
29	213242210201	ARJUN SAJAN
30	213242210202	ARPITHA K THOMAS
31	213242210203	ARUNIMA KS
32	213242210204	ASHNA VARGHESE
33	213242210205	ATHILA M S
34	213242210206	ATHIRA SAJIKUMAR
35	213242210207	ATHUL AJITH
36	213242210208	AYSHA NEZRIN CB
37	213242210209	C S SRI SAI
38	213242210210	CHANDHAN P MANOJ
39	213242210211	CHRISTEENA GEORGE
40	213242210212	CHRISTO ABRAHAM

41	213242210182	AKASH FRANCIS
42	213242210199	APARNA RAMESH
43	213242210213	CHRISTO P L
44	213242210214	DEVINARAYAN K
45	213242210215	DIVYA J
46	213242210216	EBIN REMILSON
47	213242210217	EISHAL CYRIL
48	213242210218	ERICS ANTONY
49	213242210219	FARHANA SHIRIN M R
50	213242210220	FERNANDO M M
51	213242210221	GAYATHRY.U
52	213242210222	HARIPRIYA SHAJI
53	213242210223	HASNA T S
54	213242210224	JEEMOL JOJO K
55	213242210225	JEFNA JOSHY
56	213242210226	JERIN JOY
57	213242210227	JISHNU T S
58	213242210228	JIYA JAGADEESH
59	213242210229	JOHN GEORGE
60	213242210230	JOJO ELDHOSE
61	213242210231	JOSEPH PIOUS
62	213242210232	KARTHIKA RAMACHANDRAN
63	213242210233	KIRAN T S
64	213242210234	KISHAN M S
65	213242210235	KRISHNARCHANA K J
66	213242210236	KRISHNENDHU C M

67	213242210237	LAKSHMI K N
68	213242210238	LIBIN SUNNY
69	213242210239	LIYA CC
70	213242210240	M ARAVIND RAJ
71	213242210241	MANASI S PILLAI
72	213242210242	MANJU JOHNY
73	213242210243	MANU KB
74	213242210244	MANU P.S
75	213242210245	MARIYA PAUL
76	213242210246	MARIYA SILPHA
77	213242210247	MARY ELIZABETH JOSEPH
78	213242210248	MARY SONA. N.X
79	213242210249	MEGHNA O K
80	213242210250	MOHAMMED AZHASUDEEN.A .A
81	213242210251	NAMITHA SURESH
82	213242210252	NITHIN MANOJ
83	213242210253	POOJA MANOJ
84	213242210254	PRIYAL THOMAS P R
85	213242210255	R LAKSHMY
86	213242210256	RAFNA BACKER
87	213242210257	RAIMAH RAHMATH
88	213242210258	RAKESH P D
89	213242210259	RITHIK SUNIL V
90	213242210260	ROBIN BABY
91	213242210261	ROMIN SKARIAH MAMMAN
92	213242210262	SAFA P B

93	213242210263	SANDRA P B
94	213242210264	SANJU SANTHOSH
95	213242210265	SARATH NARAYANAN KS
96	213242210266	SHASNA BANU K.N
97	213242210267	SHERIN CHACKO
98	213242210268	SHILJITH K SADANANDAN
99	213242210269	SIDHARTH.B
100	213242210270	SIFNA V N
101	213242210271	SHIVAKUMAR B MENON
102	213242210272	SNEHA SURESH
103	213242210273	SOLAMAN RAPHEL
104	213242210274	SONA SAVIOUR
105	213242210275	SOORAJ SURESH
106	213242210276	SOUMYA SUNIL
107	213242210277	SREELAKSHMI VIJAYAN
108	213242210278	SREERAJ M R
109	213242210280	SRILAXMI S
110	213242210281	SRUTHY E S
111	213242210282	SURYA C S
112	213242210283	SUSHAMA AV
113	213242210284	THAMJIDHA T N
114	213242210285	UTHARA RAMESH
115	213242210286	VAISHNAVI SATHEESH
116	213242210287	VIJAI K A
117	213242210288	VIJAL B
118	213242210289	YADHUKRISHNAN.T.S

Aluvaki

Dr. A V Alex ,Director, MCA
Union Christian College, Aluva



Students Attendance

Classes were conducted online as mentioned in the attached MOU. Attendance Provided by Smart Bridge Educational Services

Union Christian College - Aluva , Kerala
Applied Data Science
Start Date: 27th December 2022 Timings: 6:30 PM - 9:30 PM IST
Trainer : Shivam , Mentor : Gaurang & Arfaz

SI NO	Name	No.of sessions	Sessions Attended
1	Abin Jose	15	13
2	Akash Francis	15	13
3	Anirudh Koovakkattil Biju	15	14
4	C S Srisai	15	13
5	Eric's Antony	15	15
6	Joseph Pious	15	13
7	Manu P.S	15	14
8	Robin Baby	15	13
9	Sidharth B	15	3
10	Abin Joseph Jaison	15	2
11	Akhil Shaji	15	15
12	Antony Roshan	15	14
13	Chandhan P Manoj	15	15

SI NO	Name	No.of sessions	Sessions Attended
14	Fernando M M	15	12
15	Kiran T S	15	10
16	Mohammed Azhasudheen	15	11
17	Romin Skariah Mamman	15	8
18	Sivakumar B Menon	15	14
19	Vijai K A	15	13
20	Aiswarya Venu	15	15
21	Anjana Prabhakaran	15	15
22	Ashna	15	14
23	Divya J	15	14
24	Jefna Joshy	15	15
25	Liya C C	15	11
26	Mary Sona N.X	15	12
27	Raimah Rahmath	15	15
28	Sneha Suresh	15	15
29	Surya C S	15	15
30	Aleena Sunil	15	12
31	Anju.P.R	15	10
32	Athila M S	15	15
33	Farhana Shirin M R	15	14
34	Jiya Jagadeesh	15	15
35	Manasi S Pillai	15	15
36	Meghna O K	15	15
37	S Devika Das	15	15

SI NO	Name	No.of sessions	Sessions Attended
38	Sona Xavier	15	13
39	Sushama A V	15	14
40	Adarsh G Prabhu	15	15
41	Akhilesh Kumar C B	15	14
42	Arjun Sajan	15	15
43	Christo Abraham	15	13
44	Jerin Joy	15	13
45	Kishan M S	15	13
46	Nithin Manoj	15	13
47	Sanju Santhosh	15	13
48	Solaman Raphel	15	12
49	Vijal B	15	8
50	Aditya Murali	15	13
51	Alen K Joseph	15	12
52	Arjun K	15	5
53	Devinarayanan K	15	15
54	Jishnu T S	15	14
55	Libin Sunny	15	12
56	Priyal Thomas P R	15	6
57	Sarath Narayanan	15	7
58	Sooraj Suresh	15	11
59	Aneena Prasad	15	13
60	Anuja Francis	15	14
61	Athira Sajikumar	15	14
62	Gayathry.U	15	14

SI NO	Name	No.of sessions	Sessions Attended
63	Karthika Ramachandran	15	15
64	Manju Johny	15	14
65	Namitha Suresh	15	12
66	Safa P B	15	13
67	Soumya Sunil	15	15
68	Thamjidha T N	15	15
69	Abhirami S	15	15
70	Aneetta N.V	15	15
71	Aparna Ramesh	15	15
72	Aysha Nezrin Cb	15	12
73	Haripriya Shaji	15	15
74	Krishnarchana K J	15	13
75	Mariya Paul	15	11
76	Pooja Manoj	15	12
77	Sandra P B	15	14
78	Sreelakshmi Vijyan	15	15
79	Uthara Ramesh	15	14
80	Aditya Narayanan	15	11
81	Ajayraj A R	15	15
82	Alvin Antony Vincent	15	15
83	Anandhu Vijayan	15	15
84	Athul Ajith	15	14
85	Ebin Remilson	15	10
86	Eishal Cyril	15	14
87	John George	15	14

SI NO	Name	No.of sessions	Sessions Attended
88	Jojo Eldhose	15	15
89	M Aravindraaj	15	14
90	Manu K B	15	12
91	Rakesh P D	15	15
92	Rithik Sunil	15	15
93	Sherin Chacko	15	15
94	Shiljith	15	9
95	Sreeraj M R	15	7
96	Yadhukrishnan.T.S	15	14
97	Aiswariya C Nair	15	15
98	Aiswarya Mohan	15	12
99	Amrutha J Ramesh	15	14
100	Anila Biju	15	15
101	Anjana Krishnan	15	15
102	Arpitha K Thomas	15	15
103	Arunima K S	15	14
104	Christeena George	15	15
105	Christo Pl	15	13
106	Hasna T S	15	15
107	Jeemol Jojo K	15	15
108	Krishnendhu C M	15	15
109	Lakshmi K N	15	14
110	Mariya Silpha	15	15
111	Mary Elizabeth Joseph	15	15
112	R Lakshmy	15	13

SI NO	Name	No.of sessions	Sessions Attended
113	Rafna Backer	15	15
114	Shasna Banu	15	14
115	Sifna V N	15	14
116	Srilaxmi S	15	15
117	Sruthy E S	15	13
118	Vaishnavi Satheesh	15	15

COURSE 32: PLANT BASED COSMETICS

COURSE 33: ORNAMENTS AND JEWELLERIES FROM PLANT PRODUCTS

COURSE 34: FLOWER ARRANGEMENTS

**UNION CHRISTIAN COLLEGE
DEPARTMENT OF BOTANY (2022-23)**

NOTICE

The Department of Botany shall start value added courses

- 1. Plant based cosmetics.**
- 2. Ornaments and jewellerys from plant products**
- 3. Flower arrangement**

It shall be a 30 contact hours course including a series of lectures and hands on training sessions.

Students from the departments are requested to enrol themselves for the course and participate actively to make it a grand success.

Registration forms are available in the department.

Proposal

of

value added course

on

Plant based cosmetics

for

BSc and MSc Botany students

offered by

Department of Botany

Aim

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective

To give opportunities for professional growth, career improvement of practical knowledge and self-employment opportunities.

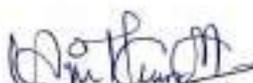
DEPARTMENT OF BOTANY

Workload distribution

Sl. No.	Name of Faculty	Theory	Practical
1	Dr. Anamol Jose	7	4
2	Dr. Reshmi G R.	7	4
3	Dr. Priya M P	6	2


Course Co-ordinator

Dr. Anamol Jose


Head of the Department

Dr. M Anilkumar
Dr. M. ANILKUMAR, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam-683102, Kerala


Principal

Dr. M I Punnoose
Prof. Dr. M. I. Punnoose
Principal
Union Christian College, Aluva-*



UNION CHRISTIAN COLLEGE, ALUVA

DEPARTMENT OF BOTANY

Value added course on Plant based cosmetics

Application form

Name of Student :
Class :
Roll Number :
PRN Number :
Email :
Mobile No :
Address for communication:
Course Name :
Signature :

DR. M. ANILKUMAR, Ph.D.
Associate Professor & Head
Department of Botany
Union Christian College,
Aluva, Ernakulam - 686 012, Kerala

UNION CHRISTIAN COLLEGE

COURSE OBJECTIVES

- *Provide an overview of the field of natural cosmetics
- *Identify different types cosmetic ingredients and their plant sources, occurrence, properties
- *Production and modification of cosmetic formulations to achieve stable products with prescribed sensory properties.

Get in touch!
Don't hesitate to contact us if you'd like more information!

Dr. Ankana Mishra, Department of Botany
Dr. Ananta Kumar, Course Coordinator
Ph. No. 9830450000
Dr. Indira B. Barua
Dr. Pooja P. Ghoshy

For more information
contact us on
9830450000

DEPARTMENT OF BOTANY

Life changing course to start your own beauty business...

JOIN WITH US

Bring your own produce from nature. Our aim is to show how you can safely produce plant based cosmetics.

Course duration: 30 hrs

Eligible for 10th & 12th students

Qualify will be given only on successful completion of the course

Registration Link: <https://forms.gle/htwaxd9y25499>

Value of 450 course fee

PLANT BASED COSMETICS

Hands on training for making your own plant based cosmetics

Course content:

- *Introduction to natural cosmetics
- *History of natural cosmetics
- *Plant based ingredients
- *Formulation of natural cosmetics
- *Manufacturing process
- *Packaging
- *Marketing
- *Business plan
- *Project work
- *Certificate

Dr. M. ANILKUMAR, Ph.D.
 Associate Professor & Head
 Department of Botany
 Union Christian College
 New Bongaichhat Road, Kolkata

LIST OF STUDENTS ENROLLED FOR VALUE ADDED COURSES

ACADEMIC YEAR (2022-23)

COURSE NAME: PLANT BASED COSMETICS (2022-23)

Admn No	Student Name
H1196	ANAGHA M B
H1036	ANJANA M B
H1278	APARNA SUNIL
H1343	BEEGUM SAFOORA K M
H1276	DEVIKA S
H1163	GOPIKA S NAMPOOTHIRI
H1193	MEGHA MOHAN
H1393	NIVYA C
H1092	PARVATHY SURESH
H1169	RINNU JOSE
H1394	SREEHARI V S
H1273	SREEKALA T
H1391	VARSHA T C

Sl. No	Name	Period	MONTHS														
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
E61	Anagha M.B																
E62	Anjana M.B																
E63	Aparna Sunil																
E64	Beequm Safoora K.M																
E65	Devika S																
E66	Gojika S. Nampoothiri																
E67	Megha Mohan																
E68	Nivya C																
E69	Parvathy Suresh																
E70	Rinnu Jose																
E71	Sreehari V.S																
E72	Sreekala T																
E73	Varsha T.C																

[Signature]
Teacher in Charge

[Signature]
Head of the Department

Dr. M. ANILKUMAR, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam - 683102, Kerala

Proposal
of
value added course
on
Ornaments and jewellerys from plant products
for
BSc and MSc Botany students
offered by
Department of Botany

Aim

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective

To give opportunities for professional growth, career improvement of practical knowledge and self-employment opportunities.

COURSE CONTENT

Module 1				
				Hours : 3h
Syllabus: Introduction – ornaments vs jewelry, types of jewellery, types of ornaments, jewellery and ornaments from natural products , plants parts useful in ornaments and jewelry making				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1, CO2	Introduction – ornaments vs jewelry, types of jewellery, types of ornaments , jewellery and ornaments from natural products	2	Lecture, Demonstration
2	CO3	plants parts useful in ornaments and jewelry making	1	Lecture, Demonstration
Module 2				
				Hours : 3h
Syllabus: Colour- Definition, Colour theory- History of colour theory. Fundamentals of colors Meaning of colors, Dimensions of colour (Hue, Value and Intensity), Colour wheel- Primary, Secondary and Tertiary colors. Aspects of colors- Hot, Cold, Warm, Cool, Light, Dark, Pale and Bright. Artificial colorants and natural pigments				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO3	Colour- Definition, Colour theory- History of colour theory.	1	Lecture
2	CO3	Fundamentals of colors Meaning of colors, Dimensions of colour (Hue, Value and Intensity),	1	Lecture
3	CO3	Colour wheel- Primary, Secondary and Tertiary colors. Aspects of colors- Hot, Cold, Warm, Cool, Light, Dark, Pale and Bright. Artificial colorants and natural pigments	1	Lecture, Demonstration
Module 3				
				Hours : 5h
Syllabus: Introduction to tools used in the jewellery manufacturing -Safety measures taken while making jewelry - Process of jewelry making - Designing, Moulding, Casting, Polishing, Embellishment, Finishing, Plating, Quality Checking, Packing and Transporting, Marketing. Different types of jewelry-				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO3	Introduction to tools used in the jewellery manufacturing	1	Lecture
2	CO3	Safety measures taken while making jewelry - Process of	2	Lecture, demonstration

		jewelry making - Designing, Moulding, Casting, Polishing, Embellishment, Finishing, Plating, Quality Checking, Packing and Transporting, Marketing		
3	CO3	Different types of jewelry-	2	Lecture, demonstration
Module 4				
Hours : 8h				
Syllabus: Plant based ornamentals- collection, preservation of plant materials, drying techniques-herbarium preparation- herbarium art, resin art- different types of resins, moulding –pendant and earring making				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO3	Plant based ornamentals- collection, preservation of plant materials,	3	Lecture, demonstration
2	CO3	drying techniques- herbarium preparation- herbarium art, resin art- different types of resins	3	Lecture, demonstration
3	CO3	moulding –pendant and earring making	2	Lecture, demonstration
Module 5				
Hours : 1h				
Syllabus: Entrepreneurship and basic marketing skill				
Sl. no	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO2	Entrepreneurship and basic marketing skill	1	Lecture
Practical				
Hours : 10h				
Syllabus: 1. Plant collection and drying for ornamental preparation 2. Preparation of plant based resin art using pulses, dry flowers and fresh flowers 3. Herbarium art and décor preparation 4. Pendant making, key chain making, ear ring making, mobile decor preparation 5. Submit at least one ornament from each category (pendent, key chain, ear ring, mobile decor)				
Sl. no	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO3	Plant collection and drying for ornamental preparation	2	Demonstration, Practical, hands on training

2	CO3	Preparation of plant based resin art using pulses, dry flowers and fresh flowers	2	Demonstration, Practical, hands on training
3	CO3	Herbarium art and décor preparation	2	Demonstration, Practical, hands on training
4	CO3	Pendent making, key chain making, ear ring making, mobile décor preparation	4	Demonstration, Practical, hands on training

Department	BOTANY
Name of Value added course	Ornaments and jewelleries from plant products
Participants	UG/PG/ Both
Semester	3
Total Hours	30 hrs
Maximum intake	30

Class timings: Saturdays and 3:30-4:30 pm on working days

Course Co-ordinator- Dr. Anamol Jose

Faculty Members: Dr. Anamol Jose, Dr. Reshmi G R

Dr. M. ANILKUMAR, Ph.D.
Associate Professor & Head
Department of Botany
Union Christian College
Atova, Ernakulam - 681018, Kerala

DEPARTMENT OF BOTANY

Workload distribution

Sl. No.	Name of Faculty	Theory	Practical
1	Dr. Anumol Jose	10	5
2	Dr. Reshmi G R	10	5


Course Co-ordinator

Dr. Anumol Jose


Head of the Department

Dr. M Anilkumar
Dr. M. ANILKUMAR, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam-683102, Kerala


Principal

Dr. M I Punnoose
Prof. Dr. M. I. Punnoosa
Principal
Union Christian College, Aluva-2



Union Christian college, Aluva



Department of Botany

Value added course on

Ornaments and Jewelleryes from plant products



Needs on training / practical / 5
materials



Course outcomes

• appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
• identify business opportunities in chosen sector and plan and market and sell products / service
• Make various kinds of costume jewelry from ornaments based on plant materials by using the various tools and technologies

Course duration: 30 hrs

Course duration: 30 hrs

LIST OF STUDENTS ENROLLED FOR VALUE ADDED COURSES
ACADEMIC YEAR (2022-23)
COURSE NAME: ORNAMENTS AND JEWELLERIES FROM PLANT PRODUCT

Admn No	Student Name
H1129	ADITHYA P
H1335	AHMED ASIF M M
H1351	AKSHAY A KUMAR
H0673	ASWINIPRIYA V B
H0826	BINIL K P
H1130	C ATHIRA
H0917	DEVIKA S MENON
H1102	FATHIMA NAZRIN C N
H1311	FEBEENA YOOSUF
H0948	FIDA FATHIMA
H1119	GAYATHRI SUNIL
H0547	HIMA P K
H1319	NAHLA HASSAN
H0674	NILEENA M
H1346	ABHIRAMI SHAJI
H0924	AFNITHA SALIM K
H0809	AFRA NASNIN A N
H1004	AISWARYA P S
H0791	ALBIN JOSEPH
H1216	ANAMIKA J S
H0827	EMIL M JOY
H0918	KRISHNANUNNI P S
H1222	LAKSHMI P S
H0695	MIYA JALESH
H1306	MUFEEEDHA NOUSHAD
H0994	MUHSINA M
H0925	SHIFANA K S

Sl. No.	Plant product NAMES	Date	Date																
			27/09/17	28/09/17	29/09/17	30/09/17	01/10/17	02/10/17	03/10/17	04/10/17	05/10/17	06/10/17	07/10/17	08/10/17					
B 209	A. Athiya . P	11/12/17																	
B 210	Abinav Asif . M. M	11/12/17																	
B 211	Akshay A. Kumar	11/12/17																	
B 212	Aswathipaiya V.B	11/12/17																	
B 213	Basil . K. P	11/12/17																	
B 214	C. Athina	11/12/17																	
B 215	Devika S. Menon	11/12/17																	
B 216	Fathima Alameen C.M	11/12/17																	
B 217	Fathima Yasuf	11/12/17																	
B 218	Hda Fathima	11/12/17																	
B 219	Gayathri Sunil	11/12/17																	
B 220	Hira P. K	11/12/17																	
B 221	Nisha Hassan	11/12/17																	
B 222	Alleena M	11/12/17																	
B 223	Abhinav Shaji	11/12/17																	
B 224	Abitha Salim K	11/12/17																	
B 225	Ajra Asma A. N	11/12/17																	
B 226	Aswathya P.S	11/12/17																	
B 227	Alina Joseph	11/12/17																	
B 228	Anamika . T.S	11/12/17																	
B 229	Enil M. Jay	11/12/17																	
B 230	Prishravanani P.S	11/12/17																	
B 231	Lakshmi . P.S	11/12/17																	
B 232	Mrs Saleh	11/12/17																	
B 233	Mufredha Nouhad	11/12/17																	
B 234	Mubeena . M	11/12/17																	
B 235	Shilpa K.S	11/12/17																	

Handwritten signature
 Dr. Anuraj Jose
 Teacher In charge

Handwritten signature
 Dr. M. ANILKUMAR, Ph.D
 Associate Professor & Head
 Department of Botany
 Union Christian College
 Aluva, Ernakulam-683102, Kerala

Proposal
of
value added course
on
Flower arrangement
for
BSc and MSc Botany students
offered by
Department of Botany

Aim

Value added course is generally defined as the part of education that provides the specialized professional knowledge and skills, which attribute professional adequacy to the student and are the focus of every training program. Value added course can be seen as an activity or a set of activities designed in order to transmit theoretical knowledge and also professional skills that are require for certain types of jobs.

Objective

To give opportunities for professional growth, career improvement of practical knowledge and self-employment opportunities.

Course Content

Module 1		Hours : 5hrs		
Syllabus: Introduction to Flower Arrangements Introduction - History of Flower Arranging - Significance of Flower Arrangement - Materials required: Plant materials - flowers and leaves; Containers – size, shape, colour; Materials – holder, pinpoint holders, chicken wire, floral foams; Tools.				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO1	History of Flower Arranging - Significance of Flower Arrangement - Materials required:	2	Lecture, demonstration
2	CO1, CO2	Plant materials - flowers and leaves; Containers – size, shape, colour; Materials – holder, pinpoint holders, chicken wire, floral foams; Tools.	3	Lecture, demonstration
Module 2		Hours : 6 hrs		
Syllabus: Preparations for Floral decorations Principles of floral arrangement- Creating atmosphere according to seasons, emotions and moods - cutting flowers and foliage, conditioning plant materials; Floral arrangement styles: line arrangement, line-mass arrangement, mass arrangement; Floral arrangement shapes; floral design, elements of design, attributes of design; Principles of design;				
Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO3	Principles of floral arrangement- Creating atmosphere according to seasons, emotions and moods - cutting flowers and foliage, conditioning plant materials	3	Lecture, demonstration
2	CO3	Floral arrangement styles: line arrangement, line-mass arrangement, mass arrangement; Floral arrangement shapes; floral design, elements of design, attributes of design; Principles of design;	3	Lecture, demonstration
Module 3		Hours : 6 hrs		

Syllabus:
Basic design of flower arrangement
 Styles of Flower Arrangements - Oriental, Traditional/Western, Modern; Types of Flower arrangement - Pedestal Arrangements, Wall Arrangements, Flower Spheres, Small Arrangements, Large Arrangements; Floral Bouquets, Table Centerpieces, Floral Baskets, Floral Wreaths, Ikebana; Arrangements for Christmas and other festivals.

Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO4	Styles of Flower Arrangements - Oriental, Traditional/Western, Modern;	2	Lecture, demonstration
2	CO4	Types of Flower arrangement - Pedestal Arrangements, Wall Arrangements, Flower Spheres, Small Arrangements, Large Arrangements; Floral Bouquets, Table Centerpieces, Floral Baskets, Floral Wreaths, Ikebana;	2	Lecture, demonstration
3	CO4	Arrangements for Christmas and other festivals	2	Lecture, demonstration

Module 4 **Hours : 5 hrs**

Syllabus:
Types and Styles of Dry Flower Arrangements
 Dry flowers- Identification and selection of flowers and plant parts; Raw material procurement, preservation and storage; Techniques in dry flower making - Drying, bleaching, dyeing, embedding, pressing; Accessories; Designing and arrangement - dry flower baskets, bouquets, pot-pourri, wall hangings, button holes, greeting cards, wreaths; Packing and storage.

Sl. no	CO Number	Topic /Activity	No of hours	Instructional methods to be used
1	CO4, CO5	Dry flowers- Identification and selection of flowers and plant parts; Raw material procurement, preservation and storage;	1	Lecture, demonstration
2	CO4, CO5	Techniques in dry flower making - Drying, bleaching, dyeing, embedding, pressing	2	Lecture, demonstration
3	CO4, CO5	Accessories; Designing and arrangement - dry flower baskets, bouquets, pot-pourri, wall hangings, button holes,	2	Lecture, demonstration

		greeting cards, wreaths; Packing and storage		
Practical		Hours : 8 hrs		
Syllabus: Practical				
<ol style="list-style-type: none"> 1. Preparation of pots and containers for flower arrangements 2. Collection of flowers and plant parts and its preparation 3. Practicing different designing of flower arrangement 4. Practicing preparation of dry flower baskets, bouquets 				
Sl. no	CO Number	Topic/Activity	No of hours	Instructional methods to be used
1	CO1	Preparation of pots and containers for flower arrangements	2	Demonstration, Practical, hands on training
2	CO1, CO2	Collection of flowers and plant parts and its preparation	2	Demonstration, Practical, hands on training
3	CO2, CO4	Practicing different designing of flower arrangement	2	Demonstration, Practical, hands on training
4	CO5	Practicing preparation of dry flower baskets, bouquets	2	Demonstration, Practical, hands on training

Department	BOTANY
Name of Value-added course	FLOWER ARRANGEMENT
Participants	UG/PG/ Both
Semester	4
Total Hours	30 hrs
Maximum intake	30

Class timings: Saturdays and 3:30-4:30 pm on working days

Course Co-ordinator- Dr. Anamol Jose

Faculty Members: Dr. Anamol Jose, Dr. Reshmi G R

DEPARTMENT OF BOTANY

Workload distribution

Sl. No.	Name of Faculty	Theory	Practical
1	Dr. Anamol Jose	10	5
2	Dr. Reshmi G R	10	5


Course Co-ordinator

Dr. Anamol Jose


Head of the Department

Dr. M Anilkumar
Dr. M. ANILKUMAR, Ph.D
Associate Professor & Head
Department of Botany
Union Christian College
Aluva, Ernakulam-683102, Kerala


Principal

Prof. Dr. M. P. Pappose
Principal
Union Christian College, Aluva-2



LINCOLN CHRISTIAN COLLEGE, ALISA



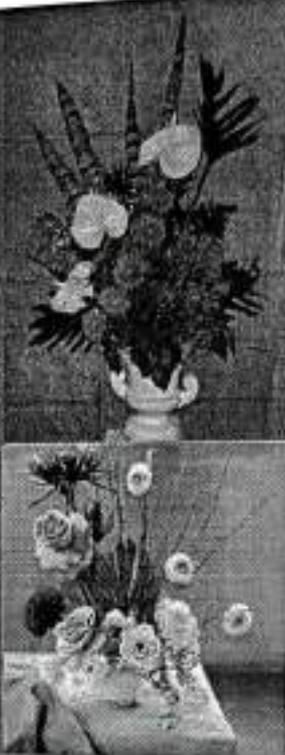
Department of Botany

Value added
course in
Flower
arrangement

Hands on learning! Practical &
valuable skills

Course outcomes

- 1. To give concepts about flower arrangement
- 2. To give ideas about the materials used for flower arrangement
- 3. To introduce different floral decorations and patterns
- 4. To give practical skill on different flower arrangement
- 5. Give ideas of the flower arrangement



LIST OF STUDENTS ENROLLED FOR VALUE ADDED COURSES

ACADEMIC YEAR (2022-23)

COURSE NAME: FLOWER ARRANGEMENT

Admn No	Student Name
H0253	AARYA C S
H0271	AFRA V A
H0170	AKHINU C
H0242	AKSHAYA O S
H0230	ANAGHA M M
H0080	ANANDHU KRISHNA K S
H0036	ANEENA JOHN
H0246	ANEESHA P B
H0140	ANNA SAJU
G9854	ANUPAMA K A
G9753	APARNA E S
H0081	ASIYA M A
G9706	BRIGHTLY SEBASTIAN
H0185	CHITHRA S
H0177	DEVIKA K A
G9962	ELDHOSE V K
G9960	ELSHA M ELIAS
H0077	FATHIMA O A
H0078	MIZNA M A
H0214	MUHSINA MUHAMMED
H0272	NABEESATHUL MISIRIYA
H0183	NANDANA RAMAKRISHNAN
H0028	NIKHITHA LAL
H0146	P S PRITHVIRAJ
H0281	POORNENDU R ACHARYA
H0107	R KAILAASH
H0096	ROSE ANN MARY PAUL
H0001	SHREYA R PAI
H0002	SREELAKSHMI N S
H0003	SUMAYYA T A
G9833	VISHNUDAS T A

G. P. RAMAKRISHNAN
 Head & In-charge
 of the
 Department of
 Fine Arts
 Government College
 of Arts & Science
 Bangalore

COURSE 35: HUMAN VALUES AND PROFESSIONAL ETHICS

Human Values and Professional Ethics

Course Syllabus

Module 1: Values and their Importance

Definition of values, Types of values, Sources of values, Importance of having core values, Study any 5 values relevant to student life

Suggestions: Empathy, Respect, Truthfulness, Integrity, Resilience, Optimism, Diligence

10 hours

Module 2: Social and Professional ethics

Democracy, social justice, civic duty, equity and equality, Team work, communication, responsibility, Leadership, Discipline, Quality assurance

10 hours

Module 3: Expressing values in daily life

Critical thinking, Making informed decisions, Rights and responsibilities of students and citizens, Inspirations from role models- a study of lives that changed societal values, Practical applications of living

10 hours

Reference:

Handbook of Activities on Life skills

https://aif.org/wp-content/uploads/2018/10/Lifeskills-2018a_MAST.pdf

<http://www.himpub.com/documents/Chapter939.pdf>

<https://www.unicef.org/azerbaijan/media>

Action plan:

Duration: 3years (10 hours per year, January to March , Friday first hour)

Strength: Whole college UG students

Classes by: Faculty members from all departments

Course Structure: Blended learning

Scheme of Examination: Total Marks 100

Internal Assessment: 40 Marks

Sl. No.	Internal Assessment activities	Marks
1	Assignment/Fieldwork	10
2	Seminar/Group discussion	10
3	Poster Presentation	10
4	Role Play	10

*75% Attendance is mandatory

External Assessment using Mobile Application: 60 marks

CERTIFICATION:

A certificate of the course will be awarded to all those who have successfully completed the theory as well as practical activity in all courses.

Staff Attendance Register

2021-22

21-22

22-23

for

20

21

Sl. No.	Name	2021-22												21-22												22-23												GRAND TOTAL	REMARKS
		Month												Month												Month													
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	Arora P.	M	Y	Y	X	X	X	X	X	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
2	Arora A.K.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
3	Arora S.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
4	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
5	Arora A.C.	M	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
6	Arora A.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
7	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
8	Arora P.	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	108			
9	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
10	Arora P.	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	108			
11	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
12	Arora A.C.	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	108			
13	Arora P.	M	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
14	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
15	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
16	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
17	Arora P.	M	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
18	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
19	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
20	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
21	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
22	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
23	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
24	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
25	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
26	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
27	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
28	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
29	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
30	Arora P.	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
31	Arora P.	M	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	108			
32	Arora P.	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	108			



COURSE 36: FIELD ARCHAEOLOGY AND MATERIAL CULTURE STUDIES

UNION CHRISTIAN COLLEGE
Aluva

Department of History

(VALUE ADDED CERTIFICATE COURSE)

Union Christian College, Aluva
Department of History

NOTICE

The Department of History introduces a Value Added Certificate course titled FIELD ARCHAEOLOGY and MATERIAL CULTURE STUDIES.

The course is of 30-contact hours including a series of lectures and practical sessions. Students from the department are requested to enroll themselves for the course and participate actively to make it a great success.

Registration forms are available at the department.

**Proposal
of
Value Added Certificate Course
on
Field Archaeology and Material Culture Studies
for
MA students
offered by the Department of History**

Aim:-

To engage and familiarize students with the nuances of archaeological investigation and thereby equip them with the necessary knowhow and get them field-ready.

Outcome:-

1. Students can carry out preliminary field work to aid research.
2. Students can join as volunteers in archaeological projects.
3. Students can join museums as interns.
4. Students can classify objects at houses and private collections.

Objectives:-

The course intends to equip students of the sciences and social sciences to address theoretical and pragmatic challenges linked to archaeology. It will provide exposure to the fundamentals of archaeology and offer a transdisciplinary view to students.

In the field, the students will be trained in two primary methods of archaeological investigation, namely, exploration and excavation. Module 1 will help students gain insights in trench layout, study and interpretation of material culture and to create reports on the artefacts. Module 2 and 3 will help present monuments/ sites to the public, identify gaps in conserving and protecting them and familiarize them with local and national legislations.

Course Content:-

Module 1: (8 Hours)

Unit 1: Basics of Archaeology

Unit 2: What is Field Archaeology

Unit 3: Material Culture Studies
 Unit 4: Visit a Museum
Module 2: (12 Hours)
 Unit 5: Exploration
 Unit 6: Excavation
 Unit 7: Relative Dating
 Unit 8: Data Recovery and Recording
 Unit 9: Artefact Analysis
 Unit 10: Basic Scientific Lab Methods – Map Reading
 Unit 11: Field Archaeology Workshop on Campus
Module 3: (10 Hours)
 Unit 12: Field Work
 Unit 13: Post Field Work Analysis

DURATION : 30 Hours

ELIGIBILITY : BA and MA

COURSE COORDINATOR : Dr. Jenee Peter

FACULTY MEMBERS : Dr. Jenee Peter, Lekshmy Venugopal, Arun P Malat

DEPARTMENT OF HISTORY

Work Distribution:-

Sl. No.	Name of Faculty	Theory	Practical
1	Dr. Jenee Peter	5 hrs	5 hrs
2	Lekshmy Venugopal	5 hrs	5 hrs
3	Arun P Malat	5 hrs	5 hrs

Jenee Peter
 Course Coordinator
 Dr. Jenee Peter
Jenee Peter PhD
 Coordinator, Archaeology
 Department of History
 Union Christian College, Aluva-2

Tresa Divya TJ
 Head of the Dept.
 Tresa Divya TJ
TRESA DIVYA T.J.
 Head of the Department
 PG Department & Research Centre in History
 Union Christian College
 Aluva - 2

M. I. Punnose
 Principal
 Dr. M. I. Punnose
 Prof. Dr. M. I. Punnose
 Principal
 Union Christian College, Aluva-2



Union Christian College, Aluva
Department of History
Value Added Certificate Course
Field Archaeology and Material Culture Studies
Application Form:-

Name of Student:

Class:

Roll Number:

Email Address:

Mobile Number:

Address for Communication:

Course Name:

Parent/ Guardian's Name:

Parent/ Guardian's Number:

Student's Signature:

Department of History
Value Added Certificate Course
Field Archaeology & Material Culture Studies

[Signature]
Course Coordinator

**DEPARTMENT OF HISTORY
VALUE ADDED CERTIFICATE COURSE**

**FIELD ARCHAEOLOGY & MATERIAL CULTURE STUDIES
Student Enrolment List 2021-22**

Sl. No.	Register Number	Name of Student
1.	210011002857	ARATHY V R
2.	210011002859	BINCITTA S GEORGE
3.	210011002863	GADHAKRISHNAN R
4.	210011002865	KOCHUTHRESSIA JAMES
5.	210011002867	MANJU P MATHEW
6.	210011002869	PRAMITHA M PRADEEP

[Signature]
COURSE COORDINATOR

Dr. Jeneo Peter



[Signature]
PRINCIPAL

Dr. M.I.Punnoose
Prof. Dr. M. I. Punnoose
Principal
Union Christian College, Akulam-2

VALUE ADDED COURSE - ARCHAEOLOGY AND MATERIAL CULTURE STUDIES 2021-2

Sl No.	Course ID	Course Name	Roll number	Name	Department	Final Score (100)	Certificate Type	TOPPER
1	FAMCS001	Field Archaeology and Material Culture Studies	210011002859	MINICHA S GEORGE	History	85	Successfully completed	
2	FAMCS001	Field Archaeology and Material Culture Studies	210011002863	GADHAKRISHNAN R	History	85	Successfully completed	
3	FAMCS001	Field Archaeology and Material Culture Studies	210011002865	KOCHUTHESSA JAMES	History	80	Successfully completed	
4	FAMCS001	Field Archaeology and Material Culture Studies	210011002857	MANJU P MATHEW	History	83	Successfully completed	
5	FAMCS001	Field Archaeology and Material Culture Studies	210011002857	PRAMITHA M PRADIPP	History	89	Successfully completed	

COORDINATOR:



PRINCIPAL
 Prof. Dr. M. I. Purnoosa
 Principal
 Union Christian College, Aluva-2