



EMEA

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

P O Kumminiparamba – 673638
Malappuram Dist. Kerala-India

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Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

CURRICULUM BASED ON

CERTIFICATE COURSE IN ACCOUNTING TECHNICIAN

DEPARTMENT OF PROFESSIONAL ACCOUNTING AND TAXATION

2022-23

(Course Code: BVAST22)

SUMMARY REPORT

Brochure



**DEPARTMENT OF B.VOC PROFESSIONAL
ACCOUNTING AND TAXATION
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY**

Certificate course on
**ACCOUNTING
TECHNICIAN**

You will get all the best
accounting Knowledge
Skill and experience

Faculties

- ✓ **Moideen Shafeeque**
- ✓ **Munavvar Jasim**
- ✓ **Sairabanu CK**
- ✓ **Rafeeque Ali Mundodan**

Feb. 20 - Mar. 10

challenges of tomorrow. The workshop is a general program providing a broad overview of the numerous career options available to students.

Objectives of these programs:

1. To provides professional education for those who wish to become accounting and taxation professionals.
2. To get the easier role of leadership or managerial in the finance sector as they have specialization in taxation, accounting.
3. They can also have jobs to provide help in accounting services to individuals, businesses, and governments.
4. To learn about imposing tax and maintaining bookkeeping, overseeing monetary arrangement.
5. To provide judicious mix of skills relating to a profession and appropriate content of General Education.

Syllabus:

Module 1: Introduction to Accounting: Origin, Meaning, Definition, Need, Importance, Functions, Limitations, Accounting principles, Generally accepted accounting principles, Accounting equation, Double entry system. (12 Hours)

Module 2: Recording Transactions: Journal, Ledger, Trial Balance, Cash Book (single column, double column and three column), Bank Reconciliation Statement. (8 Hours)

Module 3: Financial statements: Manufacturing, Trading, and Profit and Loss Account and Balance Sheet. (10 Hours)

Module 4: Computerized accounting: Introduction to computer and Accounting information system (AIS) Automation of accounting process, designing accounting reports. (10 Hours)

Exam marks	90% and Above	A+
	89 % to 80%	A
	79 % to 70%	B+
	69% to 60%	B
	59% to 50%	C+
	49% to 40 %	C
Below 40%		Reappear

ADMISSION REGISTER

SL. NO.	Name of Student	Program	Year	Admission No.	Signature
1	FATHIMA FIDA CHUNDAKADAN	1 st year bvoc professional accounting and taxation	2022-23	22BVAS142	
2	FATHIMA NOURIN. K	1 st year bvoc professional accounting and taxation	2022-23	22BVAS100	
3	HANEENA N	1 st year bvoc professional accounting and taxation	2022-23	22BVAS082	
4	HIBA FATHIMA VP	1 st year bvoc professional accounting and taxation	2022-23	22BVAS048	
5	SHAMNA SHERIN V P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS024	

6	AJAS K M	1 st year bvoc professional accounting and taxation	2022-23	22BVAS099	
7	BAHEEJUL RAHMAN P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS051	
8	IRSHAD K	1 st year bvoc professional accounting and taxation	2022-23	22BVAS025	
9	LABEEB K P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS075	
10	LUTHUFULLAHI UK	1 st year bvoc professional accounting and taxation	2022-23	22BVAS078	
11	MOHAMMED AMEEN PUTHAN MALIYEKKAL	1 st year bvoc professional accounting and taxation	2022-23	22BVAS010	
12	MOHAMMED FAHIM P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS008	
13	MOHAMMED FAZIL EK	1 st year bvoc professional accounting and taxation	2022-23	22BVAS114	
14	MOHAMMED MUQTHAR	1 st year bvoc professional accounting and taxation	2022-23	22BVAS034	
15	MOHAMMED SHIBILY C	1 st year bvoc professional accounting and taxation	2022-23	22BVAS146	
16	MOHAMMED SHUAIB TP	1 st year bvoc professional accounting and taxation	2022-23	22BVAS098	
17	MUHAMMED HISHAM	1 st year bvoc professional accounting and taxation	2022-23	22bvas092	
18	MUHAMMED JINAS. T. P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS110	
19	MUHAMMED MIDLAJ O	1 st year bvoc professional accounting and taxation	2022-23	22BVAS031	
20	MUHAMMED MIQDHAD C P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS116	
21	MUHAMMED SAFAL	1 st year bvoc professional accounting and taxation	2022-23	22BVAS104	
22	MUHAMMED SANIN MK	1 st year bvoc professional accounting and taxation	2022-23	22BVAS060	
23	SAFVAN SUBAIR KHAN	1 st year bvoc professional accounting and taxation	2022-23	22BVAS105	
24	SHERIL SIYAS KP	1 st year bvoc professional accounting and taxation	2022-23	22BVAS131	
25	SHIBILU RAHMAN	1 st year bvoc professional accounting and taxation	2022-23	22BVAS067	
26	GOPIKA.A. P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS139	
27	MUFEEDA M	1 st year bvoc professional accounting and taxation	2022-23	22BVAS117	
28	RIYA HANNA. M	1 st year bvoc professional accounting and taxation	2022-23	22BVAS063	

29	SHAMANA SHAREEF VP	1 st year bvoc professional accounting and taxation	2022-23	22BVAS001	
30	SNEHA K	1 st year bvoc professional accounting and taxation	2022-23	22BVAS027	
31	SUHAILA P P	1 st year bvoc professional accounting and taxation	2022-23	22BVAS065	
32	ADHISANKAR C	1 st year bvoc professional accounting and taxation	2022-23	22BVAS029	
33	ADIL RAHMAN. K. V	1 st year bvoc professional accounting and taxation	2022-23	22BVAS097	
34	ADNAN K V	1 st year bvoc professional accounting and taxation	2022-23	22BVAS118	
35	AFLAH SHADHIL K	1 st year bvoc professional accounting and taxation	2022-23	22BVAS074	
36	FUAD SANIN .KM	1 st year bvoc professional accounting and taxation	2022-23	22BVAS090	
37	MOHAMMED FAHEEM K	1 st year bvoc professional accounting and taxation	2022-23	22BVAS079	
38	MOHAMMED SALIH CC	1 st year bvoc professional accounting and taxation	2022-23	22BVAS047	
39	MUHAMMED HISHAM A K	1 st year bvoc professional accounting and taxation	2022-23	22bvas127	
40	MUHAMMED SAID AFLAH PV	1 st year bvoc professional accounting and taxation	2022-23	22BVAS096	
41	MUHAMMED SHAHAM	1 st year bvoc professional accounting and taxation	2022-23	22BVAS013	
42	MUHAMMED SHAMIL	1 st year bvoc professional accounting and taxation	2022-23	22BVAS083	
43	MUHAMMED SHAN N	1 st year bvoc professional accounting and taxation	2022-23	22BVAS023	
44	RASLAN MOHAMED M T	1 st year bvoc professional accounting and taxation	2022-23	22BVAS103	
45	SIDHAN KHALID	1 st year bvoc professional accounting and taxation	2022-23	22BVAS129	

Faculties Holding the Subject

SL No	Faculty	Designation
1	Mr. MOIDEEN SHAFEEQUE.A	EMEA College, Kondotty
2	Mr. MUNAVAR JASIM P	EMEA College, Kondotty
3	Mrs. SAIRABANU CK	EMEA College, Kondotty
4	Mr. RAFEEQUE ALI MUNDODAN	EMEA College, Kondotty

CERTIFICATE COURSE IN ACCOUNTING TECHNICIAN 2022

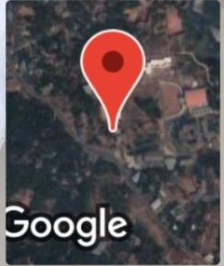
Examination held on February 2022

Multiple Choice Questions

1. The statement prepared to test the arithmetical accuracy of the books of accounts.
a) Balance Sheet b) Trial Balance c) Profit and Loss Account d) Journal
2. Pick out the WRONG pair.
a) Land, Building b) Cash, Stock c) Debtors, Machinery d) Copyright, Patent
3. Notebooks purchased by a stationery shop comes under
- a) Assets b) Income c) Purchases d) Liabilities
4. Fill in the blank..... A/c Dr. To Thomas & Co. A/c Purchased Machinery from Thomas & Co.)
a) Purchase b) Cash c) Machinery d) Goods
5. The process of transferring entries from the journal into appropriate accounts in the ledger is called.....
6. Complete the following on the basis of hint given Journal: Book of prime entry
Ledger:
7. According to..... concept it is assumed that the business will last for a long time.
8. Contingent liability is shown as a foot note in the balance sheet as per..... Accounting principle
9. As per business entity concept owner of the business is
- a) Supplier b) creditor c) debtor d) borrower
10. Expand GAAP Which of these are vital for any organization?
11. Which among the following is NOT true about computers?
a) Computers have no common sense.
b) Computers cannot take decision on their own.
c) Computers have zero IQ.
d) Computers have no storage capacity.
12. is used as a source document for recording purchases return.
13. Credit purchases are calculated by preparing.....
(a) Total Debtors account (b) Total Creditors account
(c) Bills Receivable account (d) Bills Payable account
14. Computerized accounting has some advantages over manual accounting. List out any four such advantages.
15. Classify the following into input devices and output devices.
(a) Optical pen (b) VDU (c) Printer (d) Smart card reader
16. Which of the following does not satisfy the accounting equation?
(a) $Assets = Liabilities + Capital$ (b) $Liabilities = Assets - Capital$
(c) $Capital = Liabilities + Assets$ (d) $Capital = Assets - Liabilities$
17. When a transaction is recorded on both sides of a cash book, it is called a....
(a) Compound entry (b) Contra entry (c) Double entry (d) Journal entry
18. Which of the following is not an objective of preparing Trial Balance?
(a) To know the profit or loss
(b) To check the arithmetical accuracy of accounts
(c) To help to locate errors
(d) To provide basis for the preparation of final accounts
19. Which one of the following is an output device of a computer?
(a) Mouse (b) Key board (c) Monitor (d) Bar code reader



GPS Map Camera



Google

Karipur, Kerala, India
 4WMR+HMG, Padinharathara, Karipur, Kerala 673647, India
 Lat 11.134119°
 Long 75.941656°
 01/03/23 10:39 AM GMT +05:30

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44	RASLAN MOHAMED M T	1 st year B.Voc professional accounting and taxation	2022-23	22BVAS103	
45	SIDHAN KHALID	1 st year B.Voc professional accounting and taxation	2022-23	22BVAS129	

ATTENDANCE SHEET CERTIFICATE COURSE

Roll No.	Name	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	Fathima fida chundakadam	Fid	Fid	Fid	Fid	Fid	Fid
2	FATHIMA NOURIN K	Fans	Fans	Fans	Fans	Fans	Fans
3	HANEENA N	Haneena	Haneena	Haneena	Haneena	Haneena	Haneena
4	HIBA FATHIMA VP	Hiba	Hiba	Hiba	Hiba	Hiba	Hiba
5	SHAMNA SHERIN V P	Shamna	Shamna	Shamna	Shamna	Shamna	Shamna
6	AJAS K M	Ajas	Ajas	Ajas	Ajas	Ajas	Ajas
7	BAHEEJUL RAHMAN P	Bah	Bah	Bah	Bah	Bah	Bah
8	IRSHAD K	Irshad	Irshad	Irshad	Irshad	Irshad	Irshad
9	LABEEB K P	Labeeb	Labeeb	Labeeb	Labeeb	Labeeb	Labeeb
10	LUTHUFULLAH UK	Luthu	Luthu	Luthu	Luthu	Luthu	Luthu
11	MOHAMMED AMEEN PUTHAN MALIYEKAL	Ameen	Ameen	Ameen	Ameen	Ameen	Ameen
12	MOHAMMED FAHIM P	Fahim	Fahim	Fahim	Fahim	Fahim	Fahim
13	MOHAMMED FAZIL EK	Fazil	Fazil	Fazil	Fazil	Fazil	Fazil
14	MOHAMMED MUQTHAR	Muqthar	Muqthar	Muqthar	Muqthar	Muqthar	Muqthar
15	Mohammed shubly c	Shubly	Shubly	Shubly	Shubly	Shubly	Shubly
16	MOHAMMED SHUAIB TP	Shuaib	Shuaib	Shuaib	Shuaib	Shuaib	Shuaib
17	MUHAMMED HISHAM	Hisham	Hisham	Hisham	Hisham	Hisham	Hisham
18	MUHAMMED JIBAS T P	Jibas	Jibas	Jibas	Jibas	Jibas	Jibas
19	MUHAMMED MIDLAJ O	Midlaj	Midlaj	Midlaj	Midlaj	Midlaj	Midlaj
20	MUHAMMED MIQDHAD C P	Miqdhad	Miqdhad	Miqdhad	Miqdhad	Miqdhad	Miqdhad
21	MUHAMMED SAFAL	Safal	Safal	Safal	Safal	Safal	Safal
22	MUHAMMED SANIN MK	Sanin	Sanin	Sanin	Sanin	Sanin	Sanin
23	SAFVAN SUBAIR KHAN	Safvan	Safvan	Safvan	Safvan	Safvan	Safvan
24	SHERIL SIYAS KP	Sheril	Sheril	Sheril	Sheril	Sheril	Sheril
25	SHIBILU RAHMAN	Shibilu	Shibilu	Shibilu	Shibilu	Shibilu	Shibilu
26	GOPIKA A P	Gopika	Gopika	Gopika	Gopika	Gopika	Gopika

Roll No.	Name	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
27	MUFEEDA M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	Riya hanna M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29	SHAMANA SHAREEF VP	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	SNEHA K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31	SURAJA P P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	ADHISANKAR C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	ADIL RAHMAN K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	ADNAN K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	AFLAH SHADHIL K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	Faad sarin km	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	MOHAMMED FAHEEM K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	MOHAMMED SALIH CC	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	MUHAMMED HISHAM A K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	Muhammed said Alfab pv	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	MUHAMMED SHAHAM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
42	MUHAMMED SHAMIL	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43	MUHAMMED SHAN N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44	RASLAN MOHAMED M T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45	Sidan khalid M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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DEPARTMENT OF B.VOC
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY

CERTIFICATE

This is to certify that Ms./Mr. **GOPIKA A.P**

has successfully completed "Certificate Course in Accounting Technician" during the year 2022-23

[Signature]
CO-ORDINATOR

[Signature]
HEAD OF THE DEPARTMENT

DATE: 20-03-2023



EMEA

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

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CURRICULUM BASED ON

Certificate Course on

Accounting in Islamic Financial Institutions

**Department of Vocational Education
Islamic Finance**

2022-23

(Course Code: BVIF22)

SUMMARY REPORT



DEPARTMENT OF B.VOC ISLAMIC FINANCE
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY



Certificate course on
**ACCOUNTING IN
ISLAMIC FINANCIAL
INSTITUTIONS**



Faculties

You will get all the best
accounting knowledge

- ✓ **Anfas C N**
- ✓ **Muhammed Roshan P A**
- ✓ **Moideen Shafeeque**
- ✓ **Munavvar Jasim**

Feb. 27 - Mar. 17

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
DEPARTMENT OF ISLAMIC FINANCE

Course Name: **Certificate Course in Accounting in Islamic Financial Institutions**

Admission procedure: **Admission to the course shall be made on merit basis and as per Rules and Regulations of EMEA College, Kondotty.**

Eligibility: **First Year Degree students of EMEA College**

The Duration of Study: **The curriculum of study for the Certified Course shall be 40 hours, and shall be During the First half of the Academic Year.**

PROGRAMME STRUCTURE

- A) Four Module
- B) Theoretical and Practical
- C) 60% Attendance is Compulsory for Attending Examination.
- D) Lecturing Time 3.00 to 4.30, special days (holidays)
- E) The medium of instruction and examination shall be English
- F) Examination Conducted After the Completion of 30 Hours Lecturing, Practical sections
- G) Examination out of 50 marks it includes 40 from External and 10 from Internal after the End of the course. The evaluation scheme for each course shall contain two parts:
 - 1) Internal assessment, 2) External examination
- H) External viva-voce shall be conducted along with the examination.
- I) Mode of examination is MCQ (Multiple Choice Questions)

Purpose of the Course

To expertise in the field of accounting especially for Islamic banking industry which has a growing demand for recent years. The college will organize special training sessions to help the students with developing analytical skills and offer a solid grounding in all aspects of accounting. This course is a general program providing a broad overview of the numerous career options available to students

Objectives of the Course

1. To aware the students about need and importance of accounting in Islamic perspective as well as the Islamic Accounting Principles
2. To enable the students with rules and regulations of Islamic Accounting standards with methods and practices.
3. To practice the accounting for Zakath

SYLLABUS

Module I: Introduction to Islamic Accounting- Basic principles of Islamic Accounting, Sources and Objectives, basic terms of Islamic accounting, Conventional v/s Islamic accounting.

Module II: The Need for Islamic Accounting Standards – AAOIFI Standards in Islamic Financial Institutions: Shariah standards & Accounting standards– Corporate Governance in Islamic Financial Institutions

Module III: Islamic Accounting and Practices - Financial reporting for Islamic financial institutions - Islamic Deposit Accounts, Al Wadi'ah (Current and Saving Accounts), Mudharabah (Saving Account)

Module IV: Accounting for Mudharabah Financing, Musharakah, Murabahah, Ijarah, Investment in Islamic securities – Zakath accounting on business wealth and financial assets.

Exam marks	90% and Above	A+
	89 % to 80%	A
	79 % to 70%	B+
	69% to 60%	B
	59% to 50%	C+
	49% to 40 %	C
Below 40%		Reappear

ADMISSION REGISTER

SL. NO.	Name of Student	Program	Year	Admission No.	Signature
1	FATHIMA RIDHA K	1 st year B.Voc Islamic Finance	2022-23	22BVIF015	
2	MUHSINA P A	1 st year B.Voc Islamic Finance	2022-23	22BVIF135	
3	NASLA SHERIN C	1 st year B.Voc Islamic Finance	2022-23	22BVIF144	
4	NOORBINA T P	1 st year B.Voc Islamic Finance	2022-23	22BVIF094	
5	RIZA P V	1 st year B.Voc Islamic Finance	2022-23	22BVIF126	
6	ABDUL SHAMIL CM	1 st year B.Voc Islamic Finance	2022-23	22BVIF106	
7	AL AMEEN RM	1 st year B.Voc Islamic Finance	2022-23	22BVIF085	
7	MOHAMMED AJNAS CT	1 st year B.Voc Islamic Finance	2022-23	22BVIF081	
8	MOHAMMED ASHIF K	1 st year B.Voc Islamic Finance	2022-23	22BVIF032	
9	MOHAMMED RASAL P	1 st year B.Voc Islamic Finance	2022-23	22BVIF087	
10	MUHAMMED ASHFAQ M K	1 st year B.Voc Islamic Finance	2022-23	22BVIF080	
11	MUHAMMED FARISH.M	1 st year B.Voc Islamic Finance	2022-23	22BVIF107	
12	MOHAMMED FASIL A P	1 st year B.Voc Islamic Finance	2022-23	22BVIF147	
13	MUHAMMED JABIR K.P	1 st year B.Voc Islamic Finance	2022-23	22BVIF033	
14	MUHAMMED SHAMIL P V	1 st year B.Voc Islamic Finance	2022-23	22BVIF095	
15	MUHAMMED SINAN T P	1 st year B.Voc	2022-23	22BVIF140	

		Islamic Finance			
16	SHIMLAL HANEEN C P	1 st year B.Voc Islamic Finance	2022-23	22BVIF039	
17	VALEED A K	1 st year B.Voc Islamic Finance	2022-23	22BVIF018	
18	DILNA DINU MT	1 st year B.Voc Islamic Finance	2022-23	22BVIF143	
19	FATHIMA RASA	1 st year B.Voc Islamic Finance	2022-23	22BVIF101	
20	ABDUL SHAHSEER K P	1 st year B.Voc Islamic Finance	2022-23	22BVIF111	
21	FUAADH SANIN P	1 st year B.Voc Islamic Finance	2022-23	22BVIF019	
22	MIDLAI P	1 st year B.Voc Islamic Finance	2022-23	22BVIF057	
23	MOHAMMAD ANAS P T	1 st year B.Voc Islamic Finance	2022-23	22BVIF134	
24	MOHAMMED FAYIS P P	1 st year B.Voc Islamic Finance	2022-23	22BVIF077	
25	MOHAMMED NEZAL K	1 st year B.Voc Islamic Finance	2022-23	22BVIF121	
26	MOHAMMED NISHAL M K	1 st year B.Voc Islamic Finance	2022-23	22BVIF086	
27	MUHAMMED SABEEH P K	1 st year B.Voc Islamic Finance	2022-23	22BVIF132	
28	MUHAMMED SHAMIL KP	1 st year B.Voc Islamic Finance	2022-23	22BVIF017	
29	MUHAMMED THANSEER K N	1 st year B.Voc Islamic Finance	2022-23	22BVIF064	
30	NASEEF KHALID M	1 st year B.Voc Islamic Finance	2022-23	22BVIF119	
31	NIYAS P	1 st year B.Voc Islamic Finance	2022-23	22BVIF122	
32	RISHAD M	1 st year B.Voc Islamic Finance	2022-23	22BVIF070	
33	SAD MUHAMMED SUDAIS	1 st year B.Voc Islamic Finance	2022-23	22BVIF012	
34	SALMANUL FARIZ BIN ABDULLA	1 st year B.Voc Islamic Finance	2022-23	22BVIF073	
35	SALMANULFARIZ N	1 st year B.Voc Islamic Finance	2022-23	22BVIF089	

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35.	SALMANULFARIZ N	1 st Year B.Voc Islamic Finance	2022-23	22BVIF089	

Faculties Holding the Subject

SL No	Faculty	Designation
1	Mr. ANFAS C N	AIWA College, Mongam
2	Mr. MUHAMMED ROSHAN P A	EMEA College, Kondotty
3	Mr. MOIDEEN SHAFEEQUE A	EMEA College, Kondotty
4	Mr. MUNAVAR JASIM P	EMEA College, Kondotty

CERTIFICATE COURSE IN ACCOUNTING ISLAMIC FINANCIAL INSTITUTIONS

2022-23

Examination held on March 2023

Multiple Choice Questions

Time: 1 Hour

Maximum: 40 Marks

- Which of the following is not a principle of Islamic banking?
 - Risk sharing
 - Prohibition of Riba
 - Partnership
 - Speculation
- Deposit contract in Islamic Banks
 - Musharaka
 - Gharar
 - Maysir
 - Falah
- In which country established first model of Islamic bank in 1950?
 - Soudi Arabia
 - Malysia
 - Pakistan
 - Qatar
- Which of the following that does not in Islamic bank?
 - Investment A/c
 - Current A/c
 - FD A/c
 - SB A/c

5. Mudharaba contract is used in
 - a) S/B & Current
 - b) Current
 - c) Investment
 - d) Investment & Current
6. In which country established Mit Ghamr Islamic Saving Bank?
 - a) Malaysia
 - b) Egypt
 - c) Pakistan
 - d) Qatar
7. Qard al Hasan may use in
 - a) Savings A/c
 - b) Current A/c
 - c) Investment
 - d) Investment & Current
8. Dubai Islamic Bank was established in
 - a) 1950
 - b) 1963
 - c) 1975
 - d) 1977
9. Which of the following is lease contract?
 - a) Istisna
 - b) Ijarah
 - c) Murabaha
 - d) Salam
10. Which of the following is mark-up sale?
 - a) Musharaka
 - b) Mudharabah
 - c) Murabaha
 - d) Salam
11. Islamic bank in Kuwait.
 - a) Faisal Islamic Bank
 - b) Kuwait Islamic Bank
 - c) Kuwait Finance House
 - d) Islamic Development Bank
12. Which of the organization for the supervision of Islamic Financial Institutions?
 - a) IFSB
 - b) ICIF
 - c) IFRS
 - d) ISDB
13. In which country established first model of Islamic bank in 1950?
 - a) Bahrain
 - b) Malaysia
 - c) Pakistan
 - d) Qatar
14. Which of the following is not a purpose of Value Based Intermediation?
 - a) Transparency
 - b) fairness
 - c) Good conduct
 - d) Profit margin
15. Expand CSR.
 - a) Corporate Social Research
 - b) Corporate Social Responsibility
 - c) Corporate Social Reform
 - d) Corporate Social Report
16. In which country established Mit Ghamr Islamic Saving Bank?
 - a) Malaysia
 - b) Egypt
 - c) Pakistan
 - d) Qatar
17. In which country established Rafidain Bank?
 - a) Sudan
 - b) Egypt
 - c) Iraq
 - d) Iran
18. Which of the following that is not a possible form of Islamic finance in India?
 - a) Cooperative society
 - b) Islamic Bank
 - c) Nidhies
 - d) NBFC
19. Which of the following is not a step involves in Shari'ah risk management?
 - a) Identification
 - b) Measurement
 - c) Monitoring
 - d) Review
20. Islamic Development Bank was established in _____
 - a) 1975
 - b) 1983
 - c) 1977
 - d) 1980



Karipur, Kerala, India

4WMR+HMG, Padinharathara, Karipur, Kerala 673647, India

Lat 11.134032°

Long 75.94175°

02/03/23 03:26 PM GMT +05:30

GPS Map Camera

22IF05

DEPARTMENT OF B.VOC
EMEA COLEGE OF ARTS AND SCIENCE, KONDOTTY

CERTIFICATE

This is to certify that Ms./Mr. **RIZA P.V**

.....

.....

has successfully completed the "Certificate Course in Accounting in Islamic Financial Institutions" during the year 2022-23


CO-ORDINATOR


HEAD OF THE DEPARTMENT

DATE: 20-03-2023



EMEA

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

P O Kumminiparamba – 673638
Malappuram Dist. Kerala-India

Ph: +91 483 2712030 | 2713530 | 2715020 | Fax: +91 483 2713530
Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

CURRICULUM BASED ON

Certificate Course On

Introduction to Logistics Management

Department of Vocational Education
Logistics Management

2022-23

(Course Code: BVLM22)

SUMMARY REPORT



**DEPARTMENT OF B.VOC LOGISTICS MANAGEMENT
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY**



Certificate course on
**INTRODUCTION TO
LOGISTICS
MANAGEMENT**



You will get all the best
logistics knowledge

Faculties

- ✓ **Althaf TK**
- ✓ **Munavvar Jasim**
- ✓ **Abdu Raheem VP**

Feb. 27 - Mar. 10

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
DEPARTMENT OF LOGISTICS MANAGEMENT

Course Name: **Certificate course in Introduction to Logistics management**

Admission procedure: Admission to the course shall be made on merit basis and as per Rules and Regulations of EMEA College, Kondotti.

Eligibility: First Year Degree students of EMEA College

The Duration of Study: The curriculum of study for the Certified Course shall be 40 hours, and shall be During the First half of the Academic Year.

PROGRAMME STRUCTURE

- A) Four Module
- B) Theoretical and Practical
- C) 60% Attendance is Compulsory for Attending Examination.
- D) Lecturing Time 3.30 to 4.30, special days (holidays)
- E) The medium of instruction and examination shall be English
- F) Examination Conducted After the Completion of 30 Hours Lecturing, Practical sections
- G) Examination out of 50 marks it includes 40 from External and 10 from Internal after the End of the course. The evaluation scheme for each course shall contain two parts:
 - 1) Internal assessment
 - 2) External examination
- H) External viva-voce shall be conducted along with the examination.
- I) Mode of examination is MCQ (Multiple Choice Questions)

Certificate course in Accounting Technician

Purpose of the Course

To meet the growing demands of corporate and groom into a complete human being, the institute is striving hard to Makes students industry ready and develop various skills for better professional opportunities.

The college will organize special training sessions to help the students with developing analytical skills and offer a solid grounding and professional competence in all aspects. This will help the students develop confidence and become better equipped to face the challenges of tomorrow. The workshop is a general program providing a broad overview of the numerous career options available to students.

Objectives:

- To enable the student to understand the basics of Logistics
- To understand the process of logistics in an organization
- To provide judicious mix of all skills relating to a profession and appropriate content of General Education.
- To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.

- To provide flexibility to the students by means of pre-defined entry and multiple exit points

SYLLABUS OF CERTIFICATE COURSE

Module – I

Logistics: Definition - History and Evolution –Objectives –Elements - activities importance
- The work of logistics - Logistics interface with marketing -Retails logistics.

15 Hours

Module –II

Logistics Management: Definition - Evolution of the concept - model – process - activities.
Achievement of competitive advantage through logistics Framework - Role of Logistics management -Integrated Logistics Management.

15Hours

Module –III

Logistics Strategy: Strategic role of logistics – Definition - Role of logistics managers in strategic decisions - Strategy options, Lean strategy, Agile Strategies & Other strategies - Designing & implementing logistical strategy -Emerging concept in logistics.

Exam marks	90% and Above	A+
	89 % to 80%	A
	79 % to 70%	B+
	69% to 60%	B
	59% to 50%	C+
	49% to 40 %	C
Below 40%		Reappear

Faculties Holding the Subject

SL No	Faculty	Designation
1	Mr. Althaf T.K	EMEA College, Kondotty
2	Mr. MUNAVAR JASIM P	EMEA College, Kondotty
3	Mr. Abdu Raheem VP	EMEA College, Kondotty

ADMISSION REGISTER

Roll No	Name	Program	Year	Admission No.	Signature
1	ANSHIDHA. N	B.voc Logistics Management	2022	22BVLS016	
2	FATHIMA FIDA PUTHAN MALIYAKKAL	B.voc Logistics Management	2022	22BVLS005	
3	FATHIMA LANA P A	B.voc Logistics Management	2022	22BVLS021	
4	FATHIMA RUSHDA	B.voc Logistics Management	2022	22BVLS123	

5	RISANA PARVI KOTTIYADAN	B.voc Logistics Management	2022	22BVLS009	
6	ASHIR AHMED VP	B.voc Logistics Management	2022	22BVLS054	
7	ASIF AMAN	B.voc Logistics Management	2022	22BVLS002	
8	ATHIF MOOTHEDAN	B.voc Logistics Management	2022	22BVLS026	
9	FADI MUHAMMED PC	B.voc Logistics Management	2022	22BVLS049	
10	FARHAN M	B.voc Logistics Management	2022	22BVLS128	
11	IRSHAD ALI P	B.voc Logistics Management	2022	22BVLS093	
12	MOHAMMED ADIL P	B.voc Logistics Management	2022	22BVLS136	
13	MOHAMMED ERSAD C	B.voc Logistics Management	2022	22BVLS112	
14	MOHAMMED IHSAN A.T	B.voc Logistics Management	2022	22BVLS138	
15	MOHAMMED JABIR T	B.voc Logistics Management	2022	22BVLS055	
16	MOHAMMED MIDLAJ	B.voc Logistics Management	2022	22BVLS069	
17	MOHAMMED SHANIL K	B.voc Logistics Management	2022	22BVLS120	
18	MOHAMMED SHANU P	B.voc Logistics Management	2022	22bvls046	
19	MUHAMMAD MAZIN	B.voc Logistics Management	2022	22BVLS108	
20	MUHAMMED AADIL VP	B.voc Logistics Management	2022	22BVLS109	
21	MUHAMMED ALSHED KK	B.voc Logistics Management	2022	22BVLS050	
22	MUHAMMED HARIS K	B.voc Logistics Management	2022	22BVLS052	
23	MUHAMMED IRFAN K	B.voc Logistics Management	2022	22BVLS071	
24	MUHAMMED MISHAL KT	B.voc Logistics Management	2022	22BVLS130	
25	MUHAMMED P	B.voc Logistics Management	2022	22BVLS004	
26	MUHAMMED P	B.voc Logistics Management	2022	22BVLS061	
27	MUHAMMED RAMSHID P	B.voc Logistics Management	2022	22BVLS053	
28	MUHAMMED SHAN OK	B.voc Logistics Management	2022	22BVLS141	
29	MUHAMMED SINAN KP	B.voc Logistics Management	2022	22BVLS145	
30	NIDAL KP	B.voc Logistics Management	2022	22BVLS022	
31	ROOHUL AMEEN UN	B.voc Logistics Management	2022	22BVLS043	
32	SAHAD K	B.voc Logistics Management	2022	22BVLS058	
33	SHAHIN KOONARI	B.voc Logistics Management	2022	22BVLS068	
34	NEHAL K	B.voc Logistics Management	2022	22BVLS003	
35	USNA CT	B.voc Logistics Management	2022	22BVLS115	
36	VRENDHA TK	B.voc Logistics Management	2022	22BVLS007	
37	ABHINAV.K	B.voc Logistics Management	2022	22BVLS152	
38	ABHINSHA BINSHAD K	B.voc Logistics Management	2022	22BVLS042	
39	JIBIN FAZEEB M	B.voc Logistics Management	2022	22BVLS072	
40	JISHNU BHARATH T	B.voc Logistics Management	2022	22BVLS037	
41	JOBISH P	B.voc Logistics Management	2022	22BVLS028	
42	MISBAH AK	B.voc Logistics Management	2022	22BVLS124	
43	MOHAMMED RIYAS A K	B.voc Logistics Management	2022	22BVLS045	

44	MUHAMMAD SHANID P	B.voc Logistics Management	2022	22BVLS076	
45	MUHAMMED ADIL T P	B.voc Logistics Management	2022	22BVLS044	
46	MUHAMMED FAWAS CK	B.voc Logistics Management	2022	22BVLS036	
47	MUHAMMED LEBEEB	B.voc Logistics Management	2022	22BVLS059	
48	MUHAMMED MAHMOOD P	B.voc Logistics Management	2022	22BVLS113	
49	MUHAMMED NABEEL A	B.voc Logistics Management	2022	22BVLS137	
50	MUHAMMED SIBIL M K	B.voc Logistics Management	2022	22BVLS088	
51	NIYASU RAHMAN P K	B.voc Logistics Management	2022	22BVLS040	
52	SAFDHAR P	B.voc Logistics Management	2022	22BVLS041	
53	SHADIL ROSHAN K	B.voc Logistics Management	2022	22BVLS020	
54	SHIBIL MINHAJ AP	B.voc Logistics Management	2022	22BVLS056	
55	SHINSH K	B.voc Logistics Management	2022	22BVLS011	
56	VAFI.M	B.voc Logistics Management	2022	22BVLS149	

ADMISSION REGISTER

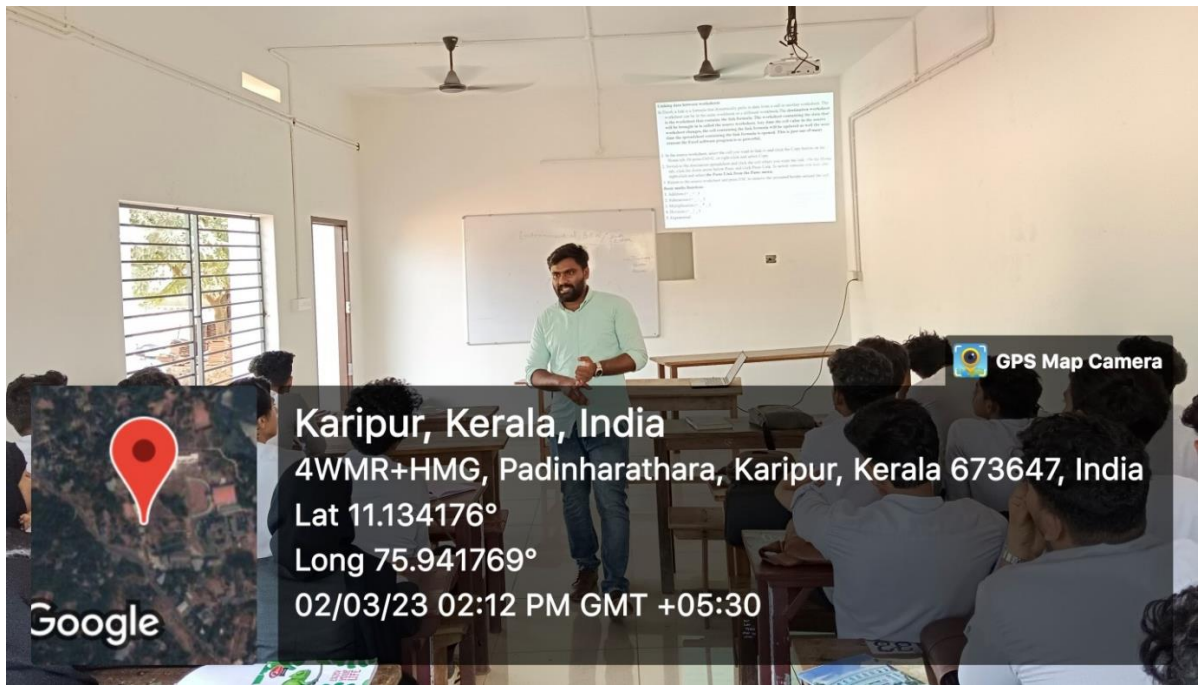
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46	MUHAMMED FAWAS CK	B.voc Logistics Management	2022	22BVLS036	[Signature]
47	MUHAMMED LEBEEB	B.voc Logistics Management	2022	22BVLS059	[Signature]
48	MUHAMMED MAHMOOD P	B.voc Logistics Management	2022	22BVLS113	[Signature]
49	MUHAMMED NABEEL A	B.voc Logistics Management	2022	22BVLS137	[Signature]
50	MUHAMMED SIBIL M K	B.voc Logistics Management	2022	22BVLS088	[Signature]
51	NIYASU RAHMAN P K	B.voc Logistics Management	2022	22BVLS040	[Signature]
52	SAFDHAR P	B.voc Logistics Management	2022	22BVLS041	[Signature]
53	SHADIL ROSHAN K	B.voc Logistics Management	2022	22BVLS020	[Signature]
54	SHIBIL MINHAJ AP	B.voc Logistics Management	2022	22BVLS056	[Signature]
55	SHINSH K	B.voc Logistics Management	2022	22BVLS011	[Signature]
56	VAFI.M	B.voc Logistics Management	2022	22BVLS149	[Signature]

ATTENDANCE SHEET

Roll No.	Name	ADMISSION NUMBER	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	ANSHIDHA. N	22BVLS016	<i>Ans</i>	<i>Ans</i>	<i>Ans</i>	<i>Ans</i>	<i>Ans</i>	<i>Ans</i>
2	FATHIMA FIDA PUTHAN MALIYAKKA L	22BVLS005	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>
3	FATHIMA LANA P A	22BVLS021	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>	<i>Fath</i>
4	Fathima Rushda	22BVLS123	<i>Rush</i>	<i>Rush</i>	<i>Rush</i>	<i>Rush</i>	<i>Rush</i>	<i>Rush</i>
5	RISANA PARVI KOTTIYADAN	22BVLS009	<i>Ris</i>	<i>Ris</i>	<i>Ris</i>	<i>Ris</i>	<i>Ris</i>	<i>Ris</i>
6	ASHIR AHMED VP	22BVLS054	<i>Ash</i>	<i>Ash</i>	<i>Ash</i>	<i>Ash</i>	<i>Ash</i>	<i>Ash</i>
7	ASIF AMAN	22BVLS002	<i>Asif</i>	<i>Asif</i>	<i>Asif</i>	<i>Asif</i>	<i>Asif</i>	<i>Asif</i>
8	ATHIF MOOTHEDAN	22BVLS026	<i>Athif</i>	<i>Athif</i>	<i>Athif</i>	<i>Athif</i>	<i>Athif</i>	<i>Athif</i>
9	Fadi Muhammed pc	22BVLS049	<i>Fadi</i>	<i>Fadi</i>	<i>Fadi</i>	<i>Fadi</i>	<i>Fadi</i>	<i>Fadi</i>
10	FARHAN M	22BVLS128	<i>Farhan</i>	<i>Farhan</i>	<i>Farhan</i>	<i>Farhan</i>	<i>Farhan</i>	<i>Farhan</i>
11	IRSHAD ALI P	22BVLS093	<i>Irshad</i>	<i>Irshad</i>	<i>Irshad</i>	<i>Irshad</i>	<i>Irshad</i>	<i>Irshad</i>
12	MOHAMMED ADIL P	22BVLS136	<i>Adil</i>	<i>Adil</i>	<i>Adil</i>	<i>Adil</i>	<i>Adil</i>	<i>Adil</i>
13	MOHAMMED ERSAD C	22BVLS112	<i>Ersad</i>	<i>Ersad</i>	<i>Ersad</i>	<i>Ersad</i>	<i>Ersad</i>	<i>Ersad</i>
14	MOHAMMED IHSAN A.T	22BVLS138	<i>Ihsan</i>	<i>Ihsan</i>	<i>Ihsan</i>	<i>Ihsan</i>	<i>Ihsan</i>	<i>Ihsan</i>
15	MOHAMMED JABIR T	22BVLS055	<i>Jabir</i>	<i>Jabir</i>	<i>Jabir</i>	<i>Jabir</i>	<i>Jabir</i>	<i>Jabir</i>
16	MOHAMMED MIDLAJ	22BVLS069	<i>Midlaj</i>	<i>Midlaj</i>	<i>Midlaj</i>	<i>Midlaj</i>	<i>Midlaj</i>	<i>Midlaj</i>
17	MOHAMMED SHANIL K	22BVLS120	<i>Shanil</i>	<i>Shanil</i>	<i>Shanil</i>	<i>Shanil</i>	<i>Shanil</i>	<i>Shanil</i>
18	Mohammed Shanu P	22BVLS046	<i>Shanu</i>	<i>Shanu</i>	<i>Shanu</i>	<i>Shanu</i>	<i>Shanu</i>	<i>Shanu</i>
19	Muhammad mazin	22BVLS108	<i>Mazin</i>	<i>Mazin</i>	<i>Mazin</i>	<i>Mazin</i>	<i>Mazin</i>	<i>Mazin</i>
20	MUHAMMED AADIL VP	22BVLS109	<i>Aadil</i>	<i>Aadil</i>	<i>Aadil</i>	<i>Aadil</i>	<i>Aadil</i>	<i>Aadil</i>
21	MUHAMMED ALSHED KK	22BVLS050	<i>Alshed</i>	<i>Alshed</i>	<i>Alshed</i>	<i>Alshed</i>	<i>Alshed</i>	<i>Alshed</i>
22	MUHAMMED HARIS K	22BVLS052	<i>Haris</i>	<i>Haris</i>	<i>Haris</i>	<i>Haris</i>	<i>Haris</i>	<i>Haris</i>
23	MUHAMMED IRFAN K	22BVLS071	<i>Irfan</i>	<i>Irfan</i>	<i>Irfan</i>	<i>Irfan</i>	<i>Irfan</i>	<i>Irfan</i>
24	Muhammed mishaal kt	22BVLS130	<i>Mishaal</i>	<i>Mishaal</i>	<i>Mishaal</i>	<i>Mishaal</i>	<i>Mishaal</i>	<i>Mishaal</i>
25	MUHAMMED P	22BVLS004	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>
26	MUHAMMED P	22BVLS061	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>
27	MUHAMMED RAMSHID P	22BVLS053	<i>Ramshid</i>	<i>Ramshid</i>	<i>Ramshid</i>	<i>Ramshid</i>	<i>Ramshid</i>	<i>Ramshid</i>
28	Muhammed	22BVLS141	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>	<i>Muhammed</i>

	shan ok							
	muhammed	22BVLS145	sh	sh	sh	sh	sh	sh
29	sinan kp	22BVLS022	Nidal	Nidal	Nidal	Nidal	Nidal	Nidal
30	NIDAL KP	22BVLS043	P.	P.	P.	P.	P.	P.
31	ROOHUL	22BVLS058	sh	sh	sh	sh	sh	sh
32	AMEEN UN	22BVLS068	Shahin	Shahin	Shahin	Shahin	Shahin	Shahin
33	SAHAD K	22BVLS003	Nahal	Nahal	Nahal	Nahal	Nahal	Nahal
34	SHAHIN	22BVLS115	sh	sh	sh	sh	sh	sh
35	KOONARI	22BVLS007	sh	sh	sh	sh	sh	sh
36	NEHAL K	22BVLS152	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav
37	usna ct	22BVLS042	P.	P.	P.	P.	P.	P.
38	VRENDHA TK	22BVLS072	Jibin	Jibin	Jibin	Jibin	Jibin	Jibin
39	Abhinav.k	22BVLS037	sh	sh	sh	sh	sh	sh
40	ABHINSHA	22BVLS028	sh	sh	sh	sh	sh	sh
41	BINSHAD K	22BVLS124	Misbah	Misbah	Misbah	Misbah	Misbah	Misbah
42	JIBIN FAZEEB	22BVLS045	R.	R.	R.	R.	R.	R.
43	M M	22BVLS076	Sh.S.	Sh.S.	Sh.S.	Sh.S.	Sh.S.	Sh.S.
44	JISHNU	22BVLS044	sh	sh	sh	sh	sh	sh
45	BHARATH T	22BVLS036	F.K.	F.K.	F.K.	F.K.	F.K.	F.K.
46	JOBISH P	22BVLS059	Lalab	Lalab	Lalab	Lalab	Lalab	Lalab
47	MISBAH AK	22BVLS113	Murp	Murp	Murp	Murp	Murp	Murp
48	MOHAMMED	22BVLS137	sh	sh	sh	sh	sh	sh
49	RIYAS A K	22BVLS088	sh	sh	sh	sh	sh	sh
50	MUHAMMAD	22BVLS040	sh	sh	sh	sh	sh	sh
51	SHANID P	22BVLS041	sh	sh	sh	sh	sh	sh
52	MUHAMMED	22BVLS020	Shahin	Shahin	Shahin	Shahin	Shahin	Shahin
53	ADIL T P	22BVLS056	Shahin	Shahin	Shahin	Shahin	Shahin	Shahin
54	MUHAMMED	22BVLS011	sh	sh	sh	sh	sh	sh
55	FAWAS CK	22BVLS149	sh	sh	sh	sh	sh	sh
56	MUHAMMED							
57	LEBEEB							
58	MUHAMMED							
59	MAHMOOD P							
60	MUHAMMED							
61	NABEEL A							
62	MUHAMMED							
63	SIBIL M K							
64	NIYASU							
65	RAHMAN P K							
66	SAFDHAR P							
67	SHADIL							
68	ROSHAN K							
69	SHIBIL							
70	MINHAJ AP							
71	SHINSH K							
72	vafi.M							



22LOG05

DEPARTMENT OF B.VOC
EMEA COLEGE OF ARTS AND SCIENCE, KONDOTTY

CERTIFICATE

This is to certify that Ms./Mr.RISANA PARVI KOTTIYADAN.....

.....
.....
has successfully completed "Certificate Course on Introduction to
Logistics Management" during the year 2022-23


CO-ORDINATOR


HEAD OF THE DEPARTMENT

DATE: **20-03-2023**



**E M E A COLLEGE OF ARTS AND SCIENCE, KONDOTTY.
DEPARTMENT OF BUSINES ADMINISTRATION**

Curriculum Based on
CERTIFICATE COURSE IN
BASICS OF TOURISM MANAGEMENT

Summary Report

2022-2023
(Code: BBACCL22)



EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY
Re-accredited with 'A' grade by NAAC
(Aided, Affiliated to University of Calicut)
Kondotty, PO. Kumminiparamba, Malappuram District 673638

REGULATION & SYLLABUS

1.0 Title of the Course:

BBACCL22 – BASICS OF TOURISM MANAGEMENT

2.0 Duration of the Course:

Duration of certificate course is *35 Hours*.

3.0 Medium of Instruction:

The medium of instruction and examination shall be *English*

4.0 Areas of Study:

The total course is divided into:-

- (i) Introduction to tourism and tourist
- (ii) Types of tourism
- (iii) Role of transport in tourism
- (iv) Tourist accommodation

4.1 Details of areas of study: -

Unit I – Tourism Concept & Attraction

Introduction to tourism and tourist- Features of tourism – Socio-Economic and Environmental impacts of tourism - Elements of tourism: Attraction, Accommodation, Accessibility and Amenities.

(10 Hours)

Unit II – Tourist Transport and Travel Agency

Role of transport in tourism - Road, rail, water, and air transport – Role of Railways in tourism - Indian Railways and tourism - Major tourist trains in India - Major airlines in India - An overview of ticketing -Concepts of cruises and Car rental. Travel Agency: Functions and Types of travel agency- Package tour.

(10 Hours)

Unit III – Tourist Accommodation

Concept of hotel - Role of hotel in tourism - Classification of hotels - Star rating of hotels – Major hotel chains in India- Organizational structure and chart of a major hotel

(10 Hours)

Unit IV – Types of tourism

Classification of tourists. Inventory of tourist attraction- Tourist attractions in Kerala – Majour Hill and Beach Resorts in India- Wildlife and cultural tourist centres in India

(5 Hours)

References

- 1.A.K Bhatia, International Tourism, Sterling Publishers
2. P.C. Sinha, Tourism Marketing, Anmol publishers
- 3.Ratandeep Singh, Infrastructre of Tourism in India, Kaniska
4. Ratandeep Singh, Tourism Marketing , Kaniska
- 5.Acharya Ram, Tourism and Cultural Heritage of India, ROSA Publication
6. Kishan K.Kamra, Managing Tourist destination, Kanishka

Course Prospectus

The department of Business Administration conducts value add certification programme for its students. These programme are offered with an objective of improve tourism management skill and attributes that enhance the overall development of students. These programmes are delivered by highly accomplished faculty. These programme offered to students as value addition beyond the curriculum. This programme is focusing on developing e-commerce skill among students.

Name of the course	:	BASICS OF TOURISAM MANAGEMENT
Course code	:	BBACCL2022
Starting date	:	04.01.2023
Duration	:	50 HOURS
Course coordinator	:	FABISHA P P

Objectives of the Course:

- To give the students a broad overview of the basic concepts of tourism
- Management and to help them to make use of the opportunities in tourism sector

Outcomes of the course:

On completing the course students will be able to know about the significance of tourism development and the role of transport, hotel and travel agencies in developing tourism.

Course structure:

This course structure contains total four modules. After completing the four modules, students get basics in tourism management

**DEPARTMENT OF BUSINESS
ADMINISTRATION**

Presents...

'Certificate Course in Basics of Tourism Management'

04-01-2023 | 10:00 am

INAUGURATION

MR. ASIF N

Head of The Department of
Business Administration

TEACHER CO ORDINATOR

FABISHA. PP



EMEA College Of Arts and Science
Kondotty, Malappuram
Re-accredited with 'A' Grade by NAAC

EMEA College of Arts and Science

Department of Business Administration

CERTIFICATE COURSE IN

BASICS OF TOURISM MANAGEMENT

ENROLMENT REGISTER 2022-2023

S.NO	NAME OF STUDENT	GENDER	SIGN	CLASS
1	ADHIRA C T	Female		III Year BBA
2	AHSANA MARIYAM ABDUL SHUKOOR P E	Female		III Year BBA
3	ANEENA K T	Female		III Year BBA
4	FATHIMA SAFA P K	Female		III Year BBA
5	FIDHA PP	Female		III Year BBA
6	HARSHIDHA P	Female		III Year BBA
7	HIBA V	Female		III Year BBA
8	SHIFANA MALOL	Female		III Year BBA
9	ABDUL RAHIMAN MOHAMMED ISMAIL	Male		III Year BBA
10	AHAMMED YAMIL K	Male		III Year BBA
11	AMIL AHAMMED	Male		III Year BBA
12	FARSHAD V	Male		III Year BBA
13	MOHAMMED ANFAL V	Male		III Year BBA
14	MOHAMMED FAVAZ P	Male		III Year BBA
15	MOHAMMED NISHAM K	Male		III Year BBA
16	MOHAMMED RASIQUE KP	Male		III Year BBA
17	MOHAMMED SHAJAHAN KV	Male		III Year BBA
18	MOHAMMED YUNUS I	Male		III Year BBA

19	MUHAMMED NABEEL A	Male		III Year BBA
20	NASEH MOIDHEEN M	Male		III Year BBA
21	SHAMHAN	Male		III Year BBA
22	ARSHIDA P	Female		III Year BBA
23	FATHIMA RIYA	Female		III Year BBA
24	FATHIMA SHAHBA K M	Female		III Year BBA
25	HANEENA	Female		III Year BBA
26	JASEEMA JUMNA M	Female		III Year BBA
27	MARIYATHUL KIBTHIYYA K	Female		III Year BBA
28	NASLA NASNIN	Female		III Year BBA
29	RANIA ABDUL JALEEL	Female		III Year BBA
30	AKTHAM HABEEB SAMAD	Male		III Year BBA
31	DONY JOSEPH	Male		III Year BBA
32	FARSIN BIN BASHEER P A	Male		III Year BBA
33	MOHAMMED FARSIN C P	Male		III Year BBA
34	MOHAMMED NIYAS	Male		III Year BBA
35	MOHAMMED SABIL K P	Male		III Year BBA
36	MUHAMMED ABIL C	Male		III Year BBA
37	MUHAMMED SHANIF N K	Male		III Year BBA
38	MUHAMMED SHIBILI KP	Male		III Year BBA
39	MUHAMMED SHIDHAN M V	Male		III Year BBA
40	SAYED MUHAMMED ALI HISHAM SHIHAB	Male		III Year BBA
41	SHAHIL P K	Male		III Year BBA
42	SHIBIL MOHAMMED KK	Male		III Year BBA

43	ANUSREE C K	Female	A	III Year BBA
44	ARATHI P	Female	Anusha	III Year BBA
45	REBINA PRAKASH CK	Female	R	III Year BBA
46	ABDULLA FAZAL MK	Male	ABD	III Year BBA
47	ADNAN ABDUL HAMEED E K	Male	Adnan	III Year BBA
48	AHAMMAD ABDULLA NOUFAL M K	Male	Novel	III Year BBA
49	AHMED SAFWAN	Male	Safwan	III Year BBA
50	ASLAM P	Male	Aslam	III Year BBA
51	KAMARUDHEEN AVAYIL	Male	Kamran	III Year BBA
52	MOHAMMED RAYYAN P D	Male	Rayyan	III Year BBA
53	MOHAMMED SUHAIL V P	Male	Sul	III Year BBA
54	MUHAMMED DILSHAD M V	Male	Dilshad	III Year BBA
55	MUHAMMED MINHAJ K	Male	Minhaj	III Year BBA
56	MUHAMMED HAJMAL M P	Male	Hajmal	III Year BBA
57	MUHAMMED JASSIM POOKKADAN	Male	Jasim	III Year BBA
58	MUHAMMED MINHAJ	Male	M	III Year BBA
59	MUHAMMED SAHAL T K	Male	Sahal	III Year BBA
60	MUHAMMED SHENFEER E	Male	Shenfeer	III Year BBA
61	MURSHID ILYAS P	Male	Murshid	III Year BBA
62	NIHAL ALI MOHYUDHEEN EK	Male	Nihal	III Year BBA
63	SALMANUL FARIS K P	Male	Salman	III Year BBA
64	SAMI ARSHEK SHAH	Male	Sami	III Year BBA
65	SHAHIN ARSHEK SHAH	Male	Shahin	III Year BBA

ATTENDANCE FROM JANUARY 2023 TO MARCH 2023

Sl no	Name	January					February							March							
		04-01-23	05-01-23	12-01-23	20-01-23	27-01-23	08-02-23	14-02-23	17-02-23	20-02-23	21-02-23	24-02-23	27-02-23	06-03-23	13-03-23	15-03-23	17-03-23	20-03-23	24-03-23	27-03-23	29-03-23
1	ADHIRA C T	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
2	AHSANA MARIYAM ABDUL SHUKOOR P E	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
3	ANEENA K T	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	FATHIMA SAFA P K	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
5	FIDHA PP	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	HARSHIDHA P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
7	HIBA V	P	P	A	P	A	P	P	P	P	P	A	A	A	A	A	A	A	A	A	A
8	SHIFANA MALOL	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
9	ABDUL RAHIMAN MOHAMMED ISMAIL	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	AHAMMED YAMIL K	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P
11	AMIL AHAMMED	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
12	FARSHAD V	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
13	MOHAMMED ANFAL V	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
14	MOHAMMED FAVAZ P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	MOHAMMED NISHAM K	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
16	MOHAMMED RASIQUE KP	A	A	P	A	A	A	A	A	P	A	A	A	A	A	A	P	A	A	A	A
17	MOHAMMED SHAJAHAN KV	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	MOHAMMED YUNUS I	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
19	MUHAMMED NABEEL A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
20	NASEH MOIDHEEN M	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
21	SHAMHAN	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
22	ARSHIDA P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	FATHIMA RIYA	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	FATHIMA SHAHBA K M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	HANEENA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
26	JASEEMA JUMNA M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
27	MARIYATHUL KIBTHIYYA K	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	NASLA NASNIN	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	RANIA ABDUL JALEEL	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	AKTHAM HABEEB SAMAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	DONY JOSEPH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	FARSIN BIN BASHEER P A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	MOHAMMED FARSIN C P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	MOHAMMED NIYAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	MOHAMMED SABIL K P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
36	MUHAMMED ABIL C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	MUHAMMED SHANIF N K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	MUHAMMED SHIBILI KP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	MUHAMMED SHIDHAN M V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	SAYED MUHAMMED ALI HISHAM SHIHAB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	SHAHIL P K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P

MARK LIST

SI NO:	NAME OF STUDENT	MARK
1	ADHIRA C T	18
2	AHSANA MARIYAM ABDUL SHUKOOR P E	19
3	ANEENA K T	17
4	FATHIMA SAFA P K	19
5	FIDHA PP	20
6	HARSHIDHA P	18
7	HIBA V	17
8	SHIFANA MALOL	16
9	ABDUL RAHIMAN MOHAMMED ISMAIL	17
10	AHAMMED YAMIL K	18
11	AMIL AHAMMED	19
12	FARSHAD V	18
13	MOHAMMED ANFAL V	20
14	MOHAMMED FAVAZ P	20
15	MOHAMMED NISHAM K	19
16	MOHAMMED RASIQUE KP	3
17	MOHAMMED SHAJAHAN KV	16
18	MOHAMMED YUNUS I	18
19	MUHAMMED NABEEL A	19
20	NASEH MOIDHEEN M	17
21	SHAMHAN	19
22	ARSHIDA P	16
23	FATHIMA RIYA	19
24	FATHIMA SHAHBA K M	18
25	HANEENA	10
26	JASEEMA JUMNA M	17
27	MARIYATHUL KIBTHIYYA K	18
28	NASLA NASNIN	16
29	RANIA ABDUL JALEEL	18
30	AKTHAM HABEEB SAMAD	15
31	DONY JOSEPH	17

32	FARSIN BIN BASHEER P A	18
33	MOHAMMED FARSIN C P	15
34	MOHAMMED NIYAS	17
35	MOHAMMED SABIL K P	18
36	MUHAMMED ABIL C	19
37	MUHAMMED SHANIF N K	18
38	MUHAMMED SHIBILI KP	15
39	MUHAMMED SHIDHAN M V	19
40	SAYED MUHAMMED ALI HISHAM SHIHAB	16
41	SHAHIL P K	18
42	SHIBIL MOHAMMED KK	15
43	ANUSREE C K	18
44	ARATHI P	20
45	REBINA PRAKASH CK	19
46	ABDULLA FAZAL MK	18
47	ADNAN ABDUL HAMEED E K	15
48	AHAMMAD ABDULLA NOUFAL M K	16
49	AHMED SAFWAN	19
50	ASLAM P	19
51	KAMARUDHEEN AVAYIL	19
52	MOHAMMED RAYYAN P D	18
53	MOHAMMED SUHAIL V P	19
54	MUHAMMED DILSHAD M V	20
55	MUHAMMED MINHAJ K	19
56	MUHAMMED HAJMAL M P	18
57	MUHAMMED JASSIM POOKKADAN	16
58	MUHAMMED MINHAJ	15
59	MUHAMMED SAHAL T K	18
60	MUHAMMED SHENFEER E	18
61	MURSHID ILYAS P	17
62	NIHAL ALI MOHYUDHEEN EK	16
63	SALMANUL FARIS K P	15
64	SAMI ARSHEK SHAH	19
65	SHAHIN ARSHEK SHAH	20

REPORT

The Department of Business Administration provides a certificate course every year. 'Basics of tourism management' is given in the year of 2022-23. The aim of this course is to provide the students an idea of tourism and its related terms. This course structure contains total four modules. After completing the modules, students get tourism management process and an idea of the term tourism. It is provided as a 3-month course starting from 4 January 2023 to march of the same year. These programme are offered with an objective basics in tourism management and attributes that enhance the overall development of students. These programmes are delivered by highly accomplished faculty. These programme offered to students as value addition beyond the curriculum. This programme is focusing on developing basic tourism skill among students. 65 students has been enrolled in the course and all of them successfully completed this course. An examination conducted to evaluate and assess the knowledge of students at the end of the course. Majority of the students scored high marks in the examination and a certificate has been provided to those who successfully completed the course.

DEPARTMENT OF BUSINESS ADMINISTRATION
EMEA COLLEGE OF ARTS AND SCIENCE - KONDOTTY

Aided by Govt. of Kerala | Affiliated by the University of Calicut | Re-accredited with 'A' Grade by NAAC



CERTIFICATE

This is to certify that Ms/Mr. Fathima Safa PK.....
.....has
successfully completed the Certificate Course titled "**Certificate Course in Basics of
Tourism Management**" conducted by Department of Business Administration, EMEA
College of Arts and Science, Kondotty during the period of....2022-23.....


Co ordinator

Date :


Head of the Dept. of Business Administration,
EMEA College of Arts & Science
Kondotty


Co ordinator, IQAC

Co-ordinator
Internal Quality Assurance Cell (IQAC)
EMEA College of Arts and Science
Kondotti, Kumminiparamba PO
Malappuram Dt. 673 638


Principal

PRINCIPAL
EMEA COLLEGE OF ARTS
& SCIENCE, KONDOTTY
MALAPPURAM DT. 673 638

CERTIFICATE COURSE

IN

BIOFERTILIZER TECHNOLOGY (CODE: BTCC2223)

SUMMARY REPORT

2022-2023

Conducted By



DEPARTMENT OF BIOTECHNOLOGY EMEA COLLEGE OF ARTS AND SCIENCE

Re-accredited with 'A' grade by NAAC
(Aided, affiliated to University of Calicut)
KONDOTTY, P.O. KUMMINIPARAMBA
MALAPPURAM (DIST), PIN. 673 638

Dr. Mashboor K.
Assistant Professor and Head
Dept. of Biotechnology
EMEA College of Arts and Science
Kondotty, Kerala, 673638

REPORT

By supplying primary nutrients to the host plant, bio-fertilizers colonize the rhizosphere or the interior of the plant and promote growth by colonizing the rhizosphere or the interior of the plant. Biofertilizers add nutrients through the natural processes of nitrogen fixation, solubilising phosphorus and stimulating plant growth through the synthesis of growth promoting substances.

A direct correlation exists between food demand and population growth. As the global population continues to grow, food production will have to scale up to meet the growing demand. Moreover, over time arable land has lost its naturally endowed nutrients, so alternative measures such as fertilizers, pesticides, and herbicides are used to strengthen the soil and increase production. As efforts are being made to meet this food demand and ensure food security, it is equally important to ensure food safety for consumption. One of the fundamental measures is the use of biofertilizers or plant growth promoters instead of chemical or synthesized fertilizers, pesticides, and herbicides that pose several dangers to human and animal health. Biofertilizers competitively colonize plant root systems, which, in turn, enhance nutrient uptake, increase productivity and crop yield, improve plants' tolerance to stress. One of the fundamental measures is the use of biofertilizers or plant growth promoters instead of chemical or synthesized fertilizers, pesticides, and herbicides that pose several dangers to human and animal health. Biofertilizers competitively colonize plant root systems, which, in turn, enhance nutrient uptake, increase productivity and crop yield, improve plants' tolerance to stress, and their resistance to pathogens, and improve plant growth through mechanisms such as the mobilization of essential elements, nutrients, and plant growth hormones. Biofertilizers are cost-effective and ecofriendly in nature, and their continuous usage enhances soil fertility. They also increase crop yield by up to about 10–40% by increasing protein contents, essential amino acids, and vitamins, and by nitrogen fixation. biofertilizers and the mechanisms by which they elicit their function to enhance crop yield to meet food demand. Hence the study of biofertilizer technology is

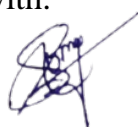
very much important in the current scenarios' their resistance to pathogens, and improve plant growth through mechanisms such as the mobilization of essential elements, nutrients, and plant growth hormones. Bio fertilizers are cost-effective and eco-friendly in nature and their continuous usage enhances soil fertility. They also increase crop yield by up to about 10–40% by increasing protein contents, essential amino acids, and vitamins, and by nitrogen fixation. Biofertilizers and the mechanisms by which they elicit their function to enhance crop yield to meet food demand. Hence the study of biofertilizer technology is very much important in the current scenario.

Keeping all this in regard, The Department of Biotechnology staff council held on 28.11.2022 had decided to conduct a certificate course on Biofertilizer technology. The meeting unanimously elected Dr. Somy Soman as the co-ordinator of the programme. The syllabus for the programme was framed for 30-hour duration of theory and practical sessions. Applications were invited from final year students. 40 students enrolled for the course. Classes got started on online and offline mode.

Dr. Mashhoor.K (Department Head), Dr. Somy Soman, Ms. ShillyDas, Ms. Rameesa.K (Assistant Professors, Department of Biotechnology) was acted as the resource persons of the programme. As soon as the classes got completed an exam was conducted for 40 marks time duration provided was 20 minutes. 50% score was the cut-off of the examination. The certificates were issued to the candidates who cleared the course.

Supporting documents are attached herewith.

Dr. Somy Soman (course co-ordinator)



Dr. Mashhoor K.
Assistant Professor and Head
Dept. of Biotechnology
EMEA College of Arts and Science
Kondotty, Kerala, 673638

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE
COURSE IN
**BIOFERTILIZER
TECHNOLOGY**
(BTCC2023)

**Register
Now!**

Duration : 30 Hrs
Commencement: 30 November 2022

Contact: **Dr. Somy Soman**

(Assistant Professor, Department of Biotechnology)

Mob. 9645 099 053



INTERNAL QUALITY ASSURANCE CELL
EMEA College of Arts and Science, Kondotti

Reaccredited with 'A' grade by NAAC

Flyer

CURRICULUM

**DEPARTMENT OF BIOTECHNOLOGY
EMEA COLLEGE OF ARTS AND SCIENCE**

CERTIFICATE COURSE SYLLABUS- 2022-2023

PAPER NAME: BTCC2223-BIOFERTILIZER TECHNOLOGY

(30 Hours)

The purpose of this certificate course is to prepare the students for a career in biofertilization technology and also teaches the students to apply this knowledge to one's own farming operations

About the course: A Biofertilizer aims to produce good-quality organic fertilizers and other products that can be used for pest control.

Eligibility: Final year BSc Biotechnology students of the college.

Learning Objectives:

- ❖ To understand the importance of bio fertilizers
- ❖ To provide an overview of isolation, identification and mass multiplication of Biofertilizers.
- ❖ To realize the importance of mycorrhizae and its field application
- ❖ To understand the methodology of vermicomposting

Expected outcome:

On completion of this course students would be able to identify and get involve in the mass production of bio fertilizers and they will get to know on the benefits of organic farming. This may also put a light on the path to become an entrepreneur.

SYLLABUS

MODULE I Biofertilizer -Definition, Classification, characteristics of bio fertilizer Advantages and importance. Symbiotic Nitrogen, fixers: Rhizobium Asymbiotic nitrogen fixers: Azobacter, Azospirillum, Azolla, phosphate solubilizing bacteria: mycorrhizae (6 hrs.)

MODULE II Production technology: Mass production of different bio fertilizers, Rhizobium: Isolation and characterization, production and Types. Azolla: Isolation, characterization, and mass production. Role of Azolla in rice cultivation as a bio fertilizer. (9 hrs.)

MODULE III Mycorrhizae: Types, characteristics of Ectomycorrhizae, Endomycorrhizae, Ectendomycorrhizae, VAM Fungi, Isolation and mass production of VAM. Role of Mycorrhizae in agriculture and forestry. (7 hrs.)

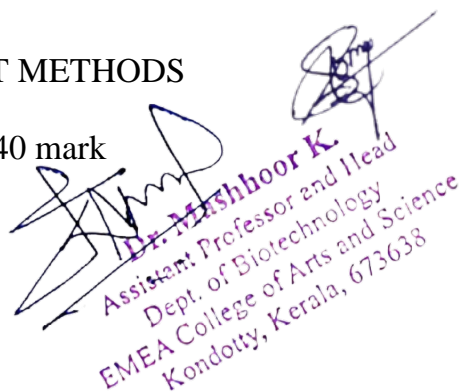
MODULE IV Organic farming: Definition, Advantages, Green manuring, bio composting-advantages, solid waste treatment by composting, vermicomposting production technology -preparation and harvesting, significance of vermicomposting. Field application-application of bio fertilizers to nursery plant. (8 hrs.)

REFERENCES:

1. Dubey RC, 2005, A text Book of Biotechnology Chand & Co, New Delhi.
2. Jogdand, G.N, 1995. EBT, Himalaya publishing House.
3. EBT: Basic Concepts and Application: Indushekhar Thakur (2006). I.K. International Publications.
4. T. Srinivas. 2008, New Age International (P) Ltd. Publishers.

ASSESSMENT METHODS

Examination : 40 mark



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DETAILS OF FACULTIES



Dr. Somy Soman, MSc, MPhil, PhD

(Course co-ordinator)

Assistant Professor

Department of Biotechnology

EMEA College of Arts and Science

Kondotty



Dr. Mashhoor K, MSc, PhD, UGC-CSIR NET

Assistant Professor and Head

Department of Biotechnology

EMEA College of Arts and Science

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Ms. Shillydas A, MSc, MPhil, BEd

Assistant Professor

Department of Biotechnology

EMEA College of Arts and Science

Kondotty



Ms. Rameesa K, MSc, MPhil, BEd

Assistant Professor

Department of Biotechnology


EMEA College of Arts and Science

Kondotty

ENROLMENT REGISTER

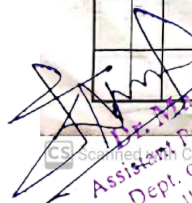
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1.	23BTCC 01	DISNA FINCY P K	III BSc BT
2.	23BTCC 02	FATHIMA RIDA	III BSc BT
3.	23BTCC 03	FATHIMA T	III BSc BT
4.	23BTCC 04	LIJUVANA.P.N	III BSc BT
5.	23BTCC 05	NASWEEHA T T	III BSc BT
6.	23BTCC 06	SAFNA.K.P	III BSc BT
7.	23BTCC 07	SHIHANA SHERIN PK	III BSc BT
8.	23BTCC 08	SIBILA RISNI K	III BSc BT
9.	23BTCC 09	ANAZ IBNU NAZAR	III BSc BT
10.	23BTCC 10	MISHAL AHAMED PALAT	III BSc BT
11.	23BTCC 11	MOHAMED MUSTHANEER	III BSc BT
12.	23BTCC 12	MUHAMMED SANABIL K	III BSc BT
13.	23BTCC 13	AJNA ASHRAF P N	III BSc BT
14.	23BTCC 14	ANANYA.K	III BSc BT
15.	23BTCC 15	BISME ROOWFA P K	III BSc BT
16.	23BTCC 16	FATHIMA ANAAN.E	III BSc BT
17.	23BTCC 17	FATHIMA NEJWA.M.K	III BSc BT
18.	23BTCC 18	K FATHIMA KANSAH	III BSc BT
19.	23BTCC 19	LIBNA P	III BSc BT
20.	23BTCC 20	NIHALA MOHAMED ALI	III BSc BT
21.	23BTCC 21	RIFA SHIRIN.AP	III BSc BT
22.	23BTCC 22	SAYANA P T K	III BSc BT
23.	23BTCC 23	SHABNA SHERIN.K	III BSc BT
24.	23BTCC 24	ANSHIF. N.	III BSc BT
25.	23BTCC 25	AMEERA.C.T	III BSc BT
26.	23BTCC 26	FATHIMA HASNA	III BSc BT
27.	23BTCC 27	FATHIMA SHERMILA.P.P	III BSc BT
28.	23BTCC 28	FATHIMATHU SAFA V	III BSc BT
29.	23BTCC 29	FEBNA SHIBILY K	III BSc BT
30.	23BTCC 30	HUSNA BANU	III BSc BT
31.	23BTCC 31	LUBNA SHERIN	III BSc BT
32.	23BTCC 32	MINHA P	III BSc BT
33.	23BTCC 33	RAFNA SHERIN A K	III BSc BT
34.	23BTCC 34	SAHLA SHERIN	III BSc BT
35.	23BTCC 35	SHAMNA.KV	III BSc BT
36.	23BTCC 36	SHAMRIYA M.K	III BSc BT
37.	23BTCC 37	SILVYA.T	III BSc BT
38.	23BTCC 38	VISHNU PRIYA M	III BSc BT
39.	23BTCC 39	KARTHIKEYAN.KP	III BSc BT
40.	23BTCC 40	SHANAVAS.V.K	III BSc BT




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ATTENDANCE

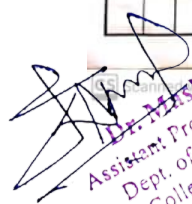
STAFF ATTENDANCE REGISTER		FOR																																							
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23	DCO	DINA FINCY P.K	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A							
		FATHIMA SIDA	E																																						
		FATHIMAT	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		LITUVANA P.N	E																																						
		NAZIERHATH	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		SARVA K.P.	E																																						
		SHIRANA SHEENA P.K	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		SIBIDA KINSHI K	E																																						
		ANNA IBNU NAZAL	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		MUSTAFAH AWANED PALATI	E																																						
		MUHAMMAD MUSTHAJER	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		MUHAMMED SANABIL K	E																																						
		ASNA ASHRAF P.N	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
		ANANYA K	E																																						
		BISMIL ROOPIYA P.K	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				


Dr. Anshoor K.
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STAFF ATTENDANCE REGISTER

FOR 20

Sl. No.	Designation	NAME	DATE	DAYS	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	In the Month	Pre-ous	Total	Re-marks		
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17		FATHIMA NEJMA M.K			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
18		K. FATHIMA KANISH			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
19		LIBNA P			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
20		NIHALA MOHAMMED ALI			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
21		RIFA SHRINI A.P			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
22		SAYANA P.T.K			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
23		SHASNA SHEFIA K			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
24		ANSHIF N			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
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27		FATHIMA SHERMILA P.P			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
28		FATHIMATHU SARA V			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
29		FEENA SHIBLY K			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
30		HUSNA GANU			A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			


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STAFF ATTENDANCE REGISTER

Sl. No.	Designation	NAME	DATE	DAYS
23	CCM	LUBNA SHEFIN	1	M
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35		SHAMNA.K.V	1	M
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37		SILVIA.T	1	M
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			9	M
			10	M
			11	M
			12	M
39		KARTHIKEYAN.K.P	1	M
			2	M
			3	M
			4	M
			5	M
			6	M
			7	M
			8	M
			9	M
			10	M
			11	M
			12	M
40		SHAMNAN.V.K	1	M
			2	M
			3	M
			4	M
			5	M
			6	M
			7	M
			8	M
			9	M
			10	M
			11	M
			12	M

Sl. No.	Designation	NAME	DATE	DAYS	In the Month	Previ-ous	Total	Re-marks
13			13	M				
			14	M				
			15	M				
			16	M				
			17	M				
			18	M				
			19	M				
			20	M				
			21	M				
			22	M				
			23	M				
			24	M				
			25	M				
			26	M				
			27	M				
			28	M				
			29	M				
			30	M				
			31	M				

FOR 20

Dr. Mishboor K.
 Assistant Professor and Head
 Dept. of Biotechnology
 EMEA College of Arts and Science
 Kondotty, Kerala, 673638

QUESTION PAPER

CERTIFICATE COURSE EXAMINATION 2023 BIOFERTILIZER TECHNOLOGY (BTCC2223)


Question Paper

Instructions: Please select the most appropriate answer from the options provided for each question.

1. What are biofertilizers primarily composed of?
 - a) Chemical nutrients
 - b) Organic matter
 - c) Synthetic hormones
 - d) Pesticides
2. Which of the following is not a type of biofertilizer?
 - a) Rhizobium
 - b) Mycorrhiza
 - c) Urea
 - d) Azotobacter
3. What is the main function of Rhizobium in biofertilizer technology?
 - a) Fix nitrogen from the atmosphere
 - b) Improve soil structure
 - c) Increase water retention in the soil
 - d) Control pests and diseases
4. Which biofertilizer is commonly used to enhance phosphorus uptake by plants?
 - a) Azotobacter
 - b) Azospirillum
 - c) Phosphate-solubilizing bacteria
 - d) Mycorrhiza
5. What is the role of Azospirillum in biofertilizer technology?
 - a) Fixing nitrogen
 - b) Solubilizing phosphorus
 - c) Promoting root growth
 - d) Decomposing organic matter
6. Which element is primarily responsible for enhancing plant growth and yield in biofertilizers?
 - a) Nitrogen
 - b) Phosphorus
 - c) Potassium
 - d) Iron
7. Biofertilizers are environmentally friendly because they:
 - a) Contain harmful chemicals
 - b) Release greenhouse gases
 - c) Improve soil health and reduce chemical fertilizer use
 - d) Are expensive to produce
8. Which type of biofertilizer is associated with increasing plant tolerance to abiotic stresses like drought and salinity?
 - a) Mycorrhiza
 - b) Azotobacter
 - c) Rhizobium
 - d) Azospirillum
9. What is the primary source of nitrogen in nitrogen-fixing biofertilizers like Rhizobium and Azotobacter?
 - a) Soil minerals
 - b) Organic matter
 - c) Atmospheric nitrogen (N₂)
 - d) Chemical nitrogen fertilizers
10. Which of the following is not a benefit of using biofertilizers in agriculture?
 - a) Improved soil fertility
 - b) Reduced dependence on chemical fertilizers
 - c) Increased crop yield
 - d) Increased greenhouse gas emissions
11. What is the role of Mycorrhiza in biofertilizer technology?
 - a) Fixing nitrogen
 - b) Improving phosphorus uptake
 - c) Enhancing soil aeration
 - d) Controlling weeds
12. Which of the following biofertilizers forms a mutualistic relationship with leguminous plants?
 - a) Azospirillum
 - b) Mycorrhiza
 - c) Rhizobium
 - d) Phosphate-solubilizing bacteria
13. Which component of biofertilizers helps in the release of locked nutrients in the soil?
 - a) Microorganisms
 - b) Organic matter
 - c) Chemical additives
 - d) Inorganic salts
14. What is the primary function of phosphate-solubilizing bacteria in biofertilizer technology?
 - a) Fixing nitrogen
 - b) Solubilizing phosphorus
 - c) Enhancing potassium uptake
 - d) Controlling soil pH
15. Which biofertilizer type is most commonly used for rice cultivation?
 - a) Azotobacter
 - b) Rhizobium
 - c) Azospirillum
 - d) Blue-green algae (Cyanobacteria)
16. Which biofertilizer is associated with the production of growth-promoting hormones, like auxins, in plants?
 - a) Rhizobium
 - b) Azospirillum
 - c) Mycorrhiza
 - d) Phosphate-solubilizing bacteria
17. What is the primary advantage of using biofertilizers in sustainable agriculture?
 - a) Lower cost compared to chemical fertilizers
 - b) Reduction in crop yield
 - c) Improved soil health and long-term sustainability
 - d) Harmful effects on human health
18. Which group of microorganisms is commonly found in the root nodules of leguminous plants in a symbiotic relationship?
 - a) Fungi
 - b) Bacteria
 - c) Viruses
 - d) Insects
19. What is the mode of application for most biofertilizers in agriculture?
 - a) Foliar spray
 - b) Seed coating
 - c) Soil drenching
 - d) All of the above
20. What is the term for the process by which biofertilizers increase the availability of nutrients to plants through various mechanisms?
 - a) Nutrient immobilization
 - b) Nutrient mineralization
 - c) Nutrient solubilization
 - d) Nutrient immobilization

MARK LIST

S.No	REG No.	NAME	CLASS	MARK
1.	23BTCC 01	DISNA FINCY P K	III BSc BT	30
2.	23BTCC 02	FATHIMA RIDA	III BSc BT	34
3.	23BTCC 03	FATHIMA T	III BSc BT	36
4.	23BTCC 04	LIJUVANA.P.N	III BSc BT	30
5.	23BTCC 05	NASWEEHA T T	III BSc BT	34
6.	23BTCC 06	SAFNA.K.P	III BSc BT	34
7.	23BTCC 07	SHIHANA SHERIN PK	III BSc BT	36
8.	23BTCC 08	SIBILA RISNI K	III BSc BT	34
9.	23BTCC 09	ANAZ IBNU NAZAR	III BSc BT	32
10.	23BTCC 10	MISHAL AHAMED PALAT	III BSc BT	40
11.	23BTCC 11	MOHAMED MUSTHANEER	III BSc BT	28
12.	23BTCC 12	MUHAMMED SANABIL K	III BSc BT	30
13.	23BTCC 13	AJNA ASHRAF P N	III BSc BT	26
14.	23BTCC 14	ANANYA.K	III BSc BT	40
15.	23BTCC 15	BISME ROOWFA P K	III BSc BT	32
16.	23BTCC 16	FATHIMA ANAAN.E	III BSc BT	28
17.	23BTCC 17	FATHIMA NEJWA.M.K	III BSc BT	36
18.	23BTCC 18	K FATHIMA KANSAH	III BSc BT	40
19.	23BTCC 19	LIBNA P	III BSc BT	32
20.	23BTCC 20	NIHALA MOHAMED ALI	III BSc BT	38
21.	23BTCC 21	RIFA SHIRIN.AP	III BSc BT	32
22.	23BTCC 22	SAYANA P T K	III BSc BT	36
23.	23BTCC 23	SHABNA SHERIN.K	III BSc BT	40
24.	23BTCC 24	ANSHIF. N.	III BSc BT	36
25.	23BTCC 25	AMEERA.C.T	III BSc BT	32
26.	23BTCC 26	FATHIMA HASNA	III BSc BT	34
27.	23BTCC 27	FATHIMA SHERMILA.P.P	III BSc BT	36
28.	23BTCC 28	FATHIMATHU SAFA V	III BSc BT	28
29.	23BTCC 29	FEBNA SHIBILY K	III BSc BT	24
30.	23BTCC 30	HUSNA BANU	III BSc BT	28
31.	23BTCC 31	LUBNA SHERIN	III BSc BT	26
32.	23BTCC 32	MINHA P	III BSc BT	36
33.	23BTCC 33	RAFNA SHERIN A K	III BSc BT	32
34.	23BTCC 34	SAHLA SHERIN	III BSc BT	40
35.	23BTCC 35	SHAMNA.KV	III BSc BT	40
36.	23BTCC 36	SHAMRIYA M.K	III BSc BT	32
37.	23BTCC 37	SILVYA.T	III BSc BT	34
38.	23BTCC 38	VISHNU PRIYA M	III BSc BT	38
39.	23BTCC 39	KARTHIKEYAN.KP	III BSc BT	22
40.	23BTCC 40	SHANAVAS.V.K	III BSc BT	34


Dr. Mashoor K.
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 Kondotty, Kerala, 673638

CERTIFICATE

DEPARTMENT OF BIOTECHNOLOGY EMEA COLLEGE OF ARTS & SCIENCE, KONDOTTY

Affiliated to the University of Calicut | Re-accredited with 'A' Grade by NAAC
KONDOTTI, MALAPPURAM (DT) KERALA, Pin-673638



Certificate

This is to certify that Dr./ Mr./ Ms.**SHAMNA KV**.....

has successfully completed the certificate course entitled 'BIOFERTILIZER TECHNOLOGY' organised by the Department of Biotechnology, EMEA College of Arts and Science, Kondotty during the period of 2022-2023.

Coordinator
Dr. Somy Soman

Head of the department
Dr. Mashoor K

Principal
Lt. Abdul Rasheed P

Date: 30 May 2023

Dr. Izzy Mashoor K
Assistant Professor and Head
Dept. of Biotechnology
EMEA College of Arts and Science
Kondotty, Kerala, 673638



EMEA

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

P O Kumminiparamba – 673638
Malappuram Dist. Kerala-India

Ph: +91 483 2712030 | 2713530 | 2715020 | Fax: +91 483 2713530
Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

CURRICULUM BASED ON

Certificate Course in

Basics in Project Preparation and Research Writing

Department of Commerce

2022-23

(Course Code: COMCC023)

SUMMARY REPORT

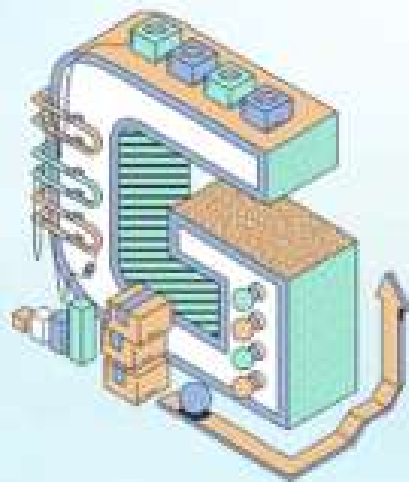
**PG DEPARTMENT OF COMMERCE
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**


**Certificate Course in
Basics in Project Preparation and
Research Writing**

Resource Person:

Dr. Jaseena P.P

(Assistant Prof., Department of Commerce)



2023 **22,23** 1:30 pm to 4:30pm
MARCH **&24**  **HALL NO: C1**

CENTRE FOR CERTIFICATE COURSES (CCC)

INTRODUCTION

COMCC-023

Certificate Course in Basics in Project Preparation and Research Writing

The Certificate Course in Basics in Project Preparation and Research Writing was successfully conducted from December 15, 2022, to March 31, 2023. The course, spanning 40 hours, aimed to equip participants with essential knowledge and skills in project preparation and research writing. The program was inaugurated by Miss Kamalam Edathil, the Head of the Department of Commerce. A dedicated team of resource persons, including Dr. Jaseena PP, Mr. Aboobacker Siddique KC, and Dr. Abdul Salam, provided valuable insights and guidance throughout the course. The program coordinator, Dr. Jaseena PP, ensured the smooth execution of the course, and a total of 56 students actively participated. The assessment procedure included written and practical examinations, in which all students performed exceptionally well, leading to the awarding of certificates.

Objectives

1. To know how and where to start my project.
2. To understand the key elements of a research paper.
3. To how write a research introduction and gaps of the study.
4. To know what should be included in a research methodology.
5. To know how to conduct data analysis with SPSS software.
6. To how write detailed findings and conclusions.

Outcome

1. Proficiency in project initiation and planning, with the ability to identify the starting point and steps for a successful project launch.
2. A comprehensive understanding of the components and structure of a research paper, facilitating proficient research paper writing.
3. Skills to craft a well-structured research introduction, pinpointing critical research gaps and questions to address.
4. Comprehension of the components and requirements of a research methodology section, enabling effective design and description of research methods.
5. Proficiency in data analysis using SPSS software, encompassing data entry, manipulation, and interpretation of statistical results.
6. Expertise in composing comprehensive findings and conclusions sections in research reports, adeptly summarizing research outcomes.

Syllabus

1. Research – Meaning – Objectives – the process of research-population-sample-parameter-statistic-variable-scale of measurement-types of data-statistical test and nature of data-types of variables.(5 Hours)
2. Literature review-Download and store the literature review- google scholar - Zotero.(10 Hours).
3. Research methodology- Population-Sample-Questionnaire distribution- Questionnaire sources- Analysis techniques.(5 Hours).
4. SPSS-Introduction-Chi-square test-T test-correlation-regression-ANOVA-Non parametric test- Factor analysis- report in the project.(15 Hours)
5. Findings-conclusion-future research.(5 Hours)

References

1. Gupta SP, Statistical Methods,
2. S. Chand & Sons, Levin & Rubin, Quantitative Approaches for Management, Pearson
3. Anderson, Quantitative Methods for Business Decisions, Thomson
4. D.V.D. Vohra, Quantitative Techniques for Management
5. Anand Sharma, Quantitative Techniques for decision making, Himalya Publishing House
6. Dr.T.Mohammed Nishad, Data analysis for social science research
7. 6. Gupta & Khanna, Quantitative Techniques for decision making, Prentice Hall of India.
8. Tandon BC, Research Methodology in Social Sciences, Chaitanya Publishing House
9. Whitney FL, Elements of Research, Prentice Hall of India
10. Ferber R, Research Methods in Economics and Business, Macmillan

QUESTION PAPER

PG DEPARTMENT COURSE (CERTIFICATE COURSE)

SUBJECT: BASICS IN PROJECT PREPARATION AND RESEARCH WRITING

Time: 30 minutes

Maximum: 20 marks

1. What is the primary goal of conducting research?
 - a. To generate random data
 - b. To find quick answers to questions
 - c. To systematically gather and analyze information
 - d. To create subjective opinions

2. Which of the following is an essential step in the research process?
 - a. Drawing conclusions without evidence
 - b. Skipping data collection
 - c. Defining a research question
 - d. Ignoring ethical considerations

3. Which of the following is NOT a common research method?
 - a. Surveys
 - b. Guesswork
 - c. Experiments
 - d. Observations

4. What is a literature review in research?
 - a. An overview of the author's personal experiences
 - b. A summary of existing research on a topic
 - c. A fictional story related to the research
 - d. A review of popular culture references

5. What is a hypothesis in research?
 - a. A well-established fact
 - b. A tentative explanation or prediction to be tested
 - c. An opinion of the researcher
 - d. A conclusion without evidence

6. In research, what is the purpose of a sample?
 - a. To collect all available data
 - b. To represent the entire population
 - c. To exclude certain data
 - d. To manipulate results

7. What is a variable in research?
 - a. A constant factor that does not change

- b. A factor that can change and is studied in research
 - c. A term for the entire research process
 - d. A question that cannot be answered
8. What does "peer-reviewed" mean in the context of research articles?
- A. Written by researchers' friends
 - B. Approved by a government agency
 - C. Evaluated by other experts in the field
 - D. Published without any review process
9. Which of the following is an important ethical consideration in research?
- a. Making data available only to a select group
 - b. Falsifying research findings
 - c. Protecting the rights and privacy of research participants
 - d. Rushing through the research process
10. What is the last step in the research process?
- a. Data analysis
 - b. Data collection
 - c. Publishing the results
 - d. Defining the research question
11. What is SPSS primarily used for?
- a. Graphic design
 - b. Data analysis and statistical research
 - c. Word processing
 - d. Video editing
12. In SPSS, what does "Descriptive Statistics" do?
- a. It summarizes and describes data through measures like mean, median, and standard deviation
 - b. It generates graphs and charts.
 - c. It conducts hypothesis tests.
 - d. It prepares data for entry.
13. Which type of variable is typically assigned numerical values in SPSS for analysis?
- a. Categorical variables
 - b. Continuous variables
 - c. Ordinal variables
 - d. Nominal variables
14. In SPSS, what is the purpose of "Chi-Square Test"?
- a. To compare means between two groups
 - b. To analyze relationships between two categorical variables
 - c. To perform regression analysis
 - d. To calculate correlation coefficients

15. What is the function of the "Syntax" feature in SPSS?
- To create graphs and charts
 - To document the data collection process
 - To automate and record data analysis procedures
 - To prepare data for printing and publication
16. What is the primary purpose of a questionnaire in research?
- To gather qualitative data
 - To conduct interviews with participants
 - To collect structured data from respondents
 - To create a literature review
17. Which of the following is an advantage of using closed-ended questions in a questionnaire?
- They provide in-depth responses
 - They allow for flexibility in responses
 - They are easier to analyze
 - They encourage open discussions
18. When designing a questionnaire, what is the importance of pilot testing?
- To gather data from a large sample
 - To test the questionnaire on a small group of participants
 - To finalize the research finding

d. Review of Literature:

19. In a literature review, what is the purpose of identifying gaps in existing research?
 - a. To repeat previous studies
 - b. To critique the research
 - c. To highlight areas where new research is needed
 - d. To summarize well-established findings.
20. What should a literature review primarily focus on?
 - a. Presenting the author's personal opinions
 - b. Summarizing every piece of literature on the topic
 - c. Analyzing and synthesizing existing research on the chosen topic
 - d. Promoting the author's research



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55	SHILPA T K	F	M.CO M	20
56	SIBLA NARGHESE A V	F	M.CO M	20

PRACTICAL SESSION



PG DEPARTMENT OF COMMERCE
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Association between problems in investment decision and level of awareness about various investment avenues.

H0: : There is no significant difference between awareness level about various investment and problems in investment

H1: there is a significant difference between awareness level about various investment problems in investment and

Correlation has been conducted to test the above hypothesis and the result is given below:

Table 4.17:

	Problems	Awareness
Problems	1	
Awareness	-.206	1

(Source: Primary data)

INTERPRETATION

Table 4.17 the problem wise classification of rural people's with their awareness level in various investment avenues . for the purpose of comparing the problems in investment decision and level of awareness in investment avenues ,the following hypothesis is formulated. We used correlation test for the purpose .

Pearsons product correlation of problems in investment decision and awareness about investment avenues found to be negative correlation and not statistically significant ($r = -.206, p > .001$). hence H1 were rejected.



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Association between occupation and level of awareness about various investment avenues.

H₀: There is no significant difference between occupation of respondents and awareness about investment avenues.

H₁: there is a significant difference between occupation of respondents and awareness about investment avenues.

One way ANOVA has been conducted to test the above hypothesis and the result is given below:

Table 4.13 occupation of the respondent and level of awareness about various investment avenues.

	Sum of squares	df	Mean square	f	Sig
Between groups	149.765	4	37.441	2.571	.051
Within Groups	655.419	45	14.565		
total	805.184	49			

INTERPRETATION

Table.4.13 explains the occupation wise comparison of awareness level about various investment avenues. For the purpose of comparing factors with occupation, the following hypothesis is formulated. We used one-way ANOVA test for the purpose.

In hypothesis testing the p value is more than 0.05 (.051) we would reject the alternate hypothesis. The null hypothesis states that, there is no significant difference between occupation of respondents and awareness about investment avenues, while the alternative hypothesis (H₁) suggests that there is a significant difference.

Since we accept null hypothesis, the ANOVA results suggest that there is no significant difference in between occupation and level of awareness of respondent about various investment avenues.



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Association between annual income and investment tenure

H0: There is no significant difference between annual income and investment tenure.

H1: There is a significant difference between annual income and investment tenure.

Chi square test has been conducted to test the above hypothesis and the result is given below.

Table 4.9 annual income of respondent and investment tenure.

	value	df	Asymp.sig. (2-sided)
Persons chi-square	30.745	12	.002
Likelihood ratio	24.780	12	.016
Linear-by-linear association	7.012	1	.008
N of valid cases	50		

INTERPRETATION

Table 4.9 explains the annual income wise comparison of preferred investment tenure of respondents.


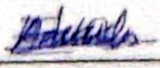

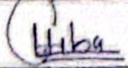
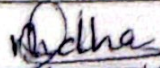

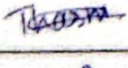

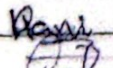
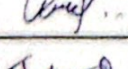
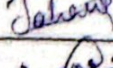




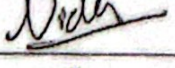


Chi-square statistics were used to examine association between categorical variables (annual income and investment tenure) . There is an significant association at 5% significance level between annual income and investment tenure of respondents ($\chi^2=30.745$, $df=12$, $p=.002$). Hence H1 was supported.

Department of Commerce

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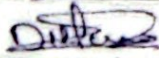






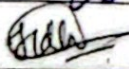



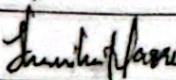
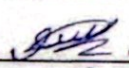

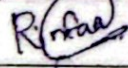




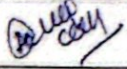

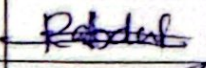

2022-23

Enrollment Register

SL. NO	NAME	ENROLLMENT NO.	SIGNATURE
1.	ALIYA T	COMCC02301	
2.	ANSHIDA.M	COMCC02302	
3.	AYISHA AMAL THOMMANGADAN	COMCC02303	
4.	FATHIMA HIBA K	COMCC02304	
5.	FATHIMA NIDHA M	COMCC02305	
6.	FATHIMA SHIFANA.V	COMCC02306	
7.	FATHIMA THASNI VP	COMCC02307	
8.	FIDHA FEBIN V K	COMCC02308	
9.	HANEENA FATHIMA U P	COMCC02309	
10.	HASNA TP	COMCC02310	
11.	JAHANA SHERIN. M	COMCC02311	
12.	MANNA FATHIMA A	COMCC02312	
13.	MUHSINA THASNI K	COMCC02313	
14.	MUNAVVIRA C	COMCC02314	
15.	NADAH PP	COMCC02315	
16.	NIDHA FARVEEN TP	COMCC02316	
17.	RINSHA BANU. V	COMCC02317	
18.	RINSHA SHERI KK	COMCC02318	

19.	RIYA HANNA CV	COMCC02319	<u>RNY</u>
20.	SAHLA SHIRIN. A	COMCC02320	<u>SA</u>
21.	THABSIRA THASNI M	COMCC02321	<u>Thabsi</u>
22.	ABDULLA AMAN K P	COMCC02322	<u>AMAN</u>
23.	ARAFATH PC	COMCC02323	<u>AP</u>
24.	ASHEEQUE MUHAMMED.N	COMCC02324	<u>Asheeqa</u>
25.	BASIM RAHMAN PK	COMCC02325	<u>Basim</u>
26.	MOHAMMED AFLAH. M	COMCC02326	<u>AM</u>
27.	MOHAMMED ASHIQ	COMCC02327	<u>Asheeqa</u>
28.	MOHAMMED FAISAL	COMCC02328	<u>Faisal</u>
29.	MOHAMMED FAZIL KP	COMCC02329	<u>Fazil</u>
30.	MOHAMMED HASBIN K	COMCC02330	<u>Hasbin</u>
31.	MUHAMMED SHAMEEM MP	COMCC02331	<u>Shameem</u>
32.	MUHAMMED AMEEN A	COMCC02332	<u>Ameen</u>
33.	MUHAMMED FAZIL P	COMCC02333	<u>MFP</u>
34.	MUHAMMED JANISH O	COMCC02334	<u>Janish</u>
35.	MUHAMMED MIDLAJ TP	COMCC02335	<u>Midhaj</u>
36.	MUHAMMED MUBASHIR MK	COMCC02336	<u>Mubashir</u>
37.	MUHAMMED RISHAN P P	COMCC02337	<u>Rishan</u>
38.	MUHAMMED SABITH. K	COMCC02338	<u>Sabith</u>
39.	MUNSHAQUE	COMCC02339	<u>Munsha</u>
40.	NABEEL C K	COMCC02340	<u>Nabeel</u>
41.	SABIK SALI.M	COMCC02341	<u>Sabik</u>
42.	BAHIRA SHIRIN	COMCC02342	<u>Bahira</u>

43.	FATHIMA ASHITHA A	COMCC02343	<u>Ash</u>
44.	SAHANA SHEBIN A P	COMCC02344	<u>Shan</u>
45.	ASWINLAL E P	COMCC02345	<u>Awin</u>
46.	MUHAMMED ANSAB PK	COMCC02346	<u>Ansab</u>
47.	MUHAMMED HADIL A K	COMCC02347	<u>Hadil</u>
48.	NEERAJ N	COMCC02348	<u>Neeraj .</u>
49.	SHANIF P K	COMCC02349	<u>Shanif</u>
50.	AFFEEFA P	COMCC02350	<u>Affee</u>
51.	AWANI K	COMCC02351	<u>Awani</u>
52.	BHAVYA K	COMCC02352	<u>Bhavya</u>
53.	FATHIMA HIFA MP	COMCC02353	<u>Fathima</u>
54.	NANDHANA KRISHNAN NT	COMCC02354	<u>Nandhana</u>
55.	NAYANA K	COMCC02355	<u>Nayana</u>
56.	SHAMLEENA NASRIN C	COMCC02356	<u>Shamleena</u>
57.	VISMAYA T	COMCC02357	<u>Vismaya</u>
58.	VISMAYA T	COMCC02358	<u>Vismaya</u>
59.	ABHIJITH K	COMCC02359	<u>Abhijith</u>
60.	ADIL RAZAK CHAKKIPARAMBAN	COMCC02360	<u>Adil</u>
61.	ANSIL K	COMCC02361	<u>Ansil</u>
62.	ANUSH KARTHIK. K	COMCC02362	<u>Anush</u>
63.	ASWANDH GIRI.M	COMCC02363	<u>Aswadh</u>
64.	SACHIN A	COMCC02364	<u>Sachin</u>
65.	VASEEM AFREEN KT	COMCC02365	<u>Vaseem</u>
66.	AMEENA SHARIN T P	COMCC02366	<u>Ameena</u>

67.	AYISHA FARHEEN PE	COMCC02367	
68.	AYISHA LAMIYA PK	COMCC02368	
69.	FANISHA FARHANA A	COMCC02369	
70.	FAREEDA K	COMCC02370	
71.	FATHIMA NAFLA M	COMCC02371	
72.	FATHIMA NIDHA KP	COMCC02372	
73.	HANEENA K	COMCC02373	
74.	MAJIDHA FARSANA K P	COMCC02374	
75.	RASHEEGA NASRIN P	COMCC02375	
76.	RENEESHA P	COMCC02376	
77.	SAJEERA.C	COMCC02377	
78.	SHAHANA SHERI K K	COMCC02378	
79.	SHANIHA NASRI K	COMCC02379	
80.	ADEEB ANFAS P	COMCC02380	
81.	MOHAMED SUFAID P	COMCC02381	
82.	MOHAMMED RINFAD. A	COMCC02382	
83.	MOHAMMED SAHIL K	COMCC02383	
84.	MOHAMMED SHEFINE P K	COMCC02384	
85.	MOHAMMED SHUAIB K	COMCC02385	
86.	MUHAMMED SHIBIL K K	COMCC02386	
87.	MUHAMMED SINAN E	COMCC02387	
88.	NABHAN AHMED P	COMCC02388	
89.	RISHAD ABDUL MUJEEB	COMCC02389	
90.	SUHAIL MV	COMCC02390	

91.	YASIR THAMEEM	COMCC02391	<i>Yasir</i>
92.	A.RITHIKA	COMCC02392	<i>Rithika</i>
93.	ANUPAMA.P	COMCC02393	<i>Anupama</i>
94.	ASHIKHA KHADEEJA P	COMCC02394	<i>Ashika</i>
95.	DINISHA.P	COMCC02395	<i>Dinisha</i>
96.	FARHANA MK	COMCC02396	<i>Farhana</i>
97.	FATHIMA NASNIN	COMCC02397	<i>Fathima</i>
98.	FATHIMA SAFNA A	COMCC02398	<i>Fathima</i>
99.	NAFLA NOORA MV	COMCC02399	<i>Nafla</i>
100.	NEHASURAJ.K	COMCC02400	<i>Nehasuraj</i>
101.	SHAHANA ASHRAF NELLIYOTT	COMCC02401	<i>Shahana</i>
102.	ZEBJA JAMEELA	COMCC02402	<i>Zebja</i>
103.	ADITHYA KRISHNAN K	COMCC02403	<i>Adithya</i>
104.	ADITHYA. P	COMCC02404	<i>Adithya</i>
105.	ANJANA P	COMCC02405	<i>Anjana</i>
106.	ASRITHA. C	COMCC02406	<i>Asritha</i>
107.	FATHIMA SHAMLI.K.V	COMCC02407	<i>Fathima</i>
108.	JINSHA TP	COMCC02408	<i>Jinsha</i>
109.	JUMANA MINNATH	COMCC02409	<i>Jumana</i>
110.	LIYA C K	COMCC02410	<i>Liya</i>
111.	NAHAN FATHIMA P	COMCC02411	<i>Nahan</i>
112.	RAHLIYA JASMIN MANAKKADAVAN	COMCC02412	<i>Rahliya</i>
113.	SHAFNA SHARIN K T	COMCC02413	<i>Shafna</i>
114.	SREYA E K	COMCC02414	<i>Sreya</i>

115.	VANDHANA SURESH C	COMCC02415	<i>Tush</i>
116.	AMALJITH K	COMCC02416	<i>Amal</i>
117.	GOKUL P	COMCC02417	<i>Gokul</i>
118.	JISHIN. V	COMCC02418	<i>Jishin</i>
119.	MIRSHAD ARAFATH M	COMCC02419	<i>Mirshad</i>
120.	MUHAMMED JASEEL K	COMCC02420	<i>Muhammed</i>
121.	MUHAMMED RAMEES C	COMCC02421	<i>Ramees</i>
122.	MUHAMMED SHAHAM P	COMCC02422	<i>Shaham</i>
123.	MUHAMMED UNAIS VK	COMCC02423	<i>Unais</i>
124.	SHIBIN C	COMCC02424	<i>Shibin</i>
125.	VYSHNAV K	COMCC02425	<i>Vyshnav</i>
126.	JISHIDA P	COMCC02426	<i>Jishida</i>
127.	MUHAMMED SHAMMAS P M	COMCC02427	<i>Shammas</i>
128.	AMAN ABDULLA C.E.V	COMCC02428	<i>Aman</i>

Department of Commerce

Certificate Course in Basics in Project Preparation and Research Writing

2022-23

Attendance Register

SL. NO	NAME					
1.	ALIYA T	<u>Aliya</u>	<u>Aliya</u>	<u>Aliya</u>	<u>Aliya</u>	<u>Aliya</u>
2.	ANSHIDA.M	<u>Anshida</u>	<u>Anshida</u>	<u>Anshida</u>	<u>Anshida</u>	<u>Anshida</u>
3.	AYISHA AMAL THOMMANGADAN	<u>Ayisha</u>	<u>Ayisha</u>	<u>Ayisha</u>	<u>Ayisha</u>	<u>Ayisha</u>
4.	FATHIMA HIBA K	<u>Hiba</u>	<u>Hiba</u>	<u>Hiba</u>	<u>Hiba</u>	<u>Hiba</u>
5.	FATHIMA NIDHA M	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>
6.	FATHIMA SHIFANA.V	<u>Shifana</u>	<u>Shifana</u>	<u>Shifana</u>	<u>Shifana</u>	<u>Shifana</u>
7.	FATHIMA THASNI VP	<u>Thasni</u>	<u>Thasni</u>	<u>Thasni</u>	<u>Thasni</u>	<u>Thasni</u>
8.	FIDHA FEBIN V K	<u>Fidha</u>	<u>Fidha</u>	<u>Fidha</u>	<u>Fidha</u>	<u>Fidha</u>
9.	HANEENA FATHIMA U P	<u>Haneena</u>	<u>Haneena</u>	<u>Haneena</u>	<u>Haneena</u>	<u>Haneena</u>
10.	HASNA TP	<u>Hasna</u>	<u>Hasna</u>	<u>Hasna</u>	<u>Hasna</u>	<u>Hasna</u>
11.	JAHANA SHERIN. M	<u>Jahana</u>	<u>Jahana</u>	<u>Jahana</u>	<u>Jahana</u>	<u>Jahana</u>
12.	MANNA FATHIMA A	<u>Manna</u>	<u>Manna</u>	<u>Manna</u>	<u>Manna</u>	<u>Manna</u>
13.	MUHSINA THASNI K	<u>Muhsina</u>	<u>Muhsina</u>	<u>Muhsina</u>	<u>Muhsina</u>	<u>Muhsina</u>
14.	MUNAVVIRA C	<u>Munavvira</u>	<u>Munavvira</u>	<u>Munavvira</u>	<u>Munavvira</u>	<u>Munavvira</u>
15.	NADAH PP	<u>Nadah</u>	<u>Nadah</u>	<u>Nadah</u>	<u>Nadah</u>	<u>Nadah</u>
16.	NIDHA FARVEEN TP	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>	<u>Nidha</u>
17.	RINSHA BANU. V	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>
18.	RINSHA SHERI KK	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>	<u>Rinsha</u>
19.	RIYA HANNA CV	<u>Riya</u>				<u>Riya</u>

20.	SAHILA SHIRIN. A	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>	<u>Sh</u>
21.	THABSIRA THASNI M	<u>Thabsi</u>	<u>Thabsi</u>	<u>Thabsi</u>	<u>Thabsi</u>	<u>Thabsi</u>
22.	ABDULLA AMAN K P	Abdulla	Abdulla	Abdulla	Abdulla	Abdulla
23.	ARAFATH PC	<u>Ar</u>	<u>Ar</u>	<u>Ar</u>	<u>Ar</u>	<u>Ar</u>
24.	ASHEEQUE MUHAMMED N	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>
25.	BASIM RAHMAN PK	<u>Bas</u>	<u>Bas</u>	<u>Bas</u>	<u>Bas</u>	<u>Bas</u>
26.	MOHAMMED AFLAH. M	<u>AF</u>	<u>AF</u>	<u>AF</u>	<u>AF</u>	<u>AF</u>
27.	MOHAMMED ASHIQ	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>	<u>Ashiq</u>
28.	MOHAMMED FAISAL	<u>Faisal</u>	<u>Faisal</u>	<u>Faisal</u>	<u>Faisal</u>	<u>Faisal</u>
29.	MOHAMMED FAZIL KP	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>
30.	MOHAMMED HASBIN K	<u>Hasbin</u>	<u>Hasbin</u>	<u>Hasbin</u>	<u>Hasbin</u>	<u>Hasbin</u>
31.	MUHAMMED SHAMEEM MP	<u>Shameem</u>	<u>Shameem</u>	<u>Shameem</u>	<u>Shameem</u>	<u>Shameem</u>
32.	MUHAMMED AMEEN A	<u>Ameen</u>	<u>Ameen</u>	<u>Ameen</u>	<u>Ameen</u>	<u>Ameen</u>
33.	MUHAMMED FAZIL P	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>	<u>Fazil</u>
34.	MUHAMMED JANISH O	<u>Janish</u>	<u>Janish</u>	<u>Janish</u>	<u>Janish</u>	<u>Janish</u>
35.	MUHAMMED MIDLAJ TP	<u>Midlaj</u>	<u>Midlaj</u>	<u>Midlaj</u>	<u>Midlaj</u>	<u>Midlaj</u>
36.	MUHAMMED MUBASHIR MK	<u>Mubashir</u>	<u>Mubashir</u>	<u>Mubashir</u>	<u>Mubashir</u>	<u>Mubashir</u>
37.	MUHAMMED RISHAN P P	<u>Rishan</u>	<u>Rishan</u>	<u>Rishan</u>	<u>Rishan</u>	<u>Rishan</u>
38.	MUHAMMED SABITH. K	<u>Sabith</u>	<u>Sabith</u>	<u>Sabith</u>	<u>Sabith</u>	<u>Sabith</u>
39.	MUNSHAQUE	<u>Munsh</u>	<u>Munsh</u>	<u>Munsh</u>	<u>Munsh</u>	<u>Munsh</u>
40.	NABEEL C K	<u>Nabeel</u>	<u>Nabeel</u>	<u>Nabeel</u>	<u>Nabeel</u>	<u>Nabeel</u>
41.	SABIK SALI.M	<u>Sabik</u>	<u>Sabik</u>	<u>Sabik</u>	<u>Sabik</u>	<u>Sabik</u>
42.	BAHIRA SHIRIN	<u>Bahira</u>	<u>Bahira</u>	<u>Bahira</u>	<u>Bahira</u>	<u>Bahira</u>
43.	FATHIMA ASHITHA A	<u>Ashitha</u>	<u>Ashitha</u>	<u>Ashitha</u>	<u>Ashitha</u>	<u>Ashitha</u>
44.	SAHANA SHEBIN A P	<u>Shana</u>	<u>Shana</u>	<u>Shana</u>	<u>Shana</u>	<u>Shana</u>
45.	ASWINLAL E P	<u>Aswin</u>	<u>Aswin</u>	<u>Aswin</u>	<u>Aswin</u>	<u>Aswin</u>

46.	MUHAMMED ANSAB P K	<u>Ansab</u>	<u>Ansab</u>	<u>Ansab</u>	<u>Ansab</u>	<u>Ansab</u>
47.	MUHAMMED HADIL A K	<u>Hadil</u>	<u>Hadil</u>	<u>Hadil</u>	<u>Hadil</u>	<u>Hadil</u>
48.	NEERAJ N	<u>Neeraj</u>	<u>Neeraj</u>	<u>Neeraj</u>	<u>Neeraj</u>	<u>Neeraj</u>
49.	SHANIF P K	<u>Shanif</u>	<u>Shanif</u>	<u>Shanif</u>	<u>Shanif</u>	<u>Shanif</u>
50.	AFEefa P	<u>Afeefa</u>	<u>Afeefa</u>	<u>Afeefa</u>	<u>Afeefa</u>	<u>Afeefa</u>
51.	AWANI K	<u>Awani</u>	<u>Awani</u>	<u>Awani</u>	<u>Awani</u>	<u>Awani</u>
52.	BHAVYA K	<u>Bhavya</u>	<u>Bhavya</u>	<u>Bhavya</u>	<u>Bhavya</u>	<u>Bhavya</u>
53.	FATHIMA HIFA MP	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>
54.	NANDHANA KRISHNAN NT	<u>Nandhana</u>	<u>Nandhana</u>	<u>Nandhana</u>	<u>Nandhana</u>	<u>Nandhana</u>
55.	NAYANA K	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>
56.	SHAMLEENA NASRIN C	<u>Shamleena</u>	<u>Shamleena</u>	<u>Shamleena</u>	<u>Shamleena</u>	<u>Shamleena</u>
57.	VISMAYA T	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>
58.	VISMAYA T	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>	<u>Vismaya</u>
59.	ABHIJITH K	<u>Abhijith</u>	<u>Abhijith</u>	<u>Abhijith</u>	<u>Abhijith</u>	<u>Abhijith</u>
60.	ADIL RAZAK CHAKKIPARAMBAN	<u>Adil</u>	<u>Adil</u>	<u>Adil</u>	<u>Adil</u>	<u>Adil</u>
61.	ANSIL K	<u>Ansil</u>	<u>Ansil</u>	<u>Ansil</u>	<u>Ansil</u>	<u>Ansil</u>
62.	ANUSH KARTHIK. K	<u>Anush</u>	<u>Anush</u>	<u>Anush</u>	<u>Anush</u>	<u>Anush</u>
63.	ASWANDH GIRI.M	<u>Aswandh</u>	<u>Aswandh</u>	<u>Aswandh</u>	<u>Aswandh</u>	<u>Aswandh</u>
64.	SACHIN A	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>
65.	VASEEM AFREEN KT	<u>Vaseem</u>	<u>Vaseem</u>	<u>Vaseem</u>	<u>Vaseem</u>	<u>Vaseem</u>
66.	AMEENA SHARIN T P	<u>Ameena</u>	<u>Ameena</u>	<u>Ameena</u>	<u>Ameena</u>	<u>Ameena</u>

Department of Commerce

Certificate Course In Basics in Project Preparation and Research Writing

2022-23

Attendance Register

SL. NO	NAME					
1.	AYISHA FARHEEN PE					
2.	AYISHA LAMIYA PK					
3.	FANISHA FARHANA A					
4.	FAREEDA K					
5.	FATHIMA NAFLA M					
6.	FATHIMA NIDHA KP					
7.	HANEENA K					
8.	MAJIDHA FARSANA K P					
9.	RASHEEGA NASRIN P					
10.	RENEESHA P					
11.	SAJEERA C					
12.	SHAHANA SHERI K K					
13.	SHANIHA NASRI K					
14.	ADEEB ANFAS P					
15.	MOHAMED SUFAID P					
16.	MOHAMMED RINFAD. A					
17.	MOHAMMED SAHIL K					
18.	MOHAMMED SHEFINE P K					

19.	MOHAMMED SHUAIB K	Shuaib	Shuaib	Shuaib	Shuaib	Shuaib
20.	MUHAMMED SHIBIL K K	Shibil	Shibil	Shibil	Shibil	Shibil
21.	MUHAMMED SINAN E	Sinan	Sinan	Sinan	Sinan	Sinan
22.	NABHAN AHMED P	Nabhan	Nabhan	Nabhan	Nabhan	Nabhan
23.	RISHAD ABDUL MUJEEB	RAbdul	RAbdul	RAbdul	RAbdul	RAbdul
24.	SUHAIL MV	Suh	Suh	Suh	Suh	Suh
25.	YASIR THAMEEM	Yasir	Yasir	Yasir	Yasir	Yasir
26.	A.RITHIKA	Rithika	Rithika	Rithika	Rithika	Rithika
27.	ANUPAMA.P	Anupama	Anupama	Anupama	Anupama	Anupama
28.	ASHIKHA KHADEEJA P	Ashika	Ashika	Ashika	Ashika	Ashika
29.	DINISHA.P	Dinisha	Dinisha	Dinisha	Dinisha	Dinisha
30.	FARHANA MK	Farhana	Abs	Farhana	Abs	Farhana
31.	FATHIMA NASNIN	Fathima	Fathima	Fathima	Fathima	Fathima
32.	FATHIMA SAFNA A	Fathima	Fathima	Fathima	Fathima	Fathima
33.	NAFLA NOORA MV	Nafla	Nafla	Nafla	Nafla	Nafla
34.	NEHASURAJ.K	Nehasuraj	Nehasuraj	Nehasuraj	Nehasuraj	Nehasuraj
35.	SHAHANA ASHRAF NELLIYOTT	Shahana	Shahana	Shahana	Shahana	Shahana
36.	ZEBA JAMEELA	Zeba	Zeba	Zeba	Zeba	Zeba
37.	ADITHYA KRISHNAN K	Adithya	Adithya	Abs	Adithya	Abs
38.	ADITHYA. P	Adithya	Adithya	Adithya	Adithya	Adithya
39.	ANJANA P	Anjana	Anjana	Anjana	Anjana	Anjana
40.	ASRITHA. C	Asritha	Asritha	Asritha	Asritha	Asritha
41.	FATHIMA SHAMLI.K.V	Fathima	Fathima	Fathima	Fathima	Fathima
42.	JINSHA TP	Jinsha	Jinsha	Jinsha	Jinsha	Jinsha

43.	JUMANA MINNATH	Aranya	Aranya	Aranya	Aranya	Aranya
44.	LIYA C K	Asathi	Asathi	Asathi	Asathi	Asathi
45.	NAHAN FATHIMA P	As	As	As	As	As
46.	RAHLIYA JASMIN MANAKKADAVAN	As	As	As	As	As
47.	SHAFNA SHARIN K T	Shahna	Shahna	Shahna	Shahna	Shahna
48.	SREYA E K	Haripriya	Haripriya	Haripriya	Haripriya	Haripriya
49.	VANDHANA SURESH C	As	As	As	As	As
50.	AMALJITH K	As	As	As	As	As
51.	GOKUL P	As	As	As	As	As
52.	JISHIN. V	Maha.	Maha.	Maha.	Maha.	Maha.
53.	MIRSHAD ARAFATH M	Maha.	Maha.	Maha.	Maha.	Maha.
54.	MUHAMMED JASEEL K	Nayana.	Nayana.	Nayana.	Nayana.	Nayana.
55.	MUHAMMED RAMEES C	Rinsha	Rinsha	Rinsha	Rinsha	Rinsha
56.	MUHAMMED SHAHAM P	Amal	Amal	Amal	Amal	Amal
57.	MUHAMMED UNAIS VK	As	As	As	As	As
58.	SHIBIN C	Shibin	Shibin	Abs	Shibin	Shibin
59.	VYSHNAV.K	As	As	As	As	As
60.	JISHIDA P	As	As	As	As	As
61.	MUHAMMED SHAMMAS P M	As	As	As	As	As
62.	AMAN ABDULLA C.E.V	Ramees	Ramees	Ramees	Ramees	Ramees

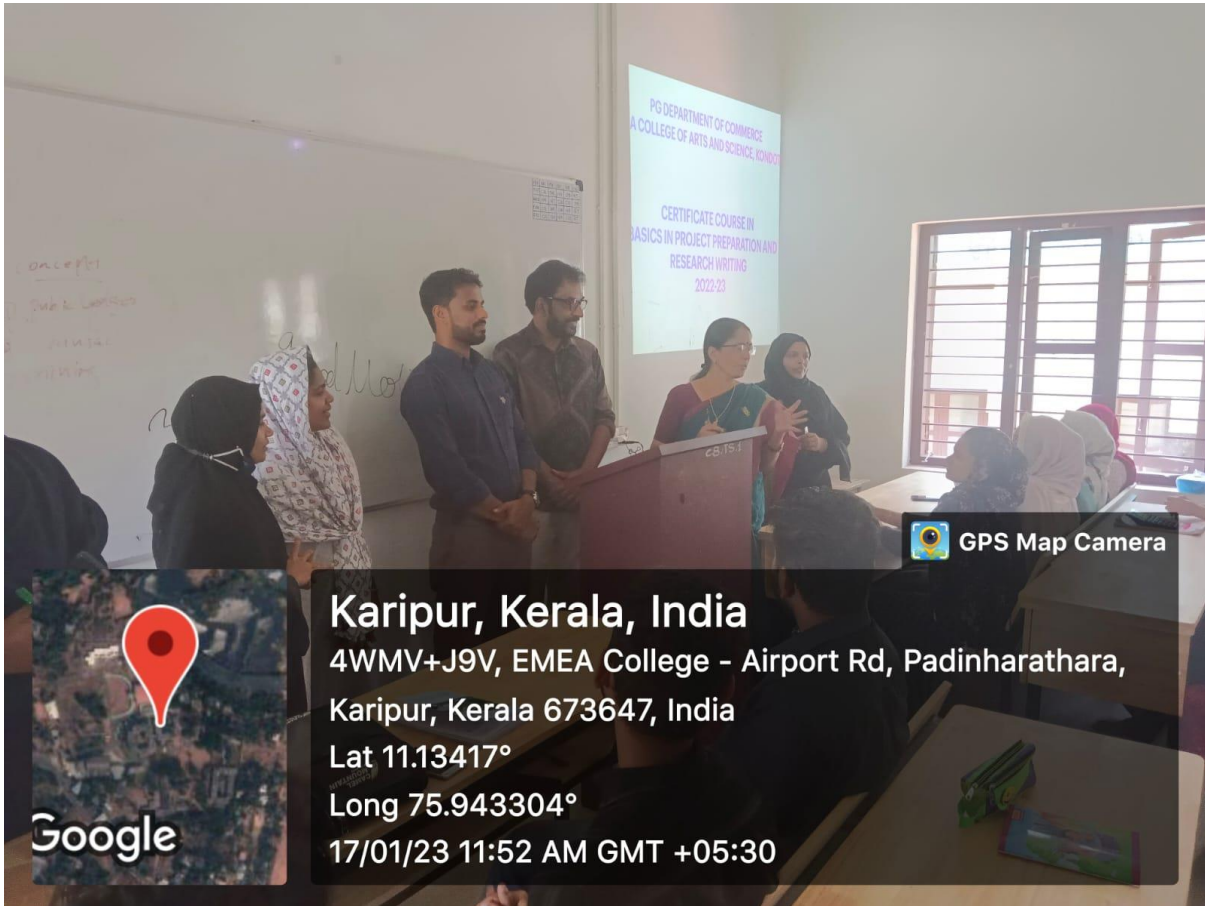


PG DEPARTMENT OF COMMERCE
EMEA COLLEGE OF ARTS AND SCIENCE KONDOTTY
Certificate Course in Basics in Project preparation and
Research writing



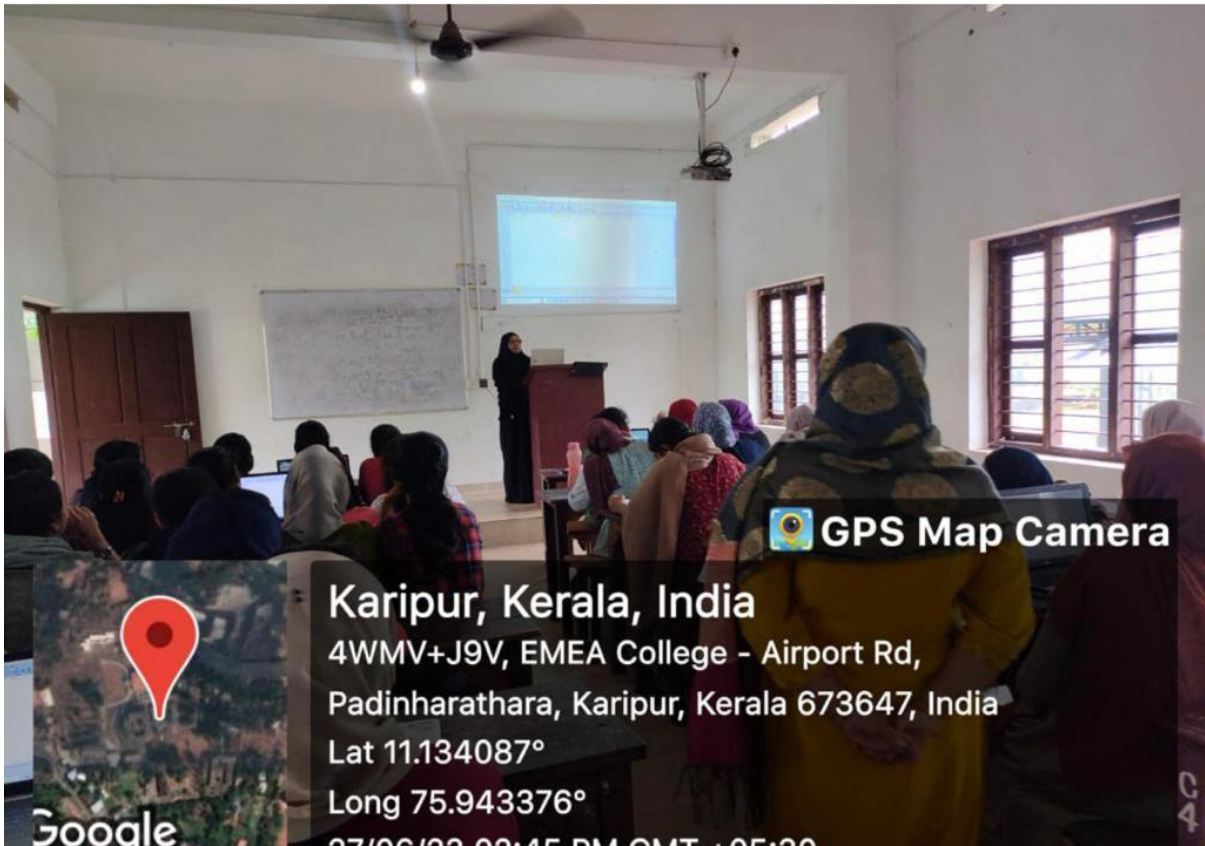


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Research writing





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Research writing**

CERTIFICATE





PG DEPARTMENT OF COMMERCE
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Research writing

CONCLUSION

The Certificate Course in Basics in Project Preparation and Research Writing, conducted from December 15, 2022, to March 31, 2023, was a resounding success. The guidance of our resource persons, the leadership of the program coordinator, and the active participation of students all contributed to the positive outcome. The certificates awarded to all students reflect their hard work and dedication in mastering the essentials of project preparation and research writing. We extend our congratulations to all participants and look forward to their continued success in their academic and professional endeavors.

Dr. Jaseena PP
Coordinator, Certificate Course
PG Department of Commerce
EMEA College, Kondotty



EMEIA

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

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Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

CURRICULUM BASED ON

Certificate Course in Flutter App Development

Department of Computer Science

2022-23

(Course Code: CCFAD01)

SUMMARY REPORT

CCFAD01 – Certificate Course in Flutter App Development

FLUTTER

SYLLABUS

w: www.maitexa.com
e: info@maitexa.com
m: 9447 933 266

Maitexa Info Solutions LLP

|# 59/7691 | P V Building |
|Annie Hall Road |
|Kozhikode-673002 |
|Kerala | India |

Eligibility:

Basic programming skills

Objectives:

Flutter is an open source framework to create high performance Mobile Application across operating systems Android & IOS. It provides a simple, powerful, efficient and easy to understand S.D.K to write mobile application in Google's own language DART.

Expected outcome:

By the end of this 4 day workshop the students will learn to build complex, beautiful and native-looking Mobile Apps and which equip them with an edge over the industry. Join us to explore the endless possibilities of FLUTTER.

Modules with hours:

7.5 hours/day
Total: 30hours

Assessment Method:

The session is totally a hands-on session with live mentorship, thereby assisting the students in enhancing their programming skills. References: flutter.dev ,pub.dev

OVERVIEW

Flutter is an open source framework to create high quality, high performance mobile applications across mobile operating systems - Android and iOS. It provides a simple, powerful, efficient and easy to understand SDK to write mobile application in Google's own language, Dart.

By the end of this course you can make Android and iOS apps with the help of Android Studio, and apply for Jobs as a Flutter Developer. This course also includes basics to build a Flutter App across platform i.e. 1 app code for Android, iOS, Web, Windows, MacOS, Linux.



DART

- Introduction
- Installation
- Data types

1. Numbers
2. Strings
3. Boolean
4. List
5. Map

- Operators

1. Arithmetic
2. Logical
3. Relational
4. Type test
5. Assignment

- Control statements

- Decision making

1. if...else
2. Nested if



MAITEXA

INTEGRATING MINDS

- Loops

1. While
2. Dowhile
3. For loop

- Jump Statement

1. Break
2. Continue

- Function
- OOP
 1. Class
 2. Object
 3. Inheritance
 4. Polymorphism
 5. Encapsulation
 6. Abstract Class
 7. Interface
- Constructor Implementation
- Getter, Setter
- Exception Handling
- Dart language Libraries and Generator

Task

Sudoku



MAITEXA

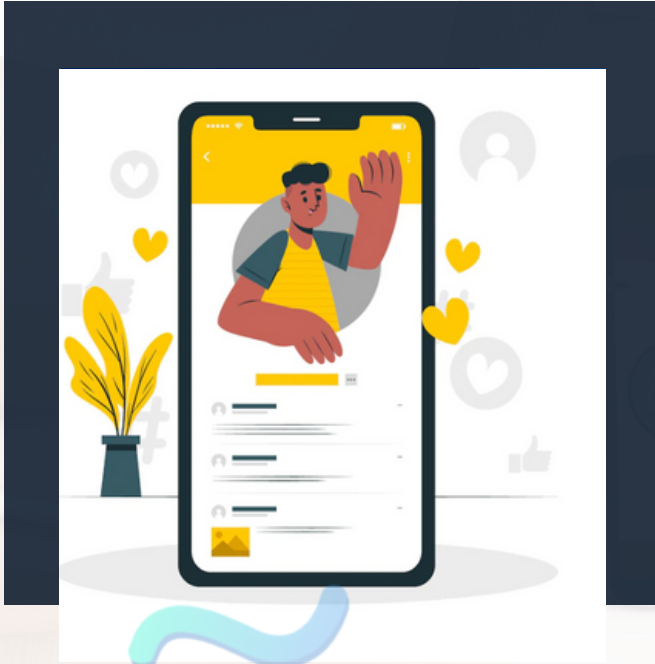
INTEGRATING MINDS

FLUTTER

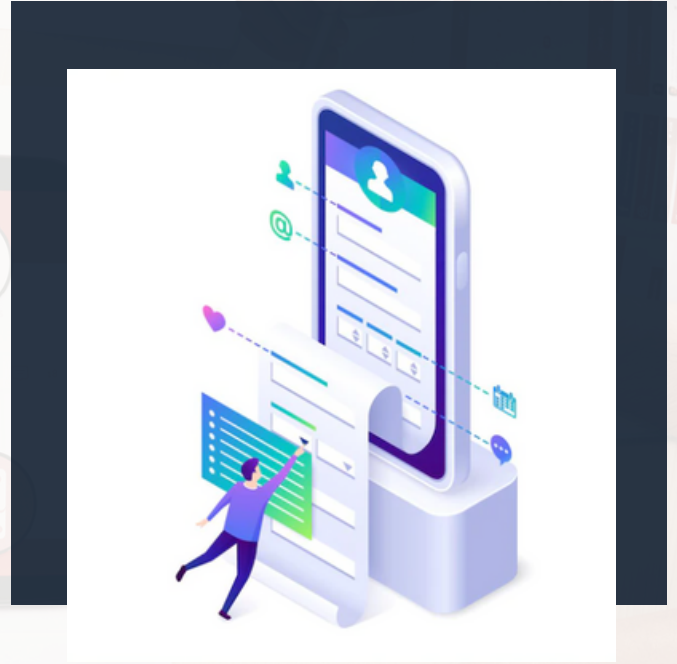
- What is Flutter
- Flutter Installation
- Flutter Architecture
- Async Operations

PROJECTS

1. Profile App



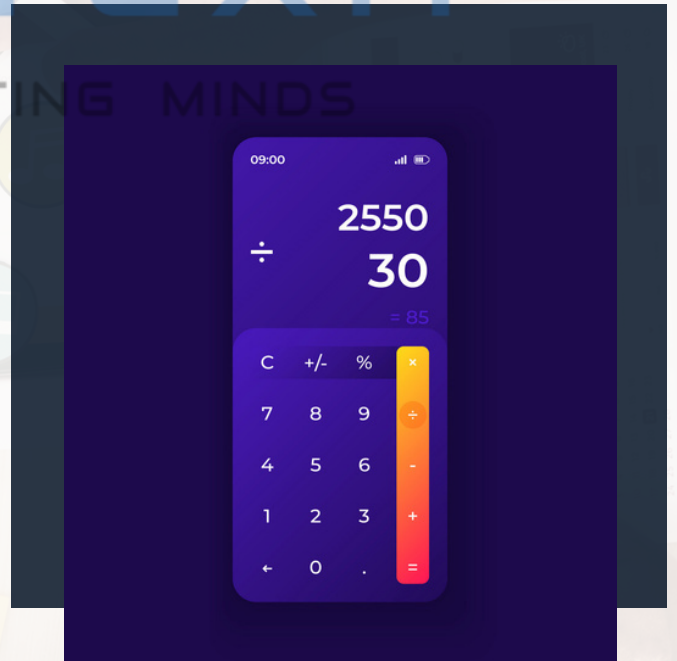
2. Login & Registration Page



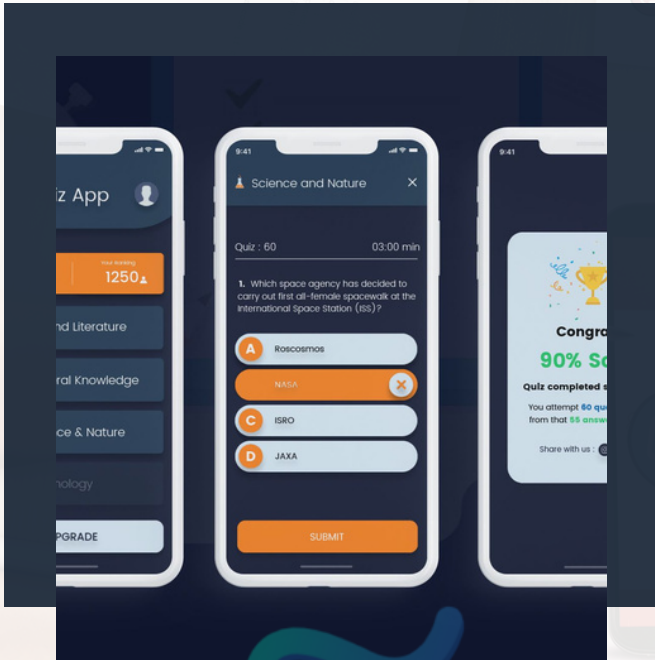
3. BMI Calculator



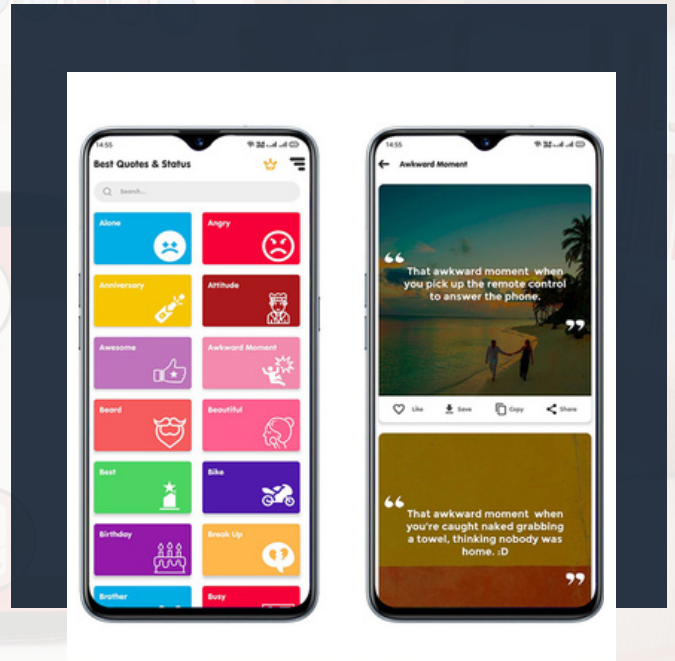
4. Calculator



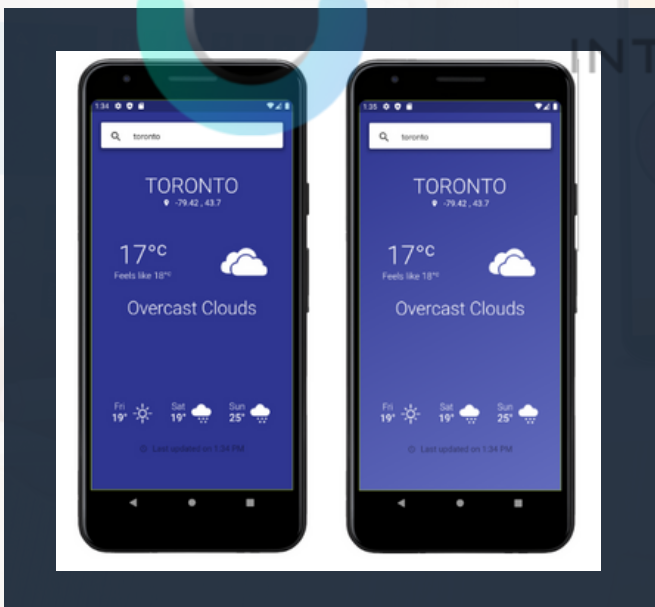
5. Quiz App



6. Quotes App(Web Scraping)



7. Weather App(API)



8. Flutter firebase integration



DETAILED SYLLABUS

PROFILE APP

- Introduction to basic widgets
 1. MaterialApp
 2. Scaffold
 3. AppBar
 4. Single child widgets
 5. Multi child widgets

LOGIN & REGISTRATION PAGE

- Text Field and style
- Text FormField class
- Buttons
- Checkbox ,Radio Button
- Icons
- Navigation
- Validation

Task

- About Me



TOSS UP

- Expand Class
- Image Widgets
- Random Class
- Dart Math Library

BMI CALCULATOR

- Theme Data Class
- Final,Const
- Flutter Package (Font)
- Gesture Detector Class
- Slider Class

CALCULATOR

- Function

Task

- Bill Split App

HANGMAN GAME

- Audio Player

QUIZ APP

- List
- RFlutter
- Class
- Object
- Abstract Class
- Constructor
- Inheritance
- Polymorphism
- Function



INTEGRATING MINDS

API

- Weather App
 1. Async and Await
 2. Introduction to API
 3. JSON
 4. State Class
 5. Fetching data from Internet

QUOTES APP

- Web Scraping
- Dynamic Navigation
- HTTP Package

FIREBASE

- Login and Registration
 1. Firebase Authentication
 2. CRUD Operation



INTEGRATING MINDS

ENROLEMENT REGISTER

SI No	Adm. No.	Name of Student	Signature
1.	CCFAD01-01	AHAMMED SINAN CP	
2.	CCFAD01-02	ASHAL HAMZA . C . P	
3.	CCFAD01-03	FASALUL HAQUE KA	
4.	CCFAD01-04	FASNA M V	
5.	CCFAD01-05	FATHIMA DHILSHANA M P	
6.	CCFAD01-06	FATHIMA RIFA PK	
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9.	CCFAD01-09	HASHIR.E.T	
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29.	CCFAD01-29	MOHAMMED FAHIM COT	
30.	CCFAD01-30	MOHAMMED NASEEF A K	

31.	CCFAD01-31	MUBASHIR ALI.K	<i>Mubashir</i>
32.	CCFAD01-32	MUHAMMAD NIHAL	<i>Nihal</i>
33.	CCFAD01-33	SHADIYA	<i>Shadiya</i>
34.	CCFAD01-34	SHAMNA SHERIN C	<i>Shamna Sherin C</i>
35.	CCFAD01-35	ABHINAV KRISHNA . S	<i>Abhinav Krishna . S</i>
36.	CCFAD01-36	AKHIL.N.K	<i>Akhil</i>
37.	CCFAD01-37	ARAVIND SAGAR V K	<i>Aravind Sagar V K</i>
38.	CCFAD01-38	ASHIQ ALI	<i>Ashiq Ali</i>
39.	CCFAD01-39	ASNA SHARIN PV	<i>Asna Sharin PV</i>
40.	CCFAD01-40	JUNAID ABDULLA MK	<i>Junaid Abdulla MK</i>
41.	CCFAD01-41	LESIN S	<i>Lesin S</i>
42.	CCFAD01-42	MIDHUN.C	<i>Midhun.C</i>
43.	CCFAD01-43	MOHAMED DILSHAD	<i>Mohamed Dilshad</i>
44.	CCFAD01-44	MOHAMMED JASIM	<i>Mohammed Jasim</i>
45.	CCFAD01-45	MUHAMMED ASIF C	<i>Muhammed Asif C</i>
46.	CCFAD01-46	MUNNA AK	<i>Munna AK</i>
47.	CCFAD01-47	SALMAN FARIS C P	<i>Salman Faris C P</i>
48.	CCFAD01-48	SHANA SHIRIN P	<i>Shana Shirin P</i>
49.	CCFAD01-49	SHEMIL RAHMAN. K.V	<i>Shemil Rahman. K.V</i>
50.	CCFAD01-50	SREEYUKTHA P	<i>Sreeyuktha P</i>
51.	CCFAD01-51	SUFAID RAHIMAN	<i>Sufaid Rahiman</i>
52.	CCFAD01-52	SUNESH T.K	<i>Sunesh T.K</i>
53.	CCFAD01-53	ASEEL.K.P	<i>Aseel.K.P</i>
54.	CCFAD01-54	DILSHAD BASITH . P	<i>Dilshad Basith . P</i>
55.	CCFAD01-55	DILSHAD.KT	<i>Dilshad.KT</i>
56.	CCFAD01-56	MASHITHA.P	<i>Mashitha.P</i>
57.	CCFAD01-57	MOHAMMED ANEES M	<i>Mohammed Anees M</i>
58.	CCFAD01-58	MOHAMMED FASIL.P	<i>Mohammed Fasil.P</i>
59.	CCFAD01-59	MOHAMMED RIZVAN NT	<i>Mohammed Rizvan NT</i>
60.	CCFAD01-60	MOHAMMED SHAKEEL C	<i>Mohammed Shakeel C</i>
61.	CCFAD01-61	MOHAMMED SHAMEEL V K	<i>Mohammed Shameel V K</i>
62.	CCFAD01-62	MUHAMED SALAHUDEEN P.P	<i>Muhammed Salahudeen P.P</i>
63.	CCFAD01-63	MUHAMMAD FAHMIN	<i>Muhammad Fahmin</i>

64.	CCFAD01-64	MUHAMMED BAHIZ.N	<i>Muham</i>
65.	CCFAD01-65	MUHAMMED SAHAD K C	<i>Sahad</i>
66.	CCFAD01-66	NAHYAN SHARVIN	<i>Nahyan</i>
67.	CCFAD01-67	SHAHAD RAHMAN P	<i>Shahad</i>
68.	CCFAD01-68	SUHANA FERVIN K	<i>Suhana</i>
69.	CCFAD01-69	ZAINUDHEEN JUMAN .P	<i>Zainudheen</i>
70.	CCFAD01-70	AFRA SHERIN.P	<i>Afra</i>
71.	CCFAD01-71	FATHIMA HAMNA P V	<i>Fathima</i>
72.	CCFAD01-72	GAYATHRY	<i>Gayathry</i>
73.	CCFAD01-73	HIBA FATHIMA.P.C	<i>Hiba</i>
74.	CCFAD01-74	HRIDUNADH .M	<i>Hridunadh</i>
75.	CCFAD01-75	KRISHNAPRIYA T P	<i>Krishna</i>
76.	CCFAD01-76	MIRFA B	<i>Mirfa</i>
77.	CCFAD01-77	MOHAMED SHIFIN.K	<i>Shifin</i>
78.	CCFAD01-78	MOHAMMED RIZIL	<i>Rizil</i>
79.	CCFAD01-79	MUHAMMED DILSHAN.K	<i>Dilshan</i>
80.	CCFAD01-80	NOOF ABDUL RAHEEM.A P	<i>Noof</i>
81.	CCFAD01-81	SALMANUL FARIS.T	<i>Salman</i>
82.	CCFAD01-82	SAYID RAYAN	<i>Sayid</i>
83.	CCFAD01-83	SHIBIL BASITH. C.P	<i>Shibil</i>
84.	CCFAD01-84	AKSHAY KUMAR . K	<i>Akshay</i>
85.	CCFAD01-85	ASWANTH.E.K	<i>Aswath</i>
86.	CCFAD01-86	BIBIN.C	<i>Bibin</i>
87.	CCFAD01-87	CHINJU.M	<i>Chinju</i>
88.	CCFAD01-88	DAICY DAS.P	<i>Daicy</i>
89.	CCFAD01-89	FASILA.KV	<i>Fasila</i>
90.	CCFAD01-90	FIDHA FARHA P	<i>Fidha</i>
91.	CCFAD01-91	IRFANA FASILA.K	<i>Irfana</i>
92.	CCFAD01-92	JITHIN ROSH.P	<i>Jithin</i>
93.	CCFAD01-93	KADEEJA HUDA A	<i>Kadeeja</i>
94.	CCFAD01-94	MAHANAS K K	<i>Mahanas</i>

ATTENDANCE REGISTER

Sl No	Adm. No.	Name of Student	Signature				
			20/12/22	21/12/22	22/12/22	23/12/22	
1.	CCFAD01-01	AHAMMED SINAN CP					
2.	CCFAD01-02	ASHAL HAMZA . C . P					
3.	CCFAD01-03	FASALUL HAQUE KA					
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63.	CCFAD01-63	MUHAMMAD FAHMIN	Fahmin	Fahmin	Fahmin	Fahmin	Fahmin
64.	CCFAD01-64	MUHAMMED BAHIZ.N	Bahiz	Bahiz	Bahiz	Bahiz	Bahiz
65.	CCFAD01-65	MUHAMMED SAHAD K C	Sahad	Sahad	Sahad	Sahad	Sahad
66.	CCFAD01-66	NAHYAN SHARVIN	Nahyan	Nahyan	Nahyan	Nahyan	Nahyan
67.	CCFAD01-67	SHAHAD RAHMAN P	Shahad	Shahad	Shahad	Shahad	Shahad
68.	CCFAD01-68	SUHANA FERVIN K	Suhana	Suhana	Suhana	Suhana	Suhana
69.	CCFAD01-69	ZAINUDHEEN JUMAN .P	Zainudheen	Zainudheen	Zainudheen	Zainudheen	Zainudheen
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74.	CCFAD01-74	HRIDUNADH .M	Hridunadh	Hridunadh	Hridunadh	Hridunadh	Hridunadh
75.	CCFAD01-75	KRISHNAPRIYA T P	Krishnapriya	Krishnapriya	Krishnapriya	Krishnapriya	Krishnapriya
76.	CCFAD01-76	MIRFA B	Mirfa	Mirfa	Mirfa	Mirfa	Mirfa
77.	CCFAD01-77	MOHAMED SHIFIN.K	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed
78.	CCFAD01-78	MOHAMMED RIZIL	Mohammed	Mohammed	Mohammed	Mohammed	Mohammed
79.	CCFAD01-79	MUHAMMED DILSHAN.K	Mohammed	Mohammed	Mohammed	Mohammed	Mohammed
80.	CCFAD01-80	NOOF ABDUL RAHEEM.A P	Noof	Noof	Noof	Noof	Noof
81.	CCFAD01-81	SALMANUL FARIS.T	Salmanul	Salmanul	Salmanul	Salmanul	Salmanul
82.	CCFAD01-82	SAYID RAYAN	Sayid	Sayid	Sayid	Sayid	Sayid
83.	CCFAD01-83	SHIBIL BASITH. C.P	Shibil	Shibil	Shibil	Shibil	Shibil
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86.	CCFAD01-86	BIBIN.C	Bibin	Bibin	Bibin	Bibin	Bibin
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90.	CCFAD01-90	FIDHA FARHA P	Fidha	Fidha	Fidha	Fidha	Fidha
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92.	CCFAD01-92	JITHIN ROSH.P	Jithin	Jithin	Jithin	Jithin	Jithin
93.	CCFAD01-93	KADEEJA HUDA A	Kadeeja	Kadeeja	Kadeeja	Kadeeja	Kadeeja
94.	CCFAD01-94	MAHANAS K K	Mahanas	Mahanas	Mahanas	Mahanas	Mahanas



CERTIFICATE OF PARTICIPATION

This is to certify that

Lesin S

has successfully participated in the four days

“ Flutter Workshop ”

held on 27-30 Dec 2022

Organized by

DEPARTMENT OF COMPUTER SCIENCE - EMEA COLLEGE , KONDOTTY



Date : 09-01-2023

Place : Calicut

A handwritten signature in black ink, appearing to read 'Maneesh Chandran K'.

MANEESH CHANDRAN K

Chief Technical Officer



EMEAC

COLLEGE OF ARTS AND SCIENCE, Kondotty
Aided by Govt. of Kerala, Affiliate to the University of Calicut
Re-accredited with "A" Grade by NAAC

P O Kumminiparamba – 673638
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CURRICULUM BASED ON

Certificate Course Introduction to Matlab

**Department of Physics and Mathematics
(Double Main)**

**2022-23
(Course Code: DMCC2223)**

SUMMARY REPORT

Report

MATLAB is a powerful tool that is commonly used in physics and mathematics for a wide range of applications. It provides an extensive set of functions and toolboxes that make it particularly well-suited for scientific and mathematical computations. MATLAB's versatility and extensive library of functions and toolboxes make it a valuable resource for professionals, researchers, and students in the fields of physics and mathematics. It is particularly well-suited for tasks that involve numerical computation, data analysis, and mathematical modelling. Additionally, its scripting and programming capabilities make it possible to create custom solutions for specific research or educational needs. Taking all this into account, Department of Mathematics and Physics, EMEA college of arts and Science, Kondotty determined to provide a certificate course in fundamentals of MATLAB entitled as "Introduction to MATLAB". This course is ideal for students who have little to no prior experience with MATLAB and want to build a solid foundation in its fundamentals.

Applications were invited from first year students of the Department and 30 students were enrolled for the programme. The course was started from 03/01/2023 with a timing of 3.30 to 4.30 pm, five days in a week. Dr. Abdul Rasheed Paloly, Dr. Ramsiya M, Ms. Suneena P.D. and Mr. Muhammed Ajmal P (Assistant Professors of the Department of Mathematics and Physics) were the resource persons. Both theory and practical classes were provided for the course. The course was completed on 22/02/2023 and an examination comprising of written as well as practical examination was conducted on 27/02/2023. Results were published on 28/02/2023 and certificates were distributed to students who secured at least 50 % marks. Supporting documents of the course are attached along with this report.



Dr. Abdul Rasheed Paloly, Course Co-ordinator

Certificate course in

Introduction to MATLAB

Duration: **36 hours**
Commencement : **3 Jan. 2023**



DEPARTMENT OF MATHEMATICS & PHYSICS
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY

Re-accredited with ' A' Grade by NAAC

Course Coordinator: Dr. Abdul Rasheed Paloly

Department of Mathematics and Physics
EMEA college of arts and Science, Kondotty
Syllabus for Certificate Course
Introduction to MATLAB (DMCC2223)

Course Description: This course is designed to introduce students to MATLAB, a high-level programming language and environment used in various fields, including mathematics, engineering, and science. Participants will learn the fundamentals of MATLAB, including data types, basic syntax, and key functionalities, enabling them to perform essential data analysis and scientific computations.

Course Objectives:

1. Understanding MATLAB Environment:

- Gain proficiency in navigating the MATLAB interface.
- Learn to use the Command Window and Script Editor effectively.

2. Basic Programming Concepts:

- Acquire fundamental programming concepts such as variables, data types, and operators.
- Develop skills in writing and executing MATLAB scripts.

3. Data Manipulation and Analysis:

- Explore techniques for importing, manipulating, and analyzing data using MATLAB.
- Learn to work with matrices and vectors for efficient data representation.

4. Plotting and Visualization:

- Master the art of creating 2D and 3D plots to visualize data.
- Understand customization options to enhance the clarity of visualizations.

5. **Control Flow and Decision-Making:**

- Gain proficiency in using control flow statements, including loops and conditional statements.
- Develop skills in writing structured and efficient MATLAB code.

6. **Functions and Scripting:**

- Learn to create and use functions for code modularity and reusability.
- Understand the difference between scripts and functions and their appropriate use.

7. **Symbolic Mathematics:**

- Explore MATLAB's symbolic toolbox for algebraic manipulation and calculus.
- Apply symbolic mathematics to solve engineering and mathematical problems.

Course Duration: 36 hours (5 days in a week, 1 hour per session)

Week 1: Introduction to MATLAB (3-hour theory + 2-hour practical)

- Overview of MATLAB
- MATLAB Interface and Environment
- Basic Operations and Syntax
- Variables and Data Types

Week 2: MATLAB Variables and Arrays (3-hour theory + 2-hour practical)

- Vectors and Matrices
- Indexing and Slicing
- Operations on Arrays
- Special MATLAB Variables

Week 3: MATLAB Functions and Scripting (3-hour theory + 2-hour practical)

- Writing and Running MATLAB Scripts
- Built-in MATLAB Functions
- Creating Custom Functions
- Function Input and Output

Week 4: MATLAB Control Structures (3-hour theory + 2-hour practical)

- Conditional Statements (if, else, elseif)
- Loops (for, while)
- Logical Operators
- Flow Control

Week 5: MATLAB Plotting (3-hour theory + 2-hour practical)

- Basic Plotting
- Customizing Plots
- Multiple Plots
- Saving and Exporting Plots

Week 6: MATLAB Data Import and Export (3-hour theory + 2-hour practical)

- Importing Data from Various Sources
- Data Manipulation
- Exporting Data
- Introduction to Data Visualization

Week 7: MATLAB Toolboxes (3-hour theory + 2-hour practical)

- Introduction to MATLAB Toolboxes
- Available Toolboxes in Various Disciplines
- Utilizing Toolboxes for Specialized Tasks
- Toolbox Installation and Management

Week 8: Advanced Topics and Course Review (1-hour theory)

- Additional Resources and Further Learning
- Review of Key Concepts
- Q&A and Course Evaluation

References

1. Getting started with MATLAB- Rudra Pratap, Oxford University Press.
2. "MATLAB for Engineers" by Holly Moore, Pearson Education Limited.
3. "MATLAB: A Practical Introduction to Programming and Problem Solving" by Stormy Attawa, Butterworth-Heinemann; 5th edition
4. Programming in MATLAB- Patel and Mittal, Pearson Education India
5. Web resource: www.mathworks.com

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Navigate the MATLAB environment with confidence.
2. Write, debug, and execute MATLAB scripts for various applications.
3. Manipulate and analyze data efficiently using MATLAB's built-in functions.
4. Create clear and visually appealing plots and visualizations.

5. Implement control flow structures for effective algorithm design.
6. Develop and use custom functions to modularize and organize code.
7. Apply symbolic mathematics to solve complex mathematical problems.
8. Utilize MATLAB as a tool for solving engineering and scientific problems.

This course will provide a solid foundation for further exploration of MATLAB and its applications in advanced courses and real-world projects.

Prerequisites: There are no formal prerequisites for this course. Basic knowledge of mathematics and computer science concepts is beneficial but not mandatory.

Who Should Attend:

- Students pursuing degrees in engineering, science, or mathematics.
- Professionals and researchers looking to enhance their computational and data analysis skills.
- Anyone interested in learning a versatile programming language for scientific and engineering applications.

STUDENTS BIODATA 202

202

Sl. No.	Name	Sex	Name, Address & Occupation of Guardian Mob. No./ Res Ph: No.
Adm No. 22BMPA030 UID No.	HUDA SAFNAS CT	F	<u>Huda</u>
Adm No. 22BMPA081 UID No.	MUSSAFIRA M	F	<u>Mussafira</u>
Adm No. 22BMPA082 UID No.	NADHA JABIN M	F	<u>Nadha</u>
Adm No. 22BMPA133 UID No.	FARHATH SHERIN	F	<u>Shere</u>
Adm No. 22BMPA166 UID No.	RAYAN BHALIR C	M	<u>Rayan</u>
Adm No. 22BMPA224 UID No.	SELVA MT	F	<u>Selva</u>
Adm No. 22BMPA230 UID No.	MANAL MOHAMMED	F	<u>Manal</u>
Adm No. 22BMPA245 UID No.	NASEEHA SHERIN	F	<u>Naseeha</u>
Adm No. 22BMPA293 UID No.	SAHLA JASMIN P	F	<u>Sahla</u>
Adm No. 22BMPA307 UID No.	ARSHAD ROSHAN EK	M	<u>Arshad</u>
Adm No. 22BMPA309 UID No.	MOHAMMED MUBASHIR	M	<u>Mubashir</u>
Adm No. 22BMPA314 UID No.	FASNA KP	F	<u>Fasna</u>
Adm No. 22BMPA335 UID No.	SHIFANA M	F	<u>Shifana</u>
Adm No. 22BMPA377 UID No.	MOHAMMED MIDLAJ KK	M	<u>Midraj</u>
Adm No. 22BMPA414 UID No.	AFNAN KC	F	<u>Afnan</u>
Adm No. 22BMPA422 UID No.	ASHIL SHAHEED KC	M	<u>Ashil</u>
Adm No. 22BMPA441 UID No.	FATHIMA VAFIYA P	F	<u>Fathima</u>

STUDENTS BIODATA 202

202

Sl. No.	Adm No.		Name	Sex	Name, Address & Occupation of Guardian Mob. No./ Res Ph: No.
	Adm No.	22BMPA457	FATHIMA NUSUHA · K	F	
	Adm No.	22BMPA465	SAMEERA SHEMI OP	F	
	Adm No.	22BMPA467	MUHAMMED SINAN · AC	M	
	Adm No.	22BMPA479	FAHMA PARVEEN · V	F	
	Adm No.	22BMPA481	HIFASITH YUSUF · K	M	
	Adm No.	22BMPA484	JUMANA SHERIN · TP	F	
	Adm No.	22BMPA512	IRFANA P	F	
	Adm No.	22BMPA519	MUHAMMED SHIBIL · OK	M	
	Adm No.	22BMPA523	FATHIMA FIDA · Y	F	
	Adm No.	22BMPA530	SHAMNU JIHAN · P	F	
	Adm No.	22BMPA535	ANSAF · PK	M	
	Adm No.	22BMPA571	MUHAMMED MIDLAJ · KT	M	
	Adm No.	22BMPA573	MINHA	F	
	Adm No.				
	Adm No.				
	Adm No.				
	Adm No.				

EMEA College of Arts and Science

Department of Mathematics and Physics

Certificate Course Examination 2022-23

DMCC2223- Introduction to MATLAB

Roll no:

Time: 1 Hour

Maximum: 50 Marks

Answer all questions

Each carrying 2 marks.

No negative marking

1. What does the acronym MATLAB stand for?
 - a) Matrix Laboratory
 - b) Mathematical Laboratory
 - c) Multi-variable Analysis Tool
 - d) None of the above
2. Which command is used to clear all the variables from the MATLAB workspace?
 - a) clear
 - b) delete
 - c) reset
 - d) clean
3. What is the default extension for MATLAB script files?
 - a) .m
 - b) .mat
 - c) .script
 - d) .ml

4. How do you comment a single line in MATLAB?
 - a) // This is a comment
 - b) /* This is a comment */
 - c) % This is a comment
 - d) # This is a comment

5. What does the "disp" function do in MATLAB?
 - a) Display the current directory
 - b) Display the contents of a matrix
 - c) Display the plot of a function
 - d) Display the command history

6. Which command is used to create a 3x3 identity matrix in MATLAB?
 - a) eye(3)
 - b) ones(3)
 - c) zeros(3)
 - d) rand(3)

7. How do you concatenate two matrices horizontally in MATLAB?
 - a) vertcat
 - b) hcat
 - c) cat
 - d) horzcat

8. What is the purpose of the "linspace" function in MATLAB?
 - a) Generate a vector of equally spaced values
 - b) Calculate the eigenvalues of a matrix
 - c) Find the inverse of a matrix
 - d) Compute the cross product of two vectors

9. Which command is used to save the current workspace variables to a file in MATLAB?
- a) save
 - b) export
 - c) write
 - d) store
10. How do you define a function in MATLAB?
- a) function myFunction()
 - b) def myFunction():
 - c) function = myFunction()
 - d) def = myFunction
11. Which MATLAB function is used to find the square root of a number?
- a) sqrt()
 - b) sqr()
 - c) root()
 - d) square_root()
12. What is the correct syntax to create a row vector in MATLAB?
- a) row_vector = [1 2 3]
 - b) row_vector = (1, 2, 3)
 - c) row_vector = {1, 2, 3}
 - d) row_vector = [1; 2; 3]
13. Which function is used to generate a sequence of numbers in MATLAB?
- a) linspace()
 - b) range()
 - c) sequence()
 - d) array()
14. What does the 'plot' function do in MATLAB?
- a) Display a 3D plot
 - b) Display a 2D plot

- c) Plot a bar graph
 - d) Plot a histogram
15. How do you concatenate two matrices vertically in MATLAB?
- a) vertcat()
 - b) concat()
 - c) vcat()
 - d) merge()
16. What is the purpose of the 'rand' function in MATLAB?
- a) Generate a random number
 - b) Randomize the elements of a matrix
 - c) Create a random vector
 - d.) All of the above
17. Which of the following commands is used to clear all variables from the workspace in MATLAB?
- a) clean
 - b) clc
 - c) clear
 - d) remove
18. What does the disp function do in MATLAB?
- a) Displays the contents of a matrix
 - b) Disables plotting
 - c) Clears the command window
 - d) Displays text or variables in the command window
19. To create a row vector with values ranging from 1 to 10 with a step of 2, which command would you use?
- a) 1:10:2
 - b) 1:2:10
 - c) 1:2

- d) `linspace(1, 10, 2)`
20. What does the length function in MATLAB return?
- a) Number of columns in a matrix
 - b) Number of rows in a matrix
 - c) Number of elements in a matrix
 - d) Size of a matrix
21. Which command is used to import data from a CSV file into MATLAB?
- a) `load`
 - b) `importdata`
 - c) `csvread`
 - d) `readcsv`
22. What does the subplot function in MATLAB do?
- a) Creates a new figure window
 - b) Divides the current figure into multiple subplots
 - c) Changes the color of the plot
 - d) Plots a 3D surface
23. What is the correct syntax for creating a row vector with elements 1, 2, 3?
- a) `vec = [1; 2; 3];`
 - b) `vec = [1, 2, 3];`
 - c) `vec = (1, 2, 3);`
 - d) `vec = {1, 2, 3};`
24. What does the 'clc' command do in MATLAB?
- a) Clears the command window
 - b) Clears the current figure
 - c) Clears the workspace
 - d) All of the above
25. Which command is used to save the current figure in MATLAB?

a) savefig

b) saveplot

c) savefigure

d) saveas

Certificate Course Examination Mark list

Roll No	Student Name	Mark (Maximum 50)
1	FAHMA PARVEEN. V	43
2	FARHATH SHERIN	41
3	FASNA KP	38
4	FATHIMA FIDA V	40
5	FATHIMA VAFIYA P	42
7	IRFANA. P	40
8	JUMANA SHIRIN T P	43
9	MANAL MOHAMMED	39
10	MINHA	37
11	NADHA JABIN M	41
12	SAHLA JASMIN P	39
13	SAMEERA SHEMI OP	40
14	SHAMNU JIHAN P	42
15	SHIFANA.M	43
16	ANSAF PK	30
17	ARSHAD ROSHAN. EK	42
18	MOHAMMED MIDLAJ K K	40
19	MOHAMMED MUBASHIR MP	39
20	MOHAMMED SINAN A C	40
21	MUHAMMED MIDLAJ K T	38
22	AFNAN KC	43
23	HUDA SAFNAS C T	46
24	MUSSAFIRA .M	44
25	NASEEHA SHERIN	42
26	SELVA M.T	40
27	ASHIL SHAHEED KC	35
28	FATHIMA NUSUHA.K	40
29	HIFASITH YUSUF K	38
30	MUHAMMED SHIBIL OK	32
31	RAYAN SHALIR C	40



DEPARTMENT OF MATHEMATICS AND PHYSICS
EMEA COLLEGE OF ARTS & SCIENCE - KONDOTTY

Aided by Govt. of Kerala | Affiliated to the University of Calicut | Re-accredited with 'A' Grade by NAAC

Certificate

This is to certify that Mr./Mrs Huda Safnas CT

has successfully completed the Certificate Course titled "Introduction to MATLAB"
conducted by **Department of Mathematics and Physics, EMEA College Of Arts and
Science, Kondotty** during the period of 2022-2023

Coordinator

Head of the Department

Coordinator, IQAC

Principal

Date: 28/02/2023



EMEAC

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CURRICULUM BASED ON

Certificate Course in Research Methodology and Data Analysis Using Excel

Department of Economics

2022-23

(Course Code: CCEC22)

SUMMARY REPORT

PG & RESEARCH DEPARTMENT OF ECONOMICS



CERTIFICATE COURSE IN

RESEARCH METHODOLOGY AND DATA ANALYSIS USING EXCEL

(CCEC22)

Duration: 30 Hrs
Commencement: 12/12/22

**Register
Now!**

Course Coordinator: **Dr. Ibrahim Cholakkal**
(Associate Professor of Economics) - 9946428776



INTERNAL QUALITY ASSURANCE CELL
EMEA College of Arts and Science, Kondotti

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EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
CERTIFICATE COURSE IN RESEARCH METHODOLOGY AND DATA
ANALYSIS USING EXCEL

Course Code: CCEC22

Offered by

POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS

About the Course

The course is framed to provide an experiential learning. You will learn about survey research by designing and conducting research by using different survey methods. The course is relevant to both quantitative and qualitative researchers who want to understand the nuts and bolts of survey methods. The basic theoretical concepts for conducting survey research, the method of analysis and final report writing are included in the course. This course is offered to UG fifth semester students (2022-23) of department of economics. This is a 30 hour course.

The programme was inaugurated by Prof. Mohammed Najeeb.PM (HoD) on 12-02-2023. Dr Ibrahim Cholakkal chaired the session. 44 students from fifth semester BA Economics were enrolled and successfully completed the course

Course Objectives

1. To provide an understanding of fundamentals of social research
2. To discuss about Research Methodology and Research Methods
3. To discuss the different forms of research and its applications
4. To understand various tools, techniques and methods of data collection and to identify their applications in different contexts.
5. To provide a survey experience through the field survey
6. To make use of Microsoft Excel

Expected Course Outcome

This course helps to improve both theoretical and practical knowledge in survey research. It provides a real field experience in data collection. It provides the knowledge to apply different statistical tools properly. It provides the

knowledge to use the statistical packages for social science research –Moreover it improves the employability of students as a researcher.

Class Time Table

Sl No	Date	Topic	Faculty
1	12/12/23	Introduction	Abid Rahman K A
2	17/12/23	Social Science Research	Abid Rahman K A
3	13/01/23	Data Collection	Abid Rahman K A
4	25/01/23	Data Presentation	Abdul Rasheed
5	27/01/23	Microsoft Excel	Dr Ibrahim Cholakkal
6	03/02/23	Analysis & interpretation of result	Abdul Rasheed
7	04/02/23	Microsoft Excel 2	Abid Rahman K A
8	01/03/23	Outcome Assessment Test	

Assessment Method:

1. Seminar : 10 Marks
2. Assignment : 10 Marks
3. Attendance :10 Marks
4. Exam :70 Marks

Total :100 Marks

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
**CCEC22- CERTIFICATE COURSE IN RESEARCH METHODOLOGY
AND DATA ANALYSIS USING EXCEL**
OFFERED BY
POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS
SYLLABUS

Total Hours: 30

Module 1: Fundamentals of Social Research and Data Collection (10 Hours)

What is research- Purpose of research- social Science Research-Meaning and scope- Types of research-Quantitative and Qualitative research- Research methods versus methodology-Research Problem- Types of Data-Primary and Secondary-Methods of Primary data collection - Observation-Local correspondence-Interview, Questionnaire, Schedule. Features of good questionnaire –Sample Data collection

Module 2: Data Presentation (5 Hours)

Classification of Data - Tabular Presentation - Graphs and Diagrams

Module 3 : Data Analysis using Microsoft Excel (15 Hours)

Introduction to Microsoft Excel- Data entering in spread sheet of Excel–Analysis-interpretation of result

References:

1. Renjit Kumar(2011) Research Methodology- a step-by-step guide for beginners, Sage South Asia Edition.
2. Kothari (2009), Research Methodology: Methods and Techniques, New Age International Publishers.
3. Krishnaswamy .O., (2004), social Research Methods, New Delhi, Himalaya publishers
4. Ahuja, Ram (2001) Research Methods, Rawat Publications, New Delhi
5. Groves, R.M., et al. (2009). Survey Methodology Second Edition. Wiley-inter science.
6. Hooda.R.P (2012) Statistics for Business and Economics-Third Edition.
7. Gupta Vikas (2014) Comdex Computer Course Kit (XP Edition)
8. Pandya Kiran.et.al., (2017) SPSS in Simple Steps.

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
CERTIFICATE COURSE IN RESEARCH METHODOLOGY AND DATA
ANALYSIS USING EXCEL

Course Code: CCEC22

12/12/2022 to 01/03/23

Offered by

POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS

Students Enrollment List

R. No	Student Name	Admission
1	AHNA.P.P	
2	AYISHA NIMSHI.P	
3	FASNA.K	
4	FATHIMA HAIFA.P.T	
5	FATHIMA MISNA.P.K	
6	FATHIMA NISLA.P.V	
7	FEMINA.P.K	
8	HASNA EDACKKANDAN	
9	MUHAMMED ASHIQUE.K	
10	MUHSINA THASNEEM.K.K	
11	NAJIYA NASRI.P	
12	NAJIYA PARVEEN.P	
13	NASIMA SHARI.P.T	
14	NASIYA FARSANA.U.K	
15	NISHWAN.A.P	
16	RIFNA BHANU.A.K	
17	SANA.A	
18	SIYANATHASNEEM.C.T	
19	FASNA.N	
20	FATHIMA LUBABA.P	
21	NUHMA SHALSHATHI.P	
22	SAFWA BASHEER	
23	ABDULLA KUTTY SULTHAN.M.K	
24	ABHINAV.B	

25	AMNA IBRAHIM KP	<u>Amna</u>
26	AMRUTHA V	<u>Amrutha</u>
27	ANUSREE.V	<u>Anusree</u>
28	APARNA.K	<u>Aparna</u>
29	ASWIN.T	<u>Aswin</u>
30	ATHILA.C	<u>Athila</u>
31	BINSIYA.K.P	<u>Binsiya</u>
32	FATHIMA SHAIMA C	<u>Fathima</u>
33	JINSHA V	<u>Jinsha</u>
34	KRISHNENDU.P	<u>Krishnu</u>
35	MEGHA K	<u>Megha</u>
36	PRANAV.P	<u>Pranav</u>
37	RAHNA M	<u>Rahna</u>
38	SHAKEEFA KN	<u>Shakeefa</u>
39	SHAMNA SHERIN.K.A	<u>Shamna</u>
40	SHAMSIYA SHERIN.T.P	<u>Shamsiya</u>
41	SISHIRA M P	<u>Sishira</u>
42	VISHNUPRIYA.TV	<u>Vishnu</u>
43	FAHMIDA. K	<u>Fahmida</u>
44	MARVA.E	<u>Marva</u>



EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
CERTIFICATE COURSE IN RESEARCH METHODOLOGY AND DATA
ANALYSIS USING EXCEL

Course Code: CCEC22
POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS

Attendance Sheet

Admission No	College Adm.No	Student Name	25/2/23	4/3/2023	25/3/2023	3/4/2023
1	20BECA234	AHNA.P.P	<u>Ahna</u>	<u>Ahna</u>	<u>Ahna</u>	<u>Ahna</u>
2	20BECA235	AYISHA NIMSHI.P	<u>Ayisha</u>	<u>Ayisha</u>	<u>Ayisha</u>	<u>Ayisha</u>
3	20BECA005	FASNA.K	<u>Fasna</u>	<u>Fasna</u>	<u>Fasna</u>	<u>Fasna</u>
4	20BECA479	FATHIMA HAIFA P.T	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>
5	20BECA411	FATHIMA MISNA PK	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>
6	20BECA454	FATHIMA NISLA.PV	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>
7	20BECA438	FEMINA P K	<u>Femina</u>	<u>Femina</u>	<u>Femina</u>	<u>Femina</u>
8	20BECA292	HASNA EDACKANDAN	<u>Hasna</u>	<u>Hasna</u>	<u>Hasna</u>	<u>Hasna</u>
9	20BECA550	MUHAMMED ASHIQUE.K	<u>Muhammed</u>	<u>Muhammed</u>	<u>Muhammed</u>	<u>Muhammed</u>
10	20BECA290	MUHSINA THASNEEM K.K	<u>Muhsina</u>	<u>Muhsina</u>	<u>Muhsina</u>	<u>Muhsina</u>
11	20BECA555	NAJIYA NASRI.P	<u>Najiya</u>	<u>Najiya</u>	<u>Najiya</u>	<u>Najiya</u>
12	20BECA341	NAJIYA PARVEEN.P	<u>Najiya</u>	<u>Najiya</u>	<u>Najiya</u>	<u>Najiya</u>
13	20BECA520	NASIMA SHARI P T	<u>Nasima</u>	<u>Nasima</u>	<u>Nasima</u>	<u>Nasima</u>
14	20BECA083	NASIYA FARSANA U K	<u>Nasiya</u>	<u>Nasiya</u>	<u>Nasiya</u>	<u>Nasiya</u>
15	20BECA516	NISHWAN.A.P	<u>Nishwan</u>	<u>Nishwan</u>	<u>Nishwan</u>	<u>Nishwan</u>
16	20BECA220	RIFNA BHANU.A K	<u>Rifna</u>	<u>Rifna</u>	<u>Rifna</u>	<u>Rifna</u>
17	20BECA015	SANA.A	<u>Sana</u>	<u>Sana</u>	<u>Sana</u>	<u>Sana</u>
18	20BECA230	SIYANATHASNEEM.C.T	<u>Siyana</u>	<u>Siyana</u>	<u>Siyana</u>	<u>Siyana</u>
19	20BECA403	FASNA N	<u>Fasna</u>	<u>Fasna</u>	<u>Fasna</u>	<u>Fasna</u>
20	20BECA076	FATHIMA LUBABA.P	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>	<u>Fathima</u>
21	20BECA163	NUHMA SHALSHATHI.P	<u>Nuhma</u>	<u>Nuhma</u>	<u>Nuhma</u>	<u>Nuhma</u>
22	20BECA227	SAFWA BASHEER	<u>Safwa</u>	<u>Safwa</u>	<u>Safwa</u>	<u>Safwa</u>
23	20BECA308	ABDULLA KUTTY SULTHAN MK	<u>Abdulla</u>	<u>Abdulla</u>	<u>Abdulla</u>	<u>Abdulla</u>

24	20BECA077	ABHINAV.B	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>
25	20BECA440	AMNA IBRAHIM KP	<u>AM</u>	<u>AM</u>	<u>AM</u>	<u>AM</u>
26	20BECA424	AMRUTHA V	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>
27	20BECA275	ANUSREE.V	<u>Anusree</u>	<u>Anusree</u>	<u>Anusree</u>	<u>Anusree</u>
28	20BECA536	APARNA.K	<u>AP</u>	<u>AP</u>	<u>AP</u>	<u>AP</u>
29	20BECA268	ASWIN.T	<u>AS</u>	<u>AS</u>	<u>AS</u>	<u>AS</u>
30	20BECA231	ATHILA.C	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>
31	20BECA337	BINSIYA.K.P	<u>BM</u>	<u>BM</u>	<u>BM</u>	<u>BM</u>
32	20BECA349	FATHIMA SHAIMA C	<u>Shaima</u>	<u>Shaima</u>	<u>Shaima</u>	<u>Shaima</u>
33	20BECA484	JINSHA V	<u>J</u>	<u>J</u>	<u>J</u>	<u>J</u>
34	20BECA385	KRISHNENDU.P	<u>Krishna</u>	<u>Krishna</u>	<u>Krishna</u>	<u>Krishna</u>
35	20BECA521	MEGHA K	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>
36	20BECA535	PRANAV.P	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>
37	20BECA114	RAHNA M	<u>Rab</u>	<u>Rab</u>	<u>Rab</u>	<u>Rab</u>
38	20BECA406	SHAKEEFA KN	<u>Sha</u>	<u>Sha</u>	<u>Sha</u>	<u>Sha</u>
39	20BECA022	SHAMNA SHERIN.K.A	<u>Sherna</u>	<u>Sherna</u>	<u>Sherna</u>	<u>Sherna</u>
40	20BECA319	SHAMSIYA SHERIN.T.P	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>
41	20BECA548	SISHIRA M P	<u>Sis</u>	<u>Sis</u>	<u>Sis</u>	<u>Sis</u>
42	20BECA130	VISHNUPRIYA.T.V	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>
43	22RBEC001	FAHMIDA. K	<u>Fah</u>	<u>Fah</u>	<u>Fah</u>	<u>Fah</u>
44	22RBEC002	MARVA.E	<u>Marva</u>	<u>Marva</u>	<u>Marva</u>	<u>Marva</u>

**EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
CERTIFICATE COURSE IN RESEARCH METHODOLOGY AND DATA
ANALYSIS USING EXCEL**

**Course Code: CCEC22
POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS**

Attendance Sheet

Admission No	College Adm.No	Student Name	10/4/23	24/4/23	6/5/23	15/5/23
1	20BECA234	AHNA.P.P				
2	20BECA235	AYISHA NIMSHI.P				
3	20BECA005	FASNA.K				
4	20BECA479	FATHIMA HAIFA P.T				
5	20BECA411	FATHIMA MISNA PK				
6	20BECA454	FATHIMA NISLA.PV				
7	20BECA438	FEMINA P K				
8	20BECA292	HASNA EDAKKANDAN				
9	20BECA550	MUHAMMED ASHIQUE.K				
10	20BECA290	MUHSINA THASNEEM K.K				
11	20BECA555	NAJIYA NASRI.P				
12	20BECA341	NAJIYA PARVEEN.P				
13	20BECA520	NASIMA SHARI P T				
14	20BECA083	NASIYA FARSANA U K				
15	20BECA516	NISHWAN.A.P				
16	20BECA220	RIFNA BHANU.A K				
17	20BECA015	SANA.A				
18	20BECA230	SIYANATHASNEEM.C.T				
19	20BECA403	FASNA N				
20	20BECA076	FATHIMA LUBABA.P				
21	20BECA163	NUHMA SHALSHATHI.P				
22	20BECA227	SAFWA BASHEER				
23	20BECA308	ABDULLA KUTTY SULTHAN MK				

24	20BECA077	ABHINAV.B	A	A	A	A
25	20BECA440	AMNA IBRAHIM KP	AM	AM	AM	AM
26	20BECA424	AMRUTHA V	A	A	A	A
27	20BECA275	ANUSREE.V	Anusree	Anusree	Anusree	Anusree
28	20BECA536	APARNA.K	AP	AP	AP	AP
29	20BECA268	ASWIN.T	AS	AS	AS	AS
30	20BECA231	ATHILA.C	A	A	A	A
31	20BECA337	BINSIYA.K.P	Bm	Bm	Bm	Bm
32	20BECA349	FATHIMA SHAIMA C	Shaima	Shaima	Shaima	Shaima
33	20BECA484	JINSHA V	J	J	J	J
34	20BECA385	KRISHNENDU.P	Krish	Krish	Krish	Krish
35	20BECA521	MEGHA K	K	K	K	K
36	20BECA535	PRANAV.P	Pranav	Pranav	Pranav	Pranav
37	20BECA114	RAHNA M	Rah	Rah	Rah	Rah
38	20BECA406	SHAKEEFA KN	Sha	Sha	Sha	Sha
39	20BECA022	SHAMNA SHERIN.K.A	Shaina	Shaina	Shaina	Shaina
40	20BECA319	SHAMSIYA SHERIN.T.P	Sh	Sh	Sh	Sh
41	20BECA548	SISHIRA M P	Sis	Sis	Sis	Sis
42	20BECA130	VISHNUPRIYA.T.V	Priya	Priya	Priya	Priya
43	22RBEC001	FAHMIDA. K	Fa	Fa	Fa	Fa
44	22RBEC002	MARVA.E	Merve	Merve	Merve	Merve

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS

CERTIFICATE COURSE IN SURVEY RESEARCH AND DATA ANALYSIS

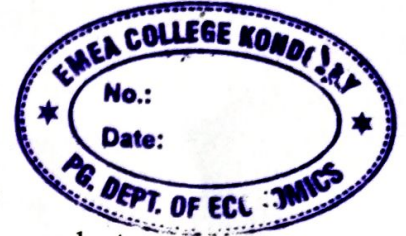
Course Code: CCEC22
Outcome Assessment Test

Time: 30 Minutes

Total Marks 70

Marks- 68

Nasiya Forsana UK
(Answer all Questions, each carries 2 Marks)



1. What is the primary purpose of research?
 A. To gather information
B. To contribute to knowledge
C. To entertain
D. To promote a product
2. Which discipline does social science research primarily focus on?
A. Biology
B. Chemistry
C. Physics
D. Human behavior and societal issues ✓
3. What distinguishes quantitative research from qualitative research?
A. Focus on numbers and statistics
B. Focus on understanding behavior and experiences
C. Both A and B ✓
D. None of the above
4. What is the difference between research methods and methodology?
A. Methods refer to specific techniques; methodology is the overall approach ✓
B. Methodology refers to specific techniques; methods is the overall approach
C. Both terms are synonymous
D. None of the above
5. What is a research problem?
A. A question asked in an interview
B. A specific issue or question addressed by research ✓
C. A mathematical equation
D. A hypothesis
6. What is the main focus of quantitative research?
A. Understanding behavior and experiences
B. Gathering numerical data and performing statistical analysis ✓
C. Describing human interactions
D. Exploring cultural norms
7. What are the two types of data mentioned in the syllabus?
A. Primary and Secondary ✓
B. Qualitative and Quantitative
C. Experimental and Observational
D. Categorical and Continuous
8. What is a feature of a good questionnaire?
A. It is lengthy and detailed
B. It is clear, concise, and relevant ✓
C. It includes leading questions
D. It only includes closed-ended

20. How is
9. What is a method of primary data collection?
- A. Reading books and articles
 - B. Conducting interviews
 - C. Analyzing existing datasets
 - D. Observing from a distance
10. What does SPSS stand for?
- A. Statistical Program for Social Sciences
 - B. Software for Processing and Statistical Analysis
 - C. Systematic Program for Social Studies
 - D. Statistical Processing and Survey Software
11. How can data be presented in a tabular form?
- A. Graphs
 - C. Tables
 - B. Charts
 - D. Diagrams
12. Which form of data presentation is effective for showing trends over time?
- A. Graphs
 - B. Tables
 - C. Charts
 - D. Diagrams
13. In data classification, what is a category called?
- A. Class
 - C. Group
 - B. Type
 - D. Set
14. What type of presentation is suitable for comparing different categories within a dataset?
- A. Graphs
 - B. Charts
 - C. Tables
 - D. Diagrams
15. What is the purpose of data classification?
- A. To organize data into meaningful groups
 - B. To perform statistical analysis
 - C. To collect primary data
 - D. To present data visually
16. What is the purpose of Microsoft Excel in data analysis?
- A. To enter and organize data
 - B. To conduct qualitative research
 - C. To perform advanced statistical tests
 - D. To create surveys
17. Which software is specifically designed for statistical analysis?
- A. Microsoft Word
 - B. Microsoft PowerPoint
 - C. Microsoft Excel
 - D. SPSS
18. What is data coding in the context of data analysis?
- A. Assigning numerical values to qualitative data
 - B. Encrypting data for security
 - C. Organizing data into spreadsheets
 - D. Creating graphs and charts
19. What is the role of SPSS in data analysis?
- A. It allows for advanced statistical analysis
 - B. It is used for data entry only
 - C. It is a word processing software
 - D. It is primarily used for data visualization

20. How is data entered in a spreadsheet in Microsoft Excel or SPSS?
- A. By typing directly into cells
 - B. By scanning physical documents
 - C. By using a barcode scanner
 - D. By voice recognition software
21. What is the primary aim of qualitative research?
- A. To gather numerical data
 - B. To understand behavior and experiences
 - C. To perform statistical analysis
 - D. To test hypotheses
22. Which of the following is an example of secondary data?
- A. Survey responses collected for a specific study
 - B. Census data published by a government agency
 - C. Observations made during a field study
 - D. Experimental data collected in a lab
23. What is a key advantage of using interviews as a method of data collection?
- A. They are less time-consuming
 - B. They allow for in-depth exploration of topics
 - C. They eliminate researcher bias
 - D. They are suitable for large sample sizes
24. In research, what does the term "sampling" refer to?
- A. Analyzing data for patterns
 - B. Selecting a subset of the population for study
 - C. Creating graphs and charts
 - D. Conducting interviews with expert
25. Which of the following is NOT a feature of good questionnaire design?
- A. Avoiding leading questions
 - B. Ensuring questions are clear and concise
 - C. Including subjective and open-ended questions only
 - D. Using a logical flow of questions
26. What type of graph is used to represent categorical data?
- A. Bar chart
 - B. Line graph
 - C. Scatter plot
 - D. Histogram
27. When might a pie chart be an effective way to present data?
- A. When comparing trends over time
 - B. When showing the distribution of a whole into its parts
 - C. When displaying continuous data
 - D. When visualizing relationships between variables
28. What is the purpose of labeling axes in a graph or chart?
- A. To make the graph visually appealing

- B. To provide context and clarity to the data
C. To highlight specific data points
D. To add complexity to the presentation
29. What is a histogram used for?
A. Representing trends over time
 B. Displaying the distribution of continuous data
C. Comparing different categories
D. Showing relationships between variables
30. In tabular presentation, what is the role of columns?
A. Displaying categories or groups
B. Providing a visual representation of data
 C. Organizing data vertically
D. Representing numerical values
31. In SPSS, what is the purpose of the "Descriptive Statistics" function?
A. To summarize and describe the characteristics of a dataset
B. To perform advanced regression analysis
C. To conduct hypothesis testing
D. To create visualizations
32. What is a key advantage of using a spreadsheet software like Microsoft Excel for data analysis?
A. It allows for advanced statistical modeling
B. It provides a user-friendly interface for data entry and manipulation
C. It is specialized for qualitative research
D. It can only handle small datasets
33. What does "data interpretation" involve in the context of data analysis?
A. Entering data into a spreadsheet
B. Drawing meaningful conclusions and insights from the data
C. Organizing data into tables
D. Creating visual representations of data
34. When might you use a scatter plot in data analysis?
A. To display the distribution of categorical data
B. To show the relationship between two continuous variables
C. To compare different categories within a dataset
D. To represent trends over time
35. What is the purpose of coding data in statistical analysis?
A. To encrypt the data for security
B. To assign numerical values to qualitative data for analysis
C. To organize data into spreadsheets
D. To create visualizations



**PG AND RESEARCH DEPARTMENT OF ECONOMICS
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**

(RE-ACCREDITED WITH A GRADE BY NAAC)

CERTIFICATE

This is to certify that Ms/Mr **AHNA.P.P**

..... has successfully completed the certificate course titled **“RESEARCH**

METHODOLOGY AND DATA ANALYSIS USING EXCEL” conducted by PG and Research Department of Economics,

EMEA College of Arts and Science, Kondotti from 12-12-22 to 01-03-23.

Course Coordinator

Head of the Department

IQAC Coordinator

Principal



**PG AND RESEARCH DEPARTMENT OF ECONOMICS
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**

(RE-ACCREDITED WITH A GRADE BY NAAC)

CERTIFICATE

This is to certify that Ms/Mr **AYISHA NIMSATH P**

..... has successfully completed the certificate course titled **‘RESEARCH**

METHODOLOGY AND DATA ANALYSIS USING EXCEL’ conducted by PG and Research Department of Economics,

EMEA College of Arts and Science, Kondotti from 12-12-22 to 01-03-23.

Course Coordinator

Head of the Department

IQAC Coordinator

for Principal



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Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

CURRICULUM BASED ON

Certificate Course - Basics in German Language

**Department of English in association
with Foreign Language Club**

2022-23

(Course Code: FLBGL01)

SUMMARY REPORT



EMEAC

COLLEGE OF ARTS AND SCIENCE, Kondotty
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Brochure

IQAC

FLBGL01
BASICS IN
GERMAN
LANGUAGE

 **01 SEP 2022**
 **36 Hours**

Coordinator: Ms. Abidha KP
+91 9847370984

 **Internal Quality Assurance Cell (IQAC)**
EMEAC College of Arts and Science, Kondotti
Reaccredited by NAAC with A Grade



About the Course:

- The Course is meant to be an introduction to German language that helps the learners to grasp the basic sentence structure and build a foundational vocabulary in German.

Eligibility: Open to all interested students and faculties

Course Objectives:

- Enhancing communication and collaboration in German Language
- Encourage autonomous language learning
- To know more about other cultures
- Foster creativity and imagination

Expected Course Outcome:

- The course will help the learners to acquire day to day interaction skills in German language

Course Layout:

Module 1:	Themes: Introducing oneself and others - 6 hrs Guten Tag- Wie ist Dein Name- Aussprache-Zahlen von 1-20
Module 2:	Themes: hobbies, the week, numbers, the alphabet, months, seasons – 6 hrs Hobbys- Wochentage-Berufe-Arbeit- Freunde-Kollegen
Module 3:	Theme: In the city / naming places and buildings, means of transport, basic directions – 6 hrs Platze und Gebaude-Verkehrsmittel-Richtungen-Zahlen und Events in Hamburg
Module 4:	Themes: food, drink, family / groceries -6 hrs Guten Appetit-Mahlzeiten-Lebensmittel- Getranke- Geschafte
Module 5:	Theme: Everyday life, telling time, making appointments-6 hrs Tagesablauf- Uhrzeiten- Familie
Module 6:	Leisure activity, celebrations - 6 hrs Essen- Geburtstage sprechen
Total	-36 hrs

References : Netzwerk: Deutsch als Fremdsprache

Assessment Methods



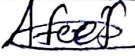


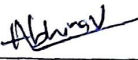




















1. Seminar : 20 Marks
2. Assignment : 20 Marks
3. Exam : 60 Marks

Coordinator: Abidha K P(9847370984)
abidha.anvar@gmail.com

FOREIGN LANGUAGE CLUB

FLBGL01-BASICS IN GERMAN LANGUAGE

	Name	Signature
1.	Renna Rahmath C	<u>Renna</u>
2.	Fathima Sana K V	<u>Sana</u>
3.	Nashwa	<u>Nash</u>
4.	Anisha Thasneem K	<u>Anisha</u>
5.	Fathima Nahida AP	<u>AP</u>
6.	FATHIMA SHEMIN K	<u>Fathima</u>
7.	Fathima anaan.E	<u>anaan</u>
8.	Sinu Shirin P	<u>Sin</u>
9.	Fathima Diya	<u>Diya</u>
10.	Shabna.T	<u>Shabna</u>
11.	Hadiya Adil Bafakhy	<u>Hadi</u>
12.	Fathima Fahmida. PT	<u>Fahmida</u>
13.	Nashida mc	<u>Nashida</u>
14.	Jasmin k	<u>Jasmin</u>
15.	Mohammed sahad.T	<u>Mohammed</u>
16.	Fathima Rida	<u>Rida</u>
17.	Basima Shirin.k	<u>Basima</u>
18.	Fasna E	<u>Fasna</u>
19.	Farsana Thasni p.p	<u>Farsana</u>
20.	Farsana nkm	<u>Nkm</u>
21.	Fathima Sherin kk	<u>Sherin</u>
22.	Vishnupriya.M	<u>Priya</u>

	Jumana thasni p	
24	Mirsha jan. M	
25	MUHAMMED AFEEF.M.K	
26	Safeena C	
27	MUHAMMED SALIH.K	
28	ABHINAV T H	
29	Sahla.c.t	
30	Rushda	
31	Salha binth	
32	Farsana.KT	
33	Fidha Farha	
34	Misriya P	
35	Shafeer saidalavi	
36	Mohamed Musthaneer	
37	Hisana thasni pp	
38	Raheema sherin.TV	
39	Jenna rasheed	
40	Hasna.k	
41	Mohammed Dhanish K.M	
42	Rafna sherin k	
43	Fathima shafsin	
44	FarseenaT	
45	Asna sharin pv	
46	Shana shirin p	
47	Afaq Musa	
48	Rinfa C	

49	Rinshida c	<u>Dacia</u>
50	Irfana Sharin kc	<u>Irfana</u>
51	Sahla Sherin	<u>Sahla</u>
52	Fathima ritha	<u>Rithanya</u>
53	Udith Unnikrishnan	<u>Udith</u>
54	Hasna.c	<u>Hasna</u>
55	Shahtha M	<u>Shah</u>
56	Fathima shabna KP	<u>Shabna</u>
57	Shamriya	<u>Sham</u>

CENTRE FOR FOREIGN LANGUAGES
EMEA COLLEGE OF ARTS & SCIENCE - KONDOTTY

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CERTIFICATE

This is to certify that Ms./Mr. Farsana Thasni P P., Third Semester
BA English

has successfully completed the Certificate Course **FLBGL01 - "Certificate Course in Basics in German Language"** conducted by **Centre for Foreign Languages, EMEA College of Arts and Science Kondotty** during the academic year **2022-23**, from 2 January to 3 March 2023

Handwritten signature in black ink.

Coordinator

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Head of the Department

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IQAC coordinator

Handwritten signature in black ink.

Principal

Date: 03/03/2023

Co-ordinator
Internal Quality Assurance Cell (IQAC)
EMEA College of Arts and Science
Kondotti, Kunjamparamba PO
Malappuram Dt. 673 633



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CURRICULUM BASED ON

Certificate Course - Basics in Spanish Language

**Department of English
in association with Foreign Language Club**

2022-23

(Course Code: FLBSL01)

SUMMARY REPORT



EMEAC

COLLEGE OF ARTS AND SCIENCE, Kondotty
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Brochure

IQAC

BASICS IN SPANISH LANGUAGE

FLBS01

01 DEC 2022 

36 Hours 

Coordinator: Ms. Abidha KP
+91 9847370984

Join Now



Centre for Foreign Languages
EMEAC College of Arts and Science, Kondotti
Reaccredited by NAAC with A Grade



About the Course:

- The Course is meant to be an introduction to Spanish language that helps the learners to grasp the basic sentence structure and build a foundational vocabulary in Spanish.

Eligibility: Open to all interested students and faculties

Course Objectives:

- Enhancing communication and collaboration in Spanish Language
- Encourage autonomous language learning
- To know more about other cultures
- Foster creativity and imagination

Expected Course Outcome:

- The course will help the learners to acquire day to day interaction skills in Spanish language

Course Layout:

Module 1 – Greetings	- 6 hrs
Saludos- El alfabeto - Letras y ejemplos – Nombres y apellidos - Presentaciones informales - Presentaciones formales	
Module 2- Introducing Oneself and Others	- 6 hrs
Pronombres Personales - Países y Nacionalidades - Las ocupaciones	
Module 3- Giving Personal Information	- 6 hrs
En el aula - Artículos definidos - Mi asignatura favorita- Horario Escolar	
Module 4-At School	- 6 hrs
En La Oficina - Objetos de la oficina – Conversacion en la oficina	
Module 5- At Office	- 6 hrs
Los determinantes posesivos - Los nombres y apellidos españoles - El verbo 'estar' y el estado civil	
Module 6- Family Relationships	- 6 hrs
Describir a las personas físicamente - Describir la personalidad -	

Total -36 hrs

References : Aula International 1

Assessment Methods

1. Seminar : 20 Marks
2. Assignment : 20 Marks
3. Exam : 60 Marks

Coordinator : Abidha K P(9847370984)

abidha.anvar@gmail.com



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Email: mail@emeacollege.ac.in | www.emeacollege.ac.in

Enrollment Register

FOREIGN LANGUAGE CLUB
FLBSL01 - Basics in Spanish Language
Enrolment List

	Name	Signature
1.	Aaghil	
2.	Aysha nidu	
3.	Mujeeba kv	
4.	Fathima Hiba M	
5.	Mohammed Najil M	
6.	Mahanas Kk	
7.	Mohammed sahad.t	
8.	Rinsha Aslaha k	
9.	Murshida	
10.	Hudha Mariyam.M	
11.	MUHAMMED AFEEF.M.K	
12.	Shamna Sherin PV	
13.	Shabeeba	
14.	Janfishan	
15.	Adnan Ahmed	
16.	Afaq Musa	
17.	Shidan k	
18.	Muhammed Thwalhath	
19.	Abdul Rahman Mohammad Ismail	
20.	Mohammed Rayyan PD	
21.	N K Zaheera Banu	
22.	SHANA RASLAN	



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23	Fazilu rahman	<i>Faz</i>
24	Mohammed fawas Pk	<i>PKB</i>
25	sibil fayaz	<i>Fz</i>
26	Shahsad.M	<i>Shah</i>
27	Safeena c	<i>Safe</i>
28	Nawaf Hassan	<i>NH</i>
29	Salik roshan	<i>SR</i>
30	Mohammed Shahul KC	<i>MS</i>
31	Muhammed shibili kp	<i>Shibi</i>
32	Hisham k	<i>HK</i>
33	Fathima Rafeeda A	<i>Raf</i>
34	Sehla Khansah P	<i>Sehla</i>
35	BINSHA SHARIN K K	<i>BS</i>
36	MUHAMMED SUNAIN	<i>MS</i>
37	Sulfikar Ali.M	<i>SA</i>
38	Kadheeja Amal	<i>Kad</i>
39	Shana sherin	<i>Shana</i>
40	Shifna shirin	<i>Shifna</i>
41	MAHREEN P	<i>M</i>
42	MOHAMMED THOYYUB CT	<i>CT</i>



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Attendance Register

Sl	Name	January																															February						March		
		3	5	6	10	12	13	16	17	19	20	23	25	27	30	31	3	6	7	9	10	14	16	17	20	22	24	28	2	3	6										
1	Aaghi																																								
2	Aysa nidu																																								
3	Mujeeba kv																																								
4	Fathima Hiba M																																								
5	Mohammed Najif M																																								
6	Mahanas Kk																																								
7	Mohammed sahad t																																								
8	Rinsha Aslaha k																																								
9	Murshida																																								
10	Hudha Maryam, M																																								
11	MUHAMMED AFEEL MK																																								
12	Shamma Sheerin PV																																								
13	Shabeeda																																								
14	Janfishan																																								
15	Adnan Ahmed																																								
16	Afaq Musa																																								
17	Shidan K																																								
18	Muhammed Thawalhath																																								
19	Abdul Rahman Mohammad ismail																																								
20	Mohammed Raywan PD																																								
21	N K Zahera Bani																																								
22	SHANNA RASLIAN																																								
23	Fazilu rahman																																								
24	Mohammed Fawas PK																																								
25	sibil fayaz																																								
26	Shahsadi M																																								

FLBSL01 - Basics in Spanish Language
Attendance Details- 2023

**CENTRE FOR FOREIGN LANGUAGES
EMEA COLLEGE OF ARTS & SCIENCE - KONDOTTY**

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CERTIFICATE

This is to certify that Ms./Mr. ADNAN AHMED

has successfully completed the Certificate Course **FLBSL01 - "Certificate Course in Basics in Spanish Language"** conducted by **Centre for Foreign Languages, EMEA College of Arts and Science Kondotty** during the academic year 2022-23, from 02/01/2023 to 08/03/2023

Coordinator

Head of the Department

IQAC coordinator

Co-ordinator

Internal Quality Assurance Cell (IQAC)
EMEA College of Arts and Science
Kondotty, Kuttanadu, Kumbakonam PO
Malappuram Dt. 673 638

Principal

Date:- 08/03/2023



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CURRICULUM BASED ON

Certificate Course - An Introduction to English Literature

Department of English

2022-23

(Course Code: ENGEL01)

SUMMARY REPORT



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Brochure

PG DEPARTMENT OF ENGLISH

Introduction to English Literature

ENGEL 01

DURATION 40 HOURS

COMMENCEMENT 01 JAN 2023

Coordinator: Ms. Abidha KP
+91 9847370984



Internal Quality Assurance Cell (IQAC)
EMEAC College of Arts and Science, Kondotti
Reaccredited by NAAC with A Grade



DEPARTMENT OF ENGLISH

Certificate Course

ENGEL01- An Introduction to English Literature (40 Hours)

About the Course:

This course intends to introduce a chronological survey of the English literary tradition. The course will showcase major literary moments, movements and events in the context of the social, political, religious and economic changes that shaped England since fifteenth century.

Eligibility: Final Year BA English students of the college

Course Objectives:

- Introduce the canon of English Literature.
- Analyse different periods of English Literature
- Enable the learner to critically appreciate the major writers and literary works of English literature
- Understand the social, political and historical condition of Britain since 1400

Expected Course Outcome:

The course enables the learner to acquire a critical understanding of the intellectual history of England and equip them for different competitive examinations related to English literature.

Course Layout:

- Module 1- Early Period
The Age of Chaucer- Scottish Chaucerians- Middle Period- Renaissance
- Module 2- Elizabethan and Jacobean Age
Philip Sydney- Edmund Spenser- University Wits- Shakespeare-Ben Jonson- John Milton- Caroline Poets-Metaphysical Poets
- Module 3 – Neoclassical Age
Dryden- Restoration Comedy- Alexander Pope- Jonathan Swift- Daniel Defoe- Joseph Addison- Samuel Richardson-Samuel Johnson- Pre Romantic Poets
- Module 4- Romantic Age
Lyrical Ballads- William Wordsworth- S T Coleridge- John Keats- Percy Shelley-Lord Byron- Walter Scott- Jane Austen
- Module 5- Victorian Age
Alfred Tennyson- Mathew Arnold- Robert Browning-Dante Gabriel Rossetti-



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Charles Dickens- Bronte Sisters- George Eliot-

- Module 6- Modern Period

T S Eliot- Thomas Hardy- War Poets- Stream of Consciousness- Women

Novelists-

- Module 7- Contemporary Period

Diaspora- Contemporary Writers- Booker Prize Winners- Nobel Prize Winners

References:

History of English Literature- Edward Albert

An Outline History of English Literature- William Henry Hudson

English Literature-William J Long

Assessment Methods

1. Seminar 10 Marks
2. Assignment 10 Marks
3. Exam 80 Marks

Coordinator : Abidha KP (9847370984)

abidha.anvar@gmail.com



Enrollment Register

List of Students Enrolled:

Sl No	Name of the student	Signature
1	ANSHIDA P	[Signature]
2	AREEJ ABDHUL KAREEM	[Signature]
3	FATHIMA NASHWA C	[Signature]
4	FATHIMA SANA KV	[Signature]
5	FATHIMA THASNEEM K	[Signature]
6	FATHIMA ZAHRA MP	[Signature]
7	FIDHA FATHIMA NK	[Signature]
8	HIBA KP	[Signature]
9	JAMI JANNATH MK	[Signature]
10	JASMIN K	[Signature]
11	NASEEF HASSAN M	[Signature]
12	RENNA RAHMATH C	[Signature]
13	RINSHIDA C	[Signature]
14	SHAHARABANU KP	[Signature]
15	WAFI MARIYUM PV	[Signature]
16	AMNA UT	[Signature]
17	FARSANA NKM	[Signature]
18	HIBA M	[Signature]
19	IRFANA SHERIN KC	[Signature]
20	MURSHIDA BANU P	[Signature]
21	NADHA THASNEEM VT	[Signature]
22	RUSHAIDA M	[Signature]
23	SALHA BINTH	[Signature]
24	SHAHANAS K	[Signature]
25	SHANA SHERIN UP	[Signature]
26	SHIFNA K	[Signature]
27	VISHNU P	[Signature]
28	ANAGHA T	[Signature]
29	ASHWANI C	[Signature]
30	AYANA RAGAVAN	[Signature]
31	BASIMA SHERIN K	[Signature]
32	DILNA MC	[Signature]
33	FARSANA KT	[Signature]
34	MEHNA MARIYUM PE	[Signature]
35	NANDHANA P	[Signature]
36	RASLA CK	[Signature]
37	RAMEESA JAHAN	[Signature]
38	SAFEENA C	[Signature]
39	SALSA M	[Signature]
40	SANA FARHA PVP	[Signature]
41	SHAHANAS UK	[Signature]
42	SHANA FATHIMA PK	[Signature]
43	SHIKA P	[Signature]



Attendance Register

		January															February						March								
Sl	Name of the student	2	3	4	6	10	11	13	16	17	18	19	20	23	24	27	1	2	3	8	9	14	17	20	21	23	24	28	1	2	3
1	ANSHIDA P																														
2	AREEJ ABDHUL KAREEM																														
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24	SAHANAS K																														
25	SHANA SHERIN UP																														
26	SHIFNAK																														
27	VISHNU P																														

**ENGEL01: Certificate Course in An Introduction to English Literature
Attendance Details- 2023**

**PG DEPARTMENT OF ENGLISH
EMEA COLLEGE OF ARTS & SCIENCE - KONDOTTY**

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CERTIFICATE

This is to certify that Ms./Mr. AREEJ ABDUL KAREEM

.....
.....
has successfully completed the Certificate Course **ENGEL01 - "Certificate Course in Introduction to English Literature"** conducted by **PG Department of English, EMEA College of Arts and Science Kondotty** during the academic year 2022-23, from 02/01/2023 to 03/03/2023

Handwritten signature of the Coordinator.

Coordinator

Handwritten signature of the Head of the Department.

Head of the Department

Handwritten signature of the IQAC Coordinator.

IQAC Coordinator
Internal Quality Assurance Cell (IQAC)
EMEA College of Arts and Science
Kondotti, Kummiparamba PO
Malappuram Dt. 673 638

Handwritten signature of the Principal.

Principal

Date: 03/03/2023



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CURRICULUM BASED ON

Certificate Course on ISI Guidelines of Water Quality Analysis

Department of Microbiology

2022-23

(Course Code: CCMPDW22)

SUMMARY REPORT



**EMEA COLLEGE OF ARTS AND SCIENCE
KONDOTTI
POST GRADUATE DEPARTMENT OF
MICROBIOLOGY**

CERTIFICATE COURSE

Course title

**CERTIFICATE COURSE ON ISI GUIDELINES OF
WATER QUALTY ANALYSIS**

Course code

CCMB22

Course details

30 hours (theory + practical + student project)

Offered by

Department of microbiology

Course coordinator

Mr. Yoonus P

Assistant professor

Department of microbiology

Course duration

01-12-2022 – 01-03-2023

About the course

Microbiological contamination of water has long been a matter of concern to the public. Many infectious microorganisms found in the environment –such as shigella, E. coli, vibrio, salmonella, coliform, S. aureus, faecal streptococci, yeast and mould, , Pseudomonas aeruginosa – can contaminate the water supplied to us. ISI prescribed methods for detection of microorganisms in packaged water and requirements for supply of safe water.

This course describes the ISI requirements for microbiological quality of packaged drinking water. Sources of water contamination, sampling and testing methods for detection of important pathogens will be discussed and demonstrated in detail as part of the course

Scope and objective of the course

After completion of the course students will be able to detect presence of pathogen in packaged water as per ISI guidelines. Students will be equipped to work as quality controller in packaged water industries

Resource persons

- ◆ **Yoonus P**
Assistant professor, department of microbiology
EMEA COLLEGE
- ◆ **Rasiya KT**
Assistant professor, department of microbiology
EMEA COLLEGE
- ◆ **Rasheeda EV**
Assistant professor, department of microbiology
EMEA COLLEGE

Contact details

Yoonus p

9847545044 , Yoonuspth@gmail.com

POST GRADUATE DEPARTMENT OF MICROBIOLOGY

In association with IQAC

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI

Certificate course on

ISI GUIDELINES OF WATER QUALITY ANALYSIS

1st December 2022 to 1st March 2023

SUMMARY REPORT

Department of microbiology provided a certificate course on "ISI guidelines of water quality analysis" to the students in the academic year 2022-2023. The course was aimed to make a thorough understanding of the laboratory skill with hands on experience in packaged water analysis. 25 Students from various life science programs were completed the course. The certificate program was inaugurated by Dr. Shiji Thomas, Associate professor and Head, Department of Microbiology, EMEA College and started with release of "Laboratory manual on microbiological analysis of packaged drinking water".

The program was inaugurated on 01/12/2022 and ended on 01/03/2023 with 30 hours of instruction including both theory and practical sessions. Various theory sessions were handled by Mr. Yoonus P, Ms. Rasiya K T, And Ms Rasheeda E V, faculties, department of microbiology. Practical sessions were conducted by Mr. Yoonus P and coordinated by Mr. Vaseem Akram PV, student coordinator. The program was winded up with valedictory session. Certificates were issued to Students who scored more than 50 percent marks in assessment test. Lt. Abdul Rasheed, Principal, EMEA College inaugurated the certificate distribution. The program helped students to have job prospects in packaged drinking water and beverage industry and made them more confident to work in packaged water industry.

Yoonus P
Coordinator

[Signature]

COURSE DESCRIPTION

Rapid population growth, urbanization and industrialization have led to the pollution of many water resources worldwide. Bottled water is widely accepted as a reliable healthy drinking water in many parts of the world. Therefore, investigation of bottled water quality is of prime importance. Packaged drinking water uses water from any source which has to be treated and disinfected, a process that could involve filtration, UV or ozone treatment or reverse osmosis (RO) before it is fit for human consumption. It is compulsory for all the manufacturers who intend to set up processing units, to obtain the ISI mark from the Bureau of India Standards. Packaged Natural Mineral Water is governed under IS:13428 and Packaged Drinking Water governed under IS:14543.

This course on 'ISI guidelines of water quality analysis is an attempt to equip students with theoretical background and practical skills to participate in microbial quality ensuring practices of packaged drinking water and evaluate the results by comparing with standard requirements proposed by ISI.

Aim

The course aims to prepare a student in acquiring skills on the packaged water quality analysis with special emphasis on microbiological quality parameters. It also brings in those aspects of microbiology which are important for water microbial quality management.

Learning Objectives

On completion of the course the student will be able to:

- ♣ State major microbial pathogens that may contaminate packaged water
- ♣ Explain microbiological water quality criteria and standards proposed by ISI
- ♣ Perform various microbiological quality analysis tests and interpret the results
- ♣ Work in microbiology laboratory in packaged water industry

Yash
Yash

82

Dr. S. S. S. S. S.
100
100
100
100

COURSE CONTENTS

Module 1- Pathogenic microorganisms in drinking water	- 2 hrs
Module 2- Sources of microbial contamination in packaged water	-2 hrs
Module 3 – Analysis of coliforms	- 4 hrs
Module 4- Detection of yeast and mold in water	-4 hrs
Module 5- Analysis of water for pseudomonas aeruginosa	- 3 hrs
Module 6- Clostridium conatamination and detection	-4 hrs
Module 7- ISI requirements of packaged drinking water	-3 hrs
Module 8 – student project – microbial analysis of packaged water available in marke	- 8 hrs

Y. P. Young
Y. P. Young

8

DR. DAVID W. YOUNG
M.S., DEPT. OF MICROBIOLOGY
UNIVERSITY OF CALIFORNIA, RIVERSIDE
RIVERSIDE, CALIFORNIA 92521

DETAILED CONTENTS

Module 1

Pathogenic microorganisms in drinking water - (2 hrs)

Water borne pathogens- characteristics and pathogenicity of E.coli, pseudomonas aeruginosa, coliforms, clostridium, yeast and mold

Module 2

Sources of microbial contamination in packaged water-2 hrs

Wastes deposit in municipal water resources, ground water contamination, fecal contamination in water, contamination during packaging

Module 3

Analysis of coliforms- 4 hrs

Selective Media for coliform isolation, biochemical identification of coliforms, most probable number method

Module 4

Detection of yeast and mold in water - 4 hrs

Yeast and mold in water, selective media preparation and usage for yeast and mold identification, growth characteristics of fungi

Module 5

Analysis of water for pseudomonas aeruginosa - 3 hrs

Bioluminescence of pseudomonas, preparation, principle and application of asparagine proline broth

Module 6

Clostridium contamination in water and its detection - 4 hrs

Anaerobic culturing Methods, liquid paraffin overlay and anaerobiosis, differential reinforced clostridial broth (DRCB) preparation. Principle and application of DRCB.

Module 7

ISI requirements of packaged drinking water-3 hrs

ISI regulations on bacteria and fungi presence in packaged water, result analysis of microbial detection from water sample. ISI criteria for safe packaged water

Module 8

Student project – microbial analysis of packaged water available in market - 8 hrs

Collection of various packaged water samples available in market and microbiological quality analysis

ASSESSMENT

Mode. : written examination


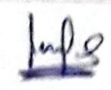


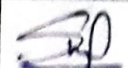

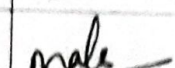
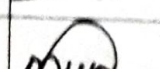



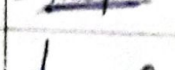

Total questions : 10

Maximum marks: 20

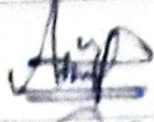





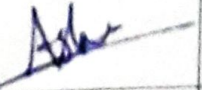


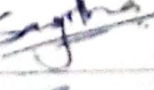
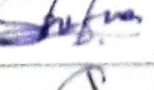

Minimum marks to be scored for successful completion of course. : 50%

Y. S. S. S.
Y. S. S. S. P.

POST GRADUATE DEPARTMENT OF MICROBIOLOGY
 In association with IQAC
 EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
 Certificate course on
 ISI GUIDELINES OF WATER QUALITY ANALYSIS
 1st December 2022 to 1st March 2023
STUDENTS ENROLLMENT REGISTER

SL. NO	NAME	CLASS	GENDER	SIGN	REMARKS
1	RUSTHA	4 th sem MSc MB	Female		
2	SHANA NASRIN.VK	4 th sem MSc MB	Female		
3	SHANA SHERIN.T.T	4 th sem MSc MB	Female		
4	SHEFNA NOUSHAD	4 th sem MSc MB	Female		
5	HIBA V	4 th sem MSc MB	Female		
6	MAHADIYA P	4 th sem MSc MB	Female		
7	MALAVIKA.M.P	4 th sem MSc MB	Female		
8	MUMTHAS.C	4 th sem MSc MB	Female		
9	AMANA V K	6 th sem BSc MB	Female		
10	AYISHA MINU	6 th sem BSc MB	Female		
11	SHANA KADER	6 th sem BSc MB	Female		
12	ASMATHUL NITASHA	6 th sem BSc MB	Female		
13	APARNA KT	6 th sem BSc MB	Female		

82

14.	ATHULYA MK	6 TH sem BSc MB	Female		
15.	SHAHANA SHERIN P	6 TH sem BSc MB	Female		
16.	DEEPIKA R	6 TH sem BSc MB	Female		
17.	SHAFI MUBARAK M T	4 th sem MSc MB	Male		
18.	VASEEM AKRAM.P.V	4 th sem MSc MB	Male		
19.	AMINA	4 th sem MSc MB	Female		
20.	ARSHA. P	4 th sem MSc MB	Female		
21.	FATHIMA HAMZA . K.P	4 th sem MSc MB	Female		
22.	HIBA .V	4 th sem MSc MB	Female		
23.	SAJITHA .M	4 th sem MSc MB	Female		
24.	SHAFNA.M.A	4 th sem MSc MB	Female		
25.	SHAHALA. K.V	4 th sem MSc MB	Female		
26.					
27.					
28.					
29.					
30.					

CERTIFICATE COURSE ON ISI GUIDELINES OF WATER QUALITY ANALYSIS
ATTENDANCE REGISTER

SL. NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	RUSTHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2	SHANA NASRIN VK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	SHANA SHERIN.T.T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	SHEFNA NOUSHAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5	HIBA V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6	MAHADIYA P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7	MALAVIKA.M.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	MUMTHAS.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
9	AMANA V K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10	AYISHA MIINU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	SHANA KADER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	ASMATHUL NITASHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	APARNA KT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
14	ATHULYA MK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	SHAHANA SHERIN P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	DEEPIKA R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	SHAFI MUBARAK M T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	VASSEM AKRAM P V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	AMINA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	ARSHIA P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
21	FATHIMA HANZA K.P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
22	HIBA V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
23	SAITHA M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
24	SHAFNA M.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
25	SHAHANA K.V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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Certificate course on
ISI GUIDELINES OF WATER QUALITY ANALYSIS
1st December 2022 to 1st March 2023
OUTCOME ASSESSMENT TEST

MARK LIST

Sl. No	Name of student	Marks (out of 20)
1	RUSTHA	20
2	SHANA NASRIN.VK	20
3	SHANA SHERIN.T.T	18
4	SHEFNA NOUSHAD	18
5	HIBA V	20
6	MAHADIRA P	20
7	MALAVIKA.M.P	20
8	MUMTHAS.C	18
9	AMIANA V.K	20
10	AYISHA MINU	20
11	SHANA KADER	20
12	ASWATHUL NITASHA	18
13	KPARINA KT	18
14	KITHULYA MK	18
15	SHAHANA SHERIN P	20

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Handwritten signature in blue ink.

By: _____
Date: _____
Head of Institution

Sl. No	Name of student	Marks (out of 20)
16	DEEPIKA R	20
17	SHAFI MUBARAK M T	20
18	VASEEM AKRAM.P.V	18
19	AMINA	18
20	ARSHA. P	20
21	FATHIMA HAMZA . K.P	20
22	HIBA .V	20
23	SAJITHA .M	20
24	SHAFNA.M.A	18
25	SHAHALA. K.V	20

Y.A. M.S.
Y.A. M.S.P

POST GRADUATE DEPARTMENT OF MICROBIOLOGY

Certificate course on

ISI GUIDELINES OF WATER QUALITY ANALYSIS

1st December 2022 to 1st March 2023

OUTCOME ASSESSMENT TEST

18/20

Name: VASEEM AKRAM P.V

Class: A⁰³ sem MSc MB

Roll number: 18

Instructions

Tick the right options only, answer all questions.

Each question carries 2 marks

- ✓ 1. Which solution is used to create anaerobic condition
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- ✓ 2. Find the selective media used for isolation of *Pseudomonas* bacteria
 CCA CYGA APB DRCB
- ✓ 3. Find the selective media used for isolation of coliforms
 CCA CYGA APB DRCB
- ✓ 4. Find the selective media used for isolation of Yeast and mold
 CCA CYGA APB DRCB
- ✓ 5. Incubation time required for detection of *pseudomonas* bacteria
 24 hours 48 hours 120 hours 300 hours
- ✓ 6. Find the selective media used for isolation of anaerobic clostridium
 CCA CYGA APB DRCB
- ✓ 7. Identify the reagent used in indole test
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- ✓ 8. Incubation temperature required for detection of *E. coli*
 37°C 25°C 15°C 55°C
- ✓ 9. Incubation time required for detection of Yeast and mold
 24 hours 48 hours 120 hours 300 hours
- ✓ 10. Incubation temperature required for detection of Yeast and mold
 37°C 25°C 15°C 55°C

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POST GRADUATE DEPARTMENT OF MICROBIOLOGY
Certificate course on
ISI GUIDELINES OF WATER QUALITY ANALYSIS
1st December 2022 to 1st March 2023
OUTCOME ASSESSMENT TEST

20/20

Name: ARSHA P
Class: 4th SEM MSC
Roll number:

Instructions

Tick the right options only, answer all questions.

Each question carries 2 marks

- Which solution is used to create anaerobic condition
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- Find the selective media used for isolation of *Pseudomonas* bacteria
 CCA CYGA APB DRCB
- Find the selective media used for isolation of coliforms
 CCA CYGA APB DRCB
- Find the selective media used for isolation of Yeast and mold
 CCA CYGA APB DRCB
- Incubation time required for detection of pseudomonas bacteria
 24 hours 48 hours 120 hours 300 hours
- Find the selective media used for isolation of anaerobic clostridium
 CCA CYGA APB DRCB
- Identify the reagent used in indole test
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- Incubation temperature required for detection of E.coli
 37°C 25°C 15°C 55°C
- Incubation time required for detection of Yeast and mold
 24 hours 48 hours 120 hours 300 hours
- Incubation temperature required for detection of Yeast and mold
 37°C 25°C 15°C 55°C

POST GRADUATE DEPARTMENT OF MICROBIOLOGY
Certificate course on
ISI GUIDELINES OF WATER QUALITY ANALYSIS
1st December 2022 to 1st March 2023
OUTCOME ASSESSMENT TEST

20/20

Name: MALAVIKA. M P

Class: 4th SEM MSc

Roll number:

Instructions

Tick the right options only, answer all questions.

Each question carries 2 marks

- Which solution is used to create anaerobic condition
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- Find the selective media used for isolation of *Pseudomonas* bacteria
 CCA CYGA APB DRCB
- Find the selective media used for isolation of coliforms
 CCA CYGA APB DRCB
- Find the selective media used for isolation of Yeast and mold
 CCA CYGA APB DRCB
- Incubation time required for detection of pseudomonas bacteria
 24 hours 48 hours 120 hours 300 hours
- Find the selective media used for isolation of anaerobic clostridium
 CCA CYGA APB DRCB
- Identify the reagent used in indole test
 Kovac's reagent oxidase reagent Barrit's reagent liquid paraffin
- Incubation temperature required for detection of *E. coli*
 37°C 25°C 15°C 55°C
- Incubation time required for detection of Yeast and mold
 24 hours 48 hours 120 hours 300 hours
- Incubation temperature required for detection of Yeast and mold
 37°C 25°C 15°C 55°C



**POST GRADUATE DEPARTMENT OF MICROBIOLOGY
EMEA COLLEGE OF ARTS AND SCIENCE KONDOTTI**

**Certificate course on
ISI GUIDELINES OF WATER QUALITY ANALYSIS
LABORATORY MANUAL
2022-2023**

Prepared by

YOONUS P

ASSISTANT PROFESSOR

DEPARTMENT OF MICROBIOLOGY

82

POST GRADUATE DEPARTMENT OF MICROBIOLOGY
EMEA COLLEGE OF ARTS AND SCIENCE
KONDOTTI, MALAPPURAM, KERALA, INDIA



EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI
AFFILIATED TO UNIVERSITY OF CALICUT
REACCREDITED WITH A GRADE BY NAAC
KONDOTTI, MALAPPURAM , KERALA

CERTIFICATE

This is to certify that Mr. / Ms. *SHAFI... MUBARAK... M.T* has successfully completed the certificate course titled **CERTIFICATE COURSE ON ISI GUIDELINES OF WATER QUALITY ANALYSIS** conducted by post graduate department of microbiology . EMEA College Of Arts And Science. Kondotti from 01-12-2022 to 01-03-2023 (30 hours)

[Signature]

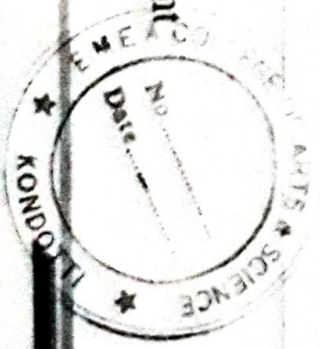
Coordinator

[Signature]

Head of the Department

[Signature]

Principal



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AFFILIATED TO UNIVERSITY OF CALICUT
REACCREDITED WITH A GRADE BY NAAC
KONDOTTI, MALAPPURAM, KERALA



CERTIFICATE

This is to certify that **Mr. / Ms. SHARIFA NASSIR V.K.** has successfully completed the certificate course titled **CERTIFICATE COURSE ON ISI GUIDELINES OF WATER QUALITY ANALYSIS** conducted by post graduate department of microbiology, EMEA College Of Arts And Science, Kondotti from 01-12-2022 to 01-03-2023 (30 hours)

Coordinator

Head of the Department

Principal





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CERTIFICATE

This is to certify that Mr. / Ms. *S.H.A.F.N.A. M.A.* has successfully completed the certificate course titled **CERTIFICATE COURSE ON ISI GUIDELINES OF WATER QUALITY ANALYSIS** conducted by post graduate department of microbiology . EMEA College Of Art; And Science. Kondotti from 01-12-2022 to 01-03-2023 (30 hours)

[Signature]

Coordinator

[Signature]

Head of the Department

[Signature]

Principal



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KONDOTTI, MALAPPURAM , KERALA



CERTIFICATE

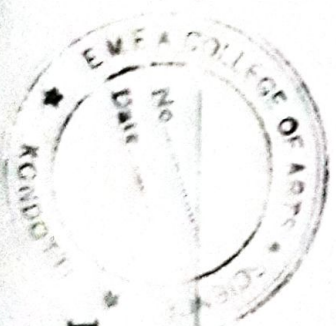
This is to certify that Mr. / Ms.
S.M.A.H.A......*K.V.*..... has successfully
completed the certificate course titled **CERTIFICATE COURSE ON ISI GUIDELINES OF WATER
QUALITY ANALYSIS** conducted by post graduate department of microbiology . EMEA College Of Arts
And Science. Kondotti from 01-12-2022 to 01-03-2023 (30 hours)

[Signature]

Coordinator

[Signature]

Head of the Department



[Signature]

Principal



Theory sessions- Ms. Rsiya KT



Theory sessions- Ms. Rasheeda E V



Practical session- Mr. Y oonus P



Practical sessions



Practical sessions



Practical sessions-culture media for result analysis