

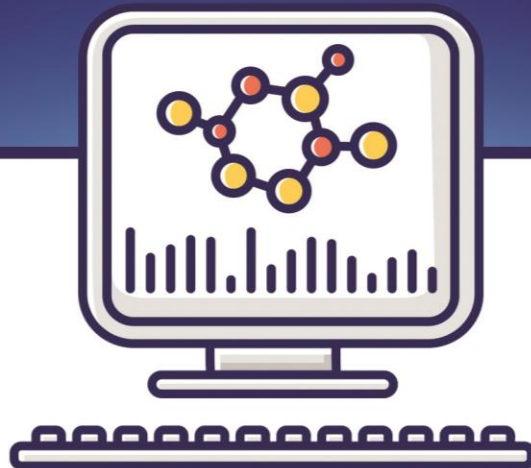


WORKSHOP ON

BIOINFORMATICS

RESOURCES, TOOLS AND ITS APPLICATIONS

(FOR POST GRADUATE STUDENTS)



JUNE
2022 **16** & **17**

— ORGANIZED BY —

POST GRADUATE DEPARTMENT OF MICROBIOLOGY
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY

ABOUT THE COLLEGE

EMEA College of Arts and Science, Kondotti is fast emerging as a resourceful destination for higher studies in Malabar, spreading the fragrance of education in the society. This college is affiliated to the University of Calicut. The college offers up-to-date, advanced, and job-oriented programs in the vast expanding horizon of humanities, commerce, and science and technology. The college is situated at Kumminiparamba in Kondotti, 6 km away from the University of Calicut, 2 km from Calicut International Airport, 18 km from Feroke Railway Station, and 32 km from Calicut City

ORGANIZING COMMITTEE

- | | |
|--|--|
| ▶ Lt. Abddul Rasheed
Principal | ▶ Mr. Yoonus P
Coordinator |
| ▶ Dr. Shiji Thomas
Convener | ▶ Ms Rasiya K T
Organizing secretary |

MEMBERS

- » Ms. Jisha P J
- » Ms. Dufaida KM
- » Ms. Hasna K P

For queries, mail to
yoonuspth@gmail.com



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BIOINFORMATICS RESOURCES, TOOLS AND ITS APPLICATIONS

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**WORKSHOP ON
BIOINFORMATICS - RESOURCES, TOOLS AND ITS APPLICATIONS
SUMMARY REPORT**

Post graduate department of microbiology organized a two day workshop titled “Bioinformatics- Resource, Tools and its Applications for post graduate life science students on 16 & 17 June 2022. Inaugural session of the program held at college seminar hall and practical sessions were conducted at college skill development IT lab. Students and faculties from various post graduate colleges were attended the workshop. This workshop was aimed to provide a basic understanding of bioinformatics and intends to develop a deep sense of interest in students for their future carrier options


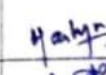

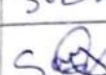

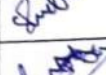
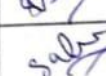



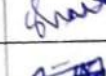




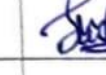

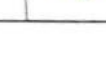
The program was inaugurated by Mr. Mohammed Najeeb PM, Associate professor and Principal in charge, EMEA College in the presence of Dr. Shiji Thomas, Head, Department of Microbiology. Session on importance of bioinformatics was handled by Dr. Shiji Thomas. Dr. Krishnakumar T, Associate professor and head, department of biochemistry mentioned about the scope of bioinformatics in interpretation of results in biological research. Dr.Mashoor K, Assistant professor and head, department of biotechnology provided relevant information about bioinformatics tools used in biological research

The practical hands on training sessions were led by Dr. Sahila MM, Assistant professor and Head, Department of Biostatistics, SAFI College of Advanced Study, Vazhayur, Kerala. The Session covered various bioinformatics tools, which includes Data retrieval from NCBI, Analysis of gene sequence from nucleotide database, Analysis of protein sequence from protein database, analysis of PDB file, Sequence similarity searching using BLAST, Multiple sequence alignment using Clustal., Protein sequence analysis using ExPASy proteomics tools, Phylogenetic analysis using web tools, Homology Modeling and structure refinement Swiss model.

The program made elevated research aptitude in participants and made them more confident in use of bioinformatics tools in life science research. Feedback analysis revealed that the program was a great success. Program was winded up with valedictory session. Mr. Abdurazaque PM, Associate professor of Economics and chairman of IQAC inaugurated valedictory session and certificate distribution.

PARTICIPANT ENROLLMENT REGISTER

	NAME OF PARTICIPANT	COLLEGE/INSTITUTION	DEPARTMENT/COURSE	SIGN
1.	MYMOONATH LUBANA	E. M. E. A COLLEGE OF ARTS AND SCIENCE, <i>Kondotty</i>	MICROBIOLOGY	<i>[Signature]</i>
2.	HISANA	EMEA ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>
3.	SUHANA SAFA PP	EMEA ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>
4.	FATHIMA AMNA	EMEA ARTS AND SCIENCE COLLEGE, KONDOTTY	MSC.MICROBIOLOGY	<i>[Signature]</i>
5.	DILRUBA.K	EMEA ARTS AND SCIENCE COLLEGE, KONDOTTY	MSC.MICROBIOLOGY	<i>[Signature]</i>
6.	SAFA SHANU OP	EMEA COLLEGE	MICROBIOLOGY	<i>[Signature]</i>
7.	FARSHANA NK	EMEA COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>
8.	NITHA TP	EMEA COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>
9.	AFSAN <i>C.T</i>	EMEA COLLEGE KONDOTTY	MICROBIOLOGY	<i>[Signature]</i>
10.	HASNA K. P	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
11.	ASHITHA SHAJI. N	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
12.	JISLA	EMEA COLLEGE OF ARTS AND SCIENCE	MSC MICROBIOLOGY	<i>[Signature]</i>
13.	NASRIN P	EMEA COLLEGE OF ARTS AND SCIENCE	MSC MICROBIOLOGY	<i>[Signature]</i>
14.	SHAHANA SHERIN	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
15.	JUNAID CP	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
16.	THABSHEERA K.V	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
17.	RINSHA SHERIN K	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>
✓18.	SHIFANA <i>SERJ.C</i>	EMEA COLLEGE OF ARTS AND SCIENCE KONDOTTI	MSC MICROBIOLOGY	<i>[Signature]</i>
19.	ATHULYA VV	EMEA COLLEGE OF ARTS AND SCIENCES	MICROBIOLOGY	<i>[Signature]</i>
20.	NASLA. K	EMEA COLLEGE, KONDOTTY	MICROBIOLOGY	<i>[Signature]</i>
21.	THASNEEM O P	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY	<i>[Signature]</i>

22.	HASNA C	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY	
23.	HASMINA BEEGAM	GEMS ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	
24.	MUFEEDA.T	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY	
25.	FATHIMA SUMAN	GEMS ARTS AND SCIENCE COLLEGE	MSC.MICROBIOLOGY	
26.	SAJNA M	GEMS ARTS AND SCIENCE COLLEGE	MSC.MICROBIOLOGY	
27.	FATHIMATH RAHNA	GEMS ARTS AND SCIENCE COLLEGE RAMAPURAM	MSC MICROBIOLOGY	
✓ 28.	SHAMEEMA M	GEMS ARTS AND SCIENCE COLLEGE RAMAPURAM	MICROBIOLOGY	
29.	SHABA JASMIN T	GEMS ARTS AND SCIENCE COLLEGE RAMPURAM	MSC MICROBIOLOGY	
30.	SHANOOPA . K	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM	MSC MICROBIOLOGY	
31.	SALEENA.TK	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM	MICROBIOLOGY	
32.	SAJID RAHMAN K	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM , MALAPPURAM	MICROBIOLOGY	
33.	RESNA N K	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM, MALAPPURAM	MICROBIOLOGY	
34.	SHANIDA TP	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM, MALAPURAM	MICROBIOLOGY	
35.	FATHIMA SHAHNA P	GEMS COLLEGE	MSC MICROBIOLOGY	
* 36.	SREELAKSHMI V	MAJILIS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY	
37.	HIBA ABBAS	MAJILIS ARTS AND SCIENCE COLLEGE, PURAMANNUR, VALANCHERY, MALAPPURAM	MSC MICROBIOLOGY	
38.	RIZANA FAZLY. K	MAJLIS ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	
39.	SULFATH THOTTASSERY	MAJLIS ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	
40.	SAFA KABEER. P	MAJLIS ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	

41.	SAFLA P.P	MAJLIS ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	
42.	FARNA YASMIN C	MAJLIS ARTS AND SCIENCE COLLEGE PURAMANNUR	MSC MICROBIOLOGY	
43.	HANNATH K	MAJLIS ARTS AND SCIENCE COLLEGE PURAMANNUR	MSC MICROBIOLOGY	
44.	RAZIYA ROSS T.M	MAJLIS ARTS AND SCIENCE COLLEGE, PURAMANNUR.	MSC. MICROBIOLOGY	
45.	SHAMEENA K	MAJLIS ARTS AND SCIENCE COLLEGE, VALANCHERY	MSC. MICROBIOLOGY	
46.	MUHSINA.MK	MAJLIS ARTS AND SCIENCE COLLEGE,PURAMANNUR	MICROBIOLOGY	
47.	ARYA T	MAJLIS COLLEGE OF ARTS AND SCIENCE, PURAMANNUR	MSC MICROBIOLOGY	
48.	MUBASHIRA. K. V	MAJLIS COLLEGE OF ARTS AND SCIENCE, VALANCHERI	MSC. MICROBIOLOGY Q	
49.	NAEEMA ASHRAF T P	MAJLIS COLLEGE OF ARTS AND SCIENCE,PURAMANOOR	MSC MICROBIOLOGY	
50.	SHEFNA K	MAJLIS ARTS AND SCIENCE COLLEGE, PURAMANNUR	MSC MICROBIOLOGY	
✓ 51.	MUBASHIRA ALIYA TK	MAJLIS ARTS AND SCIENCE COLLEGE, PURAMANNUR	MSC MICROBIOLOGY	

ATTENDANCE REGISTER

NAME OF PARTICIPANT	COLLEGE/INSTITUTION	DEPARTMENT/COURSE	16-06-2022		17-06-2022	
			FN	AN	FN	AN
1. MYNMOONATH LURANA	E. M. E. A COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2. HISANA	EMEA ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3. SUHANA SAFA PP	EMEA ARTS AND SCIENCE COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4. FATHIMA AMINA	EMEA ARTS AND SCIENCE COLLEGE, KONDOTTY	MSC.MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5. DILRUBAK	EMEA ARTS AND SCIENCE COLLEGE, KONDOTTY	MSC.MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6. SAFA SHANU OP	EMEA COLLEGE	MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7. FARSHANA NK	EMEA COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8. NITHA TP	EMEA COLLEGE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9. AFSAN	EMEA COLLEGE KONDOTTY	MICROBIOLOGY				
10. HASNA K. P	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY				
11. ASHITHA SHAJIN	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12. JISLA	EMEA COLLEGE OF ARTS AND SCIENCE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13. NASRIN P	EMEA COLLEGE OF ARTS AND SCIENCE	MSC MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14. SHAHANA SHERIN	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15. JUNAID CP	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY				

16	MAHESHWARAKA	EMEA COLLEGE OF ARTS AND SCIENCE	MIRROBIOLOGY				
17	RINSHA SHERIN K	EMEA COLLEGE OF ARTS AND SCIENCE	MIRROBIOLOGY				
18	SHAFANA SHERIN K	EMEA COLLEGE OF ARTS AND SCIENCE KONDOTTI	MSC. MICROBIOLOGY				
19	ATHULYA V	EMEA COLLEGE OF ARTS AND SCIENCE	MICROBIOLOGY				
20	NASIA K	EMEA COLLEGE, KONDOTTI	MICROBIOLOGY				
21	THASNEEMOP	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY				
22	HASNA C	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY				
23	HASMINA BEGAM	GEMS ARTS AND SCIENCE COLLEGE	MSC. MICROBIOLOGY				
24	MUFEEDAT	GEMS ARTS AND SCIENCE COLLEGE	MICROBIOLOGY				
25	FATHIMA SUMAN	GEMS ARTS AND SCIENCE COLLEGE	MSC. MICROBIOLOGY				
26	SAJNA M	GEMS ARTS AND SCIENCE COLLEGE	MSC. MICROBIOLOGY				
27	FATHIMATH RAHNA	GEMS ARTS AND SCIENCE COLLEGE RAMAPURAM	MSC. MICROBIOLOGY				
28	SHAMEEMA M	GEMS ARTS AND SCIENCE COLLEGE RAMAPURAM	MICROBIOLOGY				
29	SHABA JASMIN T	GEMS ARTS AND SCIENCE COLLEGE RAMAPURAM	MSC. MICROBIOLOGY				
30	SHANOORA K	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM	MSC. MICROBIOLOGY				
31	SALEENA TK	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM	MICROBIOLOGY				
32	SAJID RAJMAN K	GEMS ARTS AND SCIENCE	MICROBIOLOGY				

		COLLEGE, RAMAPURAM, MALAPPURAM						
33.	RESNA N K	GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM, MALAPPURAM	MICROBIOLOGY					
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50.	SHEFNA K	MAJLIS ARTS AND SCIENCE COLLEGE, PURAMANNUR	MSC MICROBIOLOGY				
51.	MUBASHIRA ALIYA TN	MAJLIS ARTS AND SCIENCE COLLEGE, PURAMANNUR	MSC MICROBIOLOGY				

FEEDBACK FORM

College: EMEA College of Arts and Science
Name of Department(s) organizing the event: Post graduate department of Microbiology
Title of Work shop: Bioinformatics Resources, Tools and it's Applications
Date of the Workshop: 16/06/2022-17/06/2022

Name of the Participant : SHAMEEMA M
College : GEMS ARTS AND SCIENCE COLLEGE, KANDURAM

The evaluation may be done on a four (4) point scale A,B,C,D, where A is very good, B is Good, C is Satisfactory and D is Not-satisfactory.

1. The contribution of the workshop to an in-depth analysis of the theme proposed:
A B C D
2. Quality of the presentations by the resource persons:
A B C D
3. Adherence to the time schedule
A B C D
4. Relevance and content of the lectures of resource persons to the topic concerned of the workshop.
A B C D
5. Speak loudly and clearly
A B C D
6. Utility of the work shop from the point of view of updating Knowledge:
A B C D
7. Utility of the work shop for enhancing the core skills of the participants:
A B C D
8. Workshop was useful:
A B C D
9. Hospitality:
A B C D
10. Overall assessment:
A B C D

FEEDBACK FORM

College: EMEA College of Arts and Science
Name of Department(s) organizing the event: Post graduate department of Microbiology
Title of Work shop: Bioinformatics Resources, Tools and it's Applications
Date of the Workshop: 16/06/2022-17/06/2022
Name of the Participant : NASLA.K
College : EMEA COLLEGE KONDOTY

The evaluation may be done on a four (4) point scale A,B,C,D, where A is very good, B is Good, C is Satisfactory and D is Not-satisfactory.


1. The contribution of the workshop to an in-depth analysis of the theme proposed:
A B C D
2. Quality of the presentations by the resource persons:
A B C D
3. Adherence to the time schedule
A B C D
4. Relevance and content of the lectures of resource persons to the topic concerned of the workshop.
A B C D
5. Speak loudly and clearly
A B C D
6. Utility of the work shop from the point of view of updating Knowledge:
A B C D
7. Utility of the work shop for enhancing the core skills of the participants:
A B C D
8. Workshop was useful:
A B C D
9. Hospitality :
A B C D
10. Overall assessment:
A B C D

POST GRADUATE DEPARTMENT OF MICROBIOLOGY
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
WORKSHOP ON
BIOINFORMATICS
RESOURCES, TOOLS AND ITS APPLICATIONS

This is to certify that Ms./Mr. **TUNAID CP**
E.M.E.A COLLEGE OF ARTS AND SCIENCE, KONDOTTY
has participated in the workshop on Bioinformatics organized by the Post Graduate
Department of Microbiology held at EMEA College of Arts and Science, Kondotti on **16th**
and **17th** June 2022.


Coordinator


Head of the Department


Principal





POST GRADUATE DEPARTMENT OF MICROBIOLOGY
EMEA COLLEGE OF ARTS & SCIENCE - KONDOTTI
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CERTIFICATE


WORKSHOP ON
BIOINFORMATICS
RESOURCES, TOOLS AND ITS APPLICATIONS

This is to certify that Ms./Mr.


RESNA NIK

.....
GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM

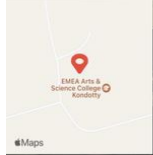
has participated in the workshop on **Bioinformatics** organized by the **Post Graduate**
Department of Microbiology held at **EMEA College of Arts and Science, Kondotti** on **16th**
and 17th June 2022.


Coordinator


Head of the Department

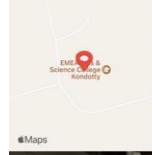

Principal





Pallikkal, KL, India
Tirurangadi, Pallikkal, 673638,
Lat 11.134113, Long 75.942776
06/16/2022 10:25 AM

Welcome Speech : Yoonus P, Program
Coordinator



Pallikkal, KL, India
Tirurangadi, Pallikkal, 673638,
Lat 11.134011, Long 75.942848
06/16/2022 10:28 AM

Technical Session
Dr. Shiji Thomas



Inauguration: Mr. Mohammed Najeeb P M,
Principal In Charge



Pallikkal, KL, India
Tirurangadi, Pallikkal, 673638,
Lat 11.134065, Long 75.942819
06/16/2022 10:31 AM

Technical Session
Dr. Krishnakumar T

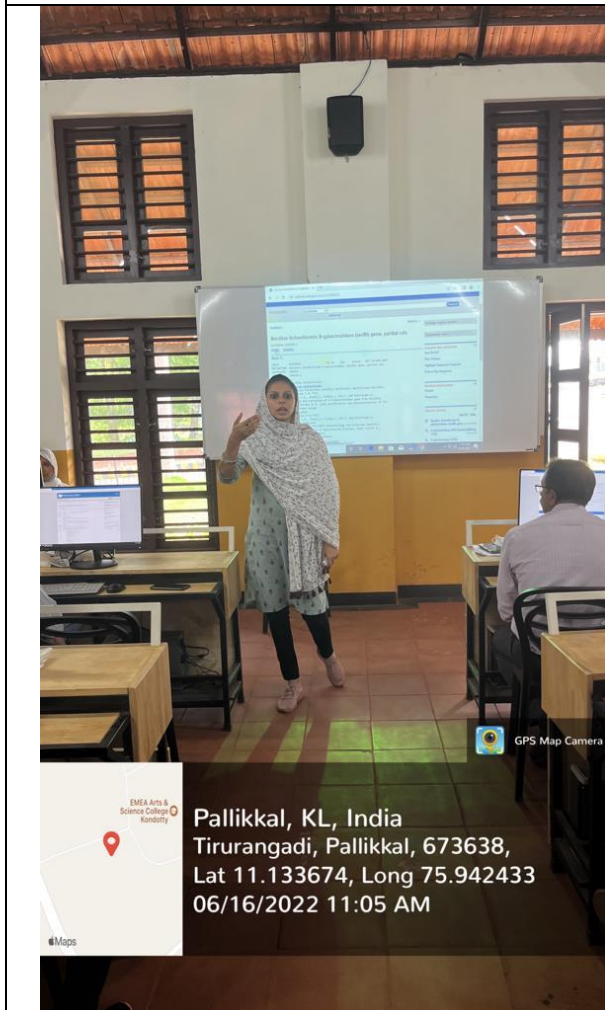


Dr. Sahila M M, Resource Person

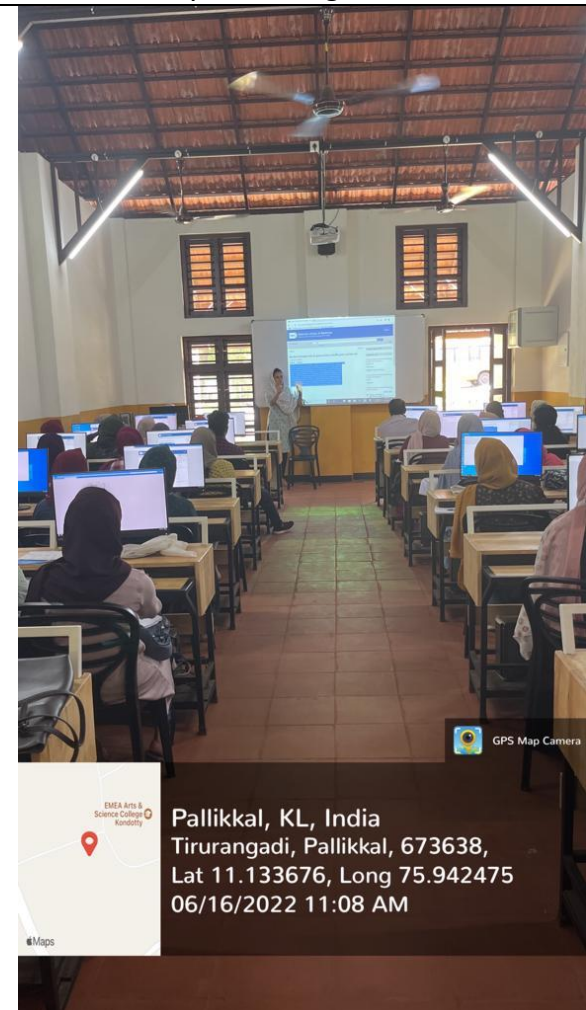


Vote Of Thanks

Ms. Rasiya K T, Program Convenor



Training Session In IT Lab



Training Session In IT Lab

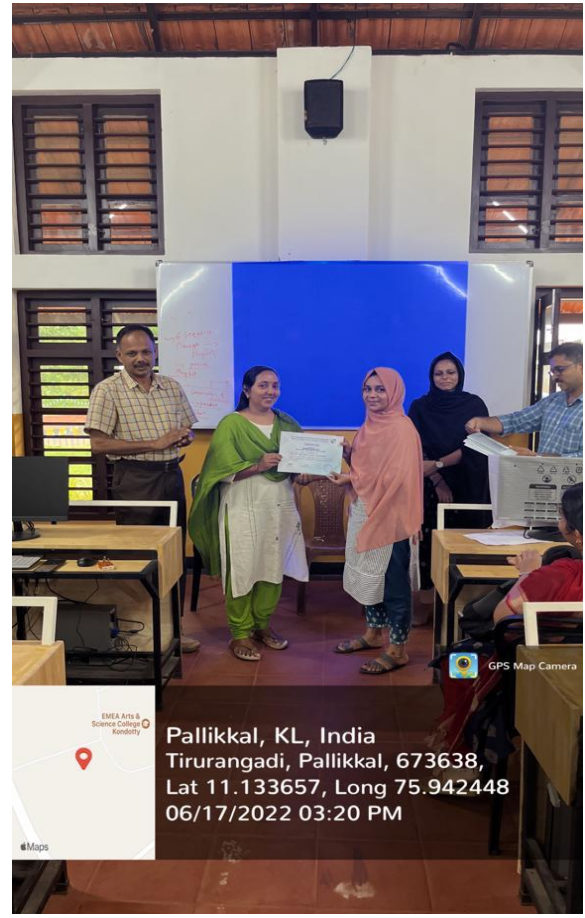
Valedictory Session

Mr. Abdurazaque P M, IQAC Coordinator



Valedictory Session

Dr. Shiji Thomas, Head Of The Department



Valedictory Session

Dr. Sahila M M



Participants with resource persons and
organizing committee