

Participative Learning

- Sahayog: Peer Assessment, Student Teacher Program
- Quiz programmes
- Manuscript Magazines
- Participation in subject related webinars, online workshops and presentations and online courses by other institutions

Department of Chemistry

1. Pair Study: Students are made into pairs with an advanced learner or an average learner with a slow learner. They are asked to sit in pairs in the class and asked to have discussions during the class and are encouraged to teach each other. They are also asked to meet the teacher as a pair to discuss the learning difficulties.
2. Peer assessment: Students are made into a group and one of this group will conduct exams on every Saturday for all others. Students set the question paper, scheme of answers and value the answer sheets. During 2021-22 this was done online in the Moodle LMS. Each group was given teacher role in Moodle LMS in the respective week for the conduct of the exam.
3. Powerpoint presentation on recent advances in Chemistry by students on every Wednesday through google meet. All students get an opportunity for presentation during their three year B.Sc. Chemistry course period.
4. Online visit to Research laboratories of M.G university.
5. Quiz programmes: Interdepartmental and intercollegiate.
6. Project presentation by the pass out batch to inspire and guide the present students.
6. Projects are assessed as part of evaluation. Students learn to work in a team, perform experiments, collect, analyze data and make presentations by using ICT

Peer Assessment Group: V Core Chemistry

Group 1	Group 2	Group 3	Group 4
Anagha C	Nila S[#]	Aparna P S[#]	Devamithra M
Rameesha Jarhan[#]	Neamah Fathima M R	Smruthi N	Amaya N[#]
Aiswarya A O	Fathima Hanan E K	Riya Sunil	Sona K S
Suriya Thomas[#]	Alphonsa P J[#]	Aiswarya O	Aysha Zerine[#]
Anvitha Shyam	Ramyasree K	Sreelakshmi Vinay A P[#]	Sanikha Dinesh
		Sahna P T	Dilshana V. K.
Group 5	Group 6	Group 7	
Mariyam Binth Jahfar[#]	Swetha Satheesh V[#]	Nanda S	
Thasni A	Fathima Shiril V	Anjali Krishna T H[#]	
Anju Thomas[#]	Sandra T P	Anamika K Uday	
Gopika M	Gayathri Krishna M. G.	Megha K. T. [#]	
Meghna Babu	Ameesha C M	Mufeeda Parveen M P	
	Emil Mary Binu[#]		

#: Leaders of the group

Link to the peer assessment course in Moodle:

<https://lms.providencecollegecalicut.ac.in/course/view.php?id=279>

The screenshot shows the Moodle interface for a Peer Assessment course. At the top, the title "Peer Assessment" is displayed. Below it is a navigation breadcrumb: Home > My courses > PA > Users > Groups. Underneath, there are tabs for "Groups" (which is selected), "Groupings", and "Overview". The main heading is "PA Groups". Below this, a list of groups is shown:

- Group I (5)
- Group II (5)
- Group III (6)
- Group IV (6)
- Group V (5)
- Group VI (6)
- Group VII (5)

Weekly exams conducted by each Group

Group 1

Organic Week 1 24/05/2021-29/05/2021
Done: View **To do:** Receive a grade

QUIZ : 07/08/2021
Done: View **To do:** Receive a grade

Group II

Organic Week 2 31/05/2021-4/06/2021
Done: View **To do:** Receive a grade

QUIZ 09/08/21-13/08/21
To do: View **To do:** Receive a grade

QUIZ - 15/08/21
To do: View **To do:** Receive a grade

Group III

Organic Week 3 7/06/2021-11/06/2021
Done: View **To do:** Receive a grade

Group IV

Organic Week 4 11/06/2021- 19/06/2021
Done: View **To do:** Receive a grade

Group V

Organic Week 5 21/06/2021-26/06/2021
Done: View **To do:** Receive a grade

Group VI

Inorganic Week 6 28/06/2021 to 03/07/2021
Done: View **To do:** Receive a grade

Group VII

Organometallic
Done: View **To do:** Receive a grade

nitrocompounds week 7 11/07/2021 to 16/07/2021
Done: View **To do:** Receive a grade

QUIZ : 07/08/2021

Opened: Saturday, 7 August 2021, 7:30 PM

Closed: Saturday, 7 August 2021, 8:05 PM

Done: View **To do:** Receive a grade

Attempts allowed: 2

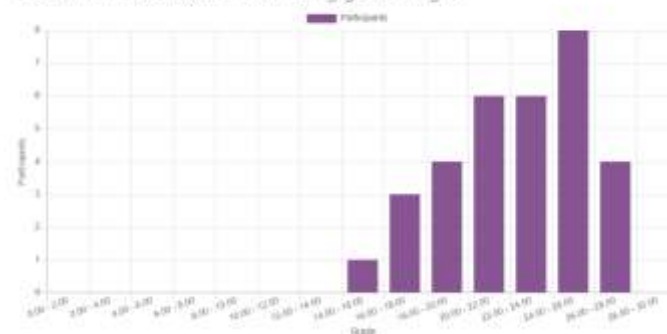
Time limit: 30 mins

Grading method: Highest grade

Attempts: 33

[Back to the course](#)

Overall number of students achieving grade ranges



Powerpoint Presentation by students 2020-21

Sl. No.	Date of the event	Name of the Student	Class of Study	Title of the talk
1	10/09/2020	Haifa Parveen	III Chemistry	Elimination of Sulphur
		Abhirami S. M.	III Chemistry	Lithium ion battery
2	17/09/2020	Anagha K	III Chemistry	Ozone Depletion
		Dilshana V. K.	II Chemistry	Recent Trends in Nanotechnology
3	23/09/2020	Agna Edison	III Chemistry	Desalination of Water
		Megha K T	II Chemistry	Chemistry of Green Tea
4	01/10/2020	Aiswarya P	III Chemistry	Drugs in drinking Water
		Anagha C	II Chemistry	Chemistry of Eggs
5	07/10/2020	Aysha Zerine	II Chemistry	Air Pollution
		Anagha M	III Chemistry	Photochemistry
6	14/10/2020	Aleena Jerarde	III Chemistry	Paracetamol Toxicity
7	25/11/2020	Ann Mariya Joy	III Chemistry	Agrochemicals and Alternatives
8	03/12/2020	Archana sasidharan	III Chemistry	Water Based Polymers
		Sr. Anju Thomas	II Chemistry	Chemistry Behind Artificial Flavours
9	18/12/2020	Chinmayi L Manoj	III Chemistry	Vaccines and Vaccinations
		Anvitha Shyam	II Chemistry	Chemistry of Addiction
10	31/12/2020	Gayathri Krishna M G	II Chemistry	Causes of Ozone Layer Depletion
		Emil Mary Binu	II Chemistry	Nanomedicine
11	06/01/2021	Nanda S	II Chemistry	Chemistry of Lipsticks
		Meghna Babu	II Chemistry	Chemistry of Chronological Dating Method
12	13/01/2021	Nila s	II Chemistry	Chemistry of Fluorescence
		Ramyasree	II Chemistry	Chemistry of Chocolate
13	20/01/2021	Smruthy N	II Chemistry	Chemistry of Ice Creams
		Sanika Dinesh	II Chemistry	Protein and Health

BUSINESS QUIZ

The main aim of this activity is

1. to test student's knowledge,
2. to develop critical thinking skills
3. to enhance teamwork skills, and
4. to create a platform for innovative learning

Inter department Business quiz series were conducted by the 3rd year students of our department. It was started from 7 August to 28 August. 4 competitions were conducted, Ms Muskan II BA ENGLISH student got 1st prize.

Online quiz link - <https://forms.gle/2W4LL1ZxT8N1dUNz7>

EXQUIZITE_20
DEPT OF BUSINESS ADMINISTRATION

B-QUIZ WINNER 🏆

MUSKAN
2ND YEAR
BA ENGLISH

-> FOR PROVIDENCE WOMEN'S COLLEGE STUDENTS
-> BUSINESS QUIZ ON EVERY FRIDAYS STARTING FROM AUG 7.
-> PARTICIPATE IN ALL FRIDAYS AND WINNER AMONG ALL THESE DAYS WIN EXCITING GIFTS
-> TIME : 4:50 PM

Quiz Competitions Organized by Department of Chemistry, Providence Women's College

Sl. No	Date	Name of the event	Name of the participant	Class of Study
1	09-08-20	Oleander: Nagazaki Day Observance	Swetha Sajeev	III Chemistry
			Neamah Fathima M R	II Chemistry
			Sandra T P	II Chemistry
			Shalima M	III Chemistry
			Shanima M	III Chemistry
			Emil Mary Binu	II Chemistry
			Anagha C	II Chemistry
			Kavya Mohan	III Chemistry
			Navya Pramod	III Chemistry
			Aparna P S	II Chemistry
			Gopika R S	III Chemistry
			Aiswarya O	II Chemistry
			Sneha S	III Chemistry
			Agna Edison	III Chemistry
			Anusmera P	III Chemistry
			Kavyalakshmi	III Chemistry
			Anagha K	III Chemistry
			Anju Thomas	II Chemistry
			Anamika K	II Chemistry
			Anusree	III Chemistry
			Anvitha Shyam	II Chemistry
			Riya Sunil	II Chemistry
			Smruthi N	II Chemistry
			Sudharshana M M	III Chemistry
			Keerthana M P	III Chemistry
			Ameesha C M	II Chemistry
			Gopika M	III Chemistry
			Anagha M	III Chemistry
			Nanda S	II Chemistry
			Rameesha Jarhan	II Chemistry
Thasni A	II Chemistry			
Anagha C	II Chemistry			
Anagha C	II Chemistry			
Swetha Sajeev	III Chemistry			
Agna Edison	III Chemistry			
Sahna P T	II Chemistry			
Ann Maria Joy	III Chemistry			
Gopika R S	III Chemistry			
Kavyalakshmi	III Chemistry			
Aiswarya O	II Chemistry			
Navya Pramod	III Chemistry			
Namitha P K	III Chemistry			
Aparna	III Chemistry			
Abhirami S M	III Chemistry			
Archana Dineshan A	III Chemistry			
Ameesha C M	II Chemistry			
Sreelakshmi Vinay	II Chemistry			

2	16-09-20	Ozone Day Observance	Anusmera P	III Chemistry
			Kavya Mohan	III Chemistry
			Fathima Hanan	II Chemistry
			Surya Thomas	II Chemistry
			Anvitha Shyam	II Chemistry
			Nila S	II Chemistry
			Aswathy Paul	III Chemistry
			Rameesha Jarhan	II Chemistry
			Devamithra M	II Chemistry
			Rahana E R	III Chemistry
			Fathima Shiril	II Chemistry
			Anagha K	III Chemistry
			Anamika K	II Chemistry
			Swetha Satheesh	II Chemistry
			Sneha S	III Chemistry
			Anjali E M	III Chemistry
			Riya Sunil	II Chemistry
			Sudharshana M M	III Chemistry
			Anusree	III Chemistry
			Anagha M	III Chemistry
			Meghna Babu	II Chemistry
			Aiswarya K	III Chemistry
			Nanda S	II Chemistry
			Sona K S	II Chemistry
			Chinmayi L Manoj	III Chemistry

Participation in Interdepartmental / Intercollegiate quiz programmes 2020-21

Sl. No	Date	Name of the event	Name of the Organizer	Name of the participant	Class of Study
1	09-06-20	Quiz on Annual solar eclipse 2020	Vigyan Prasar in coordination with MyGov.in	Swetha Sajeev	III Chemistry
2	22-07-20	Online Space Quiz as part of Moon Landing Week Celebration	Department of Physics, Providence Women's College, Calicut	Aleena Jerade	III Chemistry
3				Kavyalakshmi	III Chemistry
4				Swetha Sajeev	III Chemistry
5				Anusree	III Chemistry
6				Anagha M	III Chemistry
7				Mariyam Bintah Jahfar	II Chemistry
8	27-07-20	National level E-Quiz on Basic Principles of Analytical Chemistry	Department of Chemistry, Santhom Malankara Arts & Science College, Thiruvananthapuram	Swetha Sajeev	III Chemistry
9	23-10-20	Quiz competition in connection with Mole day celebration	Department of Chemistry, K. K. T. M. Govt. College, Kodungallur	Anusmera P	III Chemistry
10				Swetha Sajeev	III Chemistry
11				Anagha M	II Chemistry
12				Ameesha C M	II Chemistry
13				Aiswarya O	II Chemistry
14	23-10-20	Awareness quiz on Mole day	Chemistry Association-2020, St. Dominic's College, Kanjirapally.	Swetha Sajeev	III Chemistry
15				Aiswarya O	II Chemistry
16	22-12-20	Quiz competition in connection with National Mathematics Day	Department of Mathematics, Providence Women's College Calicut	Ameesha C M	II Chemistry
17				Gopika M	II Chemistry
18	30-12-20	E-Quiz on Polymers and Macromolecules	Department of Chemistry, Morning Star Home Science College, Angamaly	Anusmera P	III Chemistry
19				Ameesha C M	II Chemistry
20				Gayathri Krishna M G	II Chemistry
21				Aiswarya O	II Chemistry
22				Gopika M	II Chemistry
23	08-05-21	Quizophile 2020	EGS PILLAY group of institutions	Smruthi N	II Chemistry
24	23-05-21	National Chemistry proficiency test, Rasayan	Thakur college of Science and Commerce, Mumbai	Smruthi N	II Chemistry

Certificate of Participation



Vigyan Prasar & MyGov congratulate

Swetha Sajeev

for successfully completing the Quiz on Annular Solar Eclipse - 2020

We salute your effort. Keep participating...!

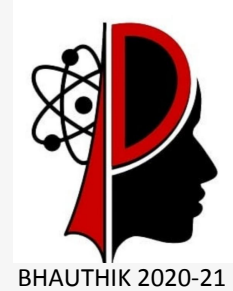
Warm Regards,
Dr. Nakul Parashar
Director, Vigyan Prasar

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



CERTIFICATE OF ACHIEVEMENT



This is to certify that Aleena Jerarde of year 2019-2021 Batch BSc Chemistry, Providence women's college has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000030

Date : 22-7-2020

Dr. Sr. Ashmitha A C
Principal

Dr. A Shobha
HOD Dept. Physics

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



CERTIFICATE OF ACHIEVEMENT



BHAUTHIK 2020-21

This is to certify that Kavyalakshmi of year Chemistry, Providence women's college has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000112

Date : 22-7-2020

Dr(Sr) Jaseena Joseph
Principal

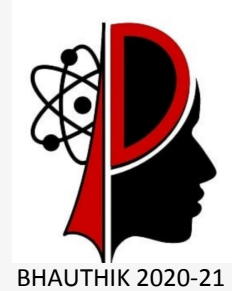
Dr. A Sobha
Head, Dept. of Physics

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



CERTIFICATE OF ACHIEVEMENT



BHAUTHIK 2020-21

This is to certify that Swetha Sajeev of year Third year, Chemistry, Providence Women's College, Calicut has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000193

Date : 22-7-2020

Dr.(Sr) Jaseena Joseph
Principal

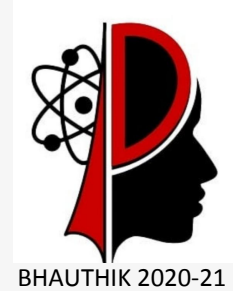
Dr. A Sobha
Head, Dept. of Physics

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



CERTIFICATE OF ACHIEVEMENT



BHAUTHIK 2020-21

This is to certify that Anusree of year 3rd Chemistry, Providence Womens College has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000145

Date : 22-7-2020

Dr.(Sr) Jaseena Joseph
Principal

Dr. A Sobha
Head, Dept. of Physics

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



BHAUTHIK 2020-21

CERTIFICATE OF ACHIEVEMENT

This is to certify that ANAGHA M of year 3rd, CHEMISTRY, PROVIDENCE WOMEN'S COLLEGE has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000042

Date : 22-7-2020

Dr. Sr. Ashmitha A C
Principal

Dr. A Shobha
HOD Dept. Physics

PROVIDENCE WOMEN'S COLLEGE

Carmel Hill, Malaparamba, Kozhikode - 673009



CERTIFICATE OF ACHIEVEMENT



BHAUTHIK 2020-21

This is to certify that Mariyam Bintah Jahfar of year 2nd year chemistry, Providence women's college has participated in Online Space Quiz as part of Moon Landing Week Celebration conducted by Physics Association BHAUTHIK 2020-21, Department of Physics, Providence Women's College, Kozhikode.

Certificate ID : IJOJ5E-CE000065

Date : 22-7-2020

Dr. Sr. Ashmitha A C
Principal

Dr. A Shobha
HOD Dept. Physics



SANTHOM

MALANKARA ARTS & SCIENCE COLLEGE, EDANJI

Manchavilakom P.O., Thiruvananthapuram - 695 503

(Affiliated to the University of Kerala)

Certificate of Participation

This is to certify that Ms.Swetha Sajeev, Third year degree student, Department of Chemistry, Providence Women's College, Calicut has successfully completed the National level E-Quiz on "Basic Principles of Analytical Chemistry" organized by the Department of Chemistry, Santhom Malankara Arts & Science College, Edanji, Thiruvananthapuram - 695 503.

Convenor

27-7-2020



Principal

K. K. T. M. GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR
Department of Chemistry



Certificate



Verified Participant

This is to certify that Mr./Miss Anusmera P , Providence Women's College has participated in the Quiz competition for students in connection with “Mole Day Celebration” organised by Department of Chemistry, Govt. K. K. T. M. College, Pullut, Kodungallur held on 23/10/2020.

Mrs. Preetha K.
Coordinator

Mr. Rijoy K. J.
HOD

Dr. Nesy E. A.
Principal

K. K. T. M. GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR
Department of Chemistry



Certificate



Verified Participant

This is to certify that Mr./Miss Swetha Sajeew , Providence Women's College has participated in the Quiz competition for students in connection with "Mole Day Celebration" organised by Department of Chemistry, Govt. K. K. T. M. College, Pullut, Kodungallur held on 23/10/2020.

Mrs. Preetha K.
Coordinator

Mr. Rijoy K. J.
HOD

Dr. Nesy E. A.
Principal

K. K. T. M. GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR
Department of Chemistry



Verified Participant

This is to certify that Mr./Miss ANAGHA M , PROVIDENCE WOMEN'S COLLEGE has participated in the Quiz competition for students in connection with "Mole Day Celebration" organised by Department of Chemistry, Govt. K. K. T. M. College, Pullut, Kodungallur held on 23/10/2020.

Mrs. Preetha K.
Coordinator

Mr. Rijoy K. J.
HOD

Dr. Nesy E. A.
Principal

K. K. T. M. GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR
Department of Chemistry



Certificate



Verified Participant

This is to certify that Mr./Miss Ameesha C M , Providence Women's College has participated in the Quiz competition for students in connection with “Mole Day Celebration” organised by Department of Chemistry, Govt. K. K. T. M. College, Pullut, Kodungallur held on 23/10/2020.

Mrs. Preetha K.
Coordinator

Mr. Rijoy K. J.
HOD

Dr. Nesy E. A.
Principal

K. K. T. M. GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR
Department of Chemistry



Certificate



Verified Participant

This is to certify that Mr./Miss Aiswarya O , Providence women's college Calicut has participated in the Quiz competition for students in connection with "Mole Day Celebration" organised by Department of Chemistry, Govt. K. K. T. M. College, Pullut, Kodungallur held on 23/10/2020.

Mrs. Preetha K.
Coordinator

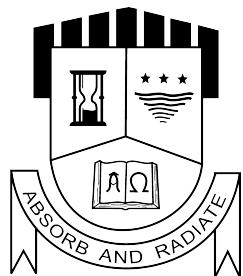
Mr. Rijoy K. J.
HOD

Dr. Nesy E. A.
Principal

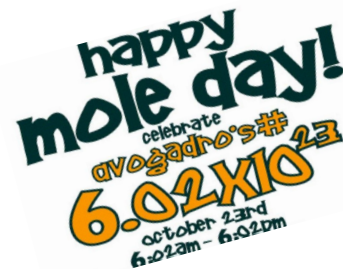
ST. DOMINIC'S COLLEGE, KANJIRAPALLY

Parathode P O, Kottayam, Kerala, PIN-686512

(Re- Accredited by NAAC with A Grade)



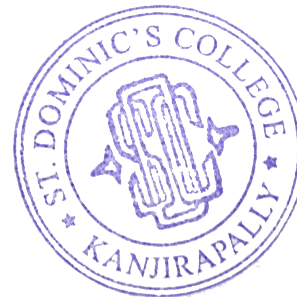
CERTIFICATE OF PARTICIPATION AWARENESS QUIZ ON MOLE DAY



This is to certify that **Swetha Sajeev, Department of Chemistry, Providence Women's College** has successfully completed the E-Quiz on “INTERNATIONAL MOLE DAY” organized by Chemistry Association-2020, St. Dominic's College, Kanjirapally, Kottayam on 23-10-2020 with a passing score of **88%**

Nidhin Joy
Co-ordinator

Dr. Renjini Joseph
HOD



Dr. Ancy Joseph
Principal

ST. DOMINIC'S COLLEGE, KANJIRAPALLY

Parathode P O, Kottayam, Kerala, PIN-686512

(Re- Accredited by NAAC with A Grade)



CERTIFICATE OF PARTICIPATION AWARENESS QUIZ ON MOLE DAY



This is to certify that **Aiswarya O, Chemistry, Providence women's college Calicut** has successfully completed the E-Quiz on **“INTERNATIONAL MOLE DAY”** organized by Chemistry Association-2020, St. Dominic's College, Kanjirapally, Kottayam on 23-10-2020 with a passing score of **92%**

Nidhin Joy
Co-ordinator

Dr. Renjini Joseph
HOD



Dr. Ancy Joseph
Principal



PROVIDENCE WOMEN'S COLLEGE

CALICUT-673009

Certificate of Participation

This is to certify that Mr./Ms Ameesha C M ,Second Year Bsc.Chemistry & Providence Women's
College

participated in the quiz competition in association with National Mathematics

Day,organized by Department of Mathematics and Statistics, Providence Women's

college.

Ms. Aiswarya Paul
HOD,Mathematics

Dr.Sr. Ashmitha A
C

Princ

Made for free with Certify'em



PROVIDENCE WOMEN'S COLLEGE

CALICUT-673009

Certificate of Participation

This is to certify that Mr./Ms Gopika M, 2nd DC Chemistry, Providence women's college
Malaparamb calicut Kerala India

participated in the quiz competition in association with National Mathematics
Day, organized by Department of Mathematics and Statistics, Providence Women's
college.

Ms. Aiswarya Paul
HOD, Mathematics

Dr. Sr. Ashmitha A
C

Princip

Made for free with Certify'em



Morning Star Home Science College Angamaly

Affiliated to Mahatma Gandhi University Kottayam and Re-accredited by NAAC with A Grade

Certificate of Appreciation

Anusmera P

Providence Women's College, Calicut.

has successfully completed E-Quiz on “Polymers and Macromolecules” conducted by Department of Chemistry, Morning Star Home Science College Angamaly on 30/12/2020

Principal

Coordinator and HOD

Joint Coordinator



Morning Star Home Science College Angamaly

Affiliated to Mahatma Gandhi University Kottayam and Re-accredited by NAAC with A Grade

Certificate of Appreciation

AMEESHA C M

Providence Women's College

has successfully completed E-Quiz on “Polymers and Macromolecules” conducted by Department of Chemistry, Morning Star Home Science College Angamaly on 30/12/2020

Principal

Coordinator and HOD

Joint Coordinator



Morning Star Home Science College Angamaly

Affiliated to Mahatma Gandhi University Kottayam and Re-accredited by NAAC with A Grade

Certificate of Appreciation

Gayathri Krishna M G

Providence Women's College

has successfully completed E-Quiz on “Polymers and Macromolecules” conducted by Department of Chemistry, Morning Star Home Science College Angamaly on 30/12/2020

Principal

Coordinator and HOD

Joint Coordinator



Morning Star Home Science College Angamaly

Affiliated to Mahatma Gandhi University Kottayam and Re-accredited by NAAC with A Grade

Certificate of Appreciation

Aiswarya O

Providence women's college

has successfully completed E-Quiz on “Polymers and Macromolecules” conducted by Department of Chemistry, Morning Star Home Science College Angamaly on 30/12/2020

Principal

Coordinator and HOD

Joint Coordinator



Morning Star Home Science College Angamaly

Affiliated to Mahatma Gandhi University Kottayam and Re-accredited by NAAC with A Grade

Certificate of Appreciation

Gopika M

Providence women's college Malaparamb calicut Kerala India

has successfully completed E-Quiz on “Polymers and Macromolecules” conducted by Department of Chemistry, Morning Star Home Science College Angamaly on 30 December

Principal

Coordinator and HOD

Joint Coordinator



EGS PILLAY



Group of Institutions

ENGINEERING | ARTS & SCIENCE | POLYTECHNIC | PHARMACY | B.ED., | INTERNATIONAL SCHOOL (CBSE)

Certificate of Participation

This certificate is awarded to

SMRUTHI N

PROVIDENCE WOMEN'S COLLEGE

for actively participating in

ONLINE QUIZOPHILE 2020 COMPETITION

organized by

EGS Pillay Group of Institutions-Nagapattinam.

**Quizophile
2020**

Prof.K.Manikanda Kumaran

Admission Chairman

Mr.T.Vijay Sundaram

Director-EGS GOI

Dr.S.Chandrasekar

CEO-EGS GOI



CERTIFICATE

Thakur Educational Trust's (Regd.)

**THAKUR COLLEGE OF SCIENCE AND COMMERCE
[AUTONOMOUS] KANDIVALI, MUMBAI, INDIA**



[NAAC Accredited with Grade 'A' (3rd Cycle) and ISO 9001:2015 Certified]

Best College Award by University of Mumbai for the Year 2018-2019

Department of Chemistry

Congratulates

Mr./Ms. **Smruthi N** for the successful participation in the *National Chemistry Proficiency Test*
-Rasayan (NCPT-R2021), organized during March-2021.

Dr. S. D. Ajagekar
Vice Principal, TCSC

Prin. Dr. (Mrs.) C. T. Chakraborty
Head, Department of Chemistry



SREE SANKARA VIDYAPEETOM COLLEGE, VALAYANCHIRANGARA

PERUMBAVOOR, ERNAKULAM, KERALA, INDIA

Reaccredited With NAAC 'A' Grade & Affiliated to Mahatma Gandhi University, Kottayam



DEPARTMENT OF CHEMISTRY

NATIONAL WEBINAR ON STEREOCHEMISTRY

CERTIFICATE OF PARTICIPATION

This is to certify that **KAVYALAKSHMI** , Third year chemistry , Providence women's college has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

Dr.P N Harisharma
(HOD&Co-ordinator)

Poornima M P
(Convenor)

Dr.Padma P.
(Principal)



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DEPARTMENT OF CHEMISTRY

NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Feduva Ahammed**, Third year Bsc chemistry, Providence women's college calicut has participated in the National Webinar on STEREOCHEMISTRY organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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(HOD&Co-ordinator)

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Swetha Sajeev**, Third year BSc Chemistry student, Providence Women's College, Calicut has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

Dr.P N Harisharma
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This is to certify that **Aparna Janish**, 3rd year Bsc Chemistry student, Providence women's college has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **Agna Edison**, 3rd year BSc Chemistry student, Providence Women's College Kozhikode has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **Sneha S**, 3rd year BSc Chemistry student, Providence Womens College has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Haifa Parveen**, third year Bsc.chemistry student, providence women's college has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

Dr.P N Harisharma
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This is to certify that **Shanima m , Bsc chemistry, Providence women's college Calicut** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **Aleena Jerarde**, BSc Chemistry, 3rd year student, Providence women's college, Malaparamba has participated in the National Webinar on STEREOCHEMISTRY organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Aswathi K P**, Student, **Providence womens college, Malaparambu** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **Navya pramod**, Third year bsc chemistry student, Providence womens college, **malaparamb** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **sangeetha.m**, student, **providens womens college/ maluparambu** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Anagha V**, 3rd year Bsc chemistry, **Providence Women's College** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **Chinmayi L Manoj** , Student, Providence Women's College, Calicut has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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This is to certify that **Anusree**, 3rd year BSc. Chemistry student, Providence Womens College has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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NATIONAL WEBINAR ON STEREOCHEMISTRY

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This is to certify that **ANAGHA.M**, 3rd Year Bsc student, **PROVIDENCE WOMEN'S COLLEGE** has participated in the **National Webinar on STEREOCHEMISTRY** organized by P.G. Department of Chemistry, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Ernakulam, Kerala on 21st May 2020.

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UNIVERSITY OF KERALA

Department of Chemistry
Kariavattom Campus-Trivandrum, Kerala, India

Certificate of Participation

"Webinar on Recent Trends in Chemical Biology"

This is to certify that **Archana Dinesan A, Degree, Providence women's college malaparamba** has participated in the **International Webinar on Recent Trends in Chemical Biology** organized by the Department of Chemistry, Kariavattom campus, University of Kerala, Trivandrum, Kerala on 18-19 june 2020.

Head, Department of Chemistry
(Dr. Sony George)

Convenor
(Dr. Ajesh P. Thomas)

Co-convenor
(Dr. Ani Deepthi)



Certificate of Participation

This is to certify that Kavyalakahmi of Providence women's college has actively participated in the Online International Webinar on Molecular Crystallography held on 07th August, 2020 organized by the Department of Sciences and Humanities In association with Christite Association of Sciences and Humanities.

A handwritten signature in black ink on a white background, appearing to read "mithi".

Convenor

A handwritten signature in black ink on a white background, appearing to read "Kavya".

HOD
Department of S & H

A handwritten signature in black ink on a white background, appearing to read "J. Jayaram".

Dean
SoE and SoA



St Aloysius College (Autonomous) Mangaluru - 575 003, Karnataka

CERTIFICATE

This is to certify that **Aleena Jerarde** of **Providence women's college** has participated in Webinar on **"Introduction to Electron Microscopy with Live Imaging Demonstration."** by **Dr Maude Cuchiara**, *Associate Director, Research Triangle Nanotechnology Network, NC State University*, **Dr Holly Leddy** and **Dr Talmage Tyler**, *Engineers, Shared Materials Instrumentation Facility, Duke University* organized by the Department of Chemistry, St Aloysius College (Autonomous), Mangaluru - 575 003 on August 10, 2020

Ms Preema cealla Pais
Coordinator

Dr Ronald Nazareth
Head of the Department

Rev Dr Praveen Martis S J
Principal





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CERTIFICATE

This is to certify that **ANAGHA M** of **PROVIDENCE WOMEN'S COLLEGE** has participated in Webinar on "**Introduction to Electron Microscopy with Live Imaging Demonstration.**" by **Dr Maude Cuchiara**, *Associate Director, Research Triangle Nanotechnology Network, NC State University*, **Dr Holly Leddy** and **Dr Talmage Tyler**, *Engineers, Shared Materials Instrumentation Facility, Duke University* organized by the Department of Chemistry, St Aloysius College (Autonomous), Mangaluru - 575 003 on August 10, 2020

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Principal





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This is to certify that **Anusmera P** of **Providence Women's College** has participated in Webinar on **"Introduction to Electron Microscopy with Live Imaging Demonstration."** by **Dr Maude Cuchiara, Associate Director, Research Triangle Nanotechnology Network, NC State University, Dr Holly Leddy and Dr Talmage Tyler, Engineers, Shared Materials Instrumentation Facility, Duke University** organized by the Department of Chemistry, St Aloysius College (Autonomous), Mangaluru - 575 003 on August 10, 2020

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Coordinator

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This is to certify that **ALEENA JERARDE**, STUDENT, PROVIDENCE WOMEN'S COLLEGE, MALAPARAMBA, CALICUT has participated in the **Nobel Laureate Lecture Series - Lecture-1 'CRYO-ELECTRON MICROSCOPY OF BIOLOGICAL MOLECULES'** by **Prof. Joachim Frank, 2017 Nobel Prize in Chemistry** organised by the Post Graduate and Research Department of Chemistry, Mar Athanasius College(Autonomous), Kothamangalam, Kerala on 11 August 2020.

Dr. Jayamma Francis
Head of the Department



Dr. Manju Kurian
Convenor

Dr. Shanti A Avirah
Principal



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This is to certify that SUDARSANA M M, Student, PROVIDENCE WOMAN'S COLLEGE has participated in the **Nobel Laureate Lecture Series - Lecture-1 'CRYO-ELECTRON MICROSCOPY OF BIOLOGICAL MOLECULES'** by Prof. Joachim Frank, 2017 Nobel Prize in Chemistry organised by the Post Graduate and Research Department of Chemistry, Mar Athanasius College(Autonomous), Kothamangalam, Kerala on 11 August 2020.

Dr. Jayamma Francis
Head of the Department



Dr. Manju Kurian
Convener

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Presented to **Ms. Aleena Jerarde** of **Providence women's college, Malaparamba** for attending the session on "**Magnetism, Nowadays and Around Us**" by **Dr. Kartik Chandra Mondal**, Assistant Professor, Department of Chemistry, IIT-Madras, held on **18th August 2020** at 3PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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HOD, Chemistry



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This is to certify that

ANUSMERA P

Fifth semester , BSc. Chemistry

Providence Women's College, Calicut

has attended the WEBINAR SERIES 2 on **MATERIAL SCIENCE**
organized by Research & Post Graduate Department of Chemistry,
Bishop Moore College, Mavelikara from **19-21 August 2020**.

Handwritten signature of Dr. Deepa Thomas in black ink.

Dr. Deepa Thomas
Convenor

Handwritten signature of Ms. Siji K Mary in black ink.

Ms. Siji K Mary
Head of the Department

Handwritten signature of Dr. Jacob Chandy in green ink, dated 19.08.2020.

Dr. Jacob Chandy
Principal

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MARIYAM BINTH JAHFAR

Third semester BSc Chemistry

Providrnce Womens College, Calicut

has attended the WEBINAR SERIES 2 on **MATERIAL SCIENCE**
organized by Research & Post Graduate Department of Chemistry,
Bishop Moore College, Mavelikara from **19-21 August 2020.**

Dr. Deepa Thomas
Convenor

Ms. Siji K Mary
Head of the Department

Dr. Jacob Chandy
Principal



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Presented to **Ms. Sreelakshmi Vinay AP** of **Providence women's college, Malparamba, Calicut** for attending the session on “Construction of C-N bond using carbene as a precursor: synthesis of biologically relevant chemical systems” by **Prof. Dr. Sivasankar C**, Department of Chemistry, **Pondicherry University**, held on **26th August 2020** at 11:30AM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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Presented to **Ms. Smruthi N** of **Providence women's college, Calicut** for attending the session on “**Construction of C-N bond using carbene as a precursor: synthesis of biologically relevant chemical systems**” by **Prof. Dr. Sivasankar C**, Department of Chemistry, **Pondicherry University**, held on **26th August 2020** at 11:30AM IST.

Dr. Rani Abraham
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Dr. Rani Abraham
HOD, Chemistry



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Dr. Rani Abraham
HOD, Chemistry



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Convener



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Presented to **Sandra. T. P** of **Providence women's college kozikode** for attending the session on **"Photoredox catalysis: From Fuel to Pharmaceuticals"** by **Prof. Dr. Shoubhik Das**, Department of Chemistry, **University of Antwerp, Belgium**, held on **4th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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Presented to **Ms. Fathima Shiril .V** of **Providence women's college, calicut** for attending the session on **“Photoredox catalysis: From Fuel to Pharmaceuticals”** by **Prof. Dr. Shoubhik Das**, Department of Chemistry, **University of Antwerp, Belgium**, held on **4th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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This is to certify that Aleena Jerarde, BSc Chemistry final year student, Providence women's college Malaparamba Calicut has participated in the Nobel Laureate Lecture Series - Lecture-3 'STEPS TOWARDS COMPLEX MATTER: CHEMISTRY!' by Dr. Jean-Marie LEHN, 1987 Nobel Prize in Chemistry organised by the Post Graduate and Research Department of Chemistry, Mar Athanasius College(Autonomous), Kothamangalam, Kerala on 7 September 2020.

Dr. Jayamma Francis
Head of the Department



Dr. Manju Kurian
Convener

Dr. Shanti A Avirah
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Presented to **Ms.Fathima Hanan EK** of **Providence women's College, Malaparamba, Calicut** for attending the session on **“Visualizing Reactions: What transition states tell us?”** by **Dr. Rajeev R**, Asst. Professor, Department of Chemistry, **NIT Rourkela**, held on **8th September 2020** at **3:00PM IST**.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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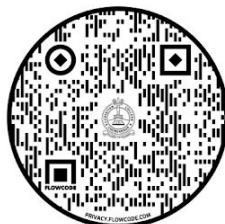
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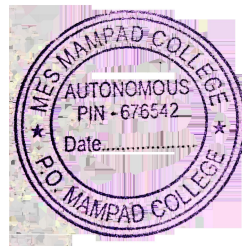
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This is to certify that **Greta Alphonsa George** , Student of Providence women's college has participated in the National Webinar On “Nanotechnology for Energy Applications” Organized by PG and Research department of Chemistry, MES Mampad College (Autonomous), Kerala on 12th September 2020

Faseena N.M
Coordinator

Jamsheer A.M
HoD



Anas E
Principal



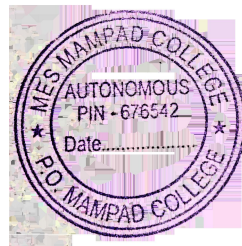
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Faseena N.M
Coordinator

Jamsheer A.M
HoD



Anas E
Principal



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Ms. ASWATHY PAUL

Providence Women's College, Calicut

has participated in the Webinar on

“ NANOSCIENCE & TECHNOLOGY ”

organised by the Department of Basic Sciences and Humanities , Rajagiri School of Engineering & Technology from 16th to 18th September 2020

Dr. Deepa K. Baby
Coordinator

Dr. Antony V. Varghese
Convener



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Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



**ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI,
CALICUT, KERALA-673 008, INDIA**

(REACCREDITED WITH A++ BY NAAC)

DEPARTMENT OF CHEMISTRY

(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that Ms. ANAGHA C, STUDENT , PROVIDENCE WOMEN'S COLLEGE, CALICUT, KERALA, INDIA has participated in the webinar 'Polymers in Tissue Engineering and Regenerative Medicine' by Dr. Robin Augustine, Senior Postdoctoral Researcher, Biomedical Research Center & Mechanical Engineering Department, Qatar University, Doha organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on September 25th, 2020.

DR. RANIMOL STEPHEN & DR. SAUMYA VARGHESE
CO-ORDINATORS

DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI, CALICUT, KERALA-673 008, INDIA

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DEPARTMENT OF CHEMISTRY

(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that Gopika M, Bsc Chemistry student, Providence women's college Malaparamb calicut Kerala India has participated in the webinar '**Polymers in Tissue Engineering and Regenerative Medicine**' by **Dr. Robin Augustine, Senior Postdoctoral Researcher, Biomedical Research Center & Mechanical Engineering Department, Qatar University, Doha** organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on September 25th, 2020.

DR. RANIMOL STEPHEN & DR. SAUMYA VARGHESE
CO-ORDINATORS

DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



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(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that Sona K S , Student , Providence Women's College, Calicut has participated in the webinar '**Polymers in Tissue Engineering and Regenerative Medicine**' by **Dr. Robin Augustine, Senior Postdoctoral Researcher, Biomedical Research Center & Mechanical Engineering Department, Qatar University, Doha** organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on September 25th, 2020.

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DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI, CALICUT, KERALA-673 008, INDIA

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DEPARTMENT OF CHEMISTRY

(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that SUDARSANA M M, Student of BSc Chemistry, Providence woman's college, Malaparamba, Kozhikode has participated in the webinar '**Polymers in Tissue Engineering and Regenerative Medicine**' by **Dr. Robin Augustine, Senior Postdoctoral Researcher, Biomedical Research Center & Mechanical Engineering Department, Qatar University, Doha** organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on September 25th, 2020.

DR. RANIMOL STEPHEN & DR. SAUMYA VARGHESE
CO-ORDINATORS

DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



CHRISTIAN COLLEGE CHENGANNUR

DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY (RTCST-2020)

CERTIFICATE

Presented to **Ms. Fathima Shiril .V** of **Providence women's college, calicut** for attending the session on “**Biology and life on earth : A tale of my favourite enzymes**” by **Dr. Binuraj Menon**, School of Life Sciences, **University of Warwick**, United Kingdom, held on **25th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms. Aiswarya O** of **Providence women's college** for attending the session on “**Biology and life on earth : A tale of my favourite enzymes**” by **Dr. Binuraj Menon**, School of Life Sciences, **University of Warwick**, United Kingdom, held on **25th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms.Fathima Hanan EK** of **Providence women's College, Malaparamba Calicut** for attending the session on **“Biology and life on earth : A tale of my favourite enzymes”** by **Dr. Binuraj Menon**, School of Life Sciences, **University of Warwick**, United Kingdom, held on **25th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms. Aiswarya O** of **Providence women's college** for attending the session on "From the Cell to the Pill: How the basics of science come together to create the medicines we use" by **Dr. Robin Mathew**, Clinical Strategy Lead, **Johnson & Johnson Inc. USA**, held on **26th September 2020** at 9:00 AM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR

DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY (RTCST-2020)

CERTIFICATE

Presented to **Ms. Anjali Krishna T H** of **Providence Women's College Calicut** for attending the session on "From the Cell to the Pill: How the basics of science come together to create the medicines we use" by **Dr. Robin Mathew**, Clinical Strategy Lead, **Johnson & Johnson Inc. USA**, held on **26th September 2020** at **9:00 AM IST**.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR

DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY (RTCST-2020)

CERTIFICATE

Presented to **Ms. Fathima Shiril .V** of **Providence women's college, calicut** for attending the session on “**Biology and life on earth : A tale of my favourite enzymes**” by **Dr. Binuraj Menon**, School of Life Sciences, **University of Warwick**, United Kingdom, held on **25th September 2020** at 3:00PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms. Fathima Shiril .V** of **Providence women's college, calicut** for attending the session on **“Isotopic analysis by high-resolution optical spectroscopy”** by **Dr. Carlos Abad Andrade**, Scientist, Federal Institute for Materials Research and Testing (**BAM**), **Germany**, held on **29th September 2020** at **3:00 PM IST**.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms.Fathima Hanan EK** of **Providence women's College, Malaparamba Calicut** for attending the session on **"Isotopic analysis by high-resolution optical spectroscopy"** by **Dr. Carlos Abad Andrade**, Scientist, Federal Institute for Materials Research and Testing (**BAM**), **Germany**, held on **29th September 2020** at 3:00 PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



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DEPARTMENT OF CHEMISTRY

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International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY (RTCST-2020)

CERTIFICATE

Presented to **Aiswarya O** of **Providence women's college** for attending the session on **"Isotopic analysis by high-resolution optical spectroscopy"** by **Dr. Carlos Abad Andrade**, Scientist, Federal Institute for Materials Research and Testing (**BAM**), **Germany**, held on **29th September 2020** at 3:00 PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CHRISTIAN COLLEGE CHENGANNUR
DEPARTMENT OF CHEMISTRY

Angadickal PO, Chengannur, Alappuzha (Dist), Kerala, INDIA-689122

International Webinar Series

RECENT TRENDS IN CHEMICAL SCIENCE AND TECHNOLOGY
(RTCST-2020)

CERTIFICATE

Presented to **Ms. Fathima Shiril .V** of **Providence women's college, calicut** for attending the session on “**Communication in enzymes: Is computational chemistry a tool to understand evolution?**” by **Prof. Dr. Ricardo Mata**, Institute for Physical Chemistry, **University of Göttingen, Germany**, held on **30th September 2020** at 3:00 PM IST.

Dr. Rani Abraham
HOD, Chemistry



Dr. Prinson P Samuel
Convener



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Inaugural Lecture

“Inspiring thoughts in Chemical Sciences”

This is to certify that

Ann Maria Joy, Student, Providence Women's College

has participated in the Prof. M V George Memorial Lecture Series on “**Inspiring thoughts in Chemical Sciences**” organized by the Calicut Chemistry Collective (CCC) on 3rd October 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Inaugural Lecture

"Inspiring thoughts in Chemical Sciences"

This is to certify that

SUDARSANA M M, Student of BSc Chemistry, Providence Woman's College, Malaparamba,
Kozhikode

has participated in the Prof. M V George Memorial Lecture Series on "Inspiring thoughts in Chemical Sciences" organized by the Calicut Chemistry Collective (CCC) on 3rd October 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President

K. K. T. M GOVERNMENT COLLEGE, PULLUT, KODUNGALLUR

Department of Chemistry



Verified Participant

This is to certify that Miss. Gopika M, 2 nd year BScChemistry, Providence women's college Malaparamb calicut Kerala India has participated in the International Webinar on "Principles of Quantum Mechanics" organised by Department of Chemistry and IQAC of K. K. T. M. Government College, Pullut, Kodungallur on 05-10-2020.

Mrs. Bulkeese A. V.
Coordinator

Mr. Rijoy K. J.
HOD

Dr. Sindhu S.L
IQAC coordinator

Dr. Nesy E.A.
Principal



St. Xavier's College for Women, Aluva
Re-accredited by NAAC with A Grade, CGPA 3.53
ISO 9001:2015 Certified

Affiliated to Mahatma Gandhi University, Kottayam

Certificate of Appreciation

Anagha C
Providence Women's College, Calicut

has actively participated in International Webinar on
"How fingerprinting came about and some recent cases"
on 8th October 2020 organised by
Department of Chemistry, St. Xavier's College for Women, Aluva

DR. SR. GEEGE JOANAMMA XAVIER
Principal

DR. NEWLY JOSEPH
Head of the Department

MS. SHENEVA FESTUS
Co-ordinator





St. Xavier's College for Women, Aluva
Re-accredited by NAAC with A Grade, CGPA 3.33
ISO 9001:2015 Certified

Affiliated to Mahatma Gandhi University, Kottayam

Certificate of Appreciation

Anusmera P
Providence Women's College

has actively participated in International Webinar on
"How fingerprinting came about and some recent cases"
on 8th October 2020 organised by
Department of Chemistry, St. Xavier's College for Women, Aluva

DR. SR. GEEGE JOANAMMA XAVIER
Principal

DR. NEWLY JOSEPH
Head of the Department

MS. SHENEYA FESTUS
Co-ordinator





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Certificate of Appreciation

SUDARSANA M M

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has actively participated in International Webinar on
"How fingerprinting came about and some recent cases"
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Head of the Department

MS. SHENEYA FESTUS
Co-ordinator





St. Xavier's College for Women, Aluva
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Certificate of Appreciation

Aiswarya O
Providence women's college, Calicut

has actively participated in International Webinar on
"How fingerprinting came about and some recent cases"
on 8th October 2020 organised by
Department of Chemistry, St. Xavier's College for Women, Aluva

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DR. NEWLY JOSEPH
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MS. SHENEVA FESTUS
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St. Xavier's College for Women, Aluva
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Affiliated to Mahatma Gandhi University, Kottayam

Certificate of Appreciation

Archana Dinesan A
Providence women's college

has actively participated in International Webinar on
"How fingerprinting came about and some recent cases"
on 8th October 2020 organised by
Department of Chemistry, St. Xavier's College for Women, Aluva

DR. SR. GEEGE JOANAMMA XAVIER
Principal

DR. NEWLY JOSEPH
Head of the Department

MS. SHENEYA FESTUS
Co-ordinator





CERTIFICATE

Three Day National Webinar on 'Frontiers of Spectroscopy'

Organized by

Post Graduate & Research Department of Chemistry,
Govt. College Madappally, Vadakara.

This is to certify that Chinmayi L Manoj , Student, Providence Women's College, Calicut has participated in Three day National Webinar on '**Frontiers of Spectroscopy**' organized by Post Graduate & Research Department of Chemistry, Govt. College Madappally, Vadakara on 2nd, 5th & 10th October 2020.

Liyakhath F M
Coordinator

Dr. Preetha B
Convener

Dr. Udayakumar O K
Principal



CERTIFICATE

Three Day National Webinar on 'Frontiers of Spectroscopy'

Organized by

Post Graduate & Research Department of Chemistry,
Govt. College Madappally, Vadakara.

This is to certify that SUDARSANA M M, Student, Providence Woman's College, Malaparamba, Kozhikode has participated in Three day National Webinar on '**Frontiers of Spectroscopy**' organized by Post Graduate & Research Department of Chemistry, Govt. College Madappally, Vadakara on 2nd, 5th & 10th October 2020.

Liyakhath F M
Coordinator

Dr. Preetha B
Convener

Dr. Udayakumar O K
Principal



ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI, CALICUT, KERALA-673 008, INDIA

(REACCREDITED WITH A++ BY NAAC)

DEPARTMENT OF CHEMISTRY

(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that Ms. Neamah Fathima MR, Student, Providence women's college malaparamba, kerala, India has participated in the webinar '**Organic Chemistry: How Much Should We Mug Up?**' by **Dr. Ramesh Ramapanicker, Associate Professor, Department of Chemistry, Indian Institute of Technology, Kanpur** organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on October 14th, 2020.

DR. RANIMOL STEPHEN & DR. SAUMYA VARGHESE
CO-ORDINATORS

DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



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DEPARTMENT OF CHEMISTRY

(WEBSITE: WWW.DEVAGIRICOLLEGE.ORG)

CERTIFICATE

International Webinar Series on Advanced Topics in Chemistry

(Supported by DBT-STAR)

This is to certify that Ms Gopika M, BSc Chemistry student, Providence women's college Malaparamb has participated in the webinar '**Organic Chemistry: How Much Should We Mug Up?**' by **Dr. Ramesh Ramapanicker, Associate Professor, Department of Chemistry, Indian Institute of Technology, Kanpur** organized by Department of Chemistry, St. Joseph's College (Autonomous) Devagiri, Calicut, Kerala, India on October 14th, 2020.

DR. RANIMOL STEPHEN & DR. SAUMYA VARGHESE
CO-ORDINATORS

DR. TANIA FRANCIS
HEAD, DEPARTMENT OF CHEMISTRY

DR. SABU K THOMAS
PRINCIPAL



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry --- I will attend, will you"

This is to certify that

**SUDARSANA M M, Student of BSc Chemistry, Providence women's college, Malaparamba,
Kozhikode**

has participated in the Prof. M V George Memorial Lecture Series on **"Basics of Quantum Chemistry ---
I will attend, will you?"** organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry --- I will attend, will you"

This is to certify that

Ramyasree k, Student, Providence women's college Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Basics of Quantum Chemistry --- I will attend, will you?"** organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry --- I will attend, will you"

This is to certify that

Gayathri Krishna M G , Student , Providence Women's College , Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Basics of Quantum Chemistry --- I will attend, will you?"** organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry -- I will attend, will you"

This is to certify that

Aiswarya O, Student, Providence women's college

has participated in the Prof. M V George Memorial Lecture Series on "Basics of Quantum Chemistry -- I will attend, will you?" organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikfishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry --- I will attend, will you"

This is to certify that

Smruthi N, Student, Providence women's college, Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Basics of Quantum Chemistry --- I will attend, will you?"** organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



Prof. M V George Memorial Lecture Series

Third Lecture

"Basics of Quantum Chemistry -- I will attend, will you"

This is to certify that

Anju Thomas , Student, Providence women's college calicut

has participated in the **Prof. M V George Memorial Lecture Series** on **"Basics of Quantum Chemistry -- I will attend, will you?"** organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



Prof. M V George Memorial Lecture Series

Third Lecture

“Basics of Quantum Chemistry --- I will attend, will you”

This is to certify that

Ms. Anusmera P, Student , Providence Women's College, Calicut.

has participated in the Prof. M V George Memorial Lecture Series on **“Basics of Quantum Chemistry ---**

I will attend, will you?” organized by the Calicut Chemistry Collective (CCC) on 19th December 2020.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President

INDIRA GANDHI COLLEGE



OF ARTS AND SCIENCE

NELLIKUZHY P.O., KOTHAMANGALAM - 686691, KERALA

(AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA)

CERTIFICATE

This is to certify that SMRUTHI N., Providence Women's College, Calicut has successfully completed the National Webinar on

Topic: "APPLICATION OF GROUP THEORY TO METAL COMPLEXES"

Resource Person: Dr. Jayamma Francis, Associate Professor, Mar Athanasius College (Autonomous), Kothamangalam, Kerala State conducted on 17 November, 2020 from 10.00 A.M. – 12.30 P.M. (IST)

Organized by Department of Chemistry in Association with IQAC of this Institution.

**Mr.Sajid A.M.
IQAC Coordinator**

**Dr.N. V. ELDHO
Faculty Coordinator**

**Prof. T. V. JACOB
HOD**

**Dr. C. V. THOMAS
PRINCIPAL**



MAHARAJA'S COLLEGE, ERNAKULAM

POST GRADUATE & RESEARCH DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that *Anusmera P, 3rd year BSc Chemistry, Providence Women's College* has participated in the *Webinar on "Molecular Spectroscopy"* organized by the Post Graduate & Research Department of Chemistry, Maharaja's College, Ernakulam on 8th December 2020.

Dr. REJIMON P. K.
Sri. DEEPAK J PRABHU
(Co-ordinators)

Sri K. P. ASHOKAN
(Head of the Department)



Dr. MATHEW GEORGE
(Principal)



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Ms. Ameesha C M , Student, Providence Women's College

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Miss Gayathri Krishna M G , Student , Providence Women's College

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"**

organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Anusree, 3rd Chemistry, Providence Women’s College

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Megha KT, Student , Providence women's college calicut

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Rameesha Jarhan, 2nd chemistry, Providence Women's College, Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"**

organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Mufeeda Parvin MP, Student, Providence women's college Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Archana Dinesan A, Student, Providence women's college

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Smruthi N, Student, Providence women's college

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikfishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Dilshana vk, Student, Providence women's college Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Anamika k uday, Bsc Chemistry ,2nd yr, Providence women's college.

has participated in the **Prof. M V George Memorial Lecture Series on "Chemistry Beyond Molecules"**
organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Ms Aysha Zerine, Student, Providence women's college, Calicut

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Ms. Anusmera P , Student , Providence Women's College, Calicut

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

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President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Ms.Fathima Hanan EK, Student, Providence Women's College,Calicut

has participated in the **Prof. M V George Memorial Lecture Series on “Chemistry Beyond Molecules”**

organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Ms. Emil Mary Binu, Student, Providence Women's College, Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

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Secretary

Prof. K K Unnikfishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

Ms. Fathima Shiril .V, Student, Providence women's college, calicut

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



Prof. M V George Memorial Lecture Series

Fourth Lecture

“Chemistry Beyond Molecules”

This is to certify that

ANAGHA M, III YEAR CHEMISTRY, PROVIDENCE WOMEN'S COLLEGE

has participated in the Prof. M V George Memorial Lecture Series on **“Chemistry Beyond Molecules”**

organized by the **Calicut Chemistry Collective (CCC)** on 16th January 2021.

Dr. K K Devadasan
Secretary

Prof. K K Unnikrishnan
President



Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Ms Sreelakshmi Vinay AP , Student, Providence women's college ,Calicut

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

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Secretary

Prof. K K Unnikrishnan
President



CALICUT CHEMISTRY COLLECTIVE

Prof. M V George Memorial Lecture Series

Fourth Lecture

"Chemistry Beyond Molecules"

This is to certify that

Aiswarya O, Student, Providence women's college

has participated in the Prof. M V George Memorial Lecture Series on **"Chemistry Beyond Molecules"** organized by the Calicut Chemistry Collective (CCC) on 16th January 2021.

Dr. K K Devadasan
Secretary

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Marampally P.O., Aluva, Ernakulam, Kerala



NATIONAL WEBINAR ON STARTING THE STARTUPS

DEPARTMENT OF COMPUTER APPLICATIONS &
INSTITUTION'S INNOVATION COUNCIL (IIC)

CERTIFICATE OF PARTICIPATION

This is to certify that

Adheena.N.K

Student, Providence womens college

has attended the National Webinar on 'Starting the Startups' on 9 July 2020 organized by Department of Computer Applications in association with Institution's Innovation Council (IIC), MES College Marampally, Aluva.


Lt. Ibrahim Salim M.
Coordinator


Dr. Murugan R.
Head of the Department




Dr. Ajims P. Muhammed
Principal



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DEPARTMENT OF COMPUTER APPLICATIONS &
INSTITUTION'S INNOVATION COUNCIL (IIC)

CERTIFICATE OF PARTICIPATION

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Ayisha Anis

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CERTIFICATE OF PARTICIPATION

This is to certify that

Chinnu Prakash

Student, Providence Women's college calicut

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Student, Providence women's college

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Dr. Ajims P. Muhammed
Principal

Dr. Murugan R.
Head of the Department



Lt. Ibrahim Salim M.
Coordinator

Webinars

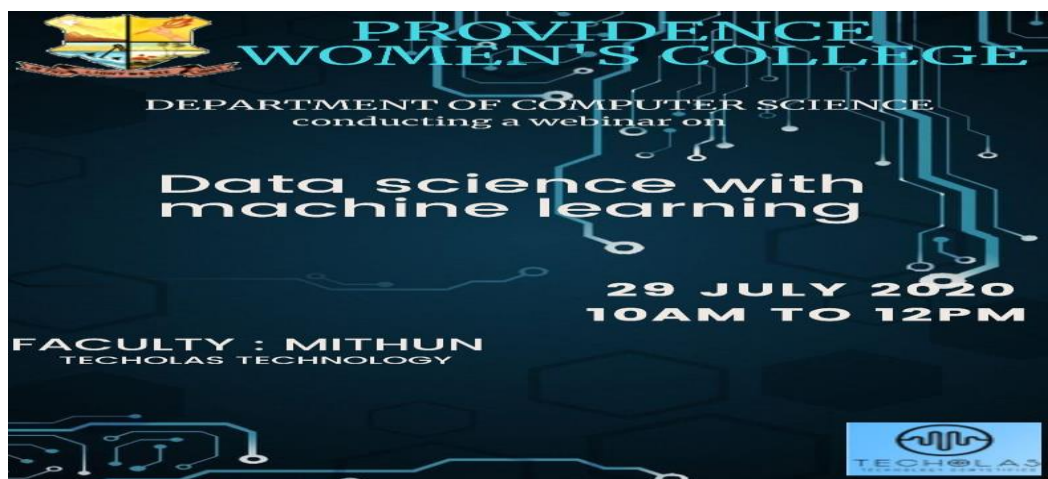
1. Department of Computer Science conducted a Webinar on the topic “Introduction to Bug Bounty” for the entire students of the Department. The webinar was conducted by Red Team Hacker Academy. The webinar was held on 29th May 2020 through Google Meet. Mr. Sumesh S, Senior Cyber Security Trainer at red Team Hacker Academy, was the Resource person. The webinar began at 3PM with the presence of all the faculties and students of the department



2. Department of Computer Science conducted a Webinar on the topic “Block Chain in association with futura labs technologies LLP” for the entire students of the Department. The webinar was held on 10th and 11th of July 2020 through Google Meet. Miss. Sruthi E Gireesh, Solution Architect, was the Resource person and the lead of the program.



3. Department of Computer Science conducted a Webinar on the topic “Data Science with Machine Learning, Deep learning, and Artificial Intelligence” for the entire students of the Department. The webinar was held on 29th July 2020 through Google Meet. Mr. Mithun, Techolas Technology was the Resource person. The webinar began at 10AM in the presence of all faculties of Computer Science Department



Projects

Projects undertaken by students in their final semester provides them a learning space where they themselves can develop a quality software solution by following the software principles and practices. During the development of the project the students involves in all the stages of software development life cycle. Through this the learners get a platform to demonstrate their practical and theoretical skills gained during their last semesters.

Paper Presentation

1. Heera K P, Arya P M and Joshna Joseph presented a paper “Data Encryption using Zero Knowledge Proof” in the Three Day Webinar on Cryptography and Network organised by the Department of Computer Science, Sreekrishnapuram V. T. Bhattathiripad College, Mannampatta, Palakkad in academic collaboration with Kerala State Higher Educaion Council from 1-3 December 2020.



2. PG Students present seminars on and around the recent research topics as part of the curriculum using ICT. This creates a learning space where students have considerable freedom about what they learn, how they learn and how they assess their own knowledge.

3. As part R&D Cell Unit, PG students have a paper presentation regarding to their final Project



Online Quiz Competition

One tool becoming more common, especially in online education, is quizzes. They help with concentration, identify gaps in knowledge, build confidence and help children retain information. An Online Quiz Competition was conducted on 18th Sep 2020 for our students.



DEPARTMENT OF ECONOMICS

2.3.1 Student centric methods used for enhancing learning experiences

Methods Adopted	Supporting documents uploaded
Computer assisted learning	Photograph
Case studies	Pdf of case studies
Creative Seminars on topics related to subject	https://drive.google.com/file/d/1qUvwG7mJSdAZyvgTW-JvmuRbdUZLm3wX/view
Hands on Workshop	https://www.youtube.com/watch?v=tHnBkDx8AOQ
Encourage and train students to present paper in webinars/seminars	Certificate of paper presentation by students
Powerpoint Presentations	Brochure

AIR POLLUTION IN KOZHIKODE

The World Health Organization defines air pollution as “the presence of materials in the air in such concentration which are harmful to man and his environment. In fact air pollution is the occurrence or addition of foreign particles, gases and other pollutants into the air which have an adverse effect on human beings, animals, vegetation, buildings, etc.

The air has reached a very high level of pollution. Effects can be immediately felt by individuals at risk. Everybody feels the effects of a prolonged exposure

CAUSES

Due to the running off large amounts of fossil fuels such as diesel or coal to provide energy, as well as creating secondary pollutants as a result of their industrial processes, with chemical plants, food processing and packaging factories as well other industrial item related production lines such as cement or metal factories being found in high numbers statewide, giving off large amounts of fumes related to whatever they may be producing.

Other sources of pollution include the aforementioned vehicle emissions, with large amounts of cars, lorries and motorbikes taking up space on the roads. With a heavy export-based industry, Kerala would see large amounts of trucks taking goods to other parts of the country, as well as many cargo ships doing the same for local or global export. Ships alone give off large amounts of pollution, usually of a more dangerous nature due to a difference in fuel regulation regarding what ships can use in their engines, often containing higher contents of sulfur which ends up making its way into the atmosphere after combustion.

Cars and trucks, particularly ones that run on diesel, would give off large amounts of chemical compounds as well as fine particulate matter, with a whole host of ill health effects on those exposed, as well as having knock on effects to the environment.

Other sources would include pollution from construction sites, with its constant road repairs and building work taking place, large amounts of dust from the rubble and dirt is released, in the form of PM2.5 and PM10. Open burn fires are present as well, being a persistent problem in many parts of India, with a variety of materials being burnt that should instead be disposed of in a much safer manner. As a result, plastic fumes as well as burnt organic waste smoke can end up in the atmosphere, tarnishing pollution readings and having prominent effects on people's health.

EFFECTS OF AIR POLLUTION

The effects of air pollution can be quite serious. They are commonly associated with universal issues such as global warming, as well as cancer and other health problems. In humans, pollution has been linked to:

- Lung disease
- Reduced life expectancy
- Asthma attacks and bronchitis

The World Health Organization estimates that 4.2 million deaths worldwide are caused by poor air quality – through stroke, heart disease, lung cancer and chronic respiratory diseases.

Effects of air pollution on human health

When you breathe in polluted air, tiny, invisible particles (pollutants) penetrate deep into your lungs, bloodstream and body. This can affect your body in a number of ways. In the short term, air pollution can:

- **Affect how well your lungs work**, making it more difficult to breathe.
- **Irritate your airways**, causing inflammation and giving you a sore, scratchy, throat and cough. You might also experience congestion from mucus building up.
- **Exacerbate respiratory health conditions**, such as asthma, as well as allergies

like hay fever, and make the symptoms of a cold worse.

- **Irritate your eyes** and make them sore.

In the longer term, over several years, air pollution can cause problems with:

- **Your heart and blood vessels**, leading to conditions like heart disease and stroke.

- **Your respiratory system**, leading to chronic obstructive pulmonary disease (COPD) or infections, such as pneumonia. Air pollution can even cause lung cancer.

STEPS TO IMPROVE AIR POLLUTION

Some initiatives that could be taken to see a marked improvement in pollution levels would be to find a way to reduce vehicle movement, as the state and many others throughout India saw marked improvements with the movement control orders that took place in 2020 due to the covid-19 pandemic.

Realistic ways of getting this done without causing problems would be the introduction of low emission zones, as well as incentives to get people to use their cars less, investment into public transport infrastructure as well as the issuing of fines and charges to vehicles that exceed unsafe pollution levels, with this initiative eventually being a step in the right direction to getting diesel-based engines as well as ancient or outdated vehicles off the road.

Others would be to impose similar sanctions and fines on factories that cause pollution in the surrounding air to exceed a certain level, which would lead to a better structure of industrial management by individual companies and business owners. These are all steps that Kerala could take if it wants to see sustainable and long-term reductions in its pollution levels.

Air Quality Index (AQI) Values

Palayam, Kozhikode AQI: Palayam, :



72

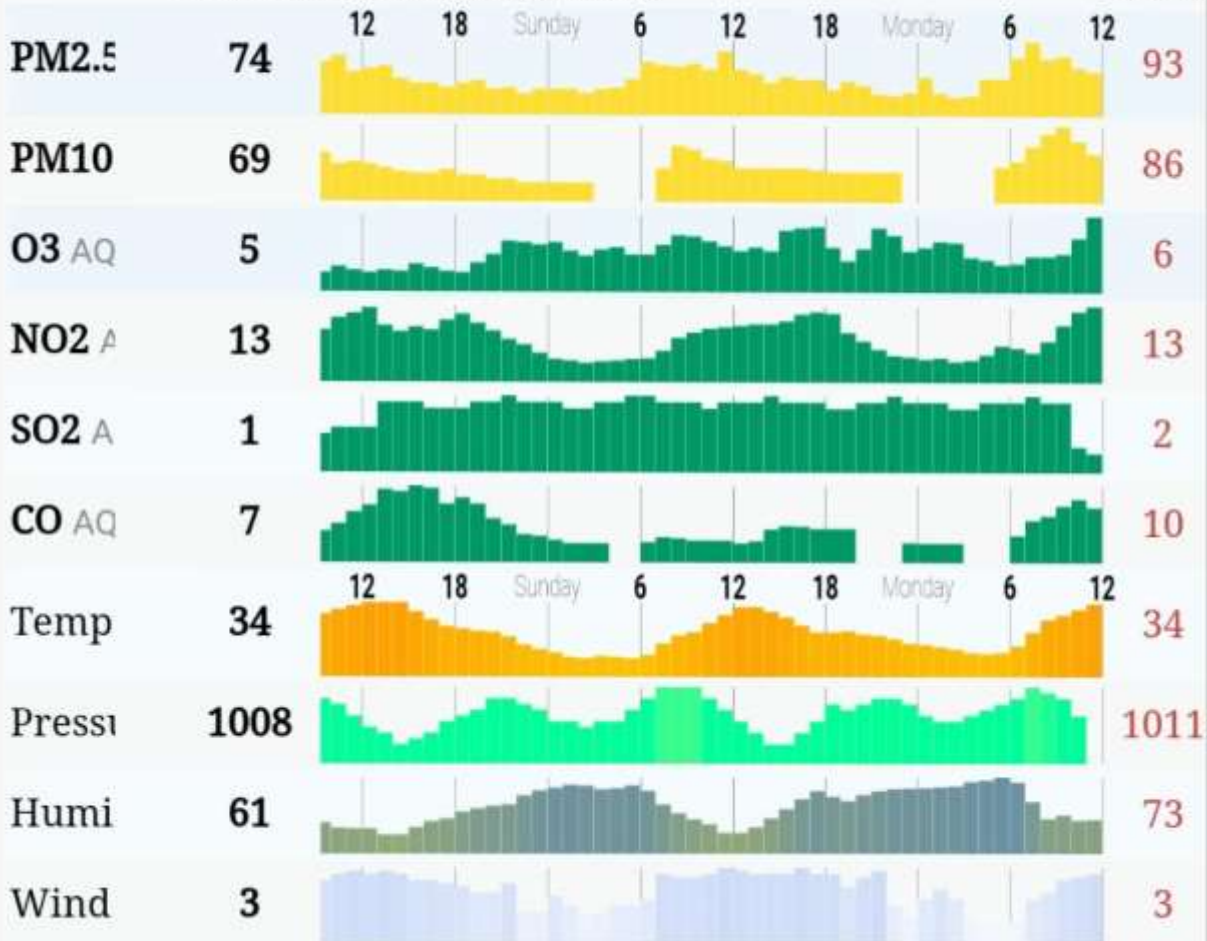
Moderate

Updated on Monday 12:00

Temp.: 34°C

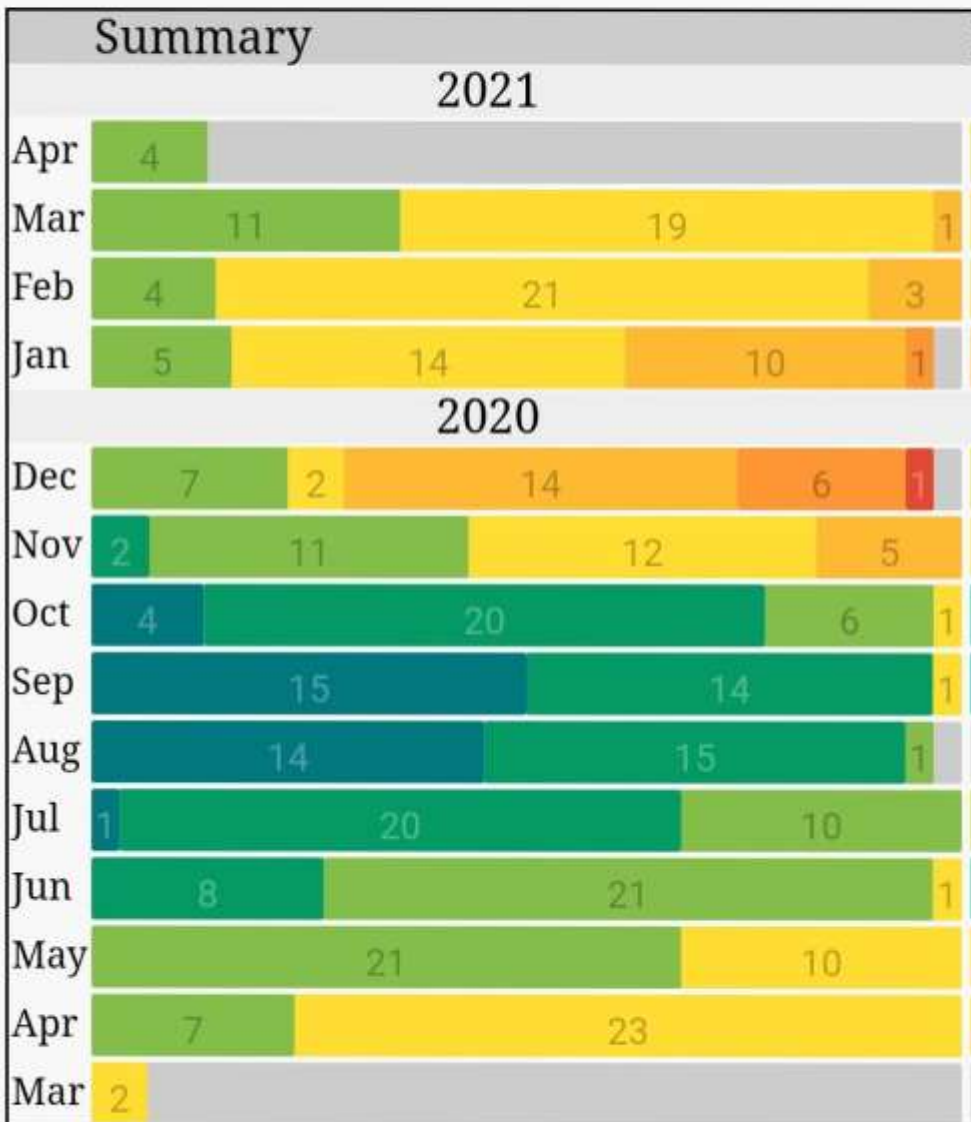
Current Past 48 hours data

Max



Daily Data

PM_{2.5}	PM ₁₀	O ₃	NO ₂	SO ₂
		CO		



Note: the daily AQI is based on the 24 hours average of hourly readings.

Live air quality report and air quality forecast in **Kozhikode**

29

PM2.5

23

PM10

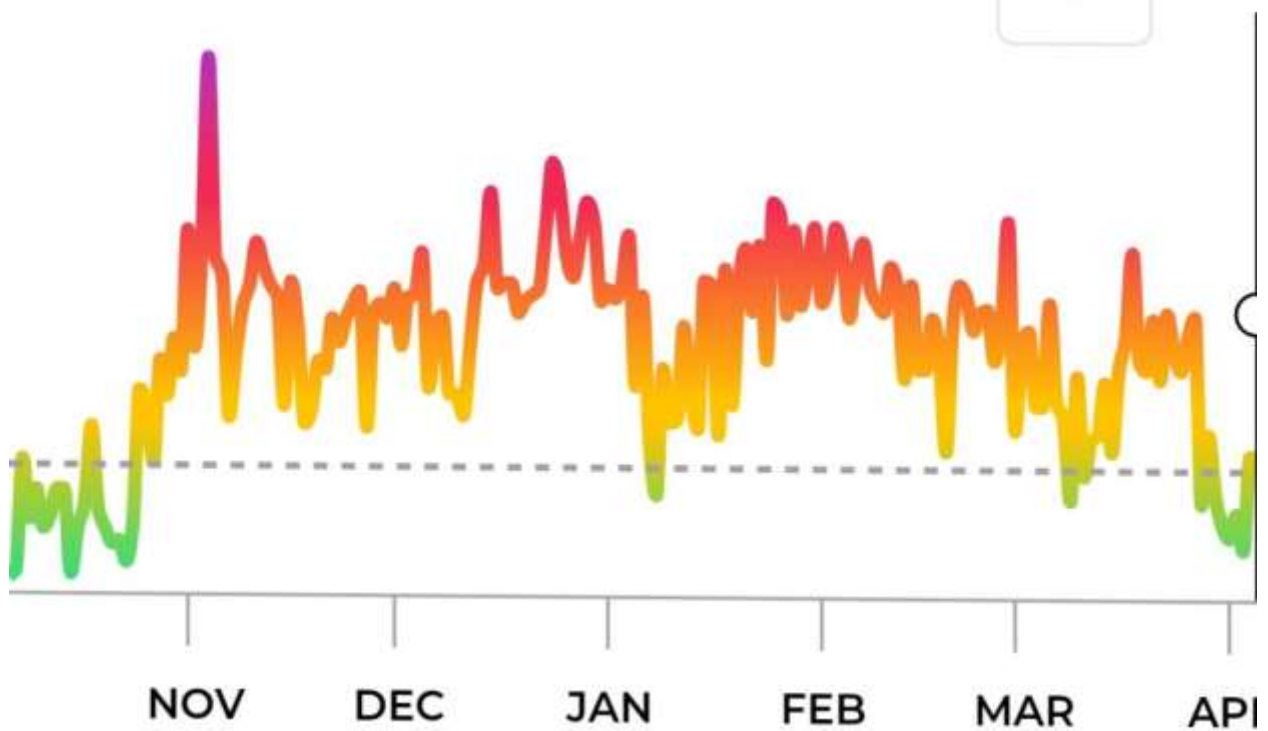
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WATER POLLUTION

SUBMITTED BY

MICHEAL SPEANCE GROUP

GROUP MEMBERS:

- 1) Subil Sunil (57)**
- 2) Subina. C (58)**
- 3) Mehana Basheer (43)**
- 4) Sneha. K (53)**
- 5) Nikhila. M. D (46)**
- 6) Shahana shirin (51)**

INTRODUCTION

Earth is referred to as the "water planet". It is unique among the planet of our solar system largely because of its abundant water- in oceans, in the atmosphere , in glacier and as fresh water on land. Without water life can not exist. Even though water is abundant, the amount of portable fresh water is low because of the activities of the human creature that causes pollution of every single water body on earth planet.

Pollution is the introduction of harmful material into environment. these harmful material are called as pollutants. Water pollution is a broad term that describes any kind of contamination of bodies of water such as river , lakes, or wet lands with substances that causes threat to human health or natural environment. Example of water pollution include : chemical or oil spills, industrial water , fertilizer and pesticides that run off agricultural land into river, sewages that enter the water bodies, heavy metal that leach out the ground or the plastic that degrade the water. Other forms of water pollution include the presents

of algae that causes harm by blocking light to enter into water bodies and lead to a serious damage to the aquatic life.

Water pollution can be defined as" any direct or indirect alterations of the physical, thermal, chemical, biological, radioactive properties of any part of water resources by discharge , emissions or deposit of waste into it, which is hazardous to public health, safety or welfare of animals, birds, wild life, acqatic life or to the planet of every description".

Water pollution is more likely in places , where environmental protection law are weakly enforced, where there is a little awareness of the danger of allowing harmful substances to enter water bodies .

Thus this work try to extend on the definition of water pollution, it's causes, it's effects in future, components that effect the ecological balance of water, type of water pollution in locality, solutions to put an end and a statistical overview of water pollution in our locality.

WATER POLLUTION

Water pollution is the contamination of water bodies (like oceans, seas, lakes, rivers, aquifers, and groundwater) usually caused due to human activities. This degrades the quality of water. It is the presence in groundwater of toxic chemicals and biological agents that exceed what is naturally found in the water and may pose a threat to human health and/or the environment. According to environment act of 1980 Water pollution is defined as ‘Any direct or indirect alteration of the physical, thermal, chemical, biological, radioactive properties of any part of the environment by, discharge, emission or deposit of wastes so as to affect any beneficial use adversely or to cause a condition, which is hazardous to public health,

safety or welfare of animals, birds, wildlife, aquatic life or



to plants of every description’.

The chemical and biological agents represent the main causes of water pollution and are generically referred to as water pollutants. Many of the chlorinated solvents commonly used in industry are the examples of such chemicals polluting our waters exclusively due to human activities. Any kind of water can become polluted, regardless of its size or location. The groundwater and surface water consist of swimming pools, ponds, lakes, creeks, rivers, seas, and oceans that may all become polluted. Any amount of those chemicals pollutes the water, regardless of the harm they may pose to human health and the environment. Water pollution can disrupt and negatively impact nature's water cycle and also harmful to the fish and animals that need the water to

survive. Water pollution can come from a number of different sources. If the pollution comes from a single source, such as an oil spill, it is called point-source



pollution. If the pollution comes from many sources, it is called nonpoint-source pollution.

CAUSES OF WATER POLLUTION

Water pollution is caused due to several reasons are the major causes of water pollution

1) INDUSTRIAL WASTE

industries produce a tremendous amount of waste, which contains toxic chemicals and pollutants, causing air pollution and damage to our environment and us. They contain harmful chemicals, including lead, mercury, sulphur, nitrates, asbestos, and many others. Many industries, not having a proper waste management system, drain the waste in the freshwater, which goes into canals,

rivers, and later into the sea. The toxic chemicals may change the colour or waste in the freshwater, which into the sea. The toxic chemicals may change the colour of water, increase the number of minerals, called eutrophication, change the temperature of the water, and



pose a severe hazard to water organisms.

2)SEWAGE AND WASTE WATER

sewage and wastewater that is produced in each household are treated chemically and released into the sea along with fresh water. The sewage water carries pathogens, other harmful bacterias, and chemicals that can cause serious health problems and there by diseases. Microorganisms in water are known to cause some of the very deadly diseases and become act as carriers. These carriers inflict these diseases onto an individual via

various forms of contact. A typical example would be malaria.

3) MINING ACTIVITIES

mining is the process of crushing the rock and extracting coal and other minerals from the underground. These elements, when extracted in the raw form, contain harmful chemicals and can increase the number of toxic elements when mixed up with water, which may result in health problems. Mining activities emit a large amount of metal waste and sulphides from the rock, which is



harmful to the water.

4) MARINE DUMPING

the garbage produced by households in the form of paper, plastic, food, aluminium, rubber, glass is collected and dumped into the sea in some countries. These items take 2 weeks to 200 years to decompose. When such

things enter the sea, they not only cause water pollution but also harm animals in the sea.

5) ACCIDENTAL OIL LEAKAGE

oil spill poses a huge threat to marine life when a large amount of oil spills into the sea and does not dissolve in water. It causes problems for local marine wildlife, including fish, birds, and sea otters. A ship carrying a large quantity of oil may spill oil if met with an accident. Such an oil spill can cause varying damage to species in the ocean, depending on the amount of oil spill, the toxicity of pollutants, and the size of the ocean.



6) THE BURNING OF FOSSIL FUELS

fossil fuels like coal and oil, when burnt, produce a substantial amount of ash in the atmosphere. The

particles which contain toxic chemicals when mixed with water vapour result in acid rain . also, carbon dioxide is released from the burning of fossil fuels, which results in global warming.

7) CHEMICAL FERTILIZERS AND PESTICIDES

chemicals fertilizers and pesticides are used by farmers to protect crops from insects and bacterias. They are useful for the plants growth.



8) LEAKAGE FROM SEWER LINES

a small leakage from the sewer lines can contaminate the underground water and make it unfit for the people to drink. Also , when not repaired on time , the leaking water can come on to the surface and become a breeding ground for insects and mosquitoes.

9) GLOBAL WARMING

An increase in the earth's temperature results in global warming due to the greenhouse effect. It increases the water temperature and results in the death of aquatic animals and marine species, which later results in water pollution.



10) RADIOACTIVE WASTE

Nuclear energy is produced using nuclear fission or fusion . The element that is used in production of nuclear energy is radioactive material needs to be disposal of prevent any nuclear accident. Nuclear waste can have serious environmental hazards if not disposed of property. Few major accidents have already taken place in Russia and Japan.

11) URBAN DEVELOPMENT

As the population has grown exponentially, so has the demand for housing, food , and cloth. As more cities and towns are developed , they have resulted in increasing use of fertilizers to produce more food , soil erosion due to deforestation, rise in construction activities, inadequate sewer collection and treatment, landfills as more garbage is produced, increase in chemicals from industries to more materials.



EFFECTS OF WATER POLLUTION

On human health

1.8 million deaths in 2015, according to a study published in The Lancet. Contaminated water can also make you ill. Every year unsafe water sickens about one billion people. And low income communities are disproportionately at risk because their homes are often closest to the most polluting industries. Waterborne pathogens, in the form of disease causing bacteria and viruses from human and animals ,waste are a major cause of illness from contaminated drinking water. Diseases spread by unsafe water include cholera, giardia and typhoid. The problem goes far beyond flint and involves much more than lead, as a wide range of chemical pollutants from heavy metals such as arsenic and mercury to pesticides and nitrate fertilizers are getting into our water supplies. It can cause a host health issues from cancer to hormone disruption to altered brain function.

On the environment

Healthy ecosystems really on a complex web of animals ,plants and bacteria all of which interact directly or indirectly. Water pollution causes an algal bloom in a lake or marine environment, the proliferation of newly introduced nutrient stimulates plant and algae growth, which in turn reduces oxygen levels in water. Chemicals and heavy metals from industrial and municipal waste water contaminate water ways as well. These



contaminants are toxic to aquatic life most often reducing an organisms life span and ability to reproduce and make their way up the food chain as predator eats prey.

TYPES OF WATER POLLUTION

Surface water pollution

Hazardous substances when coming into contact with different sources of water, leads to surface water pollution. The harmful contaminants from various sources mix or dissolve with lakes , lagoons , oceans and lead to surface water pollution.

Groundwater pollution

Pesticides and chemicals applied to crops and soil are washed deep into the ground during the rain. The pesticides mix with groundwater and lead to its pollution.

Suspended matter pollution

In this pollution, the pollutants enter into water and don't mix with the water molecules. Therefore, the suspended particles in water form silt on the waterbed. Due to this nutrient from water were removed and making it polluted.

Microbiological pollution

Microorganisms cause this type of water pollution. Although most of the microorganisms are harmless, some bacteria and viruses may cause serious health problems.

Chemical water pollution

Many industries and farmers use chemicals for their various purposes. It causes water pollution. Pollutants used to control weeds, insects and pests leech into the water and spreading the pollution. Also, metals and solvents from industries also lead to water pollution.

Point source pollution

When contamination originates from a single source , it's called point source pollution. Examples include waste water discharged legally or illegally by a manufacturer, oil refinery, or waste water treatment facility, as well as contamination from leaking septic systems, chemical and oil spills ,and illegal dumping.

Nonpoint source pollution

Nonpoint source pollution is contamination derived from diffuse sources. These may include agricultural or storm water runoff or debris blown into waterways from land.

Nutrient pollution

While they're vital for underwater Flora and fauna to flourish, an excess of nutrients can upset the delicate imbalance of water based ecosystems.

Trans boundary pollution

It goes without saying that water pollution can't be contained by a line on a map . Trans boundary pollution is the result of contaminated water from one country spilling into the waters of another . Contamination can result from a disaster – like an oil spill – or the slow downriver creep of industrial, agricultural, or municipal discharge.

Oxygen-depletion pollution

Another consequence of algal blooms is their consumption of oxygen supplies. This means that those species which depend upon oxygen to survive are killed off. While anaerobic ones thrive . Some anaerobic microorganisms are capable of producing ammonia, sulphides and other harmful toxins , which can make the water even more dangerous to animals and human too

Ocean water pollution(marine pollution)

Eighty percent of ocean pollution originates on land whether along the coast or far inland . Contaminants such as chemicals, nutrients, and heavy metals are carried from farms , factories, and cities by streams and rivers into our bays and estuaries; from there they travel out to sea .

Meanwhile, marine debris-particularly plastic is blown in by the wind or washed in via storm drains and sewers.



WATER POLLUTION STATISTICAL VIEWS **IN ERNAKULAM**

Eloor, a municipal island along the Periyar river in Ernakulam is home to several industries that pollute the river and adversely harm its ecosystem. The Periyar river in Kerala is one of the state's most important lifelines, necessary for the functioning of life throughout its long stretch. However, the river has been subject to rampant pollution for several decades, particularly near the Eloor industrial regions in Ernakulam district. Despite environmentalists' clamour through the years, little has been done to improve the condition of the river, thanks to the presence of several industrial units in the region. A webinar on 'The Toxic Pile of Eloor Edavar, Kerala's Industrial Capital- Whose responsibility?' was held on October 22 by a group of environmentalists.



The idea of the webinar was to discuss future interventions to address the impending issue of pollution and ecological destruction in the region. In the discussion, it was pointed out that the periodic discolouration of the river is a relic of environmental pollution in the Eloor-Edayar belt. The water takes on many colours as it flows here, as a result of the wide variety of chemical pollutants let out by the industries. Earlier this year, in April, the river turned black, which was a new phenomenon for the residents. According to its organisers, this webinar was held because the pollution “issue persists as one of Kerala’s oldest and unresolved environmental issues.” Purushan Eloor, an environmentalist who has been at the forefront of protests against the pollution of the river, emphasized in the webinar that, “Where pollution becomes the biggest threat to drinking water, we

should understand that there is no alternative to drinking water.” More than 21 lakh tonnes of hazardous and toxic waste is being stored in seven ponds located inside the company premises. The hazardous waste is laced with heavy metals (lead, cadmium, zinc, chromium, hexavalent chromium, cobalt and copper) and acids. Also, industries that were manufacturing now banned pesticides have left hazardous wastes in the region”, purushan said. However, one of important outcome of the litigation, he said, was the removal of around 6,153 metric tonnes of plastic waste stored on the banks of Periyar by the now-closed Sree Shakthi Paper Mill.



Jay Kumar suggested, the least the Kerala Disaster Management Authority can do is remove the hazardous and toxic waste from the river. The burden on the environment from the hazardous and toxic wastes in the Eloor-Edayar region is huge.

Environmentalist Sridhar Radhakrishna, who was moderating the webinar, pointed out that industrialisation witnessed a paradigm shift from the Nehruvian era, when it was “industrialise or perish”, to what we now experience as “industrialise and perish. This is not just because of pollution, but because the mounting toxic wastes in the region is so huge in amount that it will be hard for the industries to fix this without financial leakages. Sridhar explained that managing the 21 lakh tonnes of toxic and hazardous waste is difficult; and even if it is possible, transforming them into benign substances, as many industries claim they do, is a “herculean” task.

CONCLUSION

There is more than one billion people in the world who have no access to safe drinking water and more than two billion people worldwide who don't have proper sanitation systems. Water purification is one of the solutions for water pollution. Millions of people worldwide could be saved if people used

chlorination, filtration, and solar disinfection to treat water at their homes.

**“No Water. No life. No Blue.
No Green”**

A DROP A DAY
WASTES THE
WATER AWAY.

SAVE WATER SAVE LIFE



WE CAN'T DRINK
DUST, DIRT, OIL
OR RUST. BUT
WATER.
WELL, THAT'S A
MUST.

SAVE WATER SAVE LIFE

The Dharma Trails

SAVE WATER
TODAY OR
TOMORROW
YOU'LL PAY.


IT COSTS MONEY TO
WASTE WATER!

The Dharma Trails



WATER
is Life.
Don't
WASTE It.



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673009, India

Lat 11.296714°

Long 75.80481°

15/11/21 01:28 PM



Two Day National Webinar on Impact of COVID-19 on Indian Economy



organised by
Department of economics
Providence Women's College

in collaboration with

Department of economics
Mahatma Gandhi Government Arts College



Certificate of Appreciation

This is to certify that Ms.AKSHAYA S..... has presented a paper and awarded**first**..... position in the two day National Webinar on "**Impact of COVID-19: A Black Swan of Indian Economy**", organised by Department of Economics, Providence Women's College, Calicut in collaboration with Department of Economics, Mahatma Gandhi Government Arts College, Mahe on March 27th and 28th, 2021.

Gopika Unni K
Co-ordinator
Providence Women's College

Dr. Sr. Sheeba Andrews
Head of the Department
Providence Women's College

Dr. Sr. Ashmitha A.C
Principal
Providence Women's College

Dr. Manojit Bhattacharjee
Co-ordinator,
Mahatma Gandhi Government
Arts College



**PROVIDENCE
WOMEN'S COLLEGE**

Department of Economics

**conducts Sr.Edwina Memorial PPT
presentation competition**

**TOPIC: ROLE OF YOUTH
AMIDST PANDEMIC**

On 1 February 2021

14:15:00

KHOJ

**The International
Multidisciplinary Webinar Series
Research and Development Cell
2021-2022**

Providence Women's College
Department of Psychology
Webinar Report
24 July 2021



PROVIDENCE WOMEN'S COLLEGE
DEPARTMENT OF PSYCHOLOGY

CAREER PERSPECTIVES OF PSYCHOLOGY IN AUSTRALIA

In Association with R&D cell

Resource person : Ms. **SANGEETHA THOMAS**

PhD Scholar in Health Psychology with
Special Focus on Pediatric Chronic illness and
Play Therapy, Deakin University , Australia

Date: July 24 2021

Time: 10.00AM (IST)

Venue: Google Meet



All are welcome



The Research and Development Cell of Providence Women's college has initiated an international multidisciplinary webinar series, 'KHOJ' to offer the students of Providence College, the latest knowledge and understanding in various fields of education. The department of Psychology had the wonderful opportunity to host the first webinar of this mega event.

On 24/7/21, the Department of Psychology in association with R&D cell, conducted a webinar, on the topic "Career prospectives of Psychology in Australia " at 10 am, via google meet.

The webinar was organised and coordinated by 2nd Psychology students and faculty members of the Psychology Department.

Programme Schedule :

Host- Nouri

Prayer Song- Anjana (3rd Psychology)

Welcome speech- Shaha Harris

Resource person- Miss Sangeetha Thomas

Addressing the guest and session- Dr Rinju George (HOD Psychology)

Vote of thanks- Yasmin Muneer

The webinar aimed at providing insights into the career opportunities for psychology graduates in Australia. Resource person Miss Sangeetha Thomas.

Qualifications: She is currently pursuing her PhD in health psychology with a special focus on paediatric chronic illness and play therapy from the Department of Psychology, Deakin University, Australia. Her research interest is in the field of chronic illness conditions. She worked in the area of gestational diabetes in understanding the knowledge and awareness among antenatal women and also focused on breast cancer survivors in understanding their identity after mastectomy. She has completed her MPhil in Health Psychology from Christ University Bangalore and an integrated Masters in Health Psychology from the Central University of Hyderabad. She is currently practising as a tutor for undergraduate students at Deakin University Australia

and also as a research assistant of Robert Cummings at Australia centre for quality of life. The resource person vividly explained all aspects of higher education and career's in psychology available in Australia.

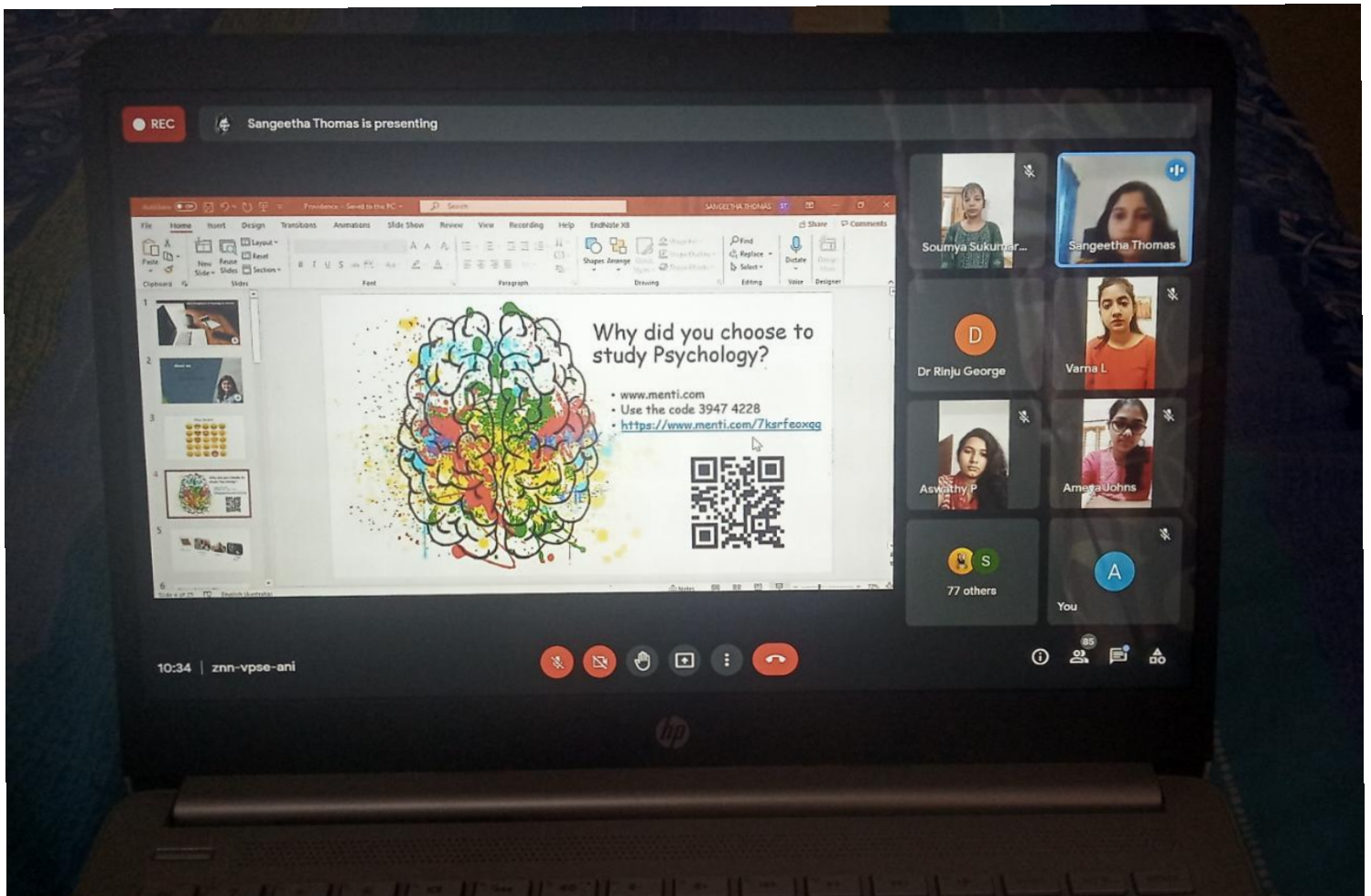
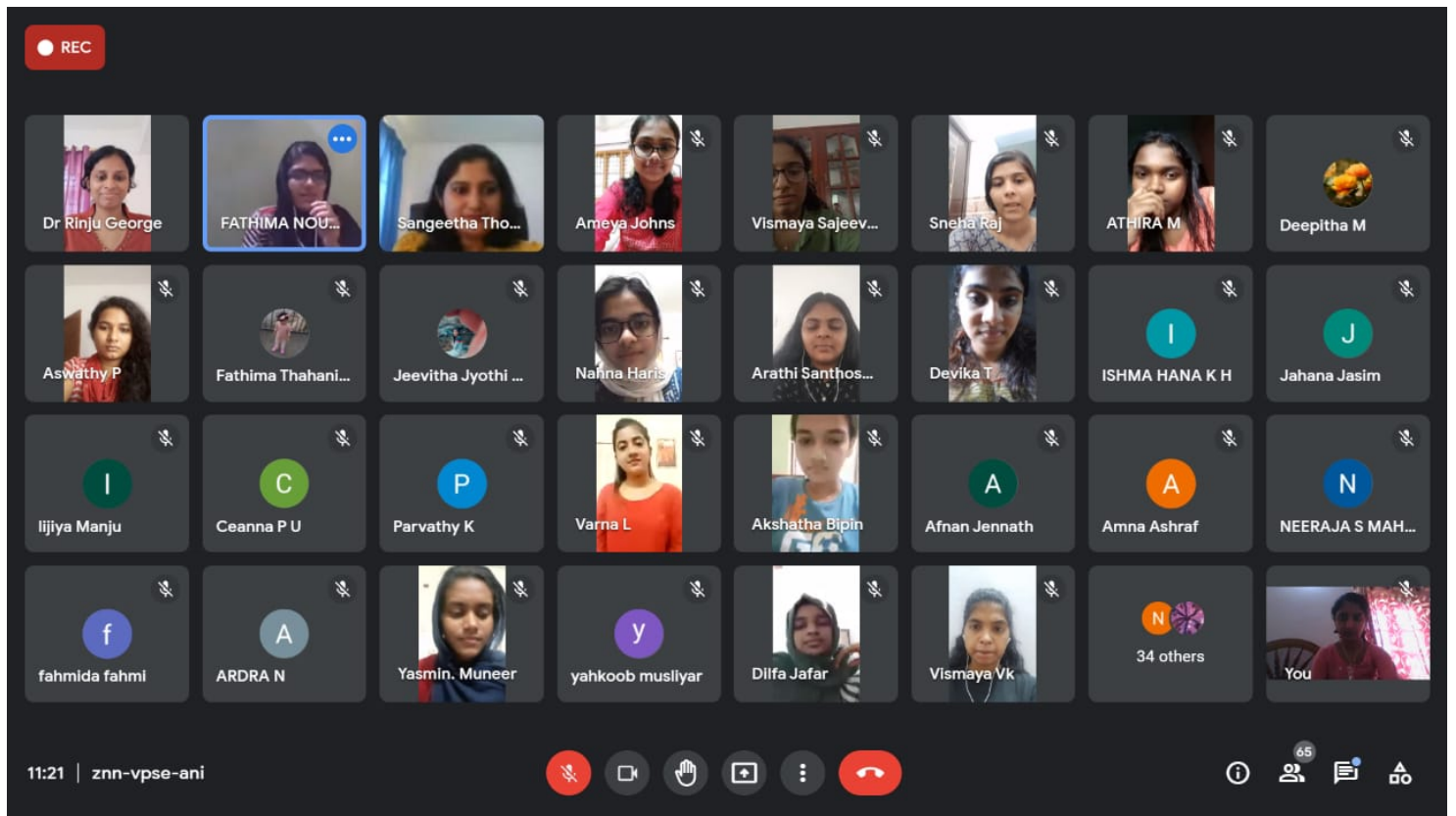
The presentation started with small activities to engage students. Further proceeded to cover the following topics:

- Diploma honours degree program in psychology.
- Professional registration for practice- general/provisional.
- Pathway for acquiring a general and provisional license.
- Areas of work provisional psychologist: community services, business, education, health, counselling, forensic and other protective services, academia and research.
 - Counselling: child and family, personal, grief/loss, trauma, genetics, careers.
 - Business: marketing and market research, public relations, human resource management, industrial relations.
 - Education: diagnose disabilities, assessing behaviour, design program, counselling, consultation, evaluating problems/interventions.
 - Health: promote positive behaviour, reduce risk of CHD, design public health program, Sun Smart, Life .Be in it., Redkite, cancer council, Kolakids, diabetes Australia.
 - Forensic and other protective services: courts, mental health, correction facilities, child protection, family services, police, private practice.
 - Psychologists with general registration: clinical neuropsychological, clinical psychologists, community psychologists, counselling psychologists, sports and exercise psychologists, educational and developmental psychologists, forensic psychologists, health psychologists, organisational psychologists.
 - Recommended pathway for registration in Australia for overseas qualified students. (guidelines by AHPRA)

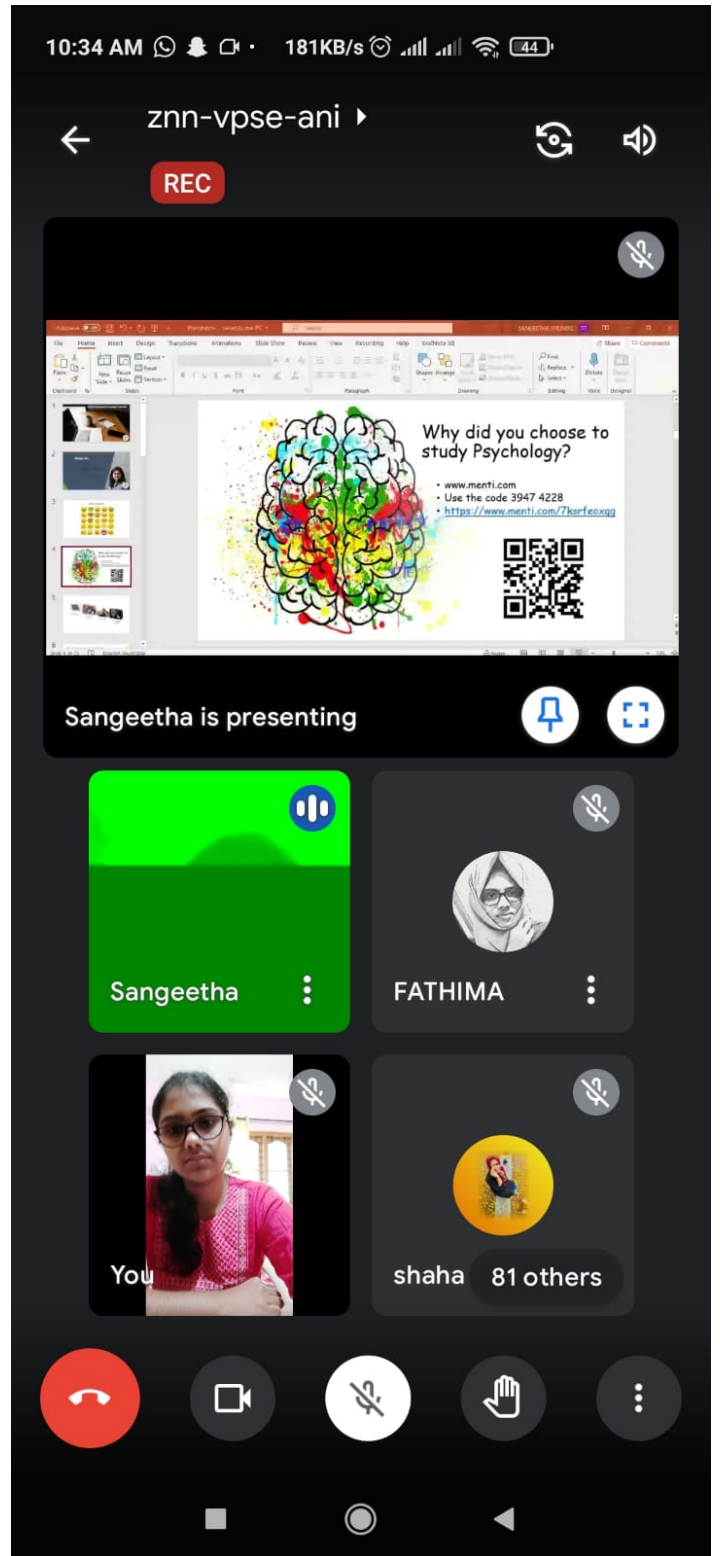
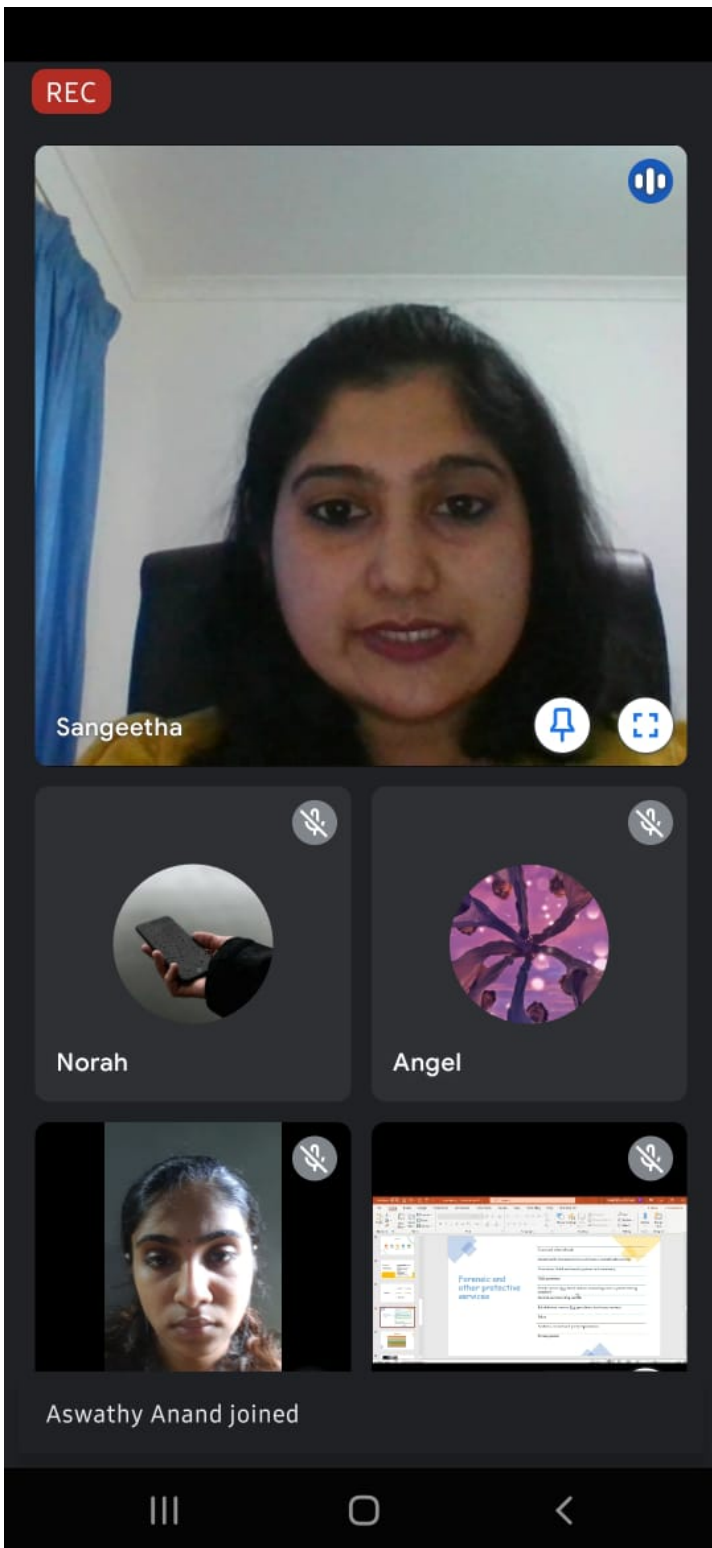
- Scholarships: Australian development scholarship (ADS), International postgraduate research scholarship (IPRS), Masters fellowship: Full bright Nehru doctoral research fellowship, Australian University scholarship

Throughout the webinar above 60 participants were present, second and third-year psychology students along with faculty members.

The session was an engaging and enriching experience for students. Speaker cleared all doubts of students with clarity. Overall the students and staff are immensely happy and satisfied for offering such an informative session. The session ended at 11:20 am.



Event Gallery.



S.No.	Title of the Article	Author (s)	Year of Publishing	Research Aim/Rsearch Question/ Research Objectives
1	life satisfaction among working and non working women	Muhammed Arshad,Sidra Gull,Dr.Khalid Mahmud	2015	Measure life satisfaction among working and non working women
2	life satisfaction and stress level among working and non working women	Dr.Sasikala Singh	2014	examine the life satisfaction and stress among working and non-working women
3	life satisfaction of career women and house wives	Adam Okulicz-Kozaryn and Rubia da Rocha Valente	2017	examining the change of trend in women from housewives to career women
4				
5				
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11				

12
13
14
15

**Nature of the study
(Review
paper/quantitative/qualitative)**

Hypothesis

Variables

quantitative study

**1. There would be significant difference on score of life satisfaction scale among working and non-working women of Faisalabad.
2. There would be significant difference on score of life satisfaction scale among working and non-working women of Islamabad.**

Life satisfaction

quantitative study

1. Working and non- working women will differ significantly with regard to their life satisfaction. 2. Working and non- working women will differ significantly with regard to their stress level. 3. Life satisfaction and stress were interred related.

**life satisfaction
and stress**

qualitative study

**paradox of Declining Female
Happiness Amidst Increasing
Female Labor Force
Participation**

**main
independent
variable is
labour force
status and life
satisfaction
based
happiness**

Sample	Statistical tools used (SPSS, NVIVO, Excel, Eviews, R, Dedoose)	Statistics Used (t-test, correlation, content analysis, meta analysis)	Research Findings
<p>100 women. 25 working women and 25 non working women from Islamabad and 25 working women and 25 non working women from Faisalabad</p>	<p>cvenience sampling and The Satisfaction with Life Scale (SWLS)</p>	<p>t-test</p>	<p>Results indicates that life satisfaction in working women of Faisalabad is high than that of non-working women of Faisalabad and life satisfaction in working women is low than that of non-working women of Islamabad.</p>
<p>The sample was drawn from working and non-working women of Ranchi. 100 working (teacher in the Govt. schools) and 100 non-working women (housewives). Age range of women was 26- 40 years.</p>	<p>random sampling, life satisfaction scale and stress scale.</p>	<p>t test and r test.</p>	<p>Working woman have higher level of life satisfaction than the non-working woman. Non- working women were facing more stress than working women. Working and non- working women will differ significantly with regard to their stress level.</p> <p>There was a negative correlation between stress and life satisfaction.</p>
<p>according to the data of US General Social Survey GSS 1972-2014</p>	<p>survey</p>	<p>questionnaire</p>	<p>women were happier to be housewives or to work part-time than fulltime, especially, women who are older, married, with children, in middle or upper class, and living in suburbs or smaller places.</p>

CERTIFICATE OF INTERNSHIP



This is to certify that
Dilsha P P
has attended Online Internship Training at
Trust Center for Mindful Living
from 01/11/2020 to 15/11/2020.
The total days of training were 15 days.

Dr. Prajeesh Palanthara
Director & Psychologist
TRUST Center for Mindful Living

Mr. Jeril Joseph
Director & Psychologist
TRUST Center for Mindful Living



**Department of Mental Health and Behavioural Sciences,
Fortis Healthcare Limited**

this is to certify that

Khansa

participated in a workshop Introduction to Sport Psychology, held on 30th July, 2020. The workshop was facilitated by **Divya Jain**, Sport Psychologist

Dr. Samir Parikh
Director
Fortis National Mental Health Program
Fortis Healthcare



**Department of Mental Health and Behavioural Sciences,
Fortis Healthcare Limited**

this is to certify that

Khansa

participated in a workshop Introduction to Music and Movement in Therapy, held on 1st August, 2020. The workshop was facilitated by **Tanushree Sangma**, Expressive Arts Therapist

Dr. Samir Parikh
Director
Fortis National Mental Health Program
Fortis Healthcare



**Department of Mental Health and Behavioural Sciences,
Fortis Healthcare Limited**

this is to certify that

Khansa

participated in a workshop Introduction to Positive Psychology, held on 2nd August, 2020.
The workshop was facilitated by **Mimansa Singh Tanwar**, Clinical Psychologist

Dr. Samir Parikh
Director
Fortis National Mental Health Program
Fortis Healthcare



**Department of Mental Health and Behavioural Sciences,
Fortis Healthcare Limited**

this is to certify that

Khansa

participated in a workshop Introduction to Sport Psychology, held on 30th July, 2020. The workshop was facilitated by **Divya Jain**, Sport Psychologist

Dr. Samir Parikh
Director
Fortis National Mental Health Program
Fortis Healthcare



FAROOK COLLEGE (AUTONOMOUS)

PO Farook College, Kozhikode, Kerala 673632

CERTIFICATE

This is to certify that

NAKSHATRA SUBHASH

Participated in the National Webinar on **Virtualized Sexuality: Addressing the Youth** Conducted by the Department of Psychology, Farook College (Autonomous) on 21 September 2020

Dr K.M Naseer
Principal
Farook College (Autonomous)

Dr. Nisha K
Head of the Department
Farook College (Autonomous)



JOHNS HOPKINS
UNIVERSITY

07/30/2020

Jameela Khathoon M K

has successfully completed

Psychological First Aid

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Associate Professor
Department of International Health
Bloomberg School of Public Health
Johns Hopkins University

COURSE
CERTIFICATE



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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

08/30/2020

Jameela Khathoon M K

has successfully completed

Positive Psychology

an online non-credit course authorized by The University of North Carolina at Chapel Hill and offered through Coursera

Barbara L. Fredrickson, Ph.D.
Department of Psychology
University of North Carolina at Chapel Hill

COURSE
CERTIFICATE



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COURSE
CERTIFICATE

07/13/2020

KHANSA

has successfully completed

Psychological First Aid

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera



Associate Professor
Department of International Health
Bloomberg School of Public Health
Johns Hopkins University

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Yale

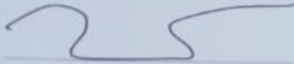
09/25/2020

LAKSHMI K

has successfully completed

The Science of Well-Being

an online non-credit course authorized by Yale University and offered through
Coursera



Laurie Santos
Professor
Psychology

COURSE
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Yale

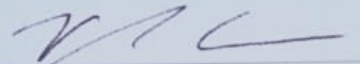
Oct 14, 2020

LAKSHMI K

has successfully completed

Introduction to Psychology

an online non-credit course authorized by Yale University and offered through Coursera



Paul Bloom
Brooks and Suzanne Ragen Professor of Psychology
Yale University

COURSE
CERTIFICATE



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Coursera has confirmed the identity of this individual and their participation in the course.

Yale

May 8, 2022

Munawara K V

has successfully completed

Introduction to Psychology

an online non-credit course authorized by Yale University and offered through Coursera



Paul Slone
Dean and Professor Emeritus of Psychology
Yale University

**COURSE
CERTIFICATE**



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Roll No: NPTEL21HS88S33310229

To
VISMAYA SAJEEVAN E
EDAMANAHOUSE, KANNUR, KERALA, PIN-670601
KERALA - 670601
PH. NO :6235127795



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

VISMAYA SAJEEVAN E

for successfully completing the course

Psychology of Everyday

with a consolidated score of **81** %



Online Assignments	25/25	Proctored Exam	55.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **806**

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Sep 2021
(4 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21HS29S13321538

To
VISMAYA SAJEEVAN E
EDAMANAHOUSE, KANNUR, KERALA, PIN-670601
KERALA - 670601
PH. NO :6235127795



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
VISMAYA SAJEEVAN E
for successfully completing the course



Psychology of Stress, Health and Well-being

with a consolidated score of **100** %

Online Assignments	25/25	Proctored Exam	75/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: **984**

Jan-Apr 2021
(12 week course)

Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL21HS29S13321538

To validate and check scores: <https://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21HS22S13321540

To
RENITA ROHIT
NO-5/1115/A, BETHEL, PONNADI PARAMBATH
MOKAVOOR, ERANCHIKKAL (P.O)
KOZHIKODE
KERALA - 673303
PH. NO :9895256274



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RENITA ROHIT

for successfully completing the course

Introduction to Cognitive Psychology

with a consolidated score of **45** %

Online Assignments	10.63/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **515**

Jan-Apr 2021
(12 week course)

Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL21HS22S13321540

To validate and check scores: <https://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20HS43S71301025

To
LAKSHMI K
SREELAKSHMI ALAKKAT
IRUVALLUR POST
CHELANNUR
KERALA - 673616
PH. NO :9744632715



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

LAKSHMI K

for successfully completing the course



Developing Soft Skills and Personality

with a consolidated score of **90** %

Online Assignments	23.92/25	Proctored Exam	65.82/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **8393**

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL20HS43S71301025

To validate and check scores: <https://nptel.ac.in/noc>

PROVIDENCE WOMEN'S COLLEGE CALICUT
DEPARTMENT OF PSYCHOLOGY
Presents

Talk on Plagiarism

- Similarity index
- Types of plagiarism
- Steps to avoid plagiarism
- Plagiarism checkers
- Comparison of free and paid Plagiarism checkers



RESOURCE PERSON



Dr. Shashikumar N.D.

Assistant Professor in Chemistry,
CHRIST ACADEMY Institute for Advanced
Studies, Bangalore.

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For More Enquiries

Contact : 7907959758

Providence women's college, calicut , 763009, Kerala




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Dr. Shashikumar N D is presenting

$\{SI = 15\%$

Plagiarism checking tools or software

Paid	Free
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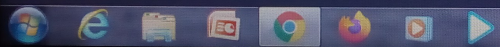
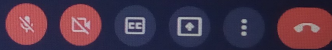
Dr. Shashikumar N D

46 others

You

- #### People
- R RIZA
 - S shabeeba nasrin
 - S SOORYA PRAKASH K
 - S SOUMYA P
 - Sreya Sajeev
 - Sruthi D
 - Vismaya Sajeevan
 - Y Yasmin, Muneer

11:59 AM | sso-cqgd-pmz




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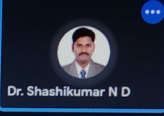
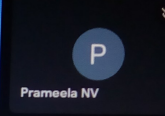
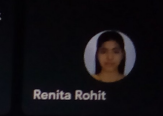
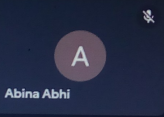
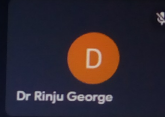
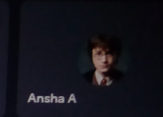
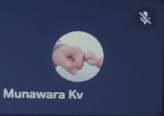
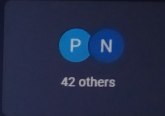
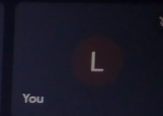
Dr. Shashikumar N D is presenting

Definition of Plagiarism

Plagiarism is the representation of another author's language, thoughts, ideas, or expressions as one's own original work



Sruthi D has left the meeting

 Dr. Shashikumar N D	 Prameela NV	 Renita Rohit
 Abina Abhi	 Dr Rinju George	 Ansha A
 Munawara Kv	 42 others	 You

11:17 AM | sso-cqgd-pmz

Turn on microphone (ctrl + d)

DEPARTMENT MAGAZINE RELEASE-NOVA



SKILL BASED LEARNING

SKILL TRAINING PROGRAMMES

- As a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with PROVIDENCE WOMEN'S COLLEGE short course on "Learn to Design your own Solar Home System" on 21/08/2020 for students as well as for faculties