

MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR



STUDENT CENTRIC PRACTICES



PROBLEM SOLVING

2017-2022

STUDENT CENTRIC PRACTICES

Samanvaya

CLASSROOM EXTENDED LEARNING

Prayan

PARTICIPATORY LEARNING

Prayukti

EXPERIENTIAL & EXPLORATORY LEARNING

Nisarg

NATURE-BASED LEARNING

Sva

CREATIVIE LEARNING & INNOVATION

Nirvana

PROBLEM SOLVING, EMPOWERING

Sakhi

INDIVIDUAL CENTRIC

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QUIZ

Quiz programmes cater to the inquisitive minds of the students. Online Quiz platforms like Quizziz and Kahoot are extensively used. It engages students in a unique and fun way and connect them to the learning material and promote in-depth learning, thereby bridging the gap between academia and industry.



MAR THOMA COLLEGE FOR WOMEN,
PERUMBAVOOR

ENTREPRENEURSHIP DEVELOPMENT
CLUB

Department of Commerce Finance and Taxation
Presents

BUSINESS QUIZ

On :- 10th September 2021
Time:- 3:00 p.m.
platform:- Google Meet



MAR THOMA COLLEGE FOR WOMEN
PERUMBAVOOR

NSS UNIT NO. 57



QUIZ COMPETITION

JULY 11
WORLD POPULATION
DAY

- Competition is conducted through Google form.
- Those who are interested may please join the WhatsApp group through the link provided.

Date: 12/07/2021

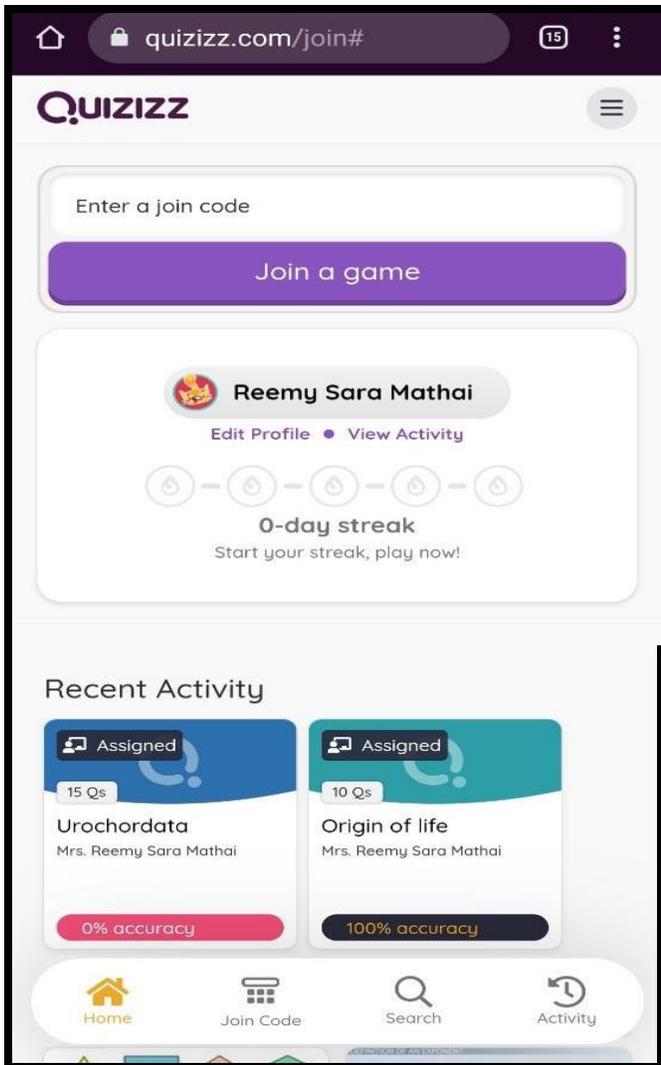
Time : 6:00 - 6:45 PM

For more information
contact

Gopika G.
(NSS Volunteer)
6238145880

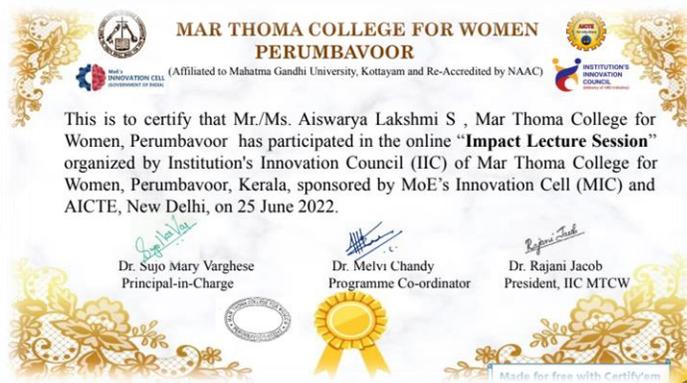
Esther P
(NSS Volunteer)
8301813875

PROBLEM SOLVING

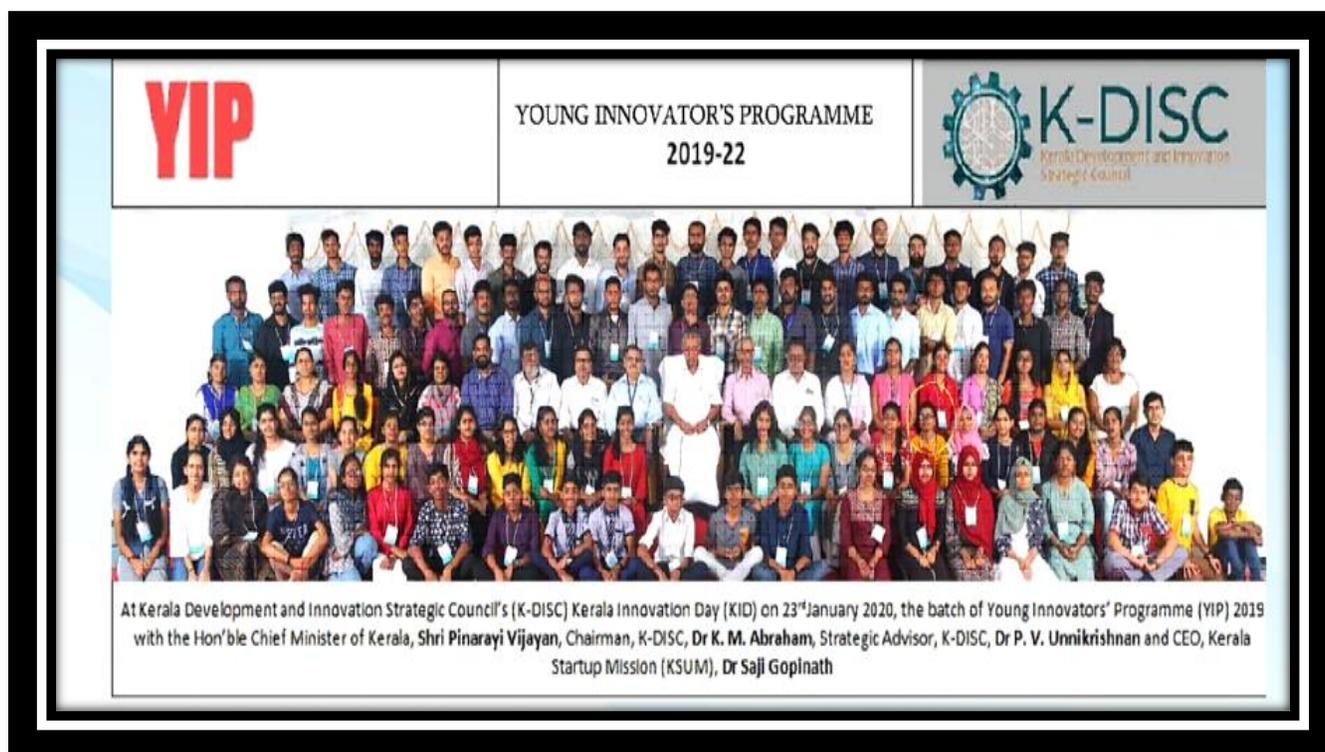


INSTITUTION INNOVATION COUNCIL

The activities of Institution's Innovation Council and the Young Innovators Program aim at developing an innovative culture among the students focusing on ideation, design thinking, intellectual property rights, hackathons etc. It encourages, inspires and nurture young students by supporting them to work with new ideas.

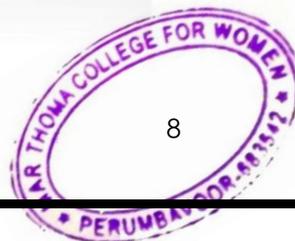
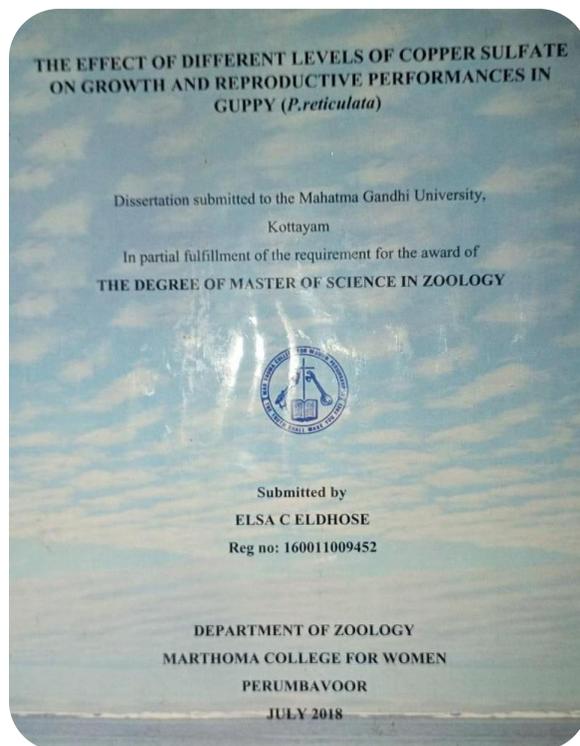
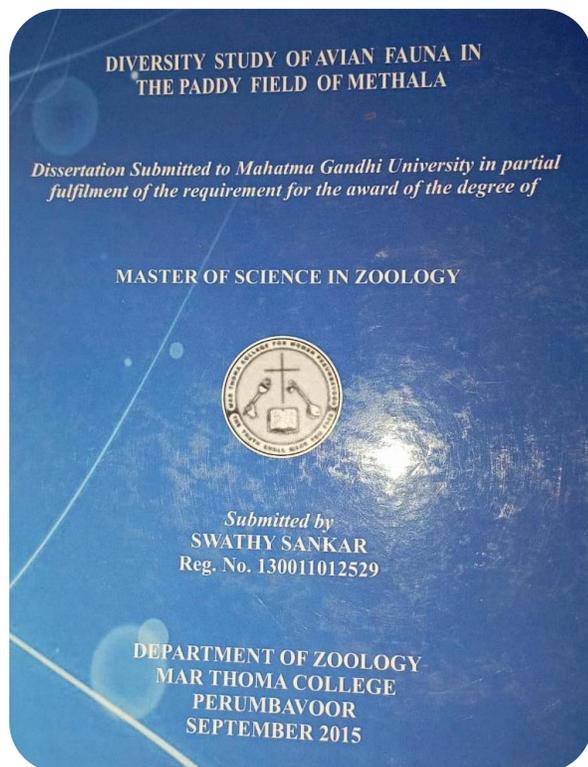


An Innovation Ecosystem is functioning in the College since 2019. Students of our college has been participating in zonal, district and State final levels of Innovation Challenges. The team led by Jinu John has won the final state level competition for their innovative idea” AI based signal interpreter”



STUDENT PROJECTS

The projects provide opportunities for the students to explore new arenas of knowledge. It enables students to develop independent critical thinking skills along with oral and written communication skills. The research process impacts valuable learning objectives that have lasting influence as undergraduates prepare for professional service.



COMPARATIVE STUDY OF FISH DIVERSITY OF
LOWER REACHES OF PERIYAR

*Dissertation Submitted to Mahatma Gandhi University in partial
fulfilment of the requirement for the award of the degree of*

MASTER OF SCIENCE IN ZOOLOGY



Submitted by
ATHIRA P R
Reg. No. 140011011592

DEPARTMENT OF ZOOLOGY
MAR THOMA COLLEGE
PERUMBAVOOR
AUGUST 2016

STUDY OF DRAGONFLY DIVERSITY IN SALIM ALI BIRD
SANCTUARY, THATTEKADU

*Dissertation Submitted to Mahatma Gandhi University in partial
fulfilment of the requirement for the award of*

THE DEGREE OF MASTER OF SCIENCE IN ZOOLOGY



Submitted by
SEMINI P.P.
Reg. No. 331529

DEPARTMENT OF ZOOLOGY
MAR THOMA COLLEGE
PERUMBAVOOR
MAY 2013

PROBLEM SOLVING

Name of the student	Project title
Amritha Singh K	Study on molluscan diversity of Cherai beach
Aswathy Vijayan	Study on bird diversity in the Kalady range of Malayattor forest division
Deepika Y	Diversity and endemism of Butterflies of Mannavan shola of Anamudi shola National park in Western Ghats
Devika Shybu	An investigative study on Spider diversity at Iringolkavu
Divya K S	Conservation of butterfly through butterfly garden
Farsana M J	Biodiversity of butterflies and host plant interaction in Iringolkavu
Jaseera Fairoosa	Study of diversity of some common edible fishes in Ponnani fishing harbour
Jitto Joy	A comparative study on ant diversity of Thommankuth forest area, pineapple plantation and rubber plantation
Karthika Ravi	A study on the Ant diversity of ward 12 of Vengola Panchayath, Ernakulam
Pooja Krishnan K	A comparative study of the Odonate diversity of wetlands in Puzhakattiri panchayat , Malappuram
Reshma R Kurup	A study on the avian diversity of Randampuncha wetland near Manthuka, Pathanamthitta district
Revathy P G	A study of the avian diversity of the paddy field in Mararikulam panchayath, Alappuzha
Shalu Reju	A Comparative study on the litter fauna diversity in multicrop agro ecosystem in Mazhuvanoor Panchayath, Ernakulam
Sreelakshmi S	A comparative study on the effect of Copper sulphate and Ammonium sulphate on the growth, survival and reproduction of Guppy (Poecilia reticulata)
Swathy Sajikumar	A comparative study on the seasonal diversity of Coleoptera in Iringole Kavu evergreen forest, Ernakulam
Swathy Sasi	A study on diversity of dragonflies in varappetty panchayath
Thasni P M	A comparative study on the butterfly diversity of Pallarimangalam panchayath and Varappetty panchayath of Ernakulam district Kerala
Treesa Mary Bose	Study on diversity of fishes in Thanernmukumbund.
Varsha V	A comparative study on the moth (Lepidoptera:Heterocera) diversity in selected areas of Malappuram and Ernakulam districts

Aleesha Raihan M A	Mystery of Knots
Anaswara Ashok P	Application of Mathematics in various fields
Angel Elizabeth	Ulam Spiral
Anjana P J	Topology
Anuchandra Santhosh	Finite Automata and Languages
Farseena N M	Application of Matrices
Fathims Aliya Salim	Matchings and Factors
Neha Joy	Lattices and Boolean Algebras
Punya Lalu	Mystery of Knots
Raseena Kareem	Lattices and Boolean Algebras
Saieetha T J	Matchings and Factors
Saramol Sajjan	Lattices and Boolean Algebras
Stella Mariya Roy	Finite Automata and Languages
Akhila Ann Zachariah	Ulam Spiral
Anitta Shoji	Application of Matrices
Aswathi Rani	Application of Mathematics in various fields
Badra Sasidaran	Matchings and Factors
Dhanya	Mystery of Knots
Fathima Abdul Azeez	Topology
Fathima Muhammed	Topology
Hannath E K	Application of Mathematics in various fields
Najuma Yousaf	Ulam Spiral
Shifna Shaji	Finite Automata and Languages

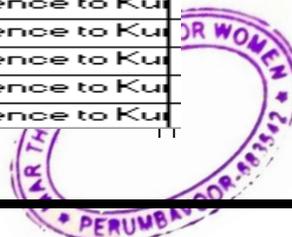
NAME	PROJECT TITLE
Anjana Raveendran	Lie Algebras
Anjana Viswambaran	A Study on Semigraph
Asha Shaji	Mathematical Modelling
Asna K A	CPM AND PERT Project Management Techniques
Jebna K Jaleel	A study of Tri Topological Spaces
Nasreen K B	Decision Theory
Nayana Asokan	Spectral Graph Theory
Praveena P S	Hypergraph
Ramseena P A	Graceful Graphs
Shilpa Shaji	Covering Spaces
Soya Joy	Tribonacci Convolution Triangle
Sreelakshmi T R	Centrality Measure
Susan Varghese	Mystery of Fractals

PROBLEM SOLVING

NAME	PROJECT TITLE
Faseela K.A	Historical significance of Cochin port.
Krishnapriya K.S	Historical significations of cochin port
Saliha K.S	Historical background paliam palace and paliam Nalukettu
Saranya A.S	The History Neryamangalam bridge
Sneha Jose	Nilambur forest and the British techno ecological imperialism in Kerala
Aiswarya Mohanan	Sustainable development Kerala model in feminist view
Anagha Biju	The History Neryamangalam bridge
Anaswara B.S	Thirteen Arch Bridge in Aryankavu
Aneetta M. Kurian	Intellectual history of Pulluvazhi
Arya R	Slavery in India with special reference to Kerala
Aryanandha Supran	The History Neryamangalam bridge
Aswathy Raju	The History Neryamangalam bridge
Athira Sanal	Slavery in India with special reference to Kerala
Bhagya Agnes Jame	Intellectual History of Pulluvazhi
Diya Kalesh	Intellectual History of Pulluvazhi
Eleena Mathew	Intellectual History of Pulluvazhi
Fasla T.A	Historical background Paliam palace and Paliam Nalukettu
Fathima Salim	Historical background Paliam palace and Paliam Nalukettu
Jasmin C.M	Historical background Paliam Palace and Paliam Nalukettu
Jiya Joy	Slavery in India with special reference to Kerala
Kalavathy .S	Intellectual History of Pulluvazhi
Mini George	Historical significance of Cochin port
Panchami Krishna .A	Social History of Areekode
Sarika Sasi	The History of Neryamangalam bridge
Sethulakshmi C	Archaeology of the Kaduthuruthy Church and the Knanaya tradition
Sharfiya C.A	Historical significance of cochin port
Sreekutty M.S.	Representation of Dalits in Higher Education ,A Case Study of Ernakulam District
Thasni P.S	Historical background Paliam palace and Paliam Nalukettu.
Vrinda Jayakumar	Intellectual history of pulluvazhy

Akhila K S	Desert Tourism with Special Reference to Thar De
Aksa E J	Thenmala Ecotourism and Community Empowerm
Alphiya Abdulkhadr	Thenmala Ecotourism and Community Empowerm
Anju Martin	Hill Tourism Special Reference to Munnar
Anna Byju	Village Tourism with Special Reference to Kumba
Arshya Simon	Village Tourism with Special Reference to Kumba
Aswathy Ashokan	Village Tourism with Special Reference to Kumba
Athira P R	Village Tourism with Special Reference to Kumba
Fathima Anjala	Desert Tourism with Special Reference to Thar De
Fathima Suhara K T	Desert Tourism with Special Reference to Thar De
Fithamol R N	Thenmala Ecotourism and Community Empowerm
Gayathri K Rajesh	Desert Tourism with Special Reference to Thar De
Gisni George	Thenmala Ecotourism and Community Empowerm
Gopika C A	Hill Tourism Special Reference to Munnar
Krishnapriya E S	Hill Tourism Special Reference to Munnar
Maria Haneetta K	Hill Tourism Special Reference to Munnar
Merin Stephan	Pilgrim Tourism with Special Reference to Malaya
Nayana K S	Pilgrim Tourism with Special Reference to Malaya
Nesrin Naseer	Pilgrim Tourism with Special Reference to Malaya
Noubeena P H	Pilgrim Tourism with Special Reference to Malaya
Parvathi V S	Cultural Tourism With Special References to Koo
Safreena E S	Cultural Tourism With Special References to Koo
Shibina K	Cultural Tourism With Special References to Koo
Soly Varghese	Cultural Tourism With Special References to Koo
Sreelakshmi S Raj	Backwater Tourism with Special Reference to Kur
Thasleena U T	Backwater Tourism with Special Reference to Kur
Vandhana Vinod	Backwater Tourism with Special Reference to Kur
Varsha Ramakrishnan	Backwater Tourism with Special Reference to Kur
Vishnupriya Bino	Backwater Tourism with Special Reference to Kur

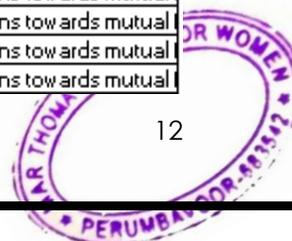
NIRVANA



PROBLEM SOLVING

NAME	PROJECT TITLE
Shabna Kareem	A case study on mitochondrial neurogastro intestinal encephalopathy
Aleena Mariyam George	A study on the poultry farm in Koovappady panchayath
Hindbeevi AM	A Study on butterflies and their interactions with plants in ward 11 of Kottapady panchayath
Fathima Shaji	A comparative study on the distribution and diversity of ants in different habitats of Perumbavoor
Nabeela A A	A Study on the bird diversity In Ward 7 Keezhmad Panchayath
Sandra PS	A study on the dragonfly diversity in ward 6 of Koovapady panchayath
Fathima Kareem	Study of spider diversity in ward 10 of Assamannoor grama panchayath
Anjana Sajeev	The study on pig farm management and economic importance in chooramudi, meembara
Nidhy Anna Sunny	Study on diary farm management and economic importance in a cattle farm in Rayamangalam pa
Siya Paul	A study on the diversity of millipede in peechanickad, ward XXX of Angamaly municipality
Leeshma Shaji	A study on the survey of joint diseases with special relevance to rheumatoid arthritis
Fathima Farzana	A study on the effect of different colours of light on red coral platy fish
Mayoori MB	A study on the importance of diagnosis in joint disorder
Maneesha Beegum PM	Obesity in daily life
Amalendhu Rajan	A study on the poultry farm in Kurumpampady panchayat in Perumbavoor
Ashlin Sabu	A study on the effect of different colours of light on red coral platy fish
Alfiya Shaji	A comparative study on the distribution and diversity of ants in different habitats of Perumbavoor

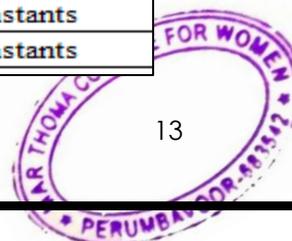
Name	Project Topic
AJINA MAHIN	A study of consumer perception towards e-payment with special reference to Google Pay in 'Ward 17, Peru
ALFYA K ALI	A study of consumer perception towards e-payment with special reference to Google Pay in 'Ward 17, Peru
ANCY GEORGE	A study of consumer perception towards e-payment with special reference to Google Pay in 'Ward 17, Peru
APARNA SIVAN	A study of consumer perception towards e-payment with special reference to Google Pay in 'Ward 17, Peru
ASWATHY P .R	A study on awareness and attitude of working women towards stock market
ASWATHY RAJEEVAN	A study on awareness and attitude of working women towards stock market
A'YSHA BEEVI C .H	A study on awareness and attitude of working women towards stock market
FARHANA MUHAMME	A study on awareness and attitude of working women towards stock market
FATHIMA MEHARINE N	A study on problems and prospects of small scale business during the Covid pandemic situation
FATHIMA A .K	A study on problems and prospects of small scale business during the Covid pandemic situation
FIDHA NASREEN	A study on problems and prospects of small scale business during the Covid pandemic situation
KARTHIKA T. M	A study on Impact of social media on youth with special reference to Mar Thoma College for Women Perum
MARIYA JOSE PETER	A study on Impact of social media on youth with special reference to Mar Thoma College for Women Perum
RESHMA RAJESH	A study on Impact of social media on youth with special reference to Mar Thoma College for Women Perum
SAFNAMOL C. J	A study on Impact of social media on youth with special reference to Mar Thoma College for Women Perum
SONA SURESH	Work life at office before and after COVID-19
THARA PAULOSE	Work life at office before and after COVID-19
AMINA LATHEEF	Work life at office before and after COVID-19
APARNA ELDOHOSE	Work life at office before and after COVID-19
BASIL A P.S	A study on the influence of COVID 19 on online consumer purchasing behaviour and business operations
MEENAKSHI O .S	A study on the influence of COVID 19 on online consumer purchasing behaviour and business operations
NAVYA JOSE	A study on the influence of COVID 19 on online consumer purchasing behaviour and business operations
NIVYA JOSE	A study on the influence of COVID 19 on online consumer purchasing behaviour and business operations
SHIFANA C.U	A study on relationship between investors personal attributes and investment perceptions towards mutual
SIMILU SAJI	A study on relationship between investors personal attributes and investment perceptions towards mutual
SIMNA ABDUL KAREE	A study on relationship between investors personal attributes and investment perceptions towards mutual
SONA JOY	A study on relationship between investors personal attributes and investment perceptions towards mutual



PROBLEM SOLVING

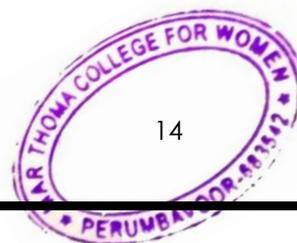
NAME OF STUDENT	TITLE
AATHIRA A KUMAR	Phytochemical analysis and extraction of trimyristin from my
ABHIRAMI T A	Phytochemical analysis and extraction of trimyristin from my
AJUMUNNISA P A	Determination of cations and anions present in different sar
ASHIYA SHAJI	Determination of cations and anions present in different sar
ASWATHI K S	Phytochemical analysis and extraction of trimyristin from my
ATHEENA SEBASTIAN	Preparation of rayon from filter paper
DONA PATHROSE	A study on adulterants in food
MARIYA VINCENT	Preparation of rayon from filter paper
NADHIYA KOCHUMON	Analysis of honey
NARMADA M	Determination of the contents of soft drinks available in the
NURJAHAN P J	Qualitative chemical analysis of important nutrients from se
PARVATHY VENU	Analysis of honey
RINSA K K	Determination of acid values of different oils
SAIFUNISA M A	A study on adulterants in food
VINAYA A M	Comparative study of amount of acetic acid in different typ
ABEEBA ALI	Comparative study of amount of acetic acid in different typ
AFLA ALI	Comparison of acid content and qualitative chemical analys
ALFIYA ALIYAR	Comparative study of amount of acetic acid in different typ
ALINSHA ALIYAR	Comparison of acid content and qualitative chemical analys
AMRUTHALAKSHMI	Comparison of neutralizing capacities of different commerci
ANUSREE ANIL	Determination of the contents of soft drinks available in the

ASMA YOOSAF	Determination of acid values of different oils
F ATHIMA SAFRIN P A	Qualitative chemical analysis of important nutrients from se
FATHIMA SHERIN M A	Comparison of neutralizing capacities of different commerci
FATHIMMA K Y	Determination of the contents of soft drinks available in the
JENNET WILSON	Analysis of honey
KADEEJA C S	Preparation of rayon from filter paper
KHADEEJAMOL P A	Qualitative chemical analysis of important nutrients from se
KRIPA ELSA KURIAN	Comparison of acid content and qualitative chemical analys
MANYA MANOJ	Determination of the contents of soft drinks available in the
MEENU MOHAN	Comparison of neutralizing capacities of different commerci
MINCIYA UMMAR	A study on various chemical factors affecting tea flavours
NIVEDITHA A K	A study on various chemical factors affecting tea flavours
PARVATHY M A	A study on various chemical factors affecting tea flavours
REMEESA PARVIN	Analysis of oils- determination of chemical constants
ROUFATH SHAJI	Determination of cations and anions present in different sar
SAHALA KHALID	A study on adulterants in food
SUMAYYA S ALI	Analysis of honey
THASNEEM ABDUL RASHEED	Determination of acid values of different oils
VICTORIYA SELVI J	Analysis of oils- determination of chemical constants
SOWMIYA K	Analysis of oils- determination of chemical constants



PROBLEM SOLVING

Name of the Student	Title of the project
Akhina K Sudheesh	Institution Energy Audit
Anu Paul	Institution Energy Audit
Fathima Hamsa	Institution Energy Audit
Fathima T S	Institution Energy Audit
Fathimath Saniya	Institution Energy Audit
Khadeeja M.H	Home Energy Audit
Akhilendu T Anil	Home Energy Audit
Surya M C	Home Energy Audit
Adhila K S	Home Energy Audit
Afrin M K	Home Energy Audit
Anna Davis	Energy Audit-Supreme Food Industry
Farzana Ashraf	Energy Audit-Supreme Food Industry
Durga Gopan	Energy Audit-Supreme Food Industry
Fathima Shiril	Energy Audit-Supreme Food Industry
Durga Gopan	Energy Audit-Supreme Food Industry
Aiswarya Ramesh	Carbon Foot Print Analysis
Ameena M.K	Synthesis of Silver nano particles using coir fibre extracts
Ansila Anas	Resistivity of a semiconductor using four probe analysis
Daya Das P.K	Preparation of nanomaterials-Copper Oxide nanoparticles
Nithuna Rajan	Preparation of nanomaterials-Copper Oxide nanoparticles
Treesa Maria Stanly	Carbon Foot Print Analysis
Alfiya Kareem	Experiment to find Stefan's Constant
Najiya A.A	Dielectric Constant of Solid and Liquid
Nandana Jayan	Dielectric Constant of Solid and Liquid
Nasooha Jalal	Synthesis of Silver nano particles using coir fibre extracts
Ramseena Shameer	Experiment to find Stefan's Constant
Sana Sayed	Resistivity of a semiconductor using four probe analysis
Shahanas T.S	Preparation of nanomaterials-Copper Oxide nanoparticles
Farisha K.M	Wireless EV Charging Station
Shahima Shahazada	Wireless EV Charging Station
Syamini Sasi	Wireless EV Charging Station
Revathy Rajeev	Wireless EV Charging Station
Anjima D.	Synthesis of iron oxide nano particles using coir fibre extra
Laya S. Pillai	Synthesis of iron oxide nano particles using coir fibre extra
Krishna V.S	Synthesis of iron oxide nano particles using coir fibre extra
Anagha P.S	Synthesis of Copper Oxide Nano Particles
Krishnendu K.K	Synthesis of Copper Oxide Nano Particles
Lucy Sneha George	Synthesis of Copper Oxide Nano Particles

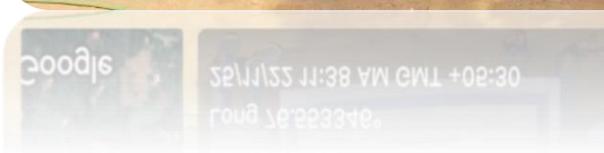


BIODIVERSITY SURVEY

Surveys develop a sense of inquiry and capability for asking relevant questions and to recognise cause and effect relationships. The survey aimed at understanding the needs of people in the village. Necessities of the villagers such as street lights and water scarcity were reported to the officials.

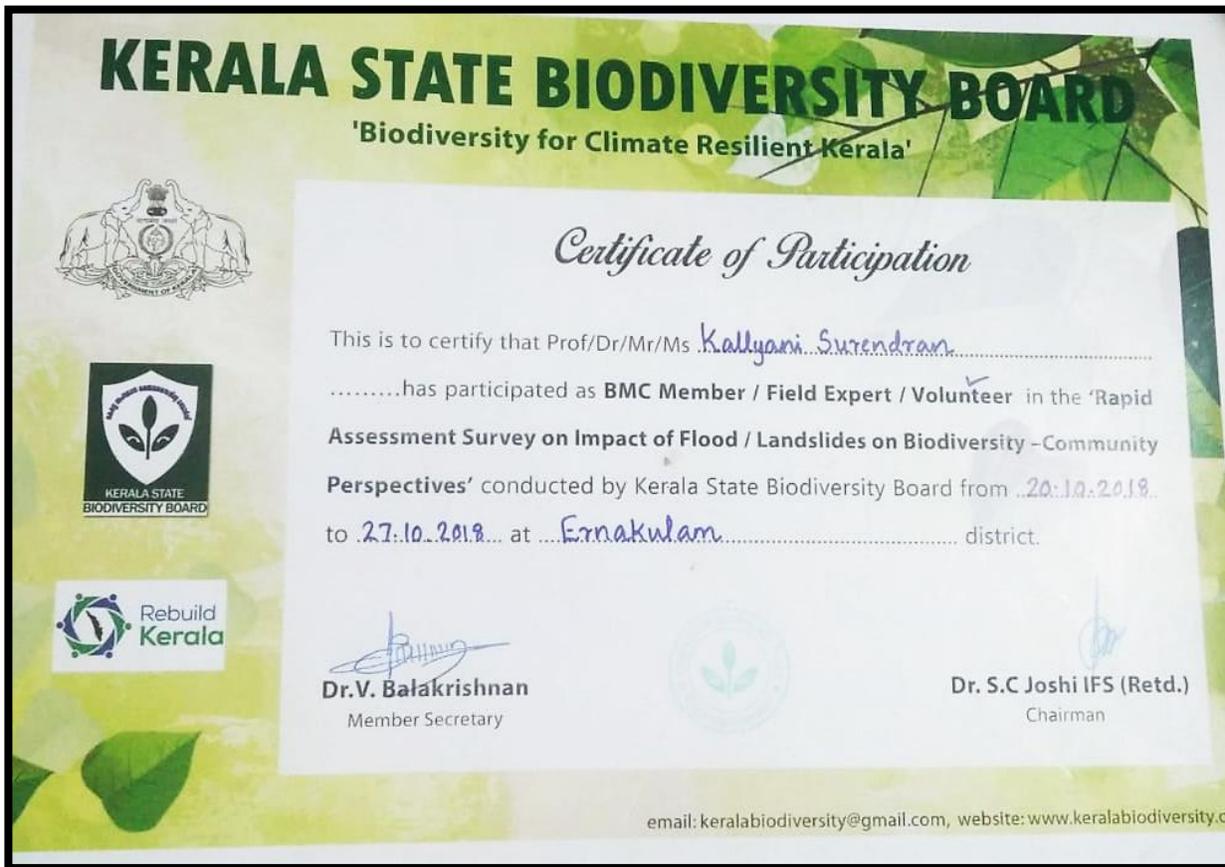


UBA survey



Kerala State Biodiversity Survey





MINDMAPPING SESSIONS

Students are introduced to the new tool of learning -mind mapping as effective too for memorising the facts and to have connectivity between ideas. A mind map is a visual thinking tool that helps structuring information, helping you to better analyze, comprehend, synthesize, recall and generate new ideas. Students are shown different samples of mind mapping and each student is asked to draw a mind mapping on the periodic properties of elements according to their own creativity and originality. Students were made to memorize things based on mind-mapping techniques.

