



**REPORT
OF
TERESIAN RESEARCH AND
CONSULTANCY CELL (TRACC)
2022-23**



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PUBLISHING

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'GURUVANDANA' & RESEARCH MEET



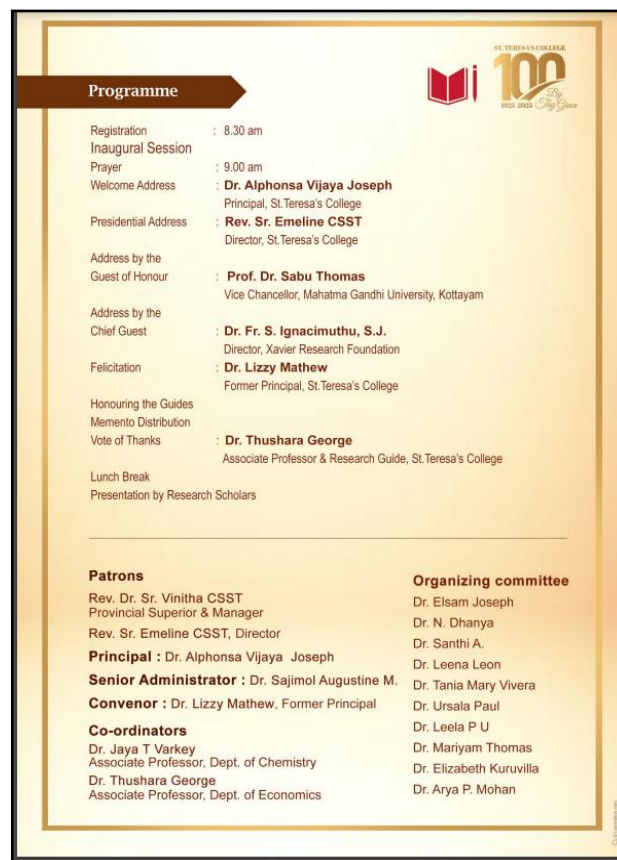

ST. TERESA'S COLLEGE
(AUTONOMOUS), ERNAKULAM
 COLLEGE WITH POTENTIAL FOR EXCELLENCE
 Reaccredited by NAAC in the 4th Cycle with A++ (CGPA 3.57)


ST. TERESA'S COLLEGE
100
 1923-2023
By Thy Grace

'GURUVANDANA'
RESEARCH MEET -2022

14th JULY 2022, 9.00 AM

Organised by
**Teresian Research and
 Consultancy Cell (TRACC)**



Programme

Registration : 8.30 am
 Inaugural Session
 Prayer : 9.00 am
 Welcome Address : **Dr. Alphonsa Vijaya Joseph**
 Principal, St. Teresa's College
 Presidential Address : **Rev. Sr. Emeline CSST**
 Director, St. Teresa's College
 Address by the
 Guest of Honour : **Prof. Dr. Sabu Thomas**
 Vice Chancellor, Mahatma Gandhi University, Kottayam
 Address by the
 Chief Guest : **Dr. Fr. S. Ignacimuthu, S.J.**
 Director, Xavier Research Foundation
 Felicitation : **Dr. Lizzy Mathew**
 Former Principal, St. Teresa's College
 Honouring the Guides
 Memento Distribution : **Dr. Thushara George**
 Associate Professor & Research Guide, St. Teresa's College
 Vote of Thanks
 Lunch Break
 Presentation by Research Scholars

Patrons
 Rev. Dr. Sr. Vinitha CSST
 Provincial Superior & Manager
 Rev. Sr. Emeline CSST, Director
Principal : Dr. Alphonsa Vijaya Joseph
Senior Administrator : Dr. Sajimol Augustine M.
Convener : Dr. Lizzy Mathew, Former Principal
Co-ordinators
 Dr. Jaya T Varkey
 Associate Professor, Dept. of Chemistry
 Dr. Thushara George
 Associate Professor, Dept. of Economics

Organizing committee
 Dr. Elsam Joseph
 Dr. N. Dhanya
 Dr. Santhi A.
 Dr. Leena Leon
 Dr. Tania Mary Vivera
 Dr. Ursala Paul
 Dr. Leela P U
 Dr. Mariyam Thomas
 Dr. Elizabeth Kuruvilla
 Dr. Arya P. Mohan

As part of the Centenary activities of St. Teresa's College, Ernakulam, Teresian Research and Consultancy Cell (TRACC) organised 'Guruvandana' Research Meet on 14th July, 2022. The event rendered gratitude to the eminent research guides and felicitated the 107 Ph. D. awardees from St. Teresa's College. The guests of honor were welcomed by Dr. Alphonsa Vijaya Joseph, Principal, St. Teresa's College and the Presidential address was delivered by Rev. Sr. Emeline CSST, Director of St. Teresa's College. Sister stressed the importance of enhancing research publications that would benefit in gaining University status. Guest of honour, Dr. Sabu Thomas, Vice Chancellor, M G University addressed the gathering. He congratulated St. Teresa's College for being one of the best autonomous colleges in the state. He asserted the significance of applying for patents, publishing in high impact journals and incubating research startups. He proposed formulating interdisciplinary research proposals in frontier areas and to read and publish in high impact journals. He stressed the importance of forming a patent cell, give incentives to faculties working on patents and to encourage industry collaborations which is an interface of research and industry. He requested the teachers to be active in startups and for the institution to form a large scale incubation centre that promotes startups. Research should be converted to marketable products and that would bring the institution to the international arena. He also promised full support of MG University for all research based activities of St. Teresa's college and wished full success for the Research meet.

Fr. Dr. S. Ignacimuthu, S. J., Director of the Xavier Research Foundation, St. Xavier's College, Tamil Nadu delivered the keynote address. He spoke on the topic of NEP and patents. NEP encourages collaborations between industry and research and the National Research Fund provides fund for research proposals. Fr. Ignacimuthu elaborated on the types of patents and the significance of patenting. He explained the elements and components of patents and discussed examples of process patents that were granted to him and his institution. Dr. Lizzy Mathew, former Principal, St. Teresa's College offered felicitations and congratulated on the extensive research output of our institution and for the 107 PhD degrees awarded. She also complimented on the highly appreciable activities of TRACC and the organisers of Research Meet.

The Research guides were honored with Ponnada and the centenary memento and the Ph.D. awardees were felicitated with the centenary memento. Dr. Thushara George, Research Guide and Associate Professor, Department of Economics delivered the vote of thanks.











REPORT OF HALF YEARLY PhD RESEARCH PRESENTATION 2022-23
PhD RESEARCH PRESENTATION – HALF YEARLY

BATCH 1

Time: 1.00PM

Date: 14/07/2022

Venue: Home Science Department

External Expert : Dr. Beela.G.K

Chair : Dr. Betty Rani Issac

Observer : Dr. Ursula

SLNo.	Name of the scholar	Title	Supervisor	Remarks
1.	Anitha Begum A S	A Comparative study on the Quality of Food provided in Food Outlets and Households in Malappuram District in Kerala and the Association with Lifestyle Diseases	Dr. Anooja Thomas	
2.	Arathi Amarnath. M	Multidimensional health behaviours related to screen-time use among adolescents	Dr. Shilpa Jose	

3.	BeenaCheriyam	Effect of different storage conditions on shelf life, nutritive value and palatability of cultivated edible mushroom	Dr. Shilpa Jose	
4.	Sr Elizabeth Joseph	Effectiveness of indigenous iron supplements and nutrition education among anemic college girls (18-23 years) in kottayam district	Dr. Betty Ran Isaac	
5.	Najma Chokli	Development and evaluation of nutraceuticals designed for type 2 diabetes and impact on intervention	Dr. Anooja Thomas	
6.	Nimmi Jacob	Screening and Extraction of pigments from plant sources and its food application	Dr. Shilpa Jose	
7.	Ms. Priyanka P S	Identification of bioactive components of edible cashew nut testa and development of nutraceutical	Dr. Betty Ran Isaac	
8.	Rajimol K.C	Nutritional profile, Nutritional KAP and performance level of female athletes of 18-23 yrs of MG university and affiliated colleges	Dr. Anooja Thomas	
9.	Rose Mary Francis	Housing Needs Concerns and Problems of Elderly - A multifaceted study	Dr. Anooja Thomas	

**PhD RESEARCH PRESENTATION – HALF YEARLY
BATCH 2**

Time: 1.00 PM

Date: 14/07/2022

Venue: Home Science Department

External Expert: Dr. MeghaThamby

Chair : Dr. Anu Joseph

Observer : Dr. Mariyam Thomas

SLNo.	Name of the scholar	Title	Supervisor	Remarks
1.	Sushmitha Kamath	Enhancing achievement in mathematics among children through multiple intelligence teaching strategies	Dr. Thara Sebastian	
2.	Ani Thomas Thottan	Vitamin D status and its health impact on Women	Dr. Anu Joseph	
3.	Binu Emmanuel	Development of value added products using selected millets and its popularization	Dr. Anu Joseph	
4.	Grace Ann Mathew	Parental perception on Early childhood care and education in Ernakulam district	Dr. Nisha Vikraman	
5.	Maria Shaji	Developmental and Health Status of the Tribal Children in Idukki District	Dr. Betty Rani Isaac	
6.	Minu Mathews	Factors Determining the Convenience Food Purchase Behaviour and it's Impacts- An Exploratory Study	Dr. Leena Leon	
7.	Neethu Ravikumar	Comparative study on the Maltese cross pattern of starch granules of selected rice varieties	Dr. Anooja Thomas	
8.	Surya M. Kottaram	Risk Factors of Metabolic Syndrome among Adults (30 to 59 years) in Kochi	Dr. Betty Rani Isaac	
9.	Teena Kurian	Food safety and food hygiene practices of outdoor catering units in Kottayam District, Kerala	Dr. K. S. Kumari	
10.	Treesa Sindhu Thomas	Household solid waste management by urban and rural homemakers - An analytical study	Dr. Leena Leon	

**PhD RESEARCH PRESENTATION – HALF YEARLY
BATCH 3**

Time: 1.00 PM

Date: 14/07/2022

Venue: Home Science Department

External Expert : Dr. Lizmitha Godwin

Chair : Dr. Susan Cherian

Observer : Dr. Arya P. Mohan

SLNo.	Name of the scholar	Title	Supervisor	Remarks
1.	Akshaya.E	An evaluative study to assess school readiness among rural and urban anganwadi children in kannur district	Dr. Nisha Vikraman	
2.	Azra Nasreen V	Developing sustainable plans for transforming selected Anganwadies in the coastal belt of kochi to utilitarian early learning centres	Dr. Dhanya N	
3.	Elizabeth Joseph	Entrepreneurship in Agri. based Allied sectors: A scenario analysis in Kottayam District	Dr. Nisha Vikraman	
4.	Jyothi.S	A Study on the Severity of Smartphone Usage among School Children (Between 6 to 8 years) in Ernakulam	Dr. Dhanya N	
5.	Leena George	Conceptualisation, implementation and evaluation of a Structured Reading Programme (SRP) for improving the Reading Competency of Lower Primary Students of selected areas in Ernakulam	Dr. Dhanya N	
6.	Lenus Francis Deepa	Development and implementation of age appropriate activities for foundational stage of education in accordance with the curriculum NEF 2020	Dr. Betty Ran Isaac Co- guide: Dr. Dhanya N	
7.	Nair Supriya Damodaran	Development of clothing for differently abled children using natural dyed cotton fabrics	Dr. Dhanya N	
8.	Sreeja.S	Knowledge, Attitude and Practices of Food Safety Inspectors-an assessment and awareness building	Dr. Leena Leon	

9.	Sukanya S R	Detection of Attention Deficit Hyperactivity Disorder Among Preschool Children in Kottayam District	Dr. Nisha Vikraman	
10.	Teresa Kuncheria	Emotional Intelligence and factors contributing to resilience of weavers in the flood affected units of Chendamangalam Handloom	Dr. Thara Sebastian	

(BATCH 2)

Department of Home Science

The half yearly Ph. D Research Presentation of the Department of Home Science commenced at 1.00 pm on 14.07.2022. Dr. Sr. Betsy, Former Principal B CM College , Kottayam, as the subject expert, Dr. Susan Cheriyan, Department of Home Science, St. Teresa's College (autonomous), Ernakulam chaired the session and Dr. Mariyam Thomas, Department of Physics, St. Teresa's College (autonomous), Ernakulam was the internal observer. The meeting started with a welcoming note by Dr. Susan Cheriyan and she introduced the subject expert to the participants. This was followed by presentations by the scholars. Every presentation ended with queries, suggestions and recommendations by the subject expert. A total of 6 presented their research work.

Firstly, Ms. **Akshaya E**, presented on the topic 'An evaluative study to assess school readiness among rural and urban anganwadi children in Kannur district', she is doing research under the guidance of Dr. Nisha Vikraman, Department of Home Science, St. Teresa's College (Autonomous), Ernakulam. She has published one review article and her presentation was good and research progress is satisfactory.

Ms. Leena George presented on the work entitled "Conceptualization, implementation and evaluation of a Structured Reading Programme (SRP) for improving the Reading Competency of Lower Primary Students of selected areas in Ernakulam". The researcher has completed conceptualization part. The implementation and evaluation part has to be completed. She is doing research under the guidance of Dr. Dhanya N, Department of Home Science, St. Teresa's College (Autonomous), Ernakulam. Her presentation was very good and research progress is satisfactory.

Ms. Sreeja.S presented her research work entitled " Knowledge, Attitude and Practices of Food Safety Inspectors-an assessment and awareness building' Her course work, data collection and analysis part is completed. She published two papers. Her presentation was very good and progress was satisfactory. She is doing research under the guidance of Dr. Leena Leon, Department of Home Science, St. Teresa's College (Autonomous), Ernakulam.

Ms. Elizabeth Joseph presented her research work entitled “Entrepreneurship in Agri based Allied sectors: A scenario analysis in Kottayam District”. She completed Phase I & II. Her presentation was very good and progress was satisfactory. She is doing research under the guidance of Dr. Nisha Vikraman, Department of Home Science, St. Teresa’s College (Autonomous), Ernakulam

Ms. Sukanya R presented the research work on “Detection of Attention Deficit Hyperactivity Disorder Among Preschool Children in Kottayam District”. Dr. Nisha Vikraman, Department of Home Science, St. Teresa’s College (Autonomous), Ernakulam. Her Presentation was good and the progress is satisfactory. She completed data collection and the data size 380.

Ms. Minu Mathews presented the work on “Factors Determining the Convenience Food Purchase Behaviour and it's Impacts- An Exploratory Study”. She is doing research under the supervision of Dr. Leena Leon, Department of Home Science, St. Teresa’s College (Autonomous), Ernakulam. She completed Data collection and statistical analysis. Her Presentation was good and the progress is satisfactory.

Ms. Neethu Ravikumar presented the work progress on the topic “Comparative study on the Maltese cross pattern of starch granules of selected rice varieties”. She is doing research under the supervision of Dr. Anooja Thomas, C M S college, Kottayam. She completed pilot study and analysis part. She published three papers and 2 posters. Her presentation was very good and progress is satisfactory.

Ms. Lenus Deepa Francis presented her research work entitled “Development and implementation of age appropriate activities for foundational stage of education in accordance with the curriculum NEP 2020” Her course work is completed. Her presentation was very good and progress was satisfactory. She is doing research under the guidance of Dr. Betty Rani Issac and Dr. Dhanya N, Department of Home Science, St. Teresa’s College (Autonomous), Ernakulam.

Ms. Teresa Kuncheria presented her research work entitled “ Emotional intelligence and factors contributing to resilience of weavers in the flood affected units of Chendamangalam Handloom” She completed course work and survey. Her presentation was good and progress was satisfactory. She is doing research under the guidance of Dr. Thara Sebastian (Rtd.), Department of Home Science, St. Teresa’s College (Autonomous), Ernakulam

Ms. Teena Kurian presented her research work entitled “ Food safety and food hygiene practices of outdoor catering units in Kottayam District”. She completed the analysis part. Her presentation was very good and progress was satisfactory. She is doing research under the guidance of Dr. K.S Kumari.

Ms. Surya M Kottaram presented her research work entitled “ Risk factors of Metabolic Syndrome among Adults in Kochi”. She completed the pilot study and started sample collection.

Her presentation was very good and progress was satisfactory. She is doing research under the guidance of Dr. Betty Rani Issac, Department of Home Science, St. Teresa's College (Autonomous), Ernakulam.

All the scholars have attended national, international webinars and conferences.

The presentations were followed by a vote of thanks by Dr. Susan Cherian and the meeting came to an end by 3.30 pm.

REPORT OF HALF YEARLY RESEARCH PROGRESS PRESENTATION OF THE RESEARCH SCHOLARS OF DEPARTMENT OF HOME SCIENCE ON 05/08/2022

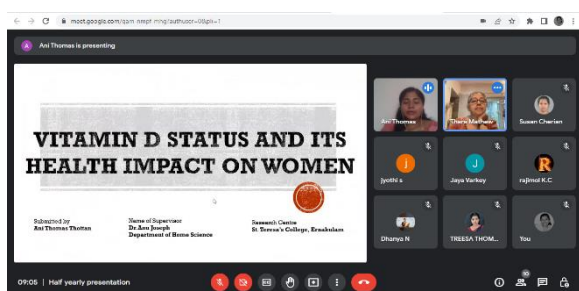
The half yearly research progress presentation of five research scholars of Department of Home Science who were not able to present on 14th July 2022 was presented on 5th August 2022 through Google Meet at 9.00 a.m. The online mode was selected due to the severe unpredictable weather conditions.

Dr. Thara Sebastian, Associate Professor and Former Head (Retired), Department of Home Science, St. Teresa's College, Ernakulam was the external examiner. Dr Susan Cherian, Head of the Department of Home Science welcomed all. Dr Jaya T Varkey, TRACC coordinator of the college and Dr N Dhanya, research coordinator of the Department of Home Science were also present.

The following research scholars presented their half yearly progress: -

1. Ani Thomas Thottan under the guideship of Dr. Anu Joseph

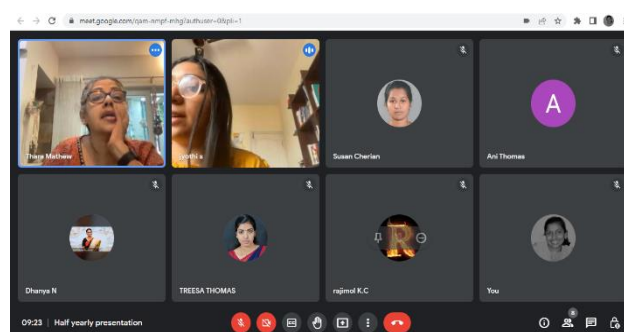
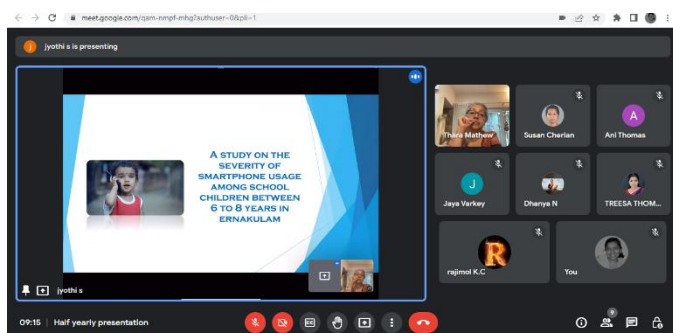
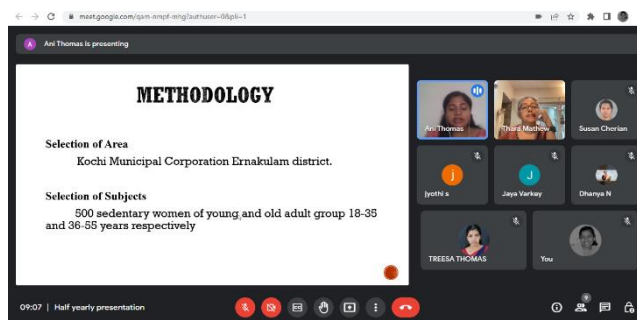
Topic - Vitamin D status and it's health impact on women



2. Jyothi S

under the guideship of Dr. N Dhanya

Topic - A Study on the Severity of Smartphone Usage among Children between 6 to 8 years in Ernakulam



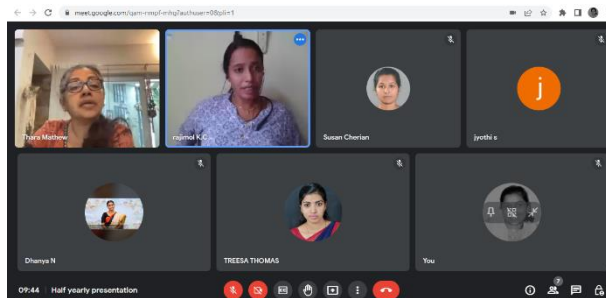
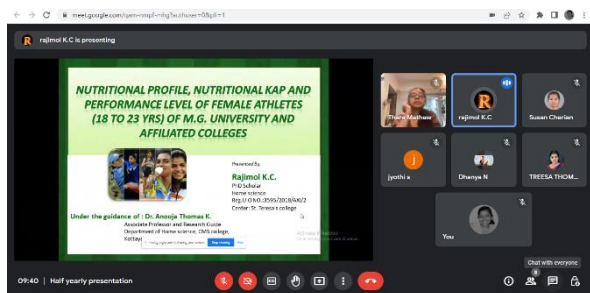
3. Nair Supriya Damodaran under the guideship of Dr. N Dhanya

Topic - Development of clothing for differently abled children using natural dyes cotton fabrics



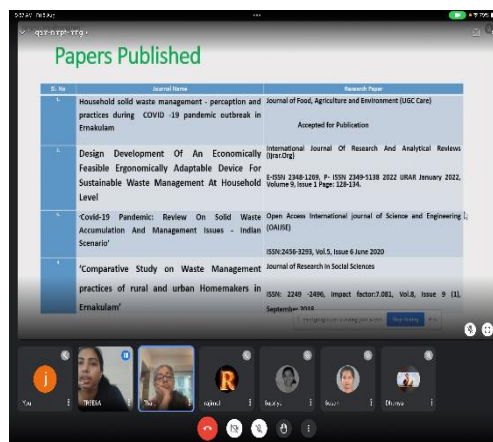
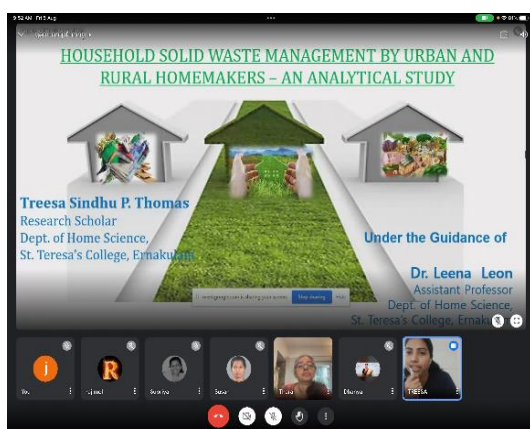
4. Rajimol K.C. under the guideship of Dr. Anooja Thomas K

Topic - Nutritional profile, Nutritional KAP and performance level of female athletes (18-23 yrs) of MG university and affiliated colleges



5. Treesa Sindhu P Thomas under the guideship of Dr. Leena Leon

Topic - Household solid waste management by urban and rural homemakers- an analytical study



REPORT OF HALF YEARLY Ph.D RESEARCH PRESENTATION 2022-23

Department of sociology

The half yearly Ph. D Research Presentation of the Department of Sociology commenced at 1.30 pm on 14.07.2022. Dr. Biju Vincent, Assistant Professor, Department of Sociology, Sree Sankaracharya University of Sanskrit, Kalady as the subject expert, Dr. Lebia Gladis N. P (Sr.Suchitha CSST), Department of Sociology, St. Teresa's College (autonomous), Ernakulam chaired the session and Dr. Leena Leon, Department of Home science, St. Teresa's College (autonomous), Ernakulam was the internal observer. The meeting started with a welcoming note by Dr. LebiaGladis N.P and she introduced the subject expert to the participants. Dr. Sajitha Kurup and Dr.Leela P.U, the research guides of sociology department were also present. The scholars presented their progress of the research activities with a power point presentation. Every presentation ended with queries, suggestions and recommendations by the subject expert. A total of 7 presented their research work – 2 scholars presented their work on online mode.

Sl. No:	Name of Student	Topic
1	Sheela Abraham	Religious Communities and Social Development - A Study on Catholic Nuns in Kerala.
2	Mohan Mathew	The Changing Agrarian Social Structure and The Social Relations -in Kuttanadu.
3	Sanjose A Thomas	Development Induced Displacement and Social Dis articulation of Displaced People in Kerala with Special Reference to Nedumbassery Airport Project.
4	Dinu K	Religious conversion and Identity: Understanding the Determinants and Impact of Dalit and Non -Dalit Conversion to PRDS.
5	AthiraSugathan	Marumakkathayam to Makkathayam in Malabar Region: A Structural Analysis.
	ONLINE PRESENTATION	
6	Sreelakshmi C S	Redefining Gender and Sexuality: A Sociological Deconstruction into The Lives of Men Who Have Sex with Men (MSM) Identities
7	Geethu P G	'Transworld': A Sociological Discourse on The Life and Experiences of Transgenders

All the scholars have attended national, international webinars and conferences.

Half Yearly Progress Report (1 January to 30 June 2022)

Department of Economics and Centre for Research

Abstract of Half yearly presentations by the Research Scholars of the Department of Economics

Date: 14-07- 2022

Venue: Room No.13, St.Teresa's College, Ernakulam

Teresian Research and Consultancy Cell (TRACC) of St.Teresa's College promote a conducive research culture in the college .As part of Centenary Celebrations, TRAAC organized a research meet '**Guruvandana**' on 14th July 2022 to honor the research guides of the college and to facilitate the PhD awardees. The guest of honor Prof. Dr. Sabu Thomas (Vice Chancellor, M.G. University, Kottayam) and Dr.Ignacimuthu S.J. (Director, Xavier Research Foundation) addressed the gathering.

This was followed by a session for PhD Scholars of the research centres of the college to present brief review of their work in the presence of their respective external subject experts.

The Post Graduate Department of Economics, St. Teresa's College, has ten research scholars with distinctive research topics. They presented a brief review of their progress in research in the presence of the external expert, Dr. M. S. Madhusudhanan Nair, Associate Professor, Economics Sacred Hearts College, Thevara. The session started at 1 pm, Dr. Mary Liya C.A , Head of the Department of Economics delivered the welcome speech. The research guides Dr. Nirmala Padmanabhan, Retd. Associate Professor, Economics Dept. and Dr. Thushara George, Associate Professor, Economics Dept. were also present for the presentation of their respective scholars. Every presentations were evaluated and valuable comments were given by the experts. The entire session was concluded at 3pm and vote of thanks was proposed by Dr. Mary Liya C.A , Assistant Professor and Head of the Department of Economics, St.Teresa's College. Minutes was compiled. All research scholars updated their research profile and signed the attendance register.

A brief report on work done and suggestions by external expert regarding each topic are summarized below:

Guide: Dr.Nirmala Padmanabhan

1) **Ms. NaseeraKuttasseri** : Topic- Gender Responsive Budgeting In Local Bodies In Kerala

Research progress presented:

- Prepared the first 4 chapters
- Started data collection
- Published a paper in UGC care list journal
- Presented a paper in an international conference
- No major suggestions was made by the external expert, but queried the difference between WCP and GRB

2) **Ms.Karthika K:** Topic- Economics Of Palliative Care- A Study On Cancer Related Home Based Care

Research progress presented:

- Drafted first three chapters
- Prepared and standardized the schedule for primary survey
- Started Primary survey
- Published a paper
- External expert raised query on
 - a. How to measure economics of palliative care?
 - b. Clarity regarding opportunity cost method.

3) **Ms. Tresa Betsy:** Topic – Geriatric Care services in Kerala; Pattern of Expenditure and Effectiveness of Institutional Mechanisms with Special Reference to Palliative Care.

Research progress presented:

- Prepared first three chapters
- Standardized schedule for primary survey
- Started primary data collection.
- Presented a paper titled “Coping up with the elderly ; Practices initiated for Healthy Ageing in Kerala” in an international Conference on Ageing Well.
- External expert commented on the second objective and pointed out a mismatch with the title.

4) **Ms. Aswathy MJ:** Topic – Generation And Management Of Waste By Houseboats In Alappuzha District

Research progress presented:

- Completed first four chapters
- Undergoing sample survey and waste audit
- External expert raised query on methods of houseboats waste management.

5) **Ms. Amala Johnson:** Topic – Decentralized Solid Waste Management in Kerala: A Case Study of Selected Local Bodies.

Research progress presented:

- Finished first two descriptive chapters
- Have completed one detailed interview and doing the first survey
- External expert suggested to finish the first survey and to publish a paper soon.

Guide: Dr.Thushara George

They stated objectives, success in attaining objectives, research output and results, publications, conference attendance, etc. In addition, it allows the student and his/her supervisor the opportunity to identify achievable targets for the coming six months.

External Guide: Dr. Madhusoodhanan Nair M.S.

1. Mary Clarat K.P.

Topic: Performance of Mutual Funds in India: A Scheme wise and Sector Wise analysis
U/O No. 291/2019613/AC A 10/2019/MGU

Progress

- ❖ Second paper “a comparative study on Systematic Investment Plan and One Time Investment Plan in Mutual Funds” is almost ready for publishing.
- ❖ Identified the sources of data for the first two objectives.
- ❖ Decided the chapter scheme of the research study. Review of the external expert External expert was satisfied with the progress of the research work He was a little doubtful about the collection of the primary data to complete the third objective, ie., the investors perception about the mutual fund.
- ❖ He also commended that the mutual funds will not be ready to disclose the details of their customers.
- ❖ He suggested to participate the workshops or investors meets organised by different mutual funds and collect the details of the participants from whom the primary data can be collected. He advised to use judgement sampling or snow ball sampling method for the same.

2. Sudheesh P.N.

Topic: Market Concentration and Performance of Life Insurance Industry in India.

U/O No : 289/2019, 613/AC A 10/2019/MGU.

- ❖ Going through Review of literature
- ❖ The course work has been finished successfully and the examination has Been given
- ❖ finished Chapter 2 (Overview of Life Insurance industry in India)
- ❖ On the basis of research reading, published two paper in UGC listed Journals with My Research Guide
- ❖ Next paper publication work is almost over
- ❖ Two paper presented in International seminar, which hosted by Various Research departments and University.
- ❖ Attending various Webinars....
- ❖ Participated ICSSR Sponsored Offline Research Methodology at Kannur University from 16th May to 23rd May 2022

3. Tom Pious

NBFCs In Kerala: A Study of Financial Penetration and Asset Liability Condition

U/O No. 290/2019,6613/AC A 10/2019/MGU

Dr. Thushara George

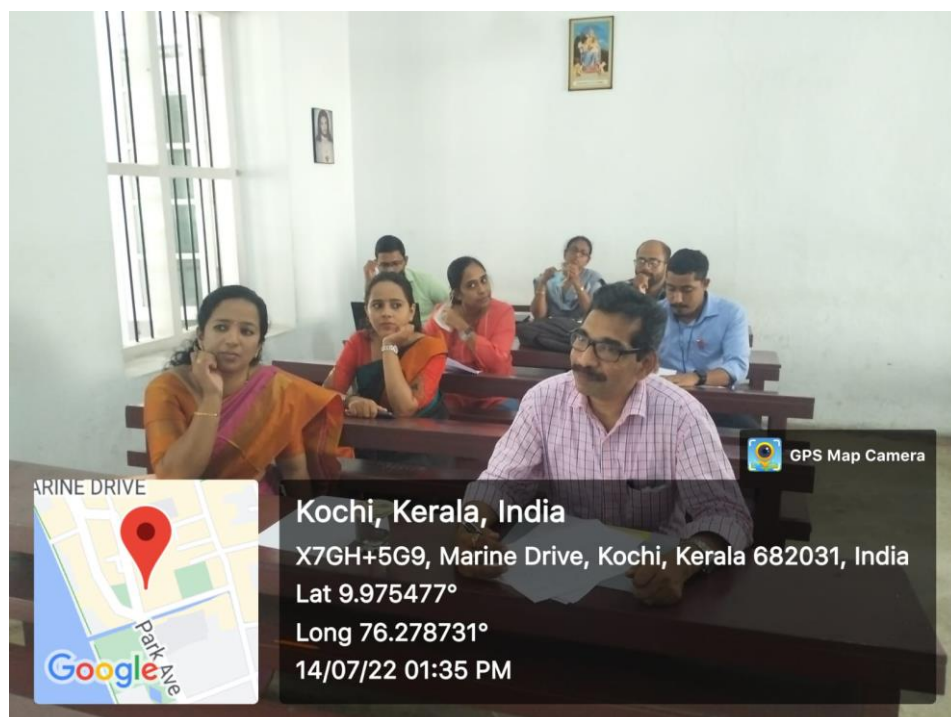
- ❖ First chapter draft
- ❖ Review of literature going on
- ❖ Published preparing two papers on the topic
- ❖ Working on a new paper nbfc and sdg
- ❖ Completed internship programme in KSPB.

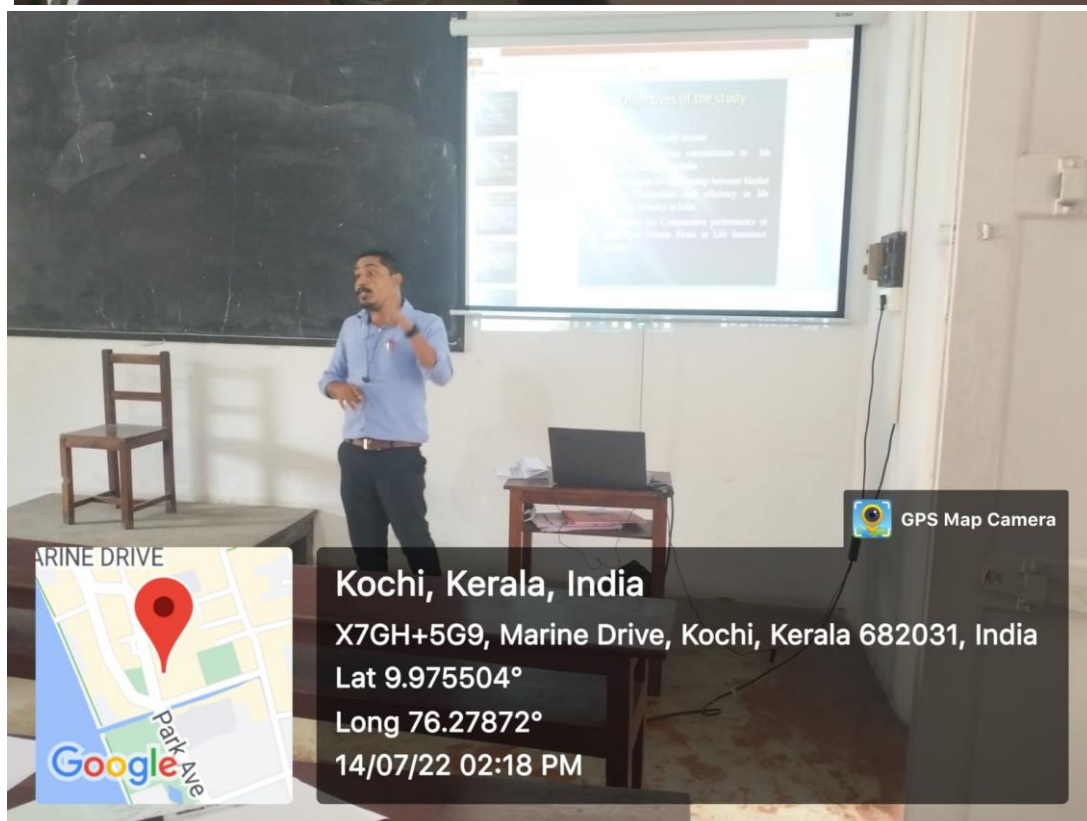
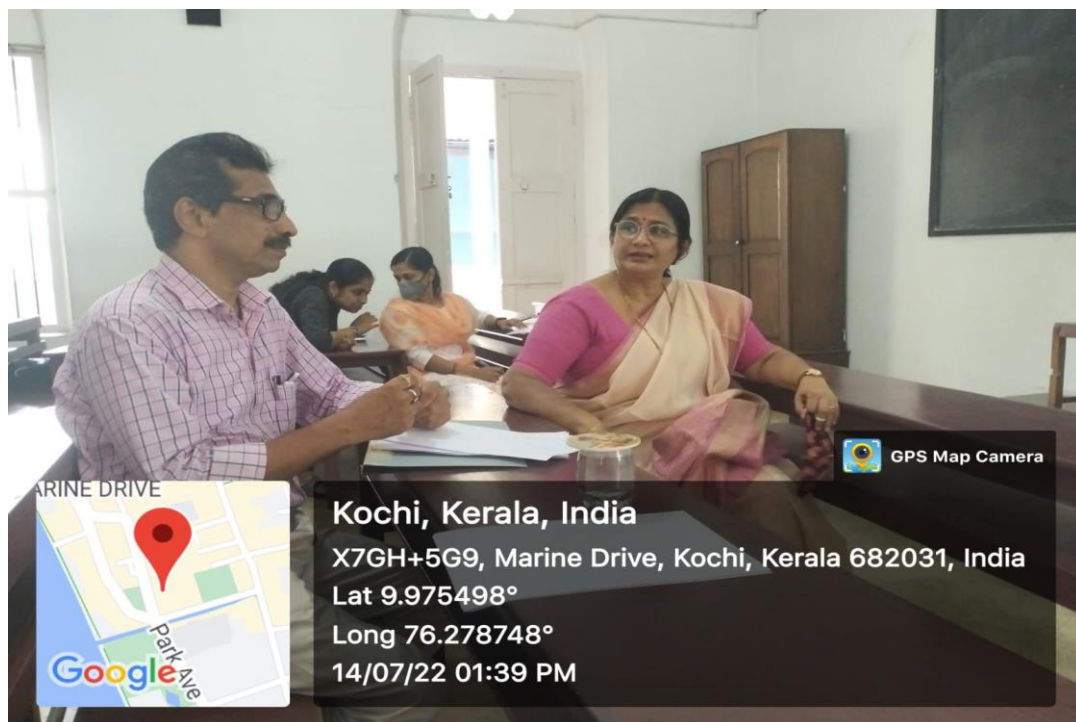
4.Pranaya. S Kumar

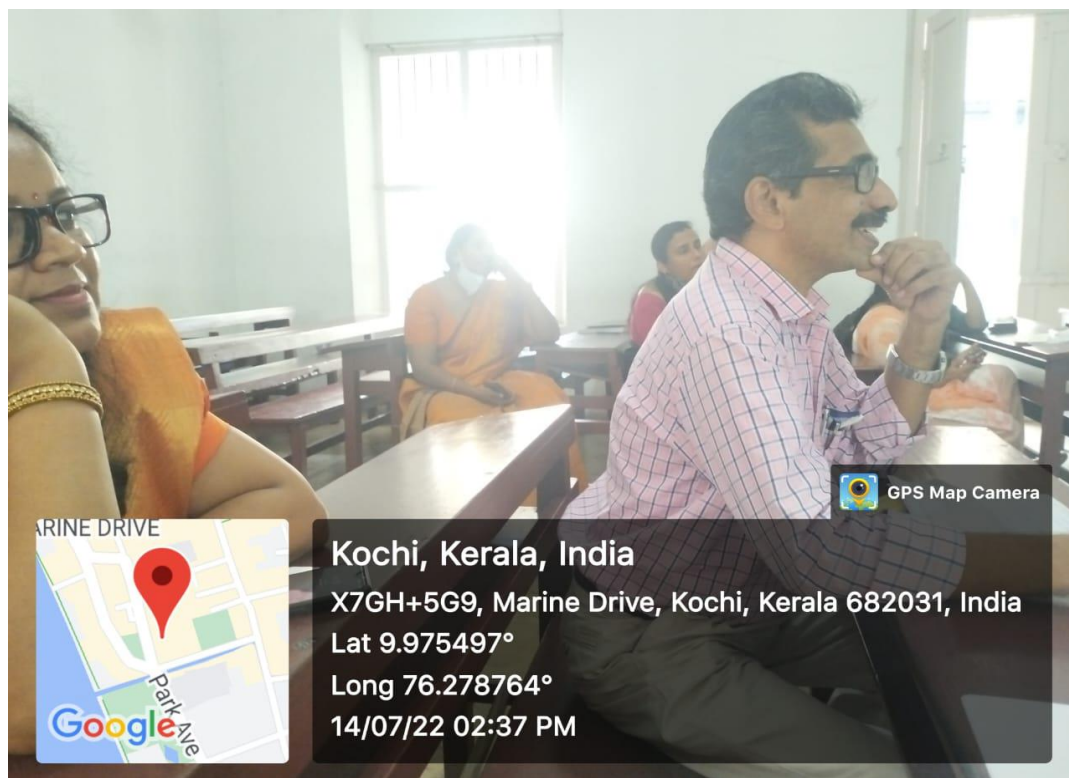
Foreign Direct Investment: A Study on the Retail sector in India

U/O No. 292/2019613/AC A 10/2019/MGU

- ❖ Review of literature is going on.
- ❖ Course work exam completed.
- ❖ Various parameters for each objectives is getting identified.
- ❖ Attended 10 days Research methodology Workshop sponsored by ICSSR.
- ❖ Paper publication on “Customer Perception of organized retail outlets: A Case study on Trivandrum ”is under progress.







Half Yearly Progress Report

Department of English and Centre for Research

Date: 14-07- 2022 (Online Mode, Scholars were present at the campus, external expert through online mode)

Venue: English Departement, St. Teresa's College, Ernakulam

Presentations Schedule

Date: 14 July 2022 Time: 1:30 PM onwards

Group 1

External Expert: Dr. Priya Jose, Research Guide & Assistant Professor, Dept of English Maharaja's College, Ernakulam

Sl. no	Name of Scholar	Name of Supervisor	Title
1.	Nayomi Rajan	Dr. Anitha R	Imagescaping in Urban Nature: Reimagining Urban Spaces in Select Fictional Narratives
2.	Silja Roy	Dr. Anitha R	Literary Cartography in Territorial Dialectics: A Geo critical analysis of textual Representations of Fort Kochi
3.	Saritha KV	Dr. Anitha R	Contracting the Gendered Subaltern: As tudy of Selected

			Works of Bhama
4.	Roby Mathew	Dr. Anitha R	Sea Scaping the Self: An Eco Archetypal Reading of Herman Melville
5.	Feneena S Mohamed	Dr. Anitha R	Aporia of the Mind, Aphasia in the Text: A Neuroloinguistic Reading of Select Novels of Samuel Beckett
6.	Jishnu Prasad	Dr. Anitha R	The Politics of Subversion: A cultural Critique of Arab Spring
7.	Parvathy Nair	Dr. Anitha R	Imaging Diasporic Communities

Group 2

External Expert: Dr. Saumi Mary, Research Guide & Assistant Professor, Dept of English, St. Xavier's College for Women, Aluva

Sl. no	Name of Scholar	Name of Supervisor	Title
1.	Rekha E.	Dr. Anitha R	Constructing Nation and Gender: A Comparative Reading of Isabel Allende and Jamaica Kincaid
2.	Sreelekshmi A R.	Dr. Latha Nair R.	Theatre as therapy: The impact of Applied Theatre on students from Shelter Homes
3.	Sebastian A.V.	Dr. Latha Nair R.	Between Frame and Liberal Space: A Reader Response Critique of K Satchidanandan and Ann Morgan
4.	Anand K	Dr. Latha Nair R.	Learner Autonomy and LMS: an Experiential Study on Multimedia/Mobile assisted Teaching-Learning Pedagogy and Collaborative Learning in Kerala
5.	Nuzhat Uneen	Dr. Priya K. Nair	Interrogating Postfeminism: A study of the media construction of select female celebrity image in India.
6.	Chitra Tracy Johnson	Dr. Priya K. Nair	Politics of Narration in Select Writings by Arab Women

Group 3

External Expert: Dr. Suja T.V. Research Guide & Assistant Professor, Dept of English Maharaja's College, Ernakulam

Sl. No	Name of Scholar	Name of Supervisor	Title
1	Chitra Sebastian	Dr. Priya K. Nair	Poetics of Banality: Study of Select Malayalam Fiction
2.	Indu MS	Dr. Celine E.	Mythical Cyclorama: A Reading of Indian and Chinese Snake Myths
3.	Camilla Diana B.H.	Dr. Tessy Anthony C.	Deconstructing Territories- An exploration on alternative sexualities on selected Post independence Indian English Theatre

4.	Renjitha Reghunath	Dr. Tessy Anthony C.	Digital Literature and the Young Adult Fiction: A Study of Digital Media and the Multimodal Reading Experiences of the New Age Readers with specific reference to Wattpad and Figment.
5.	Sheelu Alex	Dr. Tessy Anthony C.	Re-negotiating Diasporic Identity: A Study of Select Novels of Amy Tan, Jhumpa Lahiri and Khaled Hosseini
6.	Alicen Roshiny Jacob	Dr. Tessy Anthony C.	Gendered View of the Orient: A Study of the Nineteenth Century Travel Narratives by British Women on India
7.	Priya Purushothaman	Dr. Tessy Anthony C.	The Dialectics of Power: An Analysis of Insurgency in India through a Study of the Works by Mirza Waheed, Shahnaz Bashir, Siddhartha Gigoo and Anita Krishnan

External expert Dr. Priya Jose, Assistant Professor, Maharajas College, Ernakulam
Observer- Dr. Leela P.U., Assistant Professor, St. Teresa's College, Ernakulam

Group 1 -List of Scholars

Supervisor- Dr. Anitha R

1. NayomiRajan
2. Silja Roy
3. Saritha KV
4. Roby Mathew
5. Feneena S Mohamed
6. Jishnu Prasad

Presentation details:

1. **Research Scholar- NayomiRajan**
Research Supervisor- Dr R Anitha

Topic- Image scaping in Urbanature: Reimagining Urban Spaces in Select Fictional Narratives. This research work research explores the experiential realms of 'urbanature' and the networks of relationships embedded in the cityscape. During the presentation, Scholar explained the title, the core concepts and chapter divisions and also presented the progress of my work. Currently Scholar has been writing the third chapter which analyses fictional representations of Mumbai. Suggestion- To explain the relevance of Mumbai as a city.

2. **Research Scholar: Silja Roy**
Research Supervisor- Dr R Anitha

Topic: Literary Cartography in Territorial Dialectics: A Geo critical Analysis of Select Textual Representations of Fort Kochi.

Progress: Finished the introductory chapter and the theory chapter. Completed the analysis of the literary texts. At present analyzing the historical texts.

Suggestion: to include the criteria with which the primary texts are chosen.

3. Research Scholar: Sarita K V
Research Supervisor- Dr R Anitha

So far Ms.Sarita K V has been completed have been completed 4 chapters and submitted it to the guide. Currently working on the conclusion.

In half yearly presentation Ms.Sarita K V talked about her thesis statement, objective of the study and some of the major points discussed in her chapters.

Suggestions: Not much suggestions have been given.

4. Research Scholar: Roby Mathew
Research Supervisor- Dr R Anitha

Topic: Seascaping the Self: An Eco-Archetypal Reading of Herman Melville

Statement of the work done: 4 chapters completed

Comments: the research activity is going in the right direction. The fifth chapter should include the thorough application of the theory part explained in the fourth chapter.

5. Research Scholar- Feneena S Mohamed
Research Supervisor- Dr R Anitha

Feneena S Mohamed working on “Aporia of the Mind, Aphasia in the text: A Neurolinguistic reading of the novels of Samuel Beckett. “ Feneena presented the structure of the thesis; elaborated that this thesis will start with an analysis of aphasic utterances in Beckett. It will proceed through analyzing the representations of Tourette’s syndrome and amnesia in Beckett. The final chapter will analyse the representation of disability in Beckett. Feneena have finished the theoretical chapter and now working on the analysis of aphasic utterances. The external expert asked about Tourette’s Syndrome and how it is a social disability.

6. Research scholar: Jishnu Prasad
Research guide: Dr. R Anitha

Research topic: The politics of subversion: A cultural critique of Arab Spring in the select novels of Yasmine El Rashidi, Basma Abdel Aziz and Benyamin.

Jishnu’s research explores how these three authors from their different subject positions problematize the sociopolitical situation in middle east region in connection with Arab revolutions. During the presentation Jishnu described the title, core ideas, chapter division etc.

Suggestion: To elaborate the political changes happened in the region.

Sreelakshmi AR

Theatre As Therapy: The Impact Of Applied Theatre Process On Students From Shelter Homes

Brief report on work done during the period:

- Completed course work and cleared course work examination
- Presented a paper on theatre in an international seminar
- Working on theories and publications

Suggestion by the expert:

- To make the dramatic intervention comprehensive and suitable to the period of study

Anand K

Topic: Learner Autonomy and LMS: an Experiential Study on Multimedia/Mobile assisted Teaching-Learning Pedagogy and Collaborative Learning in Kerala.

Brief report on work done during the period:

- Attended coursework sessions (online)
- Collecting and reading of materials, working on the questionnaire
- Identified the sample size and institutions
- Non certificate course on 'Design Thinking', by Tata Institute of Social Sciences.
- Wrote foreword for two books published

Chitra Tracy Johnson

Topic: Politics of Narration in Select Writings by Arab Women

Writing the first draft of chapter III "Politics of Autobiography". The chapter intends to explore the interplay of memory, trauma and diasporic identities of the writers in the selected writers

Suggestions: Look into various trauma theories

Rekha E

Constructing Nation And Gender: A Comparative Reading Of Isabel Allende And Jamaica Kincaid

Progress of the period from January to June 2022

The thesis analyzes the intricacies connected with the ideas of nation, gender, race and sexuality as seen in the selected works of Isabel Allende and Jamaica Kincaid by situating them within the framework of postcolonial feminism. The thesis consists of five chapters. The first chapter provides an overview of postcolonial feminism. The second chapter compares the works of the two writers by focusing on the nation-state. The third chapter studies the position of women in the Latin American and Caribbean contexts with respect to the selected works. Power and oppressive structures are taken into account. The fourth chapter studies the two memoirs, My Invented Country and A Small Place. The fifth chapter is the Conclusion which summarizes the findings of all the chapters.

The first four chapters have been completed. Work on the last chapter is progressing.

DEPARTMENT OF CHEMISTRY
TRACC Biannual Conference and
Report Presentation of Research Scholars
March to August 2022

Date: 14-07-2022

Time: 2.00 pm

External Evaluator: Dr. Jinu George

Assistant Professor

Department of Chemistry

S H College, Thevara

Observer: Dr. Elsam Joseph

Sl.No.	Name of the scholar	Name of the Research Guide	Title of Presentation
1	Sicily Rilu Joseph	Dr.Ushamani M.	Title of the presentation: Sodium Borohydride Reduction of para-Nitroaniline to para-Phenylenediamine Over Metal Nanoparticles Stabilised in Synthetic and Bio-polymer
2	Ajil P. A.	Dr. Jaya T. Varkey	Synthesis, Property evaluation and Applications of Carbon/Graphene based Quantum dots from natural sources/waste materials

1. Title of the presentation: Sodium Borohydride Reduction of para-Nitroaniline to para-Phenylenediamine Over Metal Nanoparticles Stabilised in Synthetic and Bio-polymer

Ajil P. A. and Dr. Jaya T. Varkey

Abstract

Para nitroaniline (p-NA) is highly toxic to human beings and cause dyspnea, vomiting, irritability, diarrhea, respiratory arrest and anemia etc. Due to their harmful effects, many methods have been developed to remove them from waste water. Adsorption using polymers is one of the methods used. But it transfers the pollutant from one medium to another medium only. Catalytic reduction of p-NA to p-PDA is a promising alternative and is of great importance due to the reduction product of p-NA is p-PDA is an important dye which has several industrial applications. Although homogeneous catalysis is widely used in chemical industry due to the lack of recyclability and the use of high cost metals there has an increased interest in the development of supported catalysis. It facilitates recovery and reuse of the catalyst after the reaction. Inorganic materials such as zeolites, alumina, silica and activated carbon are commonly used as support for catalytically active metals. Recently polymeric supports have great interest in the synthesis of supported catalyst. Synthetic cross-linked polymers have been commonly used as support for the synthesis of polymer supported catalyst. PS-HDODA is already used as support for transition

metal ions. Now introducing PS-HDODA as support for immobilizing metal nanoparticles. Recently there is increase in the use of natural polymers as support for heterogeneous catalysis. Now various studies are focused on using biopolymer like chitosan. Chitosan is most abundant natural polymer obtained by alkaline deacetylation of chitin. It has high affinity for metal ions is an important reason that is why an increase in interest in chitosan as support for heterogeneous catalysis. The present work focused on the reduction of p-NA using metal nanoparticles immobilised on sulphonated PS-HDODA and chitosan.

2. Synthesis, Property evaluation and Applicationsof Carbon/Graphene based Quantum dots from natural sources/waste materials

Sicily Rilu Joseph and Dr.Ushamani M.

Abstract

Literature survey was conducted to identify various sources of carbon dots and their methods of synthesis. Out of this hydrothermal method was found to be most feasible method and prawns shell waste was chosen as raw material for conducting trial studies. Validation of the above method for synthesis of carbon dots was explored and carbon dots which showed green fluorescence was synthesized from prawn's shell waste. It was characterized using UV-Visible Spectroscopy, FTIR, TEM and SAED analysis and was found to be spherical Carbon dots with size range 8-9 nm.

Extensive literature was collected from various sources and a review paper was written: 'Cellulose Functionalized quantum dots (carbon dots) for sensing applications.This review focusses on the development of cellulose-based quantum dots/carbon dots with a special emphasis on their sensing applications. In addition, the review summarized the functionalization of cellulose with quantum/carbon dots for sensing applications.

DEPARTMENT OF PHYSICS

Report Presentation of Research Scholars

March to August 2022

Date: 14-07-2022

Time: 2.00 pm

External Evaluator: Dr. Issac Paul

Research Guide & Retd. Associate Professor

Department of Physics, S B College, Changanassery

Observer: Dr. Elsam Joseph

Sl.No.	Name of the scholar	Name of the Research Guide	Title of Presentation
1	Anjali G	Dr. Kala M S	Boron and Carbon doping in Molybdenum Oxide for Dilute Magnetic Semiconductors Applications

2	DivyaRajan	Dr.Santhi A	A study on the photothermal and biomedical applications of multifunctional nanocomposites of hematite with gold and silver.
3	Minu Pius	Dr.Santhi A	Influence of calcination Temperature on the properties of Zinc Ferrite and its Nanocomposites

Abstracts

1. Boron and Carbon doping in Molybdenum Oxide for Dilute Magnetic Semiconductors Applications

Anjali G, Dr Kala M S

Diluted Magnetic Semiconductors (DMS) form a new class of magnetic materials, which fill the gap between ferromagnets and semiconductors with spin dependent interesting magneto-electro- optic properties. The great challenge and ultimate goal of the research in this field is to obtain DMS ferromagnetic at room temperature, which can be integrated in semiconductor eterostructures for electronic or optoelectronic applications. In our work we are trying developa DMS at room temperature by substitution doping of transitional metal oxide semiconductor, Molybdenum trioxide using simple hydrothermal method. DMS materials conventionally developed by alloying semiconductors with several percentages of magnetic transition elements

(with 3-d orbitals), such as Fe, Mn, Co, Ni, and V, but it may results in non- uniform spin density due to its clustering. Anionic substitution of MoO₃ with elements like B, C, N can induce intrinsic ferromagnetism with uniform spin density. The Crystallite size , Band gap and Magneto electric coupling coefficient shown a good correlation for the synthesized samples. Also, able to achieve a ME coupling value of 80 mV/cmOe.

2. A study on the photothermal and biomedical applications of multifunctional nanocomposites of hematite with gold and silver.

DivyaRajan and Dr. Santhi Ani Joseph

Nanocomposites of hematite with gold and silver are synthesized and the formation is confirmed through basic characterization techniques. Photothermal diffusivity measurement of the samples were done through dual beam thermal lens technique. Thermal diffusivity of the samples were found to increase during the initial concentrations and after attaining a maximum value, it got reduced. This can be explained on the basis of Brownian motion at low concentrations and Vander Waals attraction at higher concentrations. Cell viability study on melanoma cells with and without uv irradiation with the co-administration of composite samples yield good results which is an indication of the applicability of the samples in photodynamic therapy

2. Influence of calcination temperature on the properties of Zinc Ferrite and its Nanocomposites

Minu Pius and Dr. Santhi Ani Joseph

The work projects the influence of calcination temperature and synthesis route on the synthesis of zinc ferrite nanoparticles and its nanocomposites. A range of zinc ferrite nanoparticles were synthesized via co precipitation method at different calcination temperatures. The samples were then characterized structurally, optically, thermally, and magnetically. An increase in crystallinity with calcination temperature is noticed and hence an enhancement in its properties. The nanocomposites of zinc ferrite, silver and silver chloride were synthesized at the optimised calcination temperature. Synthesis routes were also tailored to produce nanocomposite with enhanced properties while employing in photodegradation of methylene blue dye and antibacterial activity against both gram negative and gram positive strains of bacteria. Thus, by tuning the calcination temperature and the synthesis route a retrievable magnetic photocatalyst and broad spectrum antibacterial nanocomposite has been successfully synthesized.

WEBINAR ON INTELLECTUAL PROPERTY RIGHTS




ST. TERESA'S COLLEGE (AUTONOMOUS), ERNAKULAM
COLLEGE WITH POTENTIAL FOR EXCELLENCE
Reaccredited by NAAC with 'A++' and CGPA of 3.57 in the fourth cycle
37th Rank in NIRF Ranking 2022

Inauguration of Teresian Patent Cell 2022-23
and talk on
“HOW TO TURN AN IDEA INTO PATENT AND PATENT FILING TRAINING”
ORGANISED BY
Teresian Research and Consultancy Cell (TRACC)

Chief Guest
Dr. K T Varughese
Retired Scientist, Founder and Director,
Conclavit , Bangaluru

Date: 19.10.2022 Time: 1.30– 3.30pm Platform: Google meet
(For Faculty and Research Scholars)

Registration, Click Here <https://forms.gle/4qmwTwtKpaq8kU519> Join us on Google meet <https://meet.google.com/iug-gmpq-fwa>



DR. K T VARUGHES E
RETIRED
SCIENTIST (CPRI)
AND PATENT AGENT

Transforming inventions into patent applications requires a combination of knowledge and skills that can only be acquired through experience. This seminar is aimed for professors and researchers interested in learning more about the strategic use of patents in research innovations.

PROGRAM SCHEDULE

Prayer	
Welcome	: Dr. Thushara George
Presidential address	: Dr. Sr. Vinitha (CSST Provincial Superior and Manager)
Felicitations	: Dr. Alphonsa Vijaya Joseph (Principal)
	: Dr. Sajimol Augustine M. (Senior Administrator)
Inauguration of patent cell and Keynote address	: Dr. K T Varughese
Vote of thanks	: Smt. Ottina Treasa Mendez

Organizing Committee
Dr. N. Dhanya, Dr. Santhi A, Dr. Leena Leon, Dr. Tania Mary Vivera, Dr. Ursala Paul,
Dr. Mariyam Thomas, Dr. Elizabeth Kuruvila

Co-ordinators	Convenors
Dr. Elsam Joseph	Dr. Jaya T. Varkey
Dr. Leela P U	Dr. Thushara George
Dr. Arya P. Mohan	

Topic: HOW TO TURN AN IDEA INTO PATENT AND PATENT FILING TRAINING

DATE- 19/10/22

Time: 1.30 p.m. – 3.30 p.m.

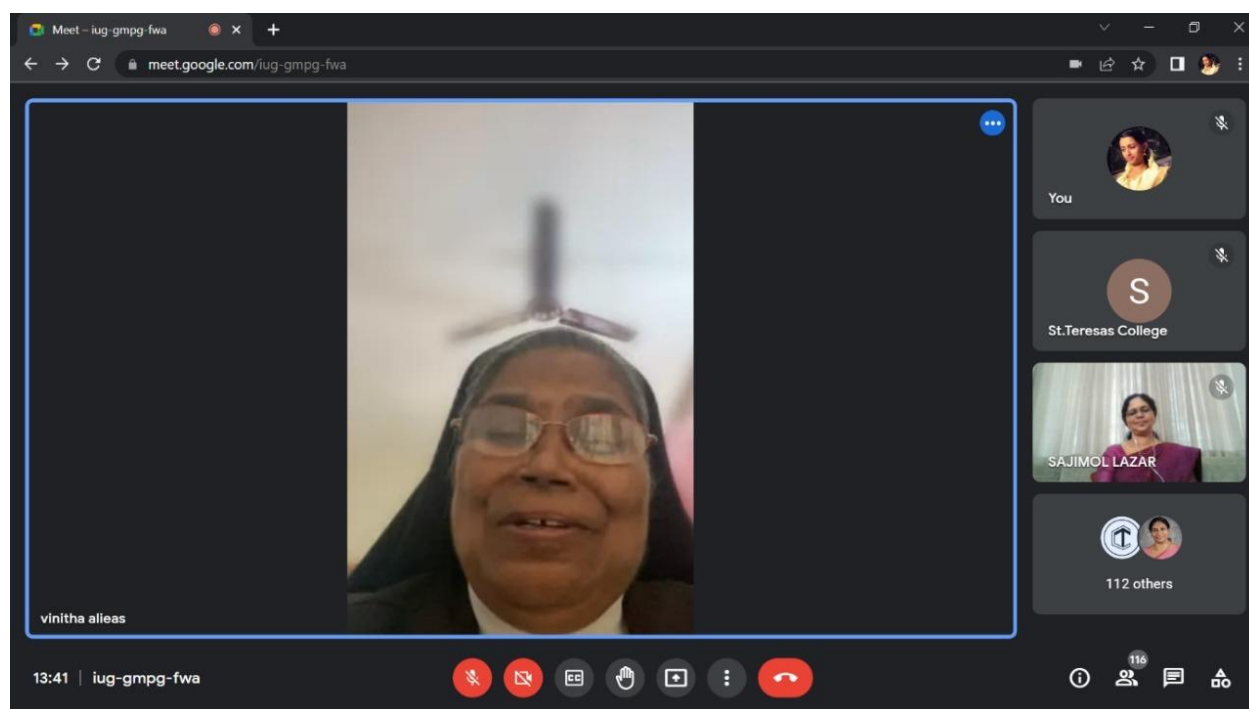
Platform: Google meet

No.of participants:120

Resource Person: Dr.K.T Varughese, Retired Scientist from central power research institute, Patent agent

The session started at 1.30 pm with a silent prayer. The session was attended by 120 participants. Dr.Thushara George,Associate professor, Department of Economics, St. Teresa's Collegewelcomed the gathering. Dr.Sr.Vinitha, Provincial superior and manager, Dr. Alphonsa Vijaya Joseph,Principal of St. Teresas collegeaddressed the gathering.Dr. Sajimol Augustine M., Senior Administrator and former principal graced the occasion by joining the meeting and felicitated the occasion.It was followedby session by Dr.K.T Varughese, Retired Scientist from central power research institute. He officially inaugurated the Teresian patent cell 22-23 and handled the topic "HOW TO TURN AN IDEA INTO PATENT AND PATENT FILING TRAINING" organized by Teresian Research and Consultancy Cell (TRACC).Dr.K.T Varughese discussed on patenting and drafting of the patent application


The session dispersed at 3.30 pm with vote of thanks by Smt. Ottina Treasa Mendez, Assistant Professor of department of Commerce self-financing, St. Teresa's College (Autonomous), Ernakulam.



Meet - iug-gmpg-fwa

meet.google.com/iug-gmpg-fwa

Recording



Alphonsa Vijaya Joseph

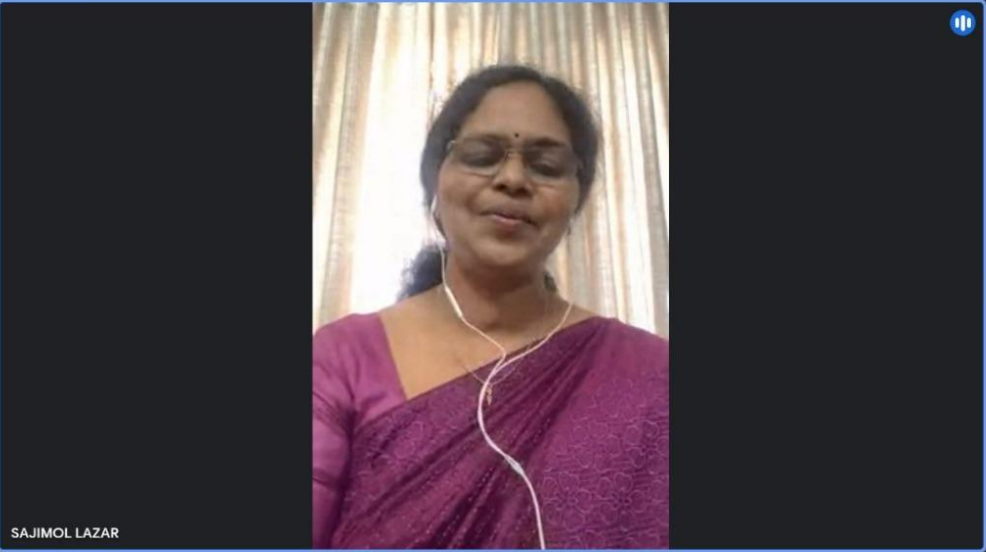
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120

Microphone, Video, Chat, Hand, Share, More, End Call

You, St.Teresas College, 118 others

Recording



SAJIMOL LAZAR

13:49 | iug-gmpg-fwa

121

Microphone, Video, Chat, Hand, Share, More, End Call

You, St.Teresas College, Dr K T Varughese, 117 others

Recording

Dr K T Varughese

13:55 | iug-gmpg-fwa

129

Recording

Lissy Jose has left the meeting

St.Teresas College

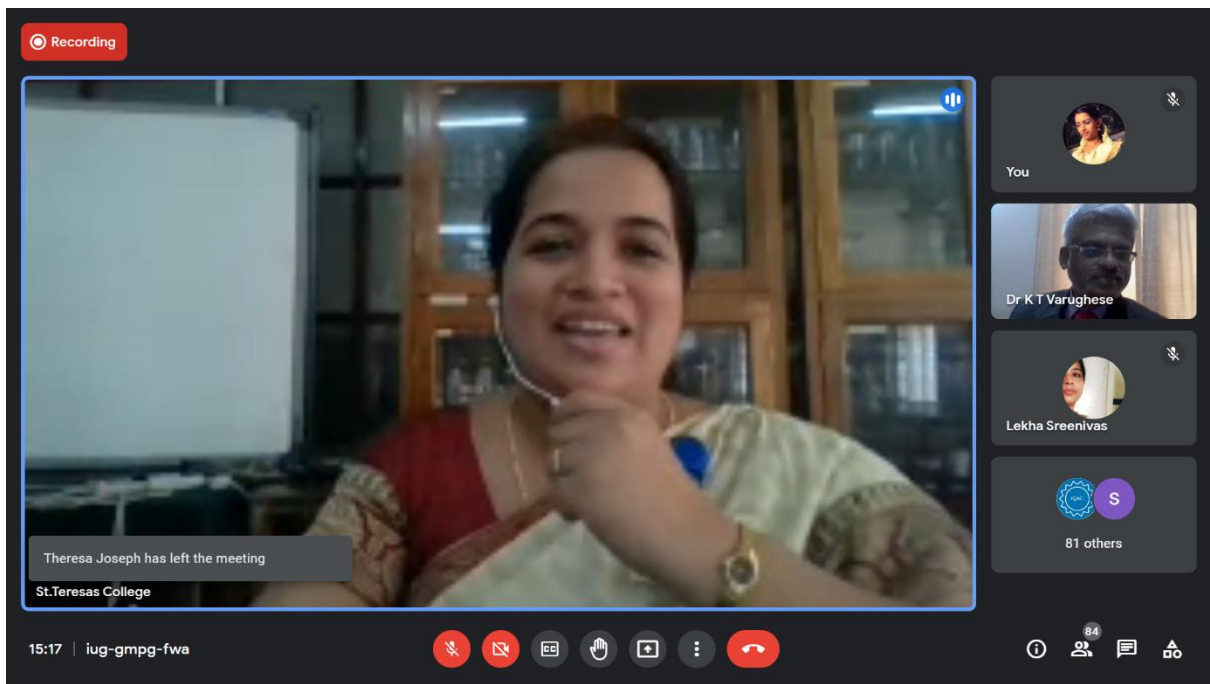
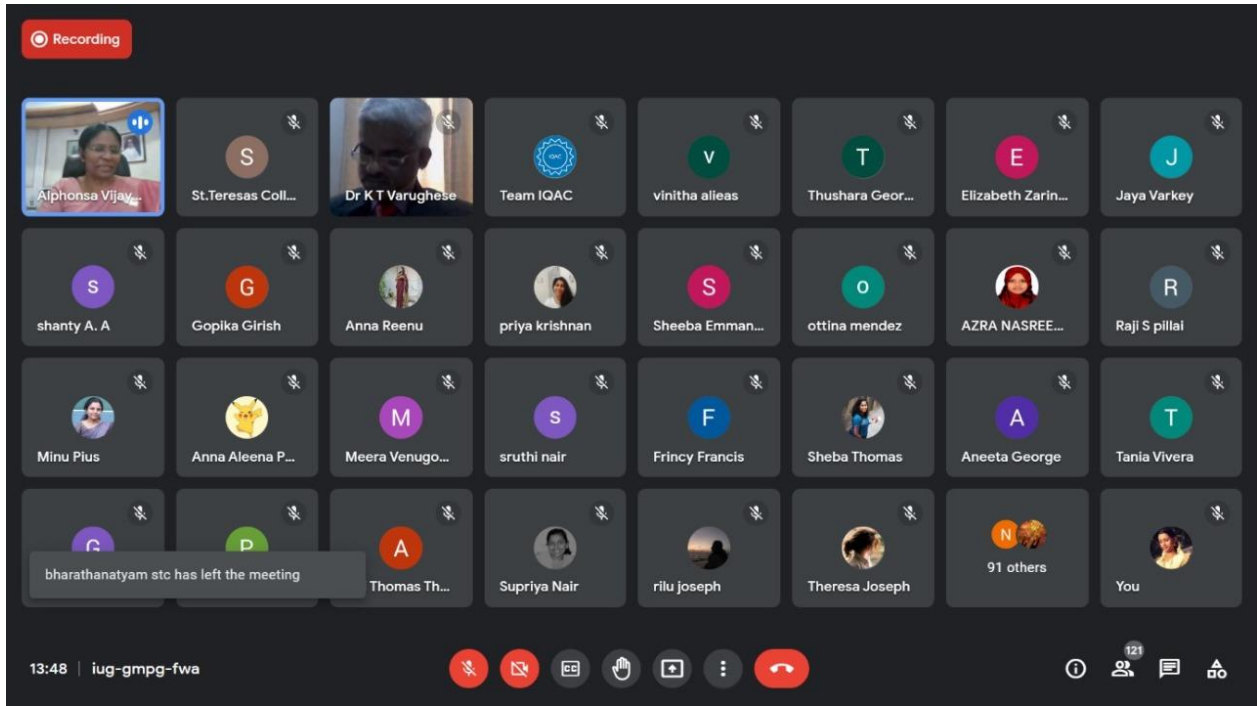
SAJIMOL LAZAR

Alphonsa Vjaya Joseph

119 others

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126



Recording Dr KT Varughese is presenting


PATENTS: DOS & DONT'S

- 7. Don't test in public
- 8. Don't present in seminars or exhibition

14:18 | iug-gmpg-fwa

118


SEMINAR ON 'THE METRICS IN ACADEMIC PUBLISHING'



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Teresian Research and Consultancy Cell (TRACC)

Organizes

Seminar on

The METRICS in Academic Publishing

(Journal metrics – IF, cite score; Individual Metrics – h index; Identifying quality journals, avoiding predatory journals, indexing and full text databases)

Speaker : Dr. Surendran Cherukodan
Assistant Librarian, School of Engineering, Cochin University of Science and Technology

PROGRAM SCHEDULE

Welcome	: Dr. Santhi A
Keynote address	: Dr. Surendran Cherukodan
Vote of thanks	: Ms. Priyanka P S

Organizing Committee

- o Dr. Elsam Joseph
- o Dr. Leena Leon
- o Dr. Tania Mary Vivera
- o Dr. Ursala Paul
- o Dr. Mariyam Thomas
- o Dr. Leela P U
- o Dr. Elizabeth Kuruvila
- o Dr. Arya P Mohan

CO-ORDINATORS
Dr. N Dhanya
Dr. Santhi A

CONVENORS
Dr. Jaya L. Dharkey
Dr. Thashara George

PATRONS
Rev. Dr. Sr. Dinitha (Manager)
Rev. Sr. Emeline (Director)
Dr. Alphonsa Vijaya Joseph (Principal)

12/12/2022 1.30 pm to 3.00 pm AV Room, Science Block

The seminar was conducted at the AV Room, science block, St. Teresa's College, Ernakulam. It started at 1.30 p.m. with a silent prayer. Dr. Shanti A, Assistant Professor, Dept of Physics introduced the resource person Dr. Surendran Cherukodan, Assistant Librarian, School of Engineering, Cochin University of Science and Technology. She also gave a brief about the session and welcomed the resource person, organising committee members and the participants.

Dr. Surendran Cherukodan began the session by showing the Research and Professional Practices (RPC) in NIRF ranking of St. Teresa's College, Ernakulam and the scenario of publishing articles in Kerala compared to other universities of India and outside India which showed that it is very less. Sir suggested that the arts and humanities field need to publish more.



Sir presented the UGC care list journals in which there are two groups group I and group II. The group II UGC care list journals need to be selected for publishing as they are indexed by Web of Science and Scopus. Group I journals have no web presence and are mostly Indian Journals.

Surendran Sir presented the procedure of submitting an article and what are the requirements for that. He also mentioned the do's and don'ts of publishing.



He informed that impact factor is given by Web of Science and no other agency can provide otherwise it is illegal. Sir also showed the list of cloned journals. He mentioned reputed publishers will not ask for a Gmail account.

He showed the importance of creating profile in Google Scholar and what is the advantage of that. He also showed how to search with appropriate keywords.

There was a question and answer session and Sir cleared all the queries of the participants.

The session came to an end at 3.00 p.m. after the vote of thanks proposed by Ms Priyanka P. S., Assistant Professor, Department of B.Voc Food Processing Technology. 50 participants including Faculty Members and Research Scholars participated in the seminar



BIANNUAL RESEARCH MEET 22-23



ST. TERESA'S COLLEGE (AUTONOMOUS), ERNAKULAM

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ST. TERESA'S COLLEGE
100
1925 2025
By Thy Grace

TERESIAN RESEARCH AND CONSULTANCY CELL (TRACC)

BIANNUAL RESEARCH MEET 2022-2023

9 am - 13TH JANUARY 2023, SEMINAR HALL



GUEST OF HONOUR
Prof. V. N. RAJASEKHARAN PILLAI
Vice Chancellor
Somaiya Vidyavihar University
Mumbai &
Chancellor, ICFAI University

PROGRAMME SCHEDULE

WELCOME	- Prof. Alphonsa Vijaya Joseph Principal
PRESIDENTIAL ADDRESS-	Rev. Dr. Sr. Vinitha CSST Manager
FELICITATIONS	- Dr. Sajimol Augustine M. Senior Administrator
KEYNOTE ADDRESS Topic	- Prof. V. N. Rajasekharan Pillai "Curricular Innovations in UG-PG education integrating research"
VOTE OF THANKS	- Dr. Thushara George Associate Professor Dept. of Economics

Presentation by Research Scholars

Patrons:
Rev. Dr. Sr. Vinitha CSST
Provincial Superior and Manager

Rev. Sr. Emeline CSST, Director

Principal:
Prof. Alphonsa Vijaya Joseph

Program Convenors:
Dr. Mariyam Thomas
Dr. Elizabeth Kuruvilla

Organising Committee:

Dr. Jaya T. Varkey
(TRACC Coordinator)
Dr. Elsam Joseph
Dr. N. Dhanya
Dr. Santhi A
Dr. Thushara George
Dr. Leena Leon
Dr. Tania Mary Vivera
Dr. Ursala Paul
Dr. Leela P U
Dr. Arya P Mohan

Invited Lecture by Prof. V.N Rajasekharan Pillai on the topic “Curricular Innovations in UG-PG education integrating research” and Biannual Research Meet were organised by TRACC on 13th January 2023.

The session started at 10.30 am with a silent prayer. Ms. Betty Joseph, Vice Principal, St. Teresa’s College welcomed the gathering. Dr. Sr. Vinitha, Provincial superior and manager, Dr. AlphonsaVijaya Joseph, Principal of St. Teresascollege were not able to attend the meeting in person due other official engagements and they conveyed wishes for the fruitful conduct of the meet. Dr. Sajimol Augustine M., Senior Administrator and former principal graced the occasion by joining the meeting and felicitated the occasion. It was followed by a session by Prof. V.N Rajasekharan Pillai. He gave a talk on the topic “Curricular Innovations in UG-PG education integrating research”. He started the talk with the relevance of integration of research in the undergraduate and postgraduate program. His talk emphasized on publishing articles in reputed journals, various funding agencies in research, institutes under CSIR, ICAR, DRDO, ICSSR and various competitive exams for PG students. He also encouraged the students to think out of the box and motivated students to keep quality desertion by utilizing internship opportunities offered by various central government institutes and universities. Also, he gave an overview of inter-disciplinary, trans-disciplinary and multi-disciplinary research relevance. After the inspiring talk, the session opened for discussion. Students, research scholars and teachers clarified their doubts and the session dispersed at 11.30 am with vote of thanks by Dr. Thushara George, Associate Professor of Department of Economics, St. Teresa’s College (Autonomous), Ernakulam. The scholars joined for the annual presentation scheduled at corresponding departments.

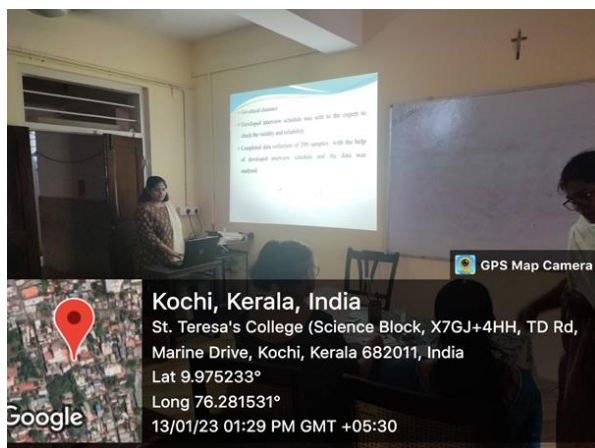
Department wise Report of Half yearly paper presentations

Department of Home Science

1. Name of the Scholar: Ani Thomas Thottan

Title: Vitamin D status and its health impact on Women

Report: Currently data collection is going on and once completed compilation and tool for intervention will be developed. The external enquired about the cause of Vitamin D deficiency. Also enquired about the status of data collection.



2. Name of the Scholar: Najma Chokli

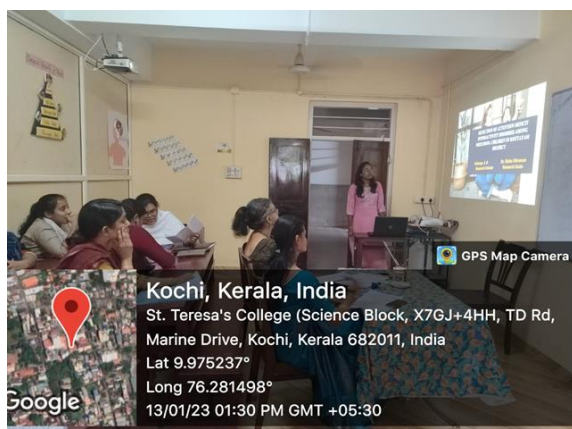
Title: Development and evaluation of nutricookies designed for type 2 diabetes and impact on intervention

Report: Developed a handbook for type 2 diabetic patients as a part of intervention. Collection of review and data collection is going on. An article has been sent for publication.

3. Name of the Scholar: Sukanya S R

Title: Detection of Attention Deficit Hyperactivity Disorder among Preschool Children in Kottayam District

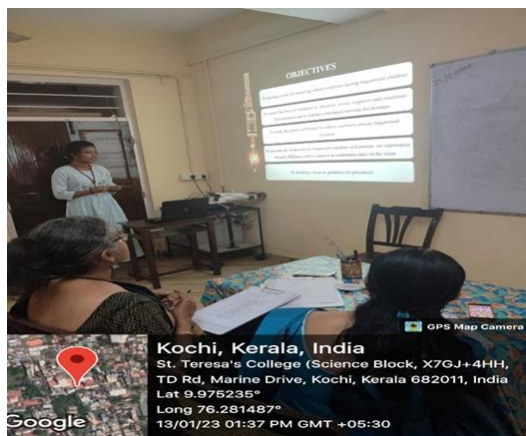
Report: Presented 2 papers in 2 National conferences and attended one webinar. Submitted second draft of full thesis and power point presentation for the pre-phd presentation has submitted to the guide. Currently preparing an article.



4. Name of the Scholar: Akshaya.E

Title: An evaluative study to assess school readiness among rural and urban anganwadi children in kannur district

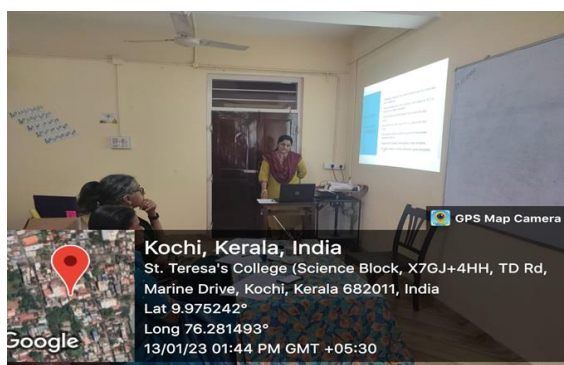
Report: Completed data collection and analysis. Data interpretation is ongoing.



5. Name of the Scholar: ArathiAmarnath. M

Title: Multidimensional health behaviours related to screen-time use among adolescents

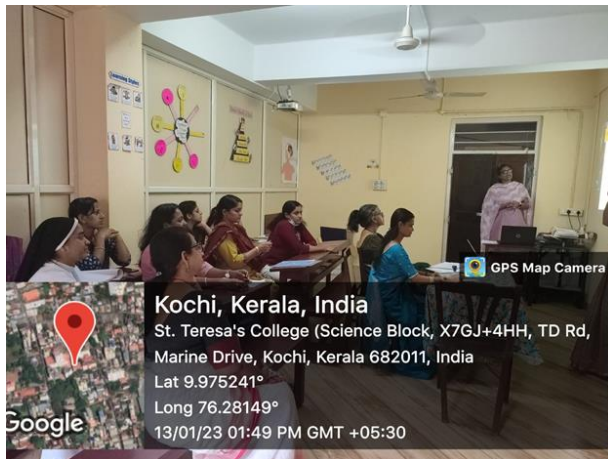
Report: Obtained ethical clearance and the draft of the questionnaire for the pilot study is ready.



6. Name of the Scholar: Elizabeth Joseph

Title: Entrepreneurship in Agri. based Allied sectors: A scenario analysis in Kottayam District

Report: Completed pre-PhD presentation and Presented a paper in 34th Biennial conference of Home Science Association of India. Doing synopsis preparation and thesis writing.



7. Name of the Scholar: Sr Elizabeth Joseph

Title: Effectiveness of indigenous iron supplements and nutrition education among anemic college girls (18-23 years) in kottayam district

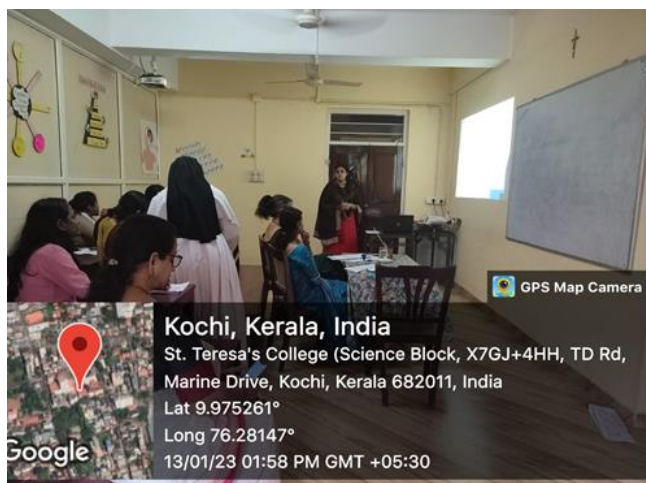
Report: Doing course work second spell. External asked about iron rich food sources which are going to selected for the development of iron supplements.



8. Name of the Scholar: Grace Ann Mathew

Title: Parental perception on Early childhood care and education in Ernakulam district

Report: Data collection is progressing. Started taking awareness sessions.



9. Name of the Scholar: NeethuRavikumar

Title: Comparative study on the Maltese cross pattern of starch granules of selected rice varieties

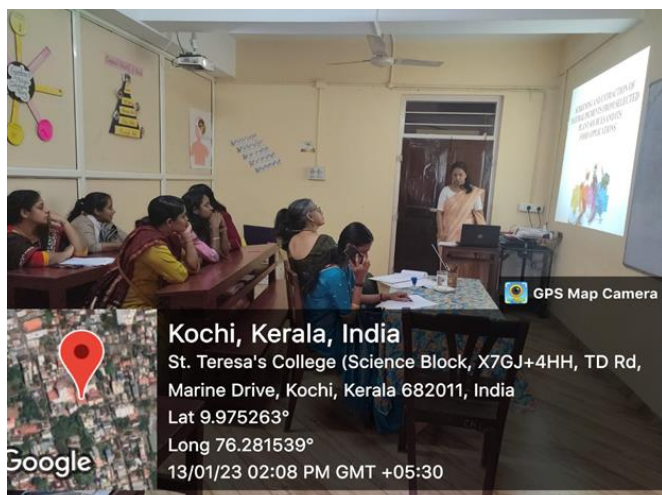
Report: Completed analysis and introduction, review and methodology, Writing Results and discussion, Published three papers and two presentation



10. Name of the Scholar: Nimmi Jacob

Title: Screening and Extraction of pigments from plant sources and its food application

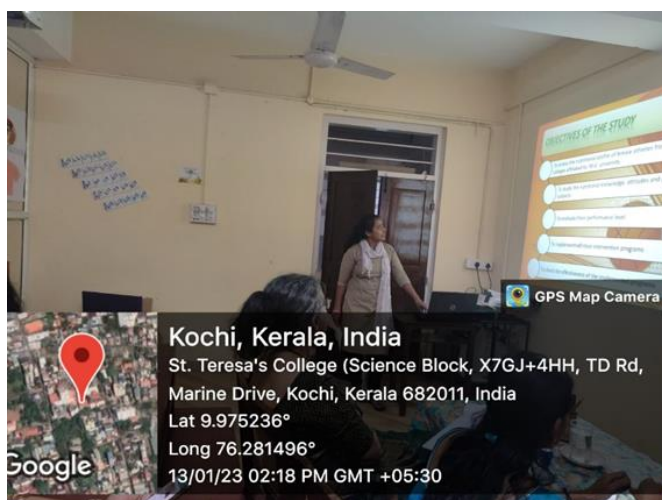
Report: Presented her study specifying the objectives and methodology followed by the work done so far. She had stressed upon the number of samples screened for food pigment extraction. The scholar has given an article to ANGRAU for publication and attended ReAP - Research advancement programme



11. Name of the Scholar: Rajimol K.C

Title: Nutritional profile, Nutritional KAP and performance level of female athletes of 18-23 yrs of MG university and affiliated colleges

Report: Phase 1 of the study completed. Currently doing data analysis and phase 2 and 3 of the study is ongoing. Report writing started. Experts gave suggestions regarding conduct of nutrition intervention.



12. Name of the Scholar: Rose Mary Francis

Title: Housing Needs Concerns and Problems of Elderly - A multifaceted study

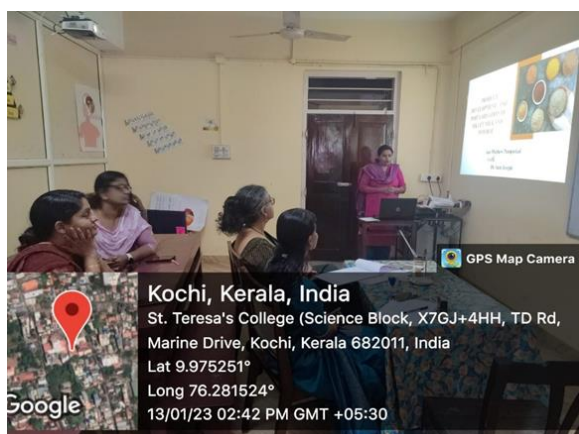
Report: Phase I- General Survey, Statistical Analysis completed, Results and discussions done. Phase II- Depth Survey data analysis and discussion writing processing. Phase III- Book with Elder friendly guidelines is ready. Design Development of “Elder-friendly Life Space” progressing.



13. Name of the Scholar: Ann Mathew Pampackal

Title: Product development and popularisation of millet milk and powder

Report: Completed course work of paper 1 and 2 and got syllabus approval. Planning to conduct a survey to assess the consumption behaviour towards millets.



14. Name of the Scholar: Teena Thomas

Title: Development and commercialisation of value added ready to cook chapatis

Report: Completed course work, assignments, syllabus approvals. Conducted survey regarding consumption of convenience foods in Kannur district.



The half-yearly presentation for research scholars took place at the Department of Home Science starting at 12:30 PM. About 16 Research scholars were listed to present before External examiner DrBhagya Assistant Professor & Research Guide, St. Joseph College, Alappuzha and Internal Examiner Dr. Nisha Vikraman, Assistant Professor, St. Teresa's College Ernakulam. Fourteen out of sixteen scholars were in attendance, while the remaining two were unable to attend due to personal reasons. Each scholar was given 15 minutes for their presentation and discussion. Scholars in their 6th and 7th years were advised to expedite their research progress. Newer scholars were informed about the coursework and planning of their research. The external and internal examiners evaluated the research objectives, methodology, current phase of research, and any journal publications of the scholars. The external examiner provided valuable and motivating feedback to the scholars. The presentation was over by 4.00 pm .

Three scholars Ms. AnithaBeegum, Ms. Teena Kurian and Ms. Priyank presented their half yearly progress online on 25.1.23 in the presence of Dr. Nisha Vikraman and Dr. Bhagya. D.

Department of English

The half yearly presentations of the Research scholars of the Department of English and Centre for Research were conducted on 13th January 2023. The external examiners were Dr. Priya Jose K, Research Guide & Associate Professor, Dept of English, Maharaja's College, Ernakulam, Dr. Saumi Mary, Research Guide & Assistant Professor, Dept of English, St. Xavier's College for Women, Aluva and Dr. Suja T.V. Research Guide & Assistant Professor, Dept of English Maharaja's College, Ernakulam. 17 research scholars did their half yearly progress presentations and the progress was evaluated by the external examiners.

Research Scholar- NayomiRajan

Research Supervisor- Dr R Anitha

Topic- Imagescaping in Urbanature: Reimagining Urban Spaces in Select Fictional Narratives.

My research explores the experiential realms of 'urbanature' and the networks of relationships embedded in the cityscape. I have submitted two chapters and is now working on the third chapter which is about fictional representations of Mumbai. Suggestions regarding the content of chapter 4 were provided.

Research Scholar: Silja Roy

Guide: Dr. R Anita

Topic: Literary Cartography in Territorial Dialectics: A Geocritical Analysis of Select Textual Representations of Fort Kochi

Progress: Finished the introductory chapter and the theory chapter. Completed the analysis of the literary texts and historical texts. Currently writing the third chapter.

Suggestion: To include the complexities in analysing the land in the chosen translated texts.

Research Scholar: Saritha KV

Guide: Dr. R Anita

Title: "Representing the Gendered Subaltern Self: An Analysis of the Select Works of Bama and Emecheta".

Progress: So far I have completed 4 chapters and the conclusion is almost finished. Clarifications sought from the external expert.

Research Scholar: Roby Mathew

Guide: Dr. R Anita

Title of the work: Seascaping the Self: An Eco-Archetypal Reading of Herman Melville.

Work done so far: Introduction and two chapters are over (Half of the work is done)

Progress: Three chapters are over and the fourth chapter is being prepared in the area of archetypal Criticism.

Comments: The external expert opined that I should refer to M. Leelavathy's book on Archetypal Criticism and apply the same in my research work.

Research Scholar: Feneena S Mohamed

Guide: Dr. R Anita

Title :Aporia of the mind, aphasia in the text: A Neurolinguistic reading of the novels of Samuel Beckett

Work done so far: Published an article in U.G.C Care listed journal

Chapters completed: One theoretical chapter, writing 2nd chapter

Suggestions/ Comments by the external expert: Enquired whether the article was accepted for publication

Research Scholar: Jishnu Prasad

Guide: Dr. R Anita

Title-: The Politics Of Subversion: A Cultural Critique Of The Arab Spring In The Select Novels Of Yasmine El Rashidi, Basma Abdel Aziz And Benyamin.

Progress: Completed chapter four. Started working on the concluding chapter.

Name of the scholar: Rekha E

Guide: Dr. R Anita

Title of the work: Constructing Nation and Gender: A Comparative Reading of Isabel Allende and Jamaica Kincaid

Chapters Completed: Four

Progress of work: Working on Chapter Five, which is Conclusion.

Suggestions by the External Expert: Gave tips on how to write the conclusion effectively.

Name of the scholar: Sreelekshmi AR

Guide: Dr. Latha Nair R

Topic:-Theatre as Therapy: The Impact of Applied Theatre Process on Students in Shelter Homes

Progress: Working on publications. The shelter home was closed down, and right now facing a crisis in proceeding the work. Topic change required.

Suggestion by the expert: To focus on theoretical framework.

Name of the scholar: Anand K

Guide: Dr. Latha Nair R

Topic: Learner Autonomy and LMS: an Experiential Study on Multimedia/Mobile assisted Teaching-Learning Pedagogy and Collaborative Learning in Kerala.

Brief report on work done during the period:

Attended coursework examinations in Nov. 2022

Pilot experiments conducted among different sample groups (Animaker, adobe, teleprompter, youtube cc, podcasts)

A collection of fairy tales by sample populace (to be) published in Jan.2023

An anthology of short stories in Translation by sample populace (to be) published in Feb.2023

Suggestions by the expert:

Dr. Soumi Mary was appreciative of the pilot activities carried out over the last 6 months tenure. She applauded the innovative experiments using animations and the teleprompter tool (for reading enhancement). She pointed out an apparent deviation from the promise of following the MGU Common Course Syllabus for experimentation (as she was the subject expert during the second half-yearly meet too), as mentioned in the Research Proposal. It was conveyed to her that owing to comments from the research supervisor and ELT experts while seeking validity (as use of existing syllabus may hamper the learner at a worst case scenario) and on the basis of pilot studies conducted (with varying learner competencies), a floating test-syllabus will be run in order to facilitate "differentiated learning." This was agreed to by the external expert, Dr. Soumi Mary.

Name of the scholar: NuzhatUnneen

Guide: Dr. Priya K Nair

Title: Interrogating Postfeminsm: A Study of the Media Construction of Select Female Celebrity Images in India.

Work done so far: chapters are done. Conclusion and Bibliography left.

Comments of the External Expert: Satisfactory remark regarding progress.

Research Scholar: Chitra Tracy Johnson

Guide : Dr. Priya K. Nair

Working Thesis Title: Politics of Narration in Select Writings by Arab Women

I completed the draft of my four core chapters. Currently, I am reworking and editing the concerned chapters. I have also completed a research paper, which will be soon submitted to a UGC -care list journal.

Suggestions: The external expert did not specify any particular change or corrections. There was a brief discussion about the progress of work.

Research Scholar: Rose Taniya Joly

Guide : Dr. Priya K. Nair

Title of Research Work: The Politics of Erasure and Presencing: A Critical Enquiry into Select Dalit Texts in English Translation

Brief report on work done during the period

- Attended a webinar, an International Lecture Series on “Studies in Dissent and Protest” jointly organised by the Kerala State Higher Education Council and St. Thomas College, Thrissur on 10 th , 17 th , 20 th May 2022

- Participated in an international online workshop on “Academic Writing – Ethical Issues” organised by Global Institute of Statistical Solutions, from 18-20 June 2022

- Participated in a twelve-day National Online Workshop on “Trends in Books and Journal Publishing” organised by Archbishop Kavukattu Central Library, Assumption College, Changanacherry and the Postgraduate Department of Economics, Bishop Kurialacherry College for Women, Amalagiri in association with Lore & Ed Research Associates from 6-24 August 2022

- Participated in a two-day workshop on “Creative Writing, Translation and Publishing Entrepreneurship” organized by the Department of English and Research, K.E. College, Mannanam in collaboration with the School of Letters, Mahatma Gandhi University and the National Translation Mission, Government of India from 25-26 August 2022

Chapters completed: Nil

Research Scholar: Indu MS

Guide : Dr. Celine E

Topic: Mythical Cyclorama: A Reading of Indian Snake Myths

Progress: Working on Main chapters for the past six months, as a portion (Chinese Snake Myths) was excluded which was one of the main chapters in the thesis. Focusing on Snake Myths of North East tribes of India and Kashmiri Shaivism. Introduction chapter and theory chapter are almost complete.

External suggestions: Asked to read some latest articles of "Sarppakavu" (Sacred groves) tradition.

Research Scholar: Camilla Diana

Guide: Dr. Tessa Anthony C

Title: Deconstructing Territories: An Exploration on Alternative Sexualities on Selected Post Independence Indian English Drama

Progress: The researcher was working on the 4 th chapter focussing on the voice of resistance in the plays selected for the study.

Suggestion: The external resource person suggested to make a reading on the scope of the study.

Name of the Scholar – RenjithaReghunath

Guide: Dr. Tessy Anthony C

Title - Digital Literature and the Young Adult Fiction: A Study of Digital Media and the Multimodal Reading Experiences of the New Age Readers, with Specific Reference to Wattpad and Figment.

Progress: Chapter 1 – Introduction, Chapter 2 - Digitisation, New Media technology and the Multimodal Reading trends of the Young Adults & Chapter 3 Young Adult Identity

Chapters Completed – First chapter needs to be tweaked with change in the subgenres.

Comments/Suggestions – Focus on spatial and psychoanalytical theory in the chapter dealing with young adult reader identity.

Name of the Scholar – Sheelu Alex

Guide: Dr. Tessy Anthony C

Title: Re-negotiating Diasporic Identity: A Study of Select Novels of Amy Tan, JhumpaLahiri and Khaled Hosseini

Work progress: Editing in progress of the first 4 chapters

Suggestions of external expert: Asked on the economic stereotypes about the Asian Americans.

Research Scholar: Alicen Roshiny Jacob

Research Supervisor : Dr. Tessy Anthony C.

Topic - Gendered View of the Orient: A Study of the Nineteenth Century Travel Narratives by British Women on India

Progress: The research involves the analysis of the travel narratives by British women who arrived in India during the nineteenth century in various capacities, such as wives of officers, missionaries, travellers etc. using the lens of gender and postcolonialism.

Chapter divisions have been done. Work is underway.

Suggestions : to do the reading and writing simultaneously.





Department of Sociology

The Half-yearly Progress Report presentation of the Research scholars of the Department of sociology, St Teresa's college was held on 16th of January 2023, at Hall 1, Library. The session began at 10:30 a.m. with a warm welcome speech, by Dr. LibiaGladis N.P, the Head of the Department. The subject expert for the presentation was Dr. Shailendra Varma, Assistant Professor, The Zamorin's Guruvayurappan College, Kozhikode. The first presentation was delivered by Ms. AthiraSugathan on her research topic 'Marumakkathayam to Makkathayam in Malabar Region: A Structural Analysis.' It was followed by suggestions from the external expert. Suggested reworking certain terminologies used, to adopt the grounded theory approach. The next scholar to present was Mr. Sanjose Thomas. Presented the progress on his research work titled 'Development induced displacement and social disarticulation of displaced persons in Kerala with Special Reference to Nedumassery Airport Project'. The subject expert's comment was to look into the socio-spatial transformation as well as the economic aspect. Ms. Aswathi A presented her research work titled 'Socio-cultural life and Worship: A Sociological Analysis of Sacred Groves in Kerala'. To redefine objectives focusing mainly on sociological aspects of sacred groves and to focus on the geo-morphological changes were the suggestions from the side of the subject expert. Fr. Mohan Mathew's presentation was mainly a discussion on the objectives of his research titled 'The Changing Agrarian Social Structure and the Social Relations in Kuttanadu'. The suggestion by the expert was to restructure objectives. Ms. Sheela Abraham presented her research work, 'Religious communities, and Social Development- A study on Catholic Nuns in Kerala'. To rework objectives and focus on the social life of nuns was the suggestion by the expert. Mr. Dinu. K presented his research topic, 'Religious Conversion and Identity: Understanding the Determinants and Impacts of Dalit and Non-Dalit Conversion to PRDS'. The subject expert and the scholar discussed about the theoretical perspectives that need to be adopted. Ms. Avani J Nath's presentation was on the topic 'Social Vulnerability During Disaster- A Study Among Fishing Communities in Kerala'. The suggestion was to bring futuristic elements to the objectives. Three scholars were joined online. Ms. Alphonsa Kurian was the first to present. The suggestion on her topic of research 'Women Empowerment in Latin Christian Community: A Study on the Role of Caste, Geography, and Social Networks' was to give a theoretical definition for women empowerment. Ms. Sreelakshmi C.S presented her research titled 'Redefining Gender and Sexuality: A Sociological Deconstruction into the Lives of men who have Sex with Men (MSM) Identities'. The suggestions were to challenge the dispositions of respondents and also to look into how deconstruction can be employed as a methodology in her research work. The last scholar to present was Ms. Geethu P.G. on her

research titled 'Transworld: A Sociological Discourse on the Life and Experiences of Transgenders'. Suggested to rework on objectives, to make it more specific, and to focus on adopting a comparative study. The session was concluded by Dr. Shailendra Varma, the subject expert, quoting Bourdieu. He suggested adopting a non-conventional way of approaching sociology, to develop critical thinking before entering the research process. The suggestion and comments given to each scholar were insightful. A vote of thanks was proposed by Dr. Sajitha J. Kurup, Assistant Professor, Department of Sociology.

Department of Physics

The presentations of all the students were conducted on 13th January 2023. The external expert was Dr. Roby Cherian, Assistant Professor of Physics, Sacred Heart College Thevara. There were five students to present the work. The Head of the Department Dr. Priya Parvathy Ameena Jose, Prof. Dr. Kala M S, Dr. Santhi A, (Research guides of the Department) were present. The presentation started at 12.20 pm by Ms Anjali G, who provided details of her work on Engineered hybrid nanostructures for tailored applications done under the guidance of Dr. Kala M S. It was followed by Ms. Pravitha V who talked about the literature survey she conducted after the registration and preliminary works on Novel Hybrid Polymer Nanocomposites for EMI Shielding, again under the guidance of Dr. Kala M S.

Thereafter, the three students guided by Dr. Santhi A, presented the work they did during the previous six months. Their titles of presentations were as given. Mrs. Divya Rajan presented a study on the anticancer effect and invitrocytotoxic effect of hematite and its noble metal nanocomposites. Mrs. Minu Pius presented Photocatalytic Degradation of mixed dyes using zinc ferrite/ silver chloride/ silver nanocomposites and Mr. Meera Venugopal who just registered in April this year, was mainly focussing on literature survey and synthesis of Copper Nanoparticles for characterising them later using Thermal lens and Holography techniques. The external expert and also the teachers who attended this, gave useful feedback and suggestions for streamlining the work and also pointed out corrections that were required in the presented work. The whole program ended by 2.30 pm.



Department of Botany

Half Yearly presentations of the research scholars started at 1.30 pm and 11 scholars presented their research progress. Dr. Jaseela F., Assistant Professor and Research Guide, Dept. of Botany, Maharaja's College, Ernakulam served as the external expert. The following gives the details of the presentations.

1. Name of Scholar: Thomas Antony

Title of the work: Ethnobotanical studies of plants used in the treatment of livestock diseases by selected tribes of Kerala.

Name of Guide: Dr. Lizzy Mathew

The study revealed many plants which were commonly used for different ailments affecting livestock particularly cattle. Information related to the method of herbal preparation, mode of administration were collected. The collected data is being analyzed through use value (UV), informant consensus factor (Fic), fidelity level (FL) and relative importance (RI). Writing of the thesis also is in progress.

2. Name of Scholar: I K Nishitha

Title of the work: Phytochemistry and Cytotoxicity of selected Rhodophytes of Kerala Coast.

Name of Guide: Dr. Lizzy Mathew

Phytochemistry and Cytotoxicity of selected Rhodophytes of Kerala Coast.

Abstract: For the present work a field visit was carried out in January to Thikkodi coast and six specimens were collected. These have been identified using morphological characters and preserved for subsequent investigations. Further analysis to reveal their phytochemical compositions and chemical abundance are to be done. Extensive literature review on the distribution, phytochemical, pharmacological and economic utilisation of two genera, *Gelidium* and *Gracilaria* were done during this period.

3. Name of Scholar: Sheeba P T

Title of the work: Phytochemistry, Pharmacognosy and Biological Activity of Selected Species of *Annona* L.

Name of Guide: Dr. Elsam Joseph

The acetogenins of Annonaceae are known for their potent cytotoxic activity and they are the promising candidates of future generation's antitumoral drugs to fight against the current chemotherapy resistant tumors. Acetogenin fractions from selected plant species were identified using chromatographic studies and spectral studies using LC-MS. A large intra and inter-specific variability exists in the annonaceae family, as a result there is ample scope of studying genetic variation in *Annona* L. species. For primary screening, morphological characterization is effective and to trace genetic variation, molecular characterisation is essential. Phenotypic

variation of the accessions were analysed. Genotypic variation of the accessions are under progress.

4. Name of Scholar: GlaxyEsekel V.

Title of the work: Isolation and characterization of plastic degrading bacteria from plastic polluted water samples of Ernakulam district.

Name of Guide: Dr. Romilly Margaret Mendez

Pollution refers to the addition of contaminants or pollutants into the environment which adversely affects the quality of the environment. Environmental quality depends on the quality of water and soil because of their importance in sustaining life. Ernakulam is a district of Kerala, India. Situated in the central part of that state. Spanning an area of about 2,407 km², Ernakulam

district is home to over 12% of Kerala's population. Ernakulam district includes Kochi city, which is known as the commercial capital of Kerala. Plastic pollution is a major problem facing

by all over the world recently. Due to over population in Ernakulam, the use of plastic remains higher extent. The concern study is focusing to isolate and characterize plastic degrading bacteria from the plastic polluted water samples of Ernakulam district.

5. Name of Scholar: Athira R. K. Nair

Title of the work: Phytochemical characterization and bioprospecting of *Medinilla beddomei* Cl.

Name of Guide: Dr. Elsam Joseph

In the present study, in-vitro antioxidant activities of the acetone and methanol extract of *M. beddomei* were evaluated using three in-vitro assays, viz 2,2-diphenyl-1 picrylhydrazyl (DPPH), NO * radical scavenging activity and hydroxyl radical scavenging activity. The highest DPPH, hydroxyl and Nitric oxide radical scavenging were shown by the acetone leaf extract of *M. beddomei* with an IC 50 values like 94.68±3.6, 163.46±0.98 and 132.12±2.94 µg/ml respectively. The study indicated that *M. beddomei* showed increasing radical scavenging activities corresponding to the concentration of the extract and the solvent used for extraction. The presence of the secondary metabolites like phenol, flavonoids and terpenes have contributed to this radical scavenging activities.

6. Name of Scholar: Akhila George

Title of the work: Phytochemical Screening and Nutraceutical Potentials of Selected Species of Citrus in Kerala

Name of Guide: Dr. Elsam Joseph

Green synthesis nanoparticles and Characterization of the synthesized samples was carried out by UV-VIS Spectroscopy, FTIR, XRD, and SEM analysis. Antimicrobial studies of the silver nanoparticles were also done.

7. Name of Scholar: Joycy Varghese V.

Title of the work: Bioprospecting of selected varieties of *Colocasia esculenta* (L.) Schott.

Name of Guide: Dr. Elsam Joseph

Colocasia esculenta (L.) Schott is a widely cultivated plant for consumption. It is majorly cultivated in Southeast Asia. From this species, a wide range of chemical compounds have been isolated for example, flavanoids, B-sitosterol, steroids, etc. Various parts of *Colocasia esculenta* are used traditionally to treat number of diseases. Extracts from this plant have been found to possess various pharmacological activities. During these six months, antioxidant studies were completed. Based on the antioxidant IC50 value, methanolic leaf extract of four varieties were selected for anti-inflammatory and anticancer study.

8. Name of Scholar: Smitha Thomas

Title of the work: Plant growth promoting Rhizobacteria of selected vegetables in Kerala and its molecular characterization.

Name of Guide: Dr. Lizzy Mathew

In the present study, the growth enhancement of PGPR bacteria isolated from the agricultural soils of various districts of Kerala, India was investigated. The bacteria isolated by agar screening method were applied in soil for yield. In-vitro studies on effect of selected PGPR (P1 to P9) bacteria for growth parameters of *Vignaradiata* (L.) & PGPR - P8 - bacteria on growth parameters of *Brassica nigra* (L.) were done. Vigour Index was calculated. Statistical analysis were carried out.

9. Name of Scholar: Drisya K. Reghuvaran

Title of the work: Bioprofiling and Bioassays of the genus *Polygala*, 1.in south india.

Name of Guide: Dr. Lizzy Mathew

Its *rbcl* and *cox* sequences of *polygala arvensis* & *polygala paniculata* were studied

1. Its (internal transcribed spacer) sequencing an amplicon sequencing method for studying Phylogeny and taxonomy. Here we explored the possibility of *its1* af and *its4*r primers for Amplification.

2. *Rbcl* sequencing is an amplicon sequencing method for studying phylogeny and taxonomy. Here we explored the possibility of *rbcl f* and *rbcl r* primers for amplification

3. *Cox* cytochrome c oxidase sequencing is an amplicon sequencing method for studying Phylogeny and taxonomy. Here we explored the possibility of *cox1-f* and *cox1-r* primers for Amplification.

10. Name of Scholar: Michael Thomas

Title of the work: Ecological Assessment of the diversity of Vascular Flora of Pothempuzha – Valiyakavu forest area.

Name of Guide: Dr. Krishnaraj M. V.

11. Name of Scholar: Remya R

Title of the work: Reproductive Biological studies in selected Legume Tribes: Crotalariaeae, Indigoferaeae and Dalbergieae – Kerala

Name of Guide: Dr. Krishnaraj M. V.

Department of Economics

The Post Graduate Department of Economics, St. Teresa's College, has ten research scholars with distinctive research topics. They presented a brief review of their progress in research in the presence of the external expert, Dr. M. S. Madhusudhanan Nair, Associate Professor, Economics Sacred Hearts College, Thevara. The session started at 11.30 am, Dr. Mary Liya, Head of the Department of Economics delivered the welcome speech. The research guide Dr. Thushara George, Associate Professor, Economics Dept. was present for the presentation of research scholars. Every presentations were evaluated and valuable comments were given by the experts. The entire session was concluded at 1.30 pm and vote of thanks was proposed by Dr. Mary Liya, Assistant Professor and Head of the Department of Economics, St. Teresa's College.

Guide : Dr. Nirmala Padmanabhan

A brief report on work done and suggestions by external expert regarding each topic are summarized below:

1) Ms. Naseera Kuttasseri : Topic- Gender Responsive Budgeting In Local Bodies In Kerala

Research progress presented:

- Prepared the first 4 chapters
- Completed data collection and started analysis
- Published a paper in UGC care list journal
- Presented a paper in an international conference

No major suggestions was made by the external expert, but queried about input /output frame work

2) Ms. Karthika K: Topic- Economics Of Palliative Care- A Study On Cancer Related Home Based Care

Research progress presented:

- Drafted first three chapters
- Prepared and standardized the schedule for primary survey
- Started Primary survey
- Published a paper
- Presented a paper in an international conference

Ø External expert raised query on

- a. How to measure economics of palliative care?
- b. How to calculate Time use

3)Ms. Tresa Betsy: Topic – Geriatric Care services in Kerala; Pattern of Expenditure and Effectiveness of Institutional Mechanisms with Special Reference to Palliative Care.

Research progress presented:

- Prepared first three chapters
- Standardized schedule for primary survey
- Started primary data collection.
- Ongoing primary survey
- Presented a paper titled “Coping up with the elderly ; Practices initiated for Healthy Ageing in Kerala” in an international Conference on Ageing Well.

External expert commented to decide the sample units carefully and asked about the selection Process of sample institutions.

4)Ms. Aswathy MJ: Topic – Generation And Management Of Waste By Houseboats In Alappuzha District

Research progress presented:

- Completed first four chapters
- Completed sample survey and waste audit

External expert raised a query on methods of houseboats waste management and also questioned how 281 sample size was defined

5)Ms. Amala Johnson: Topic – Decentralized Solid Waste Management in Kerala: A Case Study of Selected Local Bodies.

(Absent for progress presentation)

Guide : Dr. Thushara George

This report summarizes Ph.D. research progress of the Scholars in the department of Economics. They stated objectives, success in attaining objectives, research output and results, publications, conference attendance, etc. In addition, it allows the student and his/her supervisor the opportunity to identify achievable targets for the coming six months.

1. Scholar Name: Mary Clarat K.P.

Topic: Performance of Mutual Funds in India: A Scheme wise and Sector Wise analysis

U/O No. 291/2019 613/AC A 10/2019/MGU

Progress

Second paper “a comparative study on Systematic Investment Plan and One Time Investment Plan in Mutual Funds” is almost ready for publishing.

Identified the sources of data for the first two objectives. Decided the chapter scheme of the research study. Review of the external expert External expert was satisfied with the progress of the research work He was a little doubtful about the collection of the primary data to complete the third objective, ie., the investors perception about the mutual fund. Moved to Objectives. Expert suggested to participate the workshops or investors meets organised by different mutual funds and collect the details of the participants from whom the primary data can be collected. He advised to use judgement sampling or snow ball sampling method for the same.

2.Sudheesh P.N.

Topic: Market Concentration and Performance of Life Insurance Industry in India.

U/O No : 289/2019, 613/AC A 10/2019/MGU.

Going through Review of literature

finished Chapter 2 (Overview of Life Insurance industry in India)

Moved to Nxt Chapter

Next paper publication work is almost over

Attending various Webinars....

3. Tom Pious

NBFCs In Kerala: A Study of Financial Penetration and Asset Liability Condition

U/O No. 290/2019,6613/AC A 10/2019/MGU

The sixth half year presentation contained the details of the chapters submitted to the research guide. This included the draft of the 'review of literature' chapter, the draft of 'overview of the NBFCs in India' chapter and the details of the first chapter was presented orally. Various tools and indexes which would be useful for the analysis were presented.

The suggestions of the committee are as follows

Focus more on objective part

'First chapter dilemma' can be addressed well at the last stage of study

Time bound action is needed to complete the study

The results of the survey and the objective wise presentation is expected next time.

4.Pranaya. S Kumar

Foreign Direct Investment: A Study on the Retail sector in India

U/O No. 292/2019613/AC A 10/2019/MGU

vReview of literature is going on.

vData Collection Goin on

vPaper publication on "Customer Perception of organised

5.Eljo Joseph T

Registration U.O No.: 3861/AC A 10/2022/MGU

Topic:

An Empirical Analysis of Trends, Patterns and Impacts of Foreign Exchange Reserves in India

Comments

1. Change in title – In the title of the work, instead of ‘impacts’ it is better to use ‘impact’.
2. Availability of data – Regarding data related to external debt, expert asked to check why data is not available before 2000. Specific reason must need and it should be included as note.
3. Learn mathematical tools – For the convenience of analysis, a good understanding of various mathematical tools are necessary.



WEBINAR ON RESEARCH ETHICS

TOPIC: WEBINAR ON RESEARCH ETHICS

DATE: 16-02-2023

TIME: 1:30 TO 3:30

MODE: ONLINE

RESOURCE PERSON: MR. V.SRIRAM, CDS, THIRUVANANTHAPURAM



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Teresian Research and Consultancy Cell (TRACC)
Organizes

WEBINAR ON RESEARCH ETHICS

16TH FEBRUARY 2023
1.30PM
Google Meet Platform

PROGRAMME SCHEDULE

Welcome speech: Dr. Tania Mary Vivera
Keynote address: Mr. V. Sriram
Vote of Thanks: Dr. Leena Leon

ORGANIZING COMMITTEE

Dr. Elsam Joseph
Dr. Dhanya N
Dr. Santhi A
Dr. Ursala Paul
Dr. Mariyam Thomas
Dr. Leela P U
Dr. Elizabeth Kuruvila
Dr. Arya P Mohan

SPEAKER



MR. V. SRIRAM
Chief Librarian, K. N. Raj Library,
Centre for Development Studies,
Thiruvananthapuram, Kerala.

PATRONS

Rev. Dr. Sr. Vinitha CSST (Manager)
Rev. Dr. Sr. Emeline CSST (Director)
Dr. Alphonsa Vijaya Joseph (Principal)

TRACC COORDINATORS

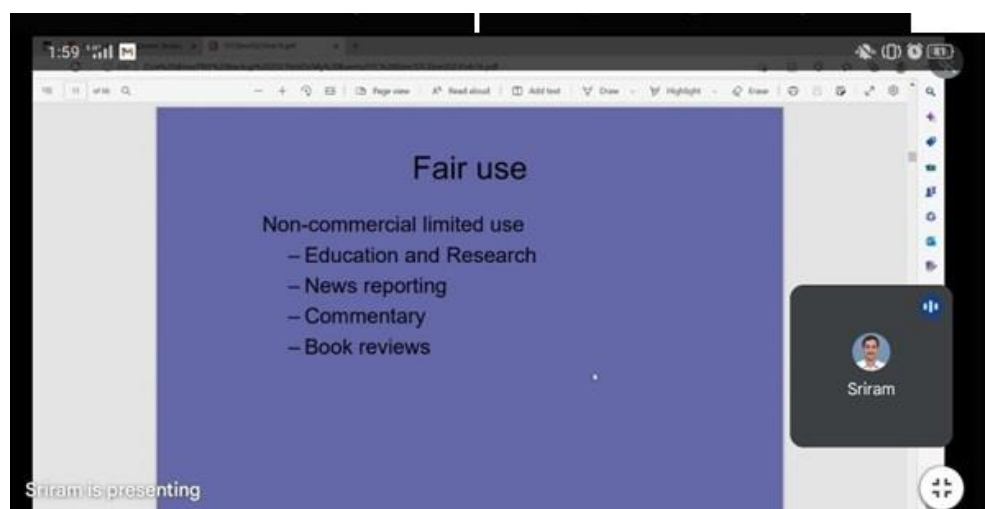
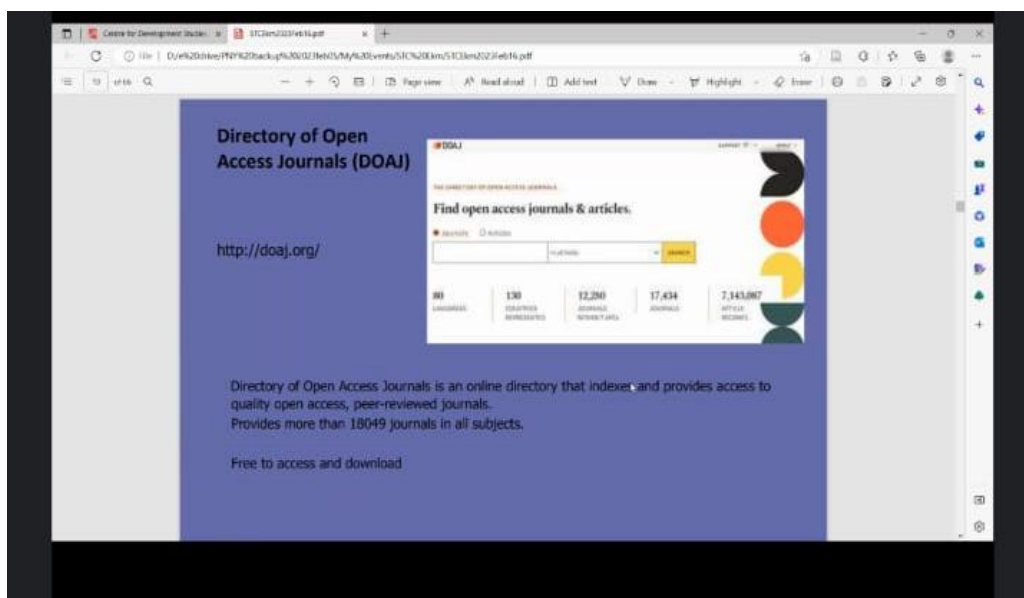
Dr. Jaya T. Varkey
Dr. Thushara George

CONVENORS

Dr. Leena Leon
Dr. Tania Mary Vivera

The webinar was organised by Teresian Research and Consultancy Cell (TRACC) Ernakulam, on 16th February 2023. The webinar started at 1:30 pm Dr. Tania Mary Vivera welcomed the resource person. She introduced Mr. V. Sriram, chief librarian, K.N. Library, Centre for Development studies Thiruvananthapuram to the gathering.

The main contents of the webinar included Intellectual property rights, Copyrights, Open access information sources and Plagiarism checking. The resource person explained the topic very well gave insight about two types of copyright, which are Economic rights and Moral rights. Informative sites like swayam prabha and Shodhganga was also introduced to us. This informative session completed at 3:30 by vote of Thanks proposed by Dr. Leena Leon, Assistant professor, Department of Home Science.



The image displays three sequential screenshots of a presentation slide, each overlaid with a video call window for a participant named Sriram. The presentation is viewed in a PDF viewer application.

Slide 10: Copyright

- Economic rights *Can be transferred or reassigned*
 - Royalty
 - Sale, etc.
- Moral rights *Cannot be transferred. It remains always with the author.*
 - Personal rights of owner
 - Integrity
 - Attribution

Slide 12: Open Access

- Protest against exploitation by publishers
- New movement to provide free access of knowledge to all.
- OA Resources
 - Books
 - Journals
 - Video
 - Images
 - Data

Slide 9: Copyright

- Copyright is the legal right to intellectual content in any form
- The owner holds the exclusive right to make multiple copies of the work
- It protects the owner by preventing others from illegally reproducing the work in any format.
- Protection is given to authors, performers, producers, artists, etc. To stimulate their creativity.
- Any mature society should protect and nurture the creativity and safeguard culture.
- Copyright thus leads to growth and development of the country.

Each screenshot includes a video call window for Sriram, a toolbar with various editing tools, and a status indicator at the bottom left that reads "Sriram is presenting".