



MAR THOMA COLLEGE FOR WOMEN PERUMBAVOOR

3.2.2 Number of Workshops, Seminars, Conferences Including on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship Conducted During Last Five Years



CRITERION 3

RESEARCH, INNOVATIONS AND EXTENSION

2017-2018



3.2.2 Number of Workshops, Seminars, Conferences Including on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship Conducted During Last Five Years

Sl. No	Name of the Workshop/ Seminar	Nature of Programme	Number of Participants/ Beneficiaries	Organising Department	Date From – To	Page No
1	Mathematics in Tejas Designs	Research Methodology	111	Mathematics	4/01/ 2018	4
2	Some Research Concepts	Research Methodology	38	Mathematics	2/12/2017 – 3/12/2017	13
3	Frontiers of Nanotechnology	Research Methodology	50	Physics	8/8/2017 - 9/8/2017	19
4	Science Lecture	Research Methodology	49	Physics	22/1/2018 - 23/1/2018	26
5	The Research Design: Planning and Implementation	Research Methodology	18	Zoology	12/07/2017	32
6	Introduction to Research Methodology	Research Methodology	22	Zoology	23/06/2017 – 24/06/2017	36
8	Identifying Sources Expectation and Challenges	Research Methodology	65	History	16/11/2017	41

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Principal - in - charge
Mar Thoma College For Women
Perumbavoor - 683 542



3.2.2:

***Number of Workshops, Seminars,
Conferences Including on Research
Methodology, Intellectual Property
Rights (IPR) and Entrepreneurship
Conducted During Last Five Years***



Mathematics in Tejas Designs

Title of the Programme	Mathematics in Tejas Designs
Organizing Department	Mathematics
Name of the Coordinator	Dr. Annie Kurian K., Associate Professor & Head, Department of Mathematics, Mar Thoma College for Women, Perumbavoor
Resource Person	Dr.(Ms) Indira Narayanaswamy, Research Professor, RUAS, Bangalore
Date and Year	4/01/ 2018
Venue	Conference Hall
Duration	2 Sessions
Number of Participants	111
Objectives	<ul style="list-style-type: none"> • To provide an interactive forum for the participants to discuss the significance of Mathematics at various stages in Tejas Design • To get practical knowledge on the use of optimization algorithms
Outcome	<ul style="list-style-type: none"> • The students were able to analyze the mathematical concepts in designing TEJAS aircraft



Report

Department of Mathematics, Mar Thoma College for Women, Perumbavoor had organized a national seminar for students and faculty on 'Mathematics in Tejas Design' on 4th January 2018. The program was started with the prayer song, followed by the formal welcome by Dr. Annie Kurian K, HoD, department of Mathematics. The presidential address was delivered by Dr. Lisy Cherian (Principal). The seminar was attended by 111 students and 8 faculty members. Dr. Indira Narayanaswamy, Research Professor, Ramaiah University of Applied Sciences, Bangalore was the resource person.

In the first session the topic Mathematics in Tejas Design was discussed. A brief introduction on the historical growth of Indian aviation industry, showcasing the indigenous efforts for fighter aircraft development, in particular HF 24- MARUT and HF 25, followed by the conceptualization of LCA (Light Combat Aircraft) program, were presented. A short overview of LCA, christened as TEJAS, would highlight the significant applications of Mathematics in its design at various stages. The second session starts with the discussion about Design Optimization of transport aircraft wing. After a brief mention of the Basic theory in Optimization (gradient based as well as Genetic Algorithm based), a typical case study of the wing design of a civil transport aircraft were discussed using genetic Algorithm.

The sessions were concluded by listing some applications of Aerodynamics followed by the open house discussion. The program was ended with vote of thanks by Jayalakshmi R Kartha.



Dear Sir,

The Department of Mathematics, Mar Thoma College for Women, Perumbavoor is organizing a National Seminar on "**Mathematics in Tejas Design**" during January 4, 2018. The main objective of the Seminar is to provide an interactive forum for the participants to discuss the significance of mathematics at various stages in Tejas design.

We cordially invite you and request your valuable presence in this programme.

Perumbavoor 2 - 01- 2018	Dr. Annie Kurien K. HOD	Dr. Lisy Cherian Principal
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About us

Mar Thoma College for Women, Perumbavoor established in 1982, the dream child of the late Rt. Rev. Thomas Mar Athanasius Suffragan Metropolitan of the Mar Thoma Syrian Church is a College affiliated to Mahatma Gandhi University, Kottayam with faculties of Science, Arts and Commerce. The Department of Mathematics came into existence in 1991. It became a Post Graduate Department in 2013 with the introduction of M.Sc. Mathematics course. Right from its inception, the Department has been doing yeoman service in the development of young women by providing quality education, wedded with spiritual & moral values.

About the Programme

The programme includes two sessions under the leadership of **Dr. Indira Narayanaswamy**, Research Professor, RUAS, Bangalore. The first session deals with historical growth of Indian aviation industry, showcasing the indigenous efforts for fighter aircraft development, in particular HF 24- MARUT and HF 25, followed by the conceptualization of LCA (Light Combat Aircraft) program, is presented. A short overview of LCA, christened as **TEJAS**, would highlight the significant applications of Mathematics in its design at various stages.

The second session handles the design optimization of transport aircraft wing. After a brief mention of the Basic theory in Optimization (gradient based as well as Genetic Algorithm based), a typical case study of the wing design of a civil transport aircraft is discussed using genetic Algorithm.

Registration

Interested students, teachers and research scholars can participate in the seminar. There is no Registration fee. Those who wish to participate may contact: 9446517525 or send a mail to shiriykmj@yahoo.in

Figure 1: Brochure of the Programme





Figure 2: Dr Indira delivering Lecture





Figure 3: Photograph of the Programme



List of Participants

Sl. No.	Name of participants
1	ADHEENA VARGHESE
2	AHILA HARI
3	ANAGHA V. R
4	ANAKHA JOSE
5	ANJALI VALSAN
6	ANJALY SIVADASAN
7	ANN MARY SANTY
8	ANSY SEBASTIAN
9	ASHITHA KAREEM
10	ASHNA ARAMTHURUTHIL KOYAN
11	ASNA K. A
12	ATHIRA VENUGOPAL
13	DEEPTHI RAJENDRAN
14	DONA MARIYA JOY
15	DONIYA LAIJU
16	GANALATHA
17	GREESHMA KRISHNAN
18	GREESHMA RAJAN
19	INARANI
20	JEBNA K JALEEL
21	KEERTHY RAJENDRAN
22	LINNY BENNY
23	NOEL KURIEN
24	PARVATHY V.G
25	PRAVEENA P.S
26	RAHMATH T.A
27	RAMLATH C.P
28	RAMSEENA P.A
29	RUSHDA V.A
30	SHAHANA C.K
31	SOYA JOY



32	SREELAKSHMI T.R
33	SUSAN VARGHESE
34	SULFATH
35	THAFCIYAMOL T.A
36	AMRITHA T S
37	ANAGHAMOL P U
38	ATHULYA BALAN
39	JOMOL JOY
40	MARIA THOMAS
41	NAYANA ASOKAN
42	ROSEMOL M SUNNY
43	SETHULAKSHMI K M
44	SHONCY SANTHOSH
45	SUMAYYA VEERAS
46	THASNEEM P S
47	AMI LIYANA U M
48	ANAKHA K P
49	ANNA PAUL
50	ANUSHA K B
51	APARNA A FRANCIS
52	ASHNA SALIM
53	DISNA XAVIER
54	EHUSANA K B
55	ELSA FRANCIS
56	FARZANA P G
57	FATHIMA M S
58	JOMOL BABU
59	NAUJATH V M
60	ALISHUBA P A
61	ANAGHA DAS
62	ANAGHA RADHAKRISHNAN
63	APARNA S KARTHA
64	ELVI VARGHESE
65	JAYALAKSHMI R KARTHA
66	JELITTA THOMAS



67	LINCY MATHEWS
68	MALU MATHEW
69	MANJU A K
70	MEENU PRINCE
71	NEETHU NALINAKSHAN
72	PRIYA BABU
73	RANJITHA V S
74	SILPA SATHYAN
75	ALEENA VARGHESE
76	ALIN BABY
77	ANJALI JAYAN
78	ANJALY JOHNY
79	ANU A A
80	ASHMA NAZRIN A N
81	K A HALEEMA
82	KHADEEJA BEEVI P M
83	RIYA RACHEL SHAJI
84	SALINI L
85	SHILPA SHAJI
86	AMALA MATHEW
87	ANJU ELDHO
88	ASWATHY S
89	ATHIRA C PRAKASH
90	FEMY ANNA VARGHESE
91	GIFTY DOMANIC
92	IRFANA ISMATH K J
93	JOSEFINA JOSEPH
94	JYOTHIS EAPEN
95	KRISHNAPRIYA M R
96	NAFSIYA C B
97	RESHMA K K
98	SREELAKSHMI T A
99	WILSY MARIAM PHILIP
100	ANCY JOSE
101	ANIJA JOSHY
102	ANJU M RAPHEL
103	ARCHANA K S



104	ATHIRA K S
105	DINI DAVIS
106	JAIKY PAUL
107	MAJIDA KABEER
108	MALAVIKA K V
109	SAJEERA EBRAHIM
110	SOMIYA MATHEW
111	SOUMYA SUDHAKARAN



Some Research Concepts

Title of the Programme	Some Research Concepts
Organizing Department	Mathematics
Resource Person	Dr. Gigi George, Associate Professor, Mar Thoma College, Perumbavoor
Date and Year	2/12/2017– 3/12/2017
Venue	Room No. 114
Duration	Two Days
Number of Participants	38
Objectives	<ul style="list-style-type: none"> • To study the importance of effective communication • To equip the students with good writing skills, and time management in research, • To provide tips on how to improve their skills
Outcome	<ul style="list-style-type: none"> • The students gained a solid understanding of various research concepts, methods, and techniques used in Mathematical and Statistical research



Report

The Department of Mathematics organized a two-day workshop on “research concepts” on 2 to 3 December 2017. The resourceperson for the programme was Dr. Gigi George, Associate Professor, Mar Thoma College, Perumbavoor. The workshop was aimed at helping students and researchers understand various research concepts, methods, and techniques used in mathematical and statistical research. The workshop was attended by over 50 participants, including undergraduate and graduate students, faculty members, and researchers from various institutions.

The first day of the workshop started with an introduction to research and the scientific method. The speaker highlighted the importance of formulating research questions, hypotheses, and objectives, and how to develop a research plan to achieve these objectives. The workshop then proceeded to discuss various research designs, including experimental and non-experimental designs, and their strengths and weaknesses. After a lunch break, the workshop continued with a discussion of various data collection methods, including surveys, interviews, and observation. The speaker also highlighted the importance of ethical considerations in research, such as obtaining informed consent and protecting the confidentiality of participants.



The afternoon session focused on statistical concepts and techniques, including descriptive and inferential statistics, hypothesis testing, and regression analysis. The speaker provided examples of how these methods are used in various fields, including medicine, economics, and psychology.

The second day of the workshop focused on more advanced topics in research, including meta-analysis, content analysis, case study research, and ethnography. The speaker highlighted the advantages and limitations of these methods and provided examples of how they have been used in various fields of research.

The workshop then proceeded to discuss some of the open problems in mathematics, including the Riemann Hypothesis, Birch and Swinnerton-Dyer Conjecture, and P versus NP problem. The speaker explained these problems in simple terms and provided some background on the progress made in solving them. In the afternoon session, the workshop concluded with a discussion of some practical tips for conducting research. The speaker emphasized the importance of effective communication, writing skills, and time management in research, and provided tips on how to improve these skills.

Overall, the two-day workshop on research concepts was a great success, providing participants with a solid understanding of various research concepts, methods, and techniques used in mathematical and statistical research. The workshop also provided participants with the opportunity to interact with experts in the field and exchange ideas with other participants. The organizers hope to organize similar workshops in the future to help more students and researchers enhance their research skills.





**MAR THOMA COLLEGE FOR WOMEN,
PERUMBAVOOR**
(Affiliated to MG university, Kottayam
Accredited by NAAC with B+ grade)

Department of Mathematics
Two days Workshop on

SOME RESEARCH CONCEPTS

Resourse Person,
Dr.Gigi George

Dates: 03/12/2017 &
04/12/2017
Venue: Room No. 114
Time: 9:30AM



Dr.Gigi George
Associate Professor,
Department of Mathematics

Figure 2: Brochure



List of Participants

Sl No	Name of the student
1	ALISHUBA P A
2	ANAGHA DAS
3	ANAGHA RADHAKRISHNAN
4	APARNA S KARTHA
5	ELVI VARGHESE
6	JAYALAKSHMI R KARTHA
7	JELITTA THOMAS
8	LINCY MATHEWS
9	MALU MATHEW
10	MANJU A K
11	MEENU PRINCE
12	NEETHU NALINAKSHAN
13	PRIYA BABU
14	RANJITHA V S
15	SILPA SATHYAN
16	ALEENA VARGHESE
17	ALIN BABY
18	ANJALI JAYAN
19	ANJALY JOHNY
20	ANU A A
21	ASHMA NAZRIN A N
22	K A HALEEMA
23	KHADEEJA BEEVI P M
24	RIYA RACHEL SHAJI
25	SALINI L
26	SHILPA SHAJI
27	ANCY JOSE
28	ANILA JOSHY
29	ANJU M RAPHEL
30	ARCHANA K S
31	ATHIRA K S
32	DINI DAVIS
33	JAISY PAUL
34	MAJIDA KABEER
35	MALAVIKA K V
36	SAJEERA EBRAHIM



37	SOMIYA MATHEW
38	SOUMYA SUDHAKARAN



Frontiers of Nanotechnology

Title of the Programme	Frontiers of Nanotechnology
Organizing Department	Physics
Name of the Coordinator	Dr. Anupama P (Convenor)
Resource Person	Prof. MR Anantharaman, Professor, UGC BSR Fellow, Dept. of Physics, CUSAT
Date and Year	8/8/2017 to 9/8/2017
Venue	Conference Hall
Duration	Two Days
Number of Participants	50
Objectives	<ul style="list-style-type: none"> • To study development of nanomaterials and their applications • To gain insights into cutting-edge research and advancements in the field • To engage in meaningful discussions, seek clarification, and share their own research findings
Outcome	<ul style="list-style-type: none"> • The students gained a deeper understanding of the latest advancements, emerging trends, and potential applications of nanotechnology in various sectors

Report



The Department of Physics at Mar Thoma College for Women, Perumbavoor, organized a two day National Seminar on "Frontiers of Nanotechnology." The seminar, which was sponsored by the University Grants Commission (UGC), aimed to explore the latest advancements and research in the field of nanotechnology. The event took place from August 8, 2017, to August 9, 2017, at the conference hall of Mar Thoma College for Women.

The seminar witnessed the participation of teachers and research scholars from various institutions across the country. The esteemed resource person for the event was Prof. M. R Anantharaman, a renowned expert in the field of nanotechnology and a Professor at the Department of Physics, Cochin University of Science and Technology (CUSAT). Prof. Anantharaman holds the UGC BSR Fellowship and has made significant contributions to the field of nanotechnology through his research and publications. Dr. Anupama P, faculty member of the Department of Physics at Mar Thoma College for Women, served as the coordinator for the seminar. Her efforts and dedication ensured the smooth organization and execution of the event.

Dr. TN Narayan, Associate Professor, Tata Institute of Fundamental Research (TIFR), Hyderabad: Dr. Narayan is a highly accomplished researcher with expertise in nanotechnology. His contributions to the field are widely recognized, and his presence at the seminar provided attendees with the opportunity to learn from his wealth of knowledge and experience.

Dr. Thomas Varghese, Associate Professor, Nirmala College, Muvattupuzha: Dr. Varghese, an esteemed academician, has made significant



contributions to the field of nanotechnology. With his expertise and research background, he shared valuable insights into the latest trends and advancements in the field.

Dr. MM Shaijumon, Associate Professor, Indian Institute of Space Science and Technology (IISE), Trivandrum: Dr. Shaijumon is a renowned expert in the field of nanotechnology and has contributed significantly to the development of nanomaterials and their applications. His presence at the seminar provided an opportunity for participants to gain insights into cutting-edge research and advancements in the field.

Throughout the two-day seminar, the speakers delivered insightful lectures, highlighting various aspects of nanotechnology and its applications. They discussed topics such as nanomaterials, nanofabrication techniques, nanoelectronics, nanomedicine, and nanophotonics, among others. The sessions were interactive, allowing participants to engage in meaningful discussions, seek clarification, and share their own research findings.

The seminar successfully achieved its objective of disseminating knowledge about the frontiers of nanotechnology and promoting interdisciplinary collaboration. Participants gained a deeper understanding of the latest advancements, emerging trends, and potential applications of nanotechnology in various sectors.



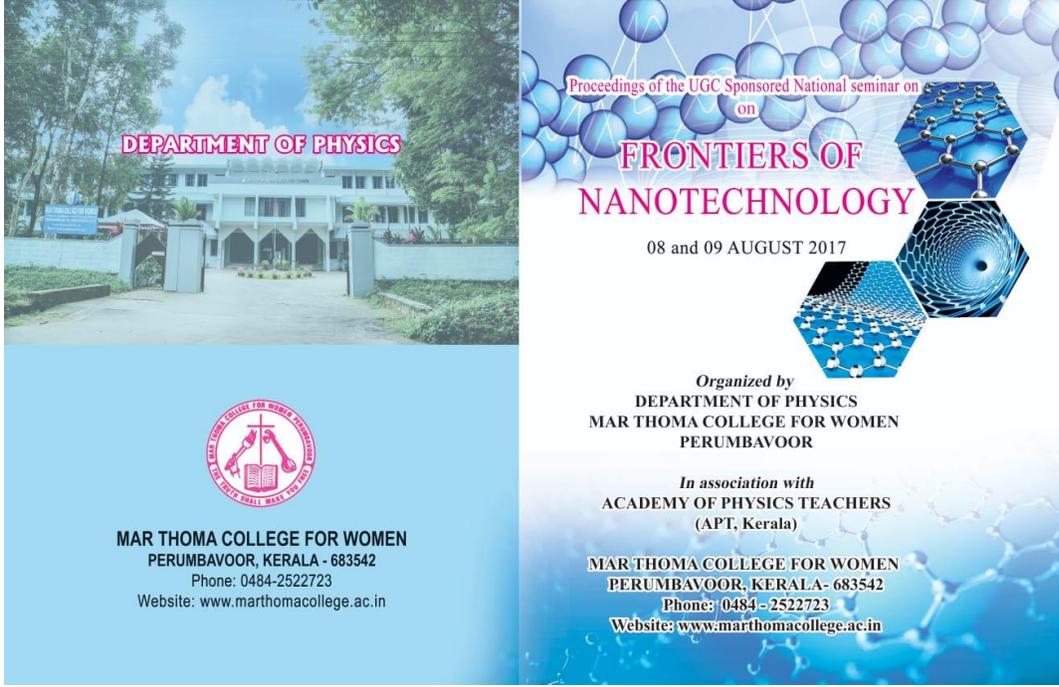


Figure 3: Brochure



Figure2: Photograph of the Lecture





Figure 3: Students attending the programme



Figure 4: Inauguration of the programme

List of Participants



Sl. No	Name of the student
1	Jiya Eldho
2	Megha Manoje
3	Nimmy Joseph
4	Ginisha Mol C S
5	Afna Jaffer
6	Merin Joy
7	Bhagyalakshmi Unnikrishnan
8	Blessy Mathew
9	Keerthana Shaji
10	Jifna Varghese
11	Jeena Johny
12	Aswathi Sasi
13	Greeshma Eldho
14	Sreelakshmi S
15	Aarya H Kartha
16	Sandra Krishna
17	Jaseela K S
18	Shifana E S
19	Saira Abraham
20	Beemamol M H
21	Aiswarya Muraleedharan
22	Arathy Sukumar
23	Ammu Babu
24	Anjana K S
25	Anupama Ravikumar
26	Anju T M
27	Remya Sathyan
28	Binitta B Arackal
29	Afnitha Kareem
29	Ameera Rasheed
30	Bintu Maria Paul
31	Ancy Mary Sunil
32	Akshaya Sathyan
33	Aarya H Kartha
34	Sandra Krishna
35	Lint Jose
36	Aneeja George
37	Arya Sivan



38	Annmariya Philip
39	Aksa Jose
40	Arsha S Kumar
41	Jinu John
42	Jeny Rose Job
43	Varsha M Vijay
44	Haseena
45	Devika
46	Kishnendu
47	Anjana Ajith
48	Niya Merrin Mathew
49	Dona Mariam Roy
50	Prasthutha Pavithran



Science Lecture

Title of the Programme	Science Lecture
Organizing Department	Physics
Name of the Coordinator	Dr. Rajani Jacob(Staff Coordinator)
Resource Person	Prof. VPN Nampoory, International School of Photonics, CUSAT, Kochi
Date and Year	22/1/2018 to 23/1/2018
Venue	Conference Hall
Duration	2 sessions
Number of Participants	49
Objectives	<ul style="list-style-type: none"> • To develop deeper into scientific research • To pursue scientific research and explore the vast potential of scientific advancements • To develop a keen interest in science and explore the opportunities available
Outcome	<ul style="list-style-type: none"> • The students were able to explore the vast potential of scientific advancements

Report

The Department of Physics at Mar Thoma College for Women, Perumbavoor, organized a two-day seminar titled "Science Lecture" as part of



Science Day celebrations. The seminar aimed to promote scientific knowledge and create awareness among students and faculty members about the latest advancements in the field of science. The event took place on January 22, 2017, and January 23, 2018, at the conference hall of Mar Thoma College for Women.

The seminar featured a distinguished resource person, Prof. VPN Nampoori, from the International School of Photonics, Cochin University of Science and Technology (CUSAT), Kochi. Prof. Nampoori is a renowned expert in the field of photonics and has made significant contributions to the study and application of light-based technologies. His presence as the resource person added immense value to the seminar and provided participants with the opportunity to learn from his expertise. The seminar was attended by students, faculty members, and researchers from various disciplines within the college. Prof. Nampoori delivered insightful lectures on various scientific topics, including photonics, lasers, and their applications. His presentations were engaging and provided participants with a deeper understanding of the subject matter.

The seminar also included interactive sessions where participants could ask questions, seek clarification, and engage in discussions with Prof. Nampoori. These sessions facilitated an exchange of ideas and encouraged students to explore scientific concepts further. The Department of Physics at Mar Thoma College for Women demonstrated its commitment to promoting scientific research and fostering academic excellence through the organization of this seminar. The Science Day celebrations served as a platform for students to develop a keen interest in science and explore the opportunities available in scientific research. The presence of Prof. VPN Nampoori from the International School of Photonics, CUSAT, Kochi, further enhanced the seminar's quality and provided participants



with valuable insights into the field of photonics and its applications. Prof. Nampoore's expertise and experience in the field inspired students to pursue scientific research and explore the vast potential of scientific advancements.

The two day seminar on "Science Lecture" successfully achieved its objective of creating awareness and promoting scientific knowledge among the participants. It left the attendees motivated and encouraged to develop deeper into scientific research and contribute to the advancements in their respective fields. Overall, the seminar was a resounding success, thanks to the active participation of students and the invaluable contributions of Prof. VPN Nampoore. The Department of Physics at Mar Thoma College for Women continues to nurture a passion for science and provides students with opportunities to explore the exciting frontiers of scientific research





Figure 1: Inauguration of the programme

List of Participants

Sl. No	Name of the student
1	Jiya Eldho
2	Megha Manoj



3	Nimmy Joseph
4	Ginisha Mol C S
5	Afna Jaffer
6	Merin Joy
7	Bhagyalakshmi Unnikrishnan
8	Blessy Mathew
9	Keerthana Shaji
10	Jifna Varghese
11	Jeena Johny
12	Aswathi Sasi
13	Greeshma Eldho
14	Sreelakshmi S
15	Aarya H Kartha
16	Sandra Krishna
17	Jaseela K S
18	Shifana E S
19	Saira Abraham
20	Beemamol M H
21	Aiswarya Muraleedharan
22	Arathy Sukumar
23	Ammu Babu
24	Anjana K S
25	Anupama Ravikumar
26	Anju T M
27	Remya Sathyan
28	Binitta B Arackal
29	Afnitha Kareem
29	Ameera Rasheed
30	Bintu Maria Paul
31	Ancy Mary Sunil
32	Akshaya Sathyan
33	Aarya H Kartha
34	Sandra Krishna
35	Linta Jose
36	Aneeja George
37	Arya Sivan
38	AnnMariya Philip
39	Aksa Jose
40	Arsha S Kumar
41	Jinu John
42	Jeny Rose Job



43	Varsha M Vijay
44	Haseena
45	Devika
46	Kishnendu
47	Anjana Ajith
48	Niya Merrin Mathew
49	Dona Mariam Roy



The Research Design: Planning and Implementation

Title of the Programme	The Research Design: Planning and Implementation
Organizing Department	Zoology
Resource Person	Ms. Reemy Sara Mathai, Assistant Professor, Dept of Zoology, Mar Thoma College for Women, Perumbavoor
Date & Year	12/07/2017
Venue	Room No.208
Duration	2:30 pm to 3.30 pm
Number of Participants	18
Objectives	<ul style="list-style-type: none"> • To Familiarize the research process • To plan and execute research design • To identify the research problem
Outcome	<ul style="list-style-type: none"> • The students gained understanding in research methodology and research design



Report

A research orientation session titled “The Research Design-Planning and Implementation” was conducted exclusively for the final year BSC Zoology students on 12 July 2017. About 18 students were participated. The resource person gave instruction regarding various the importance of research design planning and implements and its importance in research project. A well planned and executed research design can help ensure that the study results are reliable, valid. And relevant to the research sustain or problem being investigated. The planning phase of research design involves identifying the research question or problem, reviewing the literature, electing a research methodology, and determining sample size and sampling method. It is essential to ensure that the research question is relevant and important to the field and that the methodology chosen is appropriate for addressing the question.

The implementation phase of research design involves collecting and analyzing data, interpreting the results, and drawing conclusions. The implementation phase includes data collection, data analysis, interpretation of results, and conclusion. In conclusion, the research design planning and implementation are critical aspects of any research project. A well- designed and executed study can provide valuable insights into a research question or problem and contribute t the advancement of knowledge in the field.





 **MAR THOMA COLLEGE FOR WOMEN,
PERUMBAVOOR** 

DEPARTMENT OF ZOOLOGY

Organize
A Research Orientation for final year B.Sc. Zoology students

***"The Research Design – planning and
implementation"***

DATE: 12/07/2017



RESOURCE PERSON:
REEMY SARA MATHAI
ASST. PROFESSOR
DEPT. OF ZOOLOGY

VENUE: ROOM 208

TIME: 2.30 P.M

Ms. Ayana P.S.
Student Coordinator

Dr. Biju Jacob Thomas
Head of the Department

Dr. Lisy Cherian
Principal

Figure 4: Brochure of the programme



List of Participants

Sl. No	Name of the Student
1	Aparna Babu
2	Ashna A G
3	Athullia Sasi
4	Fathimathu Zuhara V S
5	Hazna Jawahar
6	Akhila Gireesh
7	Anju Johnson
8	Annamol George
9	Ayana P S
10	Archana Jose
11	Bibinu Kuriakose
12	Fabiya Kareem
13	Farsana M J
14	Geeliya George
15	Noufiya V C
16	Saliha K Sidheekh
17	Sangeetha M S
18	Simna Fathima



Introduction to Research Methodology

Title of the Programme	Introduction to Research Methodology
Organizing Department	Zoology
Resource Person	MS. Bincy P Paul, Assistant Professor, Mar Thoma College for Women, Perumbavoor
Date & Year	23/06/2017 – 24/06/2017
Venue	MSC Zoology Lab
Duration	23/06/2017 – 24/06/2017
Number of Participants	22
Objectives	<ul style="list-style-type: none"> • To develop research aptitude among the students • To generate scientific temper among the students • To learn the scientific process involved in the research
Outcome	<ul style="list-style-type: none"> • The students gained through knowledge about the scientific process of research

Report

The Zoology Department conducted a two day workshop on the topic “Introduction to Research Methodology” on 23-24 June 2017 in the M.Sc. Zoology Lab, in which 22 students from the final year M.S.C., Zoology was participated.



Ms. Bincy P. Paul (Assistant Professor, Mar Thoma College for Women, Perumbavoor) was the resource person. The purpose of this workshop was to introduce the students to the basic concepts of research methodology and provide them with the tools necessary to conduct research in their field of study. The workshop began with an introduction to research methodology and its importance in the field of zoology. The facilitators discussed the different types of research methods used in zoology, including observation, experimentation, surveys, and case studies.

They also talked about the importance of developing a research question and hypothesis, and how to design a research project. The workshop also covered the following topics:

Data collection: The facilitators discussed the various methods of data collection, such as primary and secondary sources, and emphasized the importance of collecting reliable and valid data.

Sampling techniques: The facilitators introduced the different sampling techniques used in zoology, such as random sampling, stratified sampling, and cluster sampling. **Data analysis:** The participants were taught how to analyze data using different statistical tools such as t-tests, ANOVA, and regression analysis. **Ethics in research:** The facilitators discussed the ethical considerations that researchers must consider, such as obtaining informed consent and ensuring the welfare of research subjects.

The participants found the workshop to be informative and useful. They appreciated the interactive nature of the workshop and the opportunity to ask questions and clarify their doubts. The hands-on activities, such as designing a



research project, were particularly helpful in understanding the concepts. Overall, the research methodology workshop conducted by the Department of Zoology was well-received by the participants. The workshop provided a solid foundation for the students to begin conducting research in their field of study. The suggestions provided by the participants can be used to improve future workshops and provide a more comprehensive understanding of research methodology.



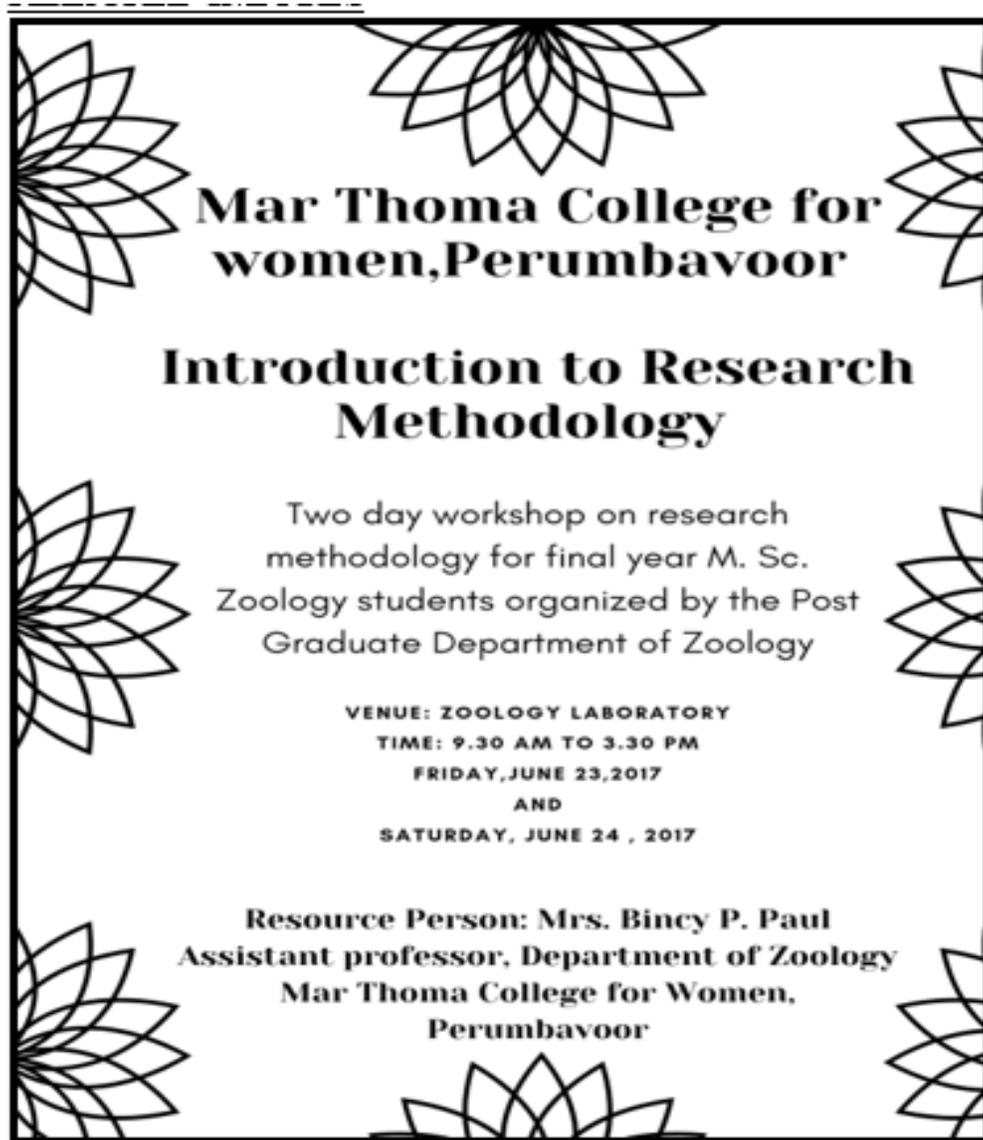


Figure 5: Brochure



List of Participants

Sl. No	Name of the Student
1	Salwa Ibrahim
2	Amalendhu V K
3	Ammu Babu
4	Ananya C Sabu
5	Neethu Paul
6	Rekha Ravi
7	Siji M
8	Sona Naji Varghese
9	Betty Mathew
10	Bini K Eldho
11	Drishya S Nair
12	Elsa C Eldhose
13	Anusha S M
14	Arya Rajeev
15	Aswathy K M
16	Gopika Rajan
17	Greena Sara Prince
18	Irfana Fathima
19	Merlin S M
20	Midhumol Madanan
21	Nandana Prabhakaran
22	Sreeja T J



Identifying Sources: Expectation and Challenges

Title of the Programme	Identifying Sources: Expectation and Challenges
Organizing Department	History
Resource Person	Dr. Vinod V, Assistant Professor, Dept of History, Mar Thoma College for Women, Perumbavoor
Date and Year	16/11/2017
Venue	College Auditorium
Duration	10.30a.m. to 12.30 p.m.
Number of Participants	65
Objectives	<ul style="list-style-type: none"> • To promote research writing aptitude among the Under Graduate degree students • To learn the challenges involved in the research • To know the different sources including conventional and non conventional
Outcome	<ul style="list-style-type: none"> • the students equipped to scrutinize the various sources for a historical study



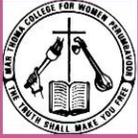
Report

The seminar on “Identifying Sources in History Expectation and Challenges”, held on 16 November 2017, was a great success. The seminar was organized by the Department of History, Mar Thoma College for Women, Perumbavoor. The seminar was attended by students, faculty and other interested persons.

The seminar was inaugurated by the welcome address of Dr. Bibin Kuriakose, followed by the presidential address of Dr. Gigi George, Principal of Mar Thoma College for Women. The main speaker of the seminar was Dr. Vinod V, Assistant Professor, Dept of History and Archaeology, Mar Thoma College for Women, Perumbavoor. Dr. Vinod provided an insightful and comprehensive overview of the challenges and expectations of identifying sources in history. He discussed various types of sources such as literary, archaeological, and visual sources, and the difficulties faced by historians in interpreting them. He also discussed the importance of the sources in terms of their accuracy and reliability.

The seminar was concluded with a vote of thanks by Aleesha Kabeer. The seminar was a great success and it provided the attendees with a new insight into the challenges and expectations of identifying sources in history.





MAR THOMA COLLEGE FOR
WOMEN PERUMBAVOOR

Department of
History

Seminar on Identifying
source : Expectations
v/s Challenges

Resource Person

Dr Vinod V

Asst Prof. Dpt of
History & Archaeology

Date	Time	Venue
16/11/2017	10.30am	Auditorium

Dr Lisy Cherian

Principal

Dr Bibin Kuriakose

Head of the
Department

Figure 6: Brochure



List of Participants

Sl. No	Name of the Student
1	Abhirami Kailas
2	Afifa MA
3	Alfiya C. M.
4	Anju V. Sajeev
5	Athira Johnson
6	Bennet C. Ouseph
7	Fathima K. A.
8	Haniyya K. N
9	Rose Linda
10	Ruksana K. Razak
11	Abhinaya P. Rajan
12	Ajinsha V. A.
13	Akhila Saju
14	Aleesha Kabeer
15	Anjana Potty
16	Aparna K. N.
17	Athira Martin
18	Dalin Davis
19	Deepthy P. K.
20	Divya P. U.
21	Indu T. L.
22	JishnaMohanan
23	Merin Paul
24	Rameesa Salim



25	Ruksana Kareem
26	Seenath K. S
27	Seethalakshmi M
28	Sukannya K. A.
29	Susan Varghese

30	Fathima M.P
31	HaneesaParween PKP
32	Jeena Johnson
33	Payal Kumari
34	RemyaSandosh
35	Safarina M Mahin
36	Aisha Marwa
37	Amalendu ER
38	Amina M.T
39	AnaghaE.R
40	AneenaV.A
41	Angala Mol Davis
42	Anjitha Ravi
43	Anju Varghese
44	Anumol Mani
45	AswathyN.A
46	AthiraK.T
47	AthulyaSasi
48	BibinaV.B
49	BibinshaT.I
50	Bini Eldhose
51	Fasna M.M
52	Jainu Paul
53	Josmy John
54	Keerthi T.S



55	Lakshmi K.V
56	Merin Mathews
57	Nasrin V.M
58	Nejuma Muhammad
59	Rahi Mani
60	Safina A.M
61	Soja Mathayi
62	Theofilsa Mathew
63	Varsha Sunil
64	Vismaya Sasi
65	Nada Fathima

