

2018 - 2023

Criteria 3.5.1

MOU - LIST OF ACTIVITIES

Signed by Both Parties



MES ASMABI COLLEGE
P. Vemballur

SUMMARY OF THE MoU

2018-2019					
Sl. No	Name of the MoU/Collaboration/linkage	Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration/linkage is made, with contact details	Date of Startting	Date of Ending	Nature of Collaboration
1	Training Program	The Tax Study Centre, 2nd Floor, CPI Building, Judges Avenue, Lisie Jn, Kaloor, Ernakulam - 682 017	01-08-2018	01-08-2019	Training Program
2	Student - Faculty Exchange	Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni Dist, Tamil Nadu	15-02-2019	31-03-2024	Student - Faculty Exchange
3	Counselling	Minority Welfare Department, 4th floor, Vikas Bhavan, Trivandrum	18-07-2018	Not specified	Counselling
2019 - 2020					
Sl. No	Name of the MoU/Collaboration/linkage	Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration/linkage is made, with contact details	Date of Startting	Date of Ending	Nature of Collaboration
1	Academic activities	Profinz. The Institute of Cost Accountants of India, Thrissur, Chapter Extention Centre, Thrissur - 680020	24-06-2019	Not specified	Academic activities
2	Cerificate Course	Western Ghats Hornbill Foundation, Aranyak, Mathilakam P O, Thrissur 680685	24-01-2020	24-01-2021	Cerificate Course
3	Internship	AIWA Shipping Company, Essar buidling, G V Iyer road, Willington Island , Cochin - 682003	01-01-2020	01-01-2023	Internship

2020 - 2021

Sl. No	Name of the MoU/Collaboration/linkage	Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration/linkage is made, with contact details	Date of Starting	Date of Ending	Nature of Collaboration
1	Field Project	Majlis Arts and Science college, Puramannur, Valanchery, Malappuram	24-03-2021	31-03-2026	Field Project
2	Research	SN Puram Grama Panchayath	22-03-2021	31-10-2023	Research

2021 - 2022

Sl. No	Name of the MoU/Collaboration/linkage	Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration/linkage is made, with contact details	Date of Starting	Date of Ending	Nature of Collaboration
1	Academic activities	DDS Sports Academy, Ernakulam	11-02-2022	11-02-2027	Academic activities
2	Internship	Dolphin Shipping Line (UK) LTD.	01-11-2021	01-11-2026	Internship
3	Internship	Muziris Project Limited, Kodungallur, Thrissur	15-11-2021	15-11-2026	Internship
4	Research	Western Ghats Hornbill Foundation, Edappally, North Kochi. Kerala, India	08-10-2021	08-10-2022	Research
5	Faculty Exchange	Prabodha Trust, Ponniruni East, Kochi, Ernakulam	14-03-2022	14-03-2027	Faculty Exchange

2022 - 2023

Sl. No	Name of the MoU/Collaboration/linkage	Name of the collaborating agency/institution/industry/corporate house with whom the MoU/collaboration/linkage is made, with contact details	Date of Starting	Date of Ending	Nature of Collaboration
---------------	--	--	-------------------------	-----------------------	--------------------------------

1	Academic activities	Internal Quality Assurance Cell (IQAC), Sree Narayana College, Nattika, Thrissur - 0487 2393706	23-05-2023	23-05-2028	Academic activities
2	Academic activities	Kerala State Electronics Development Corporation Limited, Keltron House, Vellayambalam, Trivandrum & M/s. IIB Education Private Ltd, Door number:36/4153, 4th floor, City Centre, Thrissur	16-02-2023	16-02-2026	Academic activities
3	Add on course	GRAPESGENIX TECHNICAL SOLUTIONS PVT LTD Shanoj Building, Opp. To Devamatha Church, Patturaikkal, Thrissur - 680020	28-07-2022	28-07-2027	Add on course
4	Workshop, Skill development & Placement	Zoople Technologies, 2nd Floor, Josh tower, Civil line road, Colony jn, padamughal, Vazhakkala, Kochi - 682030	18-01-2023	18-01-2028	Workshop, Skill development & Placement
5	Skill development program	Skill Developer Q90, MMDA Colony, Arumbakkam, Chennai, Tamil Nadu - 600106 Phone: 9444777030	12-04-2023	12-04-2028	Skill development program
6	Industrial exposure & Placement support	FlyCreative Online Pvt Ltd, Creative Plaza, NH-17, Bypass Road, Kodungallur, Thrissur	26-04-2023	26-04-2026	Industrial exposure & Placement support
7	E-waste collection	Earth Sense Recycle Pvt Ltd, Kanjirakode, Palakkad	24-02-2023	24-02-2024	E-waste collection
8	Industrial exposure & Placement support	Team Yathri India Pvt Ltd	17-03-2023	17-03-2026	Industrial exposure & Placement support
9	Social activities	Indian Red Cross Society Thrissur Dist Branch	20-02-2023	20-02-2025	Social activities
10	Add on course	National Institute of Taxation & Accounting, Safa Complex, Second floor, Kayyath Lane, Palarivattom - 682025	20-07-2022	Till course completion	Add on course

11	Research & Academics	Intellectual Property Cell of St. Peters College, Kolenchery	29-07-2022	29-07-2023	Research & Academics
12	Experiential learning	Sreenarayanapuram Grama Panchayath	30-06-2022	30-06-2024	Experiential learning
13	Community mental health empowerment program	Sreenarayanapuram Grama Panchayath	14-10-2022	01-06-2025	Community mental health empowerment program
14	Training	Scuba Cochin	27-02-2023	31-03-2028	Training
15	Academic activities	Co-operative Arts & Science College, Madayi, P O Payangadi R S, Kannur 0497-2870550	29-03-2023	31-03-2028	Academic activities
16	Research	Rufford University, UK	27-05-2022	24-09-2022	Research
17	Research	Eriyad Grama Panchayath	07-03-2023	07-04-2023	Research
18	Research	Centre for Applied Research & People Engagement	26-01-2023	31-12-2023	Research
19	Academic activities	The University of Technology & Applied Sciences (UTAS), Oman	18-08-2023	18-08-2028	Academic activities



MES ASMABI COLLEGE, P. VEMBALLUR

With

TAX STUDY CENTRE, ERNAKULAM



MoU REPORT

"A Diploma in Goods and Service Tax Practice equips students with expertise in GST compliance and implementation, preparing them for roles in tax advisory and compliance management."

CURRICULUM & ASSESSMENT PROCEDURE

Department	: PG Department of Commerce
Name of the Course	: Diploma in Goods and Service Tax Practice
Course Code	: ASCEP29
Name of the Coordinator	: Dr. Princy Francis
Head of the Department	: Dr. Princy Francis
Number of students	33
Duration of the course	: 30 Hours
Level	: UG/PG
Teaching Methodology	: Direct method, group discussion and pair work
Teaching Aids	: PPT, handouts & videos

OBJECTIVES

- Understand the concepts and principles of Goods and Services Tax.
- Comprehend the GST law and its applicability to different transactions.
- Identify and fulfill the compliance requirements related to GST.
- Handle GST accounting and prepare accurate GST returns.
- Advise clients or businesses on GST-related matters effectively.
- Stay updated with changes and amendments in GST regulations.

COURSE CONTENT

1. Introduction to Goods and Services Tax

- Overview of indirect taxes and the need for GST
- GST in the Indian context: Evolution and implementation
- Features and components of GST

2. GST Fundamentals

- GST Structure: CGST, SGST, IGST
- Input Tax Credit (ITC) mechanism
- GST rates and classifications

3. GST Registration and Compliance

- ♦ Threshold limits and mandatory registration
- ♦ GST registration process and documentation
- ♦ Time and manner of GST payment
- ♦ Invoice and record-keeping requirements

4. GST Returns and E-Filing

- ♦ Types of GST returns and their due dates
- ♦ Preparation and filing of GSTR-1, GSTR-3B, GSTR-9, etc.
- ♦ Handling amendments and rectifications
- ♦ E-way bills and their significance

5. Input Tax Credit and Reversal

- ♦ Conditions for availing ITC
- ♦ ITC reconciliation and matching
- ♦ Cases of ITC reversal and their treatment

6. GST Audit and Assessment

- ♦ GST audit process and documentation
- ♦ Handling GST assessments and appeals
- ♦ Penalties and consequences of non-compliance

7. Special Transactions under GST

- ♦ Reverse charge mechanism (RCM)
- ♦ Composition scheme under GST
- ♦ Export and import of goods and service

8. Recent Developments and Case Studies

- ♦ Recent changes in GST law and notifications
- ♦ Analyzing practical case studies related to GST

Assessment Procedure:

The assessment will be designed to evaluate students' understanding and application of the course concepts. The assessment procedure will include the following components:

1. Written Examinations
2. Practical Assignments
3. Case Studies
4. Group Projects
5. Presentations
6. Class Participation
7. Final Examination

ACCOUNTANT & GST PRACTITIONER TRAINING

Diploma in Goods & Services Tax Practice (DGSTP)

B.Com/BBA/BBM/LLB കാർക്ക് Chartered Accountant നെ പോലെ Professional Tax Practitioner/Accountant ആയി പ്രവർത്തിക്കുവാൻ ഗവൺമെന്റ് ലൈസൻസ് ലഭിക്കുന്നു. Tax Practitioner ആയും Accountant ആയും പ്രവർത്തിക്കുന്നതിന് ആവശ്യമായ വിവിധ രംഗ സ്ഥാപനങ്ങളുടെ ഒറിജിനൽ Accounting, Auditing വർക്കുകളും, GST, Income Tax, Customs Duty, General Sales Tax, ESI, PF മുതലായ എല്ലാവിധ Tax നിയമങ്ങളും ഒരു കൂട്ടം Chartered Accountants, Tax Practitioners, Advocates, Retired Tax Officials മുതലായവർ അതിവിദഗ്ദ്ധമായി Training നൽകുന്ന കഴിഞ്ഞ 26 വർഷങ്ങളായി ഈ രംഗത്തു പ്രവർത്തിക്കുന്ന കേരളത്തിലെ ആദ്യത്തെ സ്ഥാപനമാണ് **Tax Study Centre.**

മേൽപറഞ്ഞ കോഴ്സുകളോടൊപ്പം തന്നെ DGSTP കോഴ്സ് ചെയ്താൽ ഒരു ഡിപ്ലോമയും കൂടി നിങ്ങൾക്ക് ലഭിക്കുന്നു. ഈ കോഴ്സ് നിങ്ങളുടെ കോളേജിലും ആരംഭിക്കുവാൻ ആഗ്രഹിക്കുന്ന ഒരുകാരെങ്കിൽ taxstudycentre92@gmail.com എന്ന Email വിലാസവുമായി ബന്ധപ്പെടുക.

താഴെ പറയുന്ന കോളേജുകളിൽ ഈ കോഴ്സ് ഇപ്പോൾ തന്നെ ലഭ്യമാണ്.

ERNAKULAM: St. Therasas College, Ernakulam Dist, Angamaly MES College, Kunnukara, S.H. College, Thevara, Bharatmatha College, Thrikkakara, St. Kuriakose College, Kuruppumpadi, Nirmala College, Mulanthuruthy, UC College, Aluva, **KOTTAYAM:** Basalious College, B.V.M. HolyCross College, Cherpunkal, Kristhu Jyothi College, Changanasserry, Mar Kuriakose College, Puthuveli, St. Mary's College, Manarcaud, BCM College. **PATHANAMTHITTA:** Namboothri's College, Thiruvalla, Marthomas College, Thiruvalla. **WAYANAD:** Govt. College, Kalpetta, Don Bosco College, Sulthan Bathery. **THIRUVANANTHAPURAM:** Chand Acadamy, Pattom, Chand Acadamy, Thykadu. **IDUKKI:** JPM College, Labakada, Mar Basalious College, Adimali, St. Sebastian College, Kattappana, Stella Marys College, Adimali, Santhigiri College, Vazhithala. **KANNUR:** Christ College, Thalassery, Madayi Arts & Science College, STEMS College, Morazha, Mary Matha Arts & Science College, Alakode, Navajyothi Arts & Science College, Cherupuzha, Adithya Kiran Arts & Science College, Kuttur. **KASARAGODE:** Sharaf Arts & Science College, Cheruvathoor, **MALAPPURAM:** Scholar College, Ponnani. **PALAKKAD:** Government College, Chittoor, Govt. Arts & Commerce College, Kozhinjampara, Mercy College, Chinmaya Mission College. **THRISSUR:** Christ College, Irinjalakuda, Vimala College, S.H. College, Chalakudy, St. Alosiyus College, Elthuruth, Nirmala College, Chalakudy, Aryabhatta College, Guruvayoor, Wisdom College, Pavaratty.

TAX STUDY CENTRE

JUDGES AVENUE, LISIE JUNCTION, KALOOR, ERNAKULAM, PIN: 682017

Ph: 0484-2401501 | 2401601 | 4063633
| 9387498401 | 9745419189

Press Road, Pulimoodu Jn. Thiruvananthapuram
Phone: 8129565656, 0471 4064407
E-mail: taxstudycentre92@gmail.com



SYLLABUS

DGSTP (Diploma in Goods & Services Tax Practice)

Academic system of Accounting

[Journal - Ledger System]

Basic Principles of Accounting - Journalizing- Ledger Posting, - Balancing, - Preparation of Trial Balance and Finalization of Accounts such as Trading Account, Profit and Loss Account and Balance Sheet.

1. PRACTICAL ACCOUNTING

Day Book - Ledger System of Accounting, Preparation of Day Book (Conversion of Academic System to Practical System), Ledger Posting, Balancing, Preparation of Trial Balance, Schedules for Purchase, Sales, Sundry Debtors, Sundry Creditors and other Accounts- Valuation of Closing Stock- Preparation of Final Accounts such as Trading Account - Profit and Loss Account and Balance Sheet- Other necessary statements to be produced before the Tax Authorities and Management.

2. Cash Book - Subsidiary Book - Ledger System

This system of practical accounting contains accounts of large scale organizations having different Departments like Purchase Department, Sales Department, Cash Department etc. and a Group of Accountants working in different Departments.

Preparation of Cash Book - Purchase Day Book - Sales Day Book, Returns Book, Bills Receivable Book, Bills Payable Book and Journal Proper.

General Ledger - Debtors Ledger, Creditors Ledger, Purchase Register, Sales Register, Cheque Receivable Register- Cheque Payable Register.

Preparation of Schedules - Trial Balance, Computation of Stock, Depreciation, Bad Debts and Discounts etc. Preparation of Final Accounts.

3. Preparation of Bank Reconciliation Statement

4. Study of Different Types of Accounting Errors- Errors of Omission, Commission - Principles and Clerical Errors - Rectification Entries for Correction of Errors

5. Preparation of Project Report for obtaining Overdraft from Banks.

6. KGST Act 1963 & Rules - Historical data- need for the introduction of VAT system in India, Problems in KGST- Single point tax- points of levy- schedules in KGST- ST, AST, Surcharge, Forms.

7. GST : Difference between direct and indirect tax - single point Tax system and multi point Tax system.

Introduction to GST, Constitutional amendment for GST objectives- understanding the concept of GST- subsuming of multiple taxes in the present system - salient features of GST -destination based Tax -dual GST to be levied by the Centre and State simultaneously - CGST-SGST(UTGST)-IGST- Advantages of GST-

8. GST-Section wise analysis

S1 Short title- extent and commencement S2 Definitions : Aggregate turnover -business-business vertical-input tax - out-put tax - inward-outward-composite supply-mixed supply -consideration- input service distributor - input service- nonresident taxable person - reverse charge- tax return preparer-credit note, debit note, exempt supply-export of goods,- export of service, IGST, import of goods- import of service- input service - input service distributor- input tax-input tax credit- inward supply- place of supply- outward supply-continuous supply of goods-service- reverse charge-zero rated supply,-works contract-S3-6 Officers under this Act, appointment, powers etc. S7-11levy and collection of tax-Tax liability on composite and mixed supplies- meaning and scope of supply - Tax liability on composite and mixed supplies - Levy and collection of central / state goods and service taxes - Composition Levy

S12-14- Time of Supply/ -Value of taxable supply-S16-21- Eligibility for input Tax credit- S22-30 - Regarding Registration S31-34 Tax invoice - Credit and debit notes. S35,36 accounts and records- S37- 48 Returns -payment of tax, interest, penalty - Claim of input tax -. Self assessment - Annual and final returns - Tax Practitioners-S49 Payment of tax, interest, penalty and other amounts-S50 interest on delayed payment of tax-S51- TDS-S54 Refund-S59-64 Assessment -S65-66 Audit, S67-72 Inspection, Search, seizure and arrest-107-121-appeals and revision--S122-138 Offences and penalties

9. Income Tax Act and rules :

Short Title, Extent, Commencement

Definition - Assessee, Assessment Year, Person, (Individual, HUF, Firms, Companies, AOP/BOI, Local Authority, Every Artificial Juridical person) Previous Year - Capital Assets - transfer

Heads of Income - Gross Total Income, Deductions, Total Income, Agricultural Income, Aggregate Income- (80c)

Income Tax Rates - Slab Rate, Flat Rate, Special Rates, Scope of Total Income - Residential Status-Calculation of tax - Rebate on Agricultural Income.

Charging Section - Regular Tax Rates, Tax Deducted / Collected at Source, Advance Tax, Self Assessment of Tax - Processing of Returns of Income.

Heads of Income - 1 Salary 2 House Property 3. Business or Profession 4 Capital Gains 5 Other Sources-

Exemptions.

10.ESI - Registration, Calculation, Contribution, Filing - Salary Statement.

11.PF - Registration, Rates of Contribution and Calculation, PF Statement - Filing details, Salary Statement, TDS etc.

Shreyas



KERALA STATE RUTRONIX

KERALA STATE RURAL WOMEN'S ELECTRONICS INDUSTRIAL CO-OPERATIVE FEDERATION LTD.

(Established By Government of Kerala)

DIPLOMA IN GOODS AND SERVICE TAX PRACTICE

(Duration of Course - 6 Months)

MARK LIST

The marks obtained by **Suhana O B** in the examination held in July 2019 with Register No. **158425231** are given below

Subject	Marks awarded			Minimum marks for pass			Maximum marks		
	Final examination	Internal evaluation	Total	Final examination	Internal evaluation	Total	Final examination	Internal evaluation	Total
Financial Accounting	53	49	102	40	-	-	100	50	150
Direct & Indirect Tax (with GST)	75	49	124	40	-	-	100	50	150
Tally (with GST)	80	49	129	40	-	-	100	50	150
Practical (Tally)	70	45	115	40	-	-	100	50	150
Grand Total			470			300	400	200	600
Grand Total of marks awarded (in words)	FOUR SEVEN ZERO								

The grading system is evaluated solely on marks in the basis of final examinations marks only. (excluding internal marks) : 60% & above First Class, 75% & above Distinction

[Signature]
Co-ordinator

Thiruvananthapuram
Kerala-695 010
Date: 08-Nov-2019



[Signature]
Controller of Examinations

For *[Signature]*
PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P. VEMBALLUR,
KODUNGALLUR - 680 671

312

[Signature]
HOD

E-046-1758-126907

ID No. C18EC246T020

Register No. 158425231



Certificate

The Kerala State Rural Women's Electronics Industrial Co-operative Federation Ltd. hereby makes it known that

Suhana O B

has been awarded the

Diploma in Goods & Service Tax Practice

hel/she, having been certified by duly appointed examiners to be qualified to receive the same, and having been by them placed in the

First Class at the examination held in July 2019

Given under the seal of the Federation

P. A. I.



Co-ordinator

Thiruvananthapuram
Kerala, India, 695010

Dated: 08-November-2019



K. Padmakumar

K Padmakumar
Managing Director

For
Shiney CW
PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P.VEMBALLUR,
KODUNGALLUR - 690 671

Shiney CW

Academic Event Report

Course Name: Diploma in Goods and Service Tax Practice 2018-19

Conducted by: P G Department of Commerce, MES Asmabi College

In association with: Tax Study Centre Course

Duration: 30 hours

Number of Students Enrolled: 33

Coordinator: Dr. Princy Francis

Introduction:

The Diploma in Goods and Service Tax Practice was organized by the P G Department of Commerce at MES Asmabi College in collaboration with the Tax Study Centre. The course aimed to provide undergraduate (UG) and postgraduate (PG) students with comprehensive knowledge and practical skills related to Goods and Service Tax (GST). It was designed to equip the participants with the necessary expertise to understand, implement, and comply with GST regulations in different business scenarios.

Course Content:

The curriculum of the Diploma in Goods and Service Tax Practice covered a wide range of topics to ensure a comprehensive understanding of GST principles and practices. Some of the key areas included:

1. Introduction to Goods and Services Tax
2. GST Framework and Structure
3. GST Registration and Migration
4. Input Tax Credit and its Utilization
5. GST Return Filing and Compliance
6. GST Accounting and Record Keeping
7. GST Audit and Assessment
8. E-way Bill System and its Implications
9. GST and E-commerce
10. Special Provisions for Special Economic Zones (SEZs) under GST
11. Recent Updates and Amendments in GST

Program Evaluation:

The effectiveness of the Diploma in Goods and Service Tax Practice was assessed through various means, including regular evaluations, quizzes, practical assignments, and participation in group discussions and pair work. The students' active involvement and keen interest in the subject were evident throughout the course.

Program Evaluation:

The effectiveness of the Diploma in Goods and Service Tax Practice was assessed through various means, including regular evaluations, quizzes, practical assignments, and participation in group discussions and pair work. The students' active involvement and keen interest in the subject were evident throughout the course.

Students Feedback:

The Diploma in Goods and Service Tax Practice course has received overwhelmingly positive feedback from the students who participated in the program. The course, conducted by Dr. Princy Francis, proved to be an invaluable learning experience for the students, equipping them with comprehensive knowledge and practical skills related to Goods and Service Tax (GST). Students appreciated the well-structured curriculum that covered all essential aspects of GST. From fundamental principles to the latest amendments, the course provided relevant and up-to-date information; ensuring students were well-prepared to navigate the complexities of GST regulations. The course materials, including PPTs, handouts, and videos, were found to be comprehensive and useful for further reference and reinforcement of concepts.

Conclusion:

The Diploma in Goods and Service Tax Practice conducted by PG Department of Commerce, MES Asmabi College, in association with the Tax Study Centre, proved to be a valuable learning experience for the 33 enrolled students. The course, coordinated by Dr. Princy Francis, successfully provided participants with a comprehensive understanding of GST principles, compliance requirements, accounting procedures, and advisory skills. The utilization of various teaching methodologies, such as the Direct Method, group discussions, and pair work, contributed significantly to the students' holistic development in the domain of GST. The knowledge gained from this program will undoubtedly benefit the students in their future careers and endeavors related to GST and taxation.

First Party



Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671



SECOND PARTY



S. Omanakuttan
Managing Director



MES ASMABI COLLEGE, P. VEMBALLUR

with

HAJEE KARUTHA ROWTHER HOWDIA COLLEGE



MoU REPORT ON STUDENT - FACULTY EXCHANGE

"Student-faculty exchange fosters a dynamic learning environment, allowing students to benefit from diverse perspectives and expertise, while faculty members gain insights into evolving educational needs and student engagement."

DETAILS OF PROGRAMME

Name of the programme	: Student and Faculty Exchange Programme
Name of Co-Ordinator	: Dr. Amitha P Mani
Organizing department	: Research Department of English
Date & Duration	: 15th February 2023, 1 Day
Number of Participants	: 25
Objective of the programme	: To interact with outside teachers and students

DETAILED DESCRIPTION OF THE EVENT

P G & Research Department of English, Hajee Karutha Rowther Howdia College (Autonomous) Thamapalayam, Theni, Tamil Nadu and P G & Research Department of English, MES Asmabi College, P Vemballur, Kodungallur, Kerala conducted a Student and Faculty Exchange Programme on 20th March 2023. Both the departments signed an MoU on 15th February 2019.

OUTCOME OF THE PROGRAMME

The programme brought an opportunity for the students and faculties to interact with the students and teachers outside which was a new learning experience. Everyone got a chance to understand the various practices and extension activities of a different college.

PHOTOS OF THE PROGRAMMME




First Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671



Second Party


Principal
PRINCIPAL
Hajee Karutha Rowther Howdia College
(Autonomous)
UTHAMAPALAYAM-625533.



MES ASMABI COLLEGE, P. VEMBALLUR

with

MINORITY WELFARE DEPARTMENT



REPORT 2019-20

THIRD BATCH OF PRE- MARITAL COUNSELLING

Third batch of Pre- Marital Counselling began on 11/12/2019. The first session which began at 9.30 am was led by Dr. Hamza which extended up to 12.30 pm. Second session started at 1.30 pm by Adv. Kunjumon with the topic “husband wife relationship “Second day of this batch was on the next day 12th December 2019 and the forenoon session was handled by Adv. Hack with the topic “In – law Relationship””. Afternoon session was led by Dr. C.S. Ambika Devi on the topic “Parenting” Each of them handled their sessions for three hours. Third day of the first batch was on 13th December and the classes began 9.30am to 12.30pm with the topic”in law by Sareena . IN the afternoon session at 1.30pm which Lasted up to 4.30pm on the topic “Family budgeting”led by Mr AbdulRahiman..”.The last day was held on 14thDecember. At 9.30am Session led by Smt Aparna with the topic “Marriage and sexual relationship. And the last session was handled by Mrs. Hajira led the class with the topic “Group Counseling “till 1.30pm” from 1.30pm to 4.30pm.





FIRST PARTY

SECOND PARTY


Dr. Ajims P. Mohammed
Principal, MES Asmabi College
P. Vemballur, Kodungallur





MES ASMABI COLLEGE, P. VEMBALLUR

with

MINORITY WELFARE DEPARTMENT



REPORT 2020 - 21
PRE- MARITAL COUNSELLING

MES Asmabi College under the guidance of CCMY Kodungallur organized Pre-marital counselling for its students in the four consecutive days from 2nd February. The Third batch of Pre- Marital Counseling began on 02/02/2021 in the college. After the introduction and re-assurance on the purpose of premarital counseling by the Principal of CCMY, Dr.Sulekha, the first session was led by Smt. Sabira on the topic “Introduction to Marriage” Second session was taken by Adv. Kunjumon with the topic “Husband wife relationship “.The participants’ feedback reinforced the spirit of the class.



Second day ‘s session was led by Smt.Sereena with the topic”Physiology and Pregnancy” and next session was handled by Sri. Abdul Rahiman on “Family Budget ”.The first session cleared the many doubts that they had about their body and sexuality. The second session naturally imbibed in them the necessity of frugality and so aroused their real interest.



On 4/42/21, the day 's Firstsession was led by Smt. Munshida Kalangadan on the topic "Parenting" and the next session was led by Adv. Hack with the topic "Legal Aspects of Marriage" .Each of them handled their sessions for three hours.



On the Fourth day , the first batch was on the topic"Group Counselling" by Smt.Hajara and thenext session was led by Smt.Shifa Thangal on the topic" In-Law relation".Thus four days' premarital Counselling class came to a conclusion with the Valediction by Smt. Sakkeena , Assistant Professor , MES Asmabi College.

FIRST PARTY

SECOND PARTY





MES ASMABI COLLEGE, P. VEMBALLUR

with

MINORITY WELFARE DEPARTMENT



REPORT 2021 - 22
PRE- MARITAL COUNSELLING

CCMY Kodungallur, Department of Minority Welfare, Govt of Kerala in Collaboration with Pre-marital Counselling Centre, MES Asmabi College organized Four day Pre-marital counseling for its students in the four consecutive days from 2nd December to 7th December. College Co-ordinator of Premarital Counselling, Dr. Sakkeena addressed the students reinforcing the importance of Pre-marital Counselling and asking the students to attend it with diligence and attention. The 1st batch of Pre- Marital Counseling began on 02/12/2021 in the college. The first session was led by Mr. Abdul Rahiman on the Topic "Need Functions and Importance of Marriage". Second session was taken by Adv. M.K. Haq with the topic "Husband wife relationship and the importance of Communication". The participants' feedback reinforced the spirit of the class.



Second day i.e on 3rd December 2021, first session was led by Smt. Hajara with the topic "In-Law relationship" and next session was handled by Smt. Munshida .K On "Parenting". The first session cleared the many doubts that they had about their relationships and convinced them about their need to avoid toxicity in relationships. The second session naturally imbued in them the necessity of warmth of parenting and so aroused their real interest.



On 6/12/21, the day 's First session was led by Smt. Afeefa on the topic "Family Budget" which aroused their real interest in frugality and economical dealings. Next session was the centre of attraction as it dealt with Physiology and it was handled by Smt.Nishi Salam. Each of them handled their sessions for three hours.



On the Fourth day,i.e.on 7/12/21, the first batch was engaged by Adv.Ilah.CS on the topic "Legal Aspects" and the next session was led by Smt.Faseela on the topic "Group Counseling". Thus four days' premarital Counselling class came to a conclusion with the Valedictory Function.



FIRST PARTY

SECOND PARTY





MES ASMABI COLLEGE, P. VEMBALLUR

with

MINORITY WELFARE DEPARTMENT



REPORT 2022 - 23
PRE- MARITAL COUNSELLING

CCMY Kodungallur, Department of Minority Welfare, Govt of Kerala in Collaboration with Pre-marital Counselling Centre, MES Asmabi College organized Three day Pre- marital counseling for its students in the three consecutive days from 19th January to 21st January. College Co-coordinator of Premarital Counselling Dr.Sakkeena.MK addressed the students reinforcing the importance of Pre-marital Counselling and asking the students to attend it with diligence and attention. Principal Dr. A.Biju presided the Programme and Sri .Tison Master MLA (Kaipamangalam) Inaugurated the Programme.



The First batch of Pathway began on 19/01/2023 in the college. The First session was led by Mr. Rafi on the Topic “Introduction Marriage for wellness”. Second session was taken by Adv. Shameer with the topic “Effective Communication” .The participant’s feedback reinforced the spirit of the class.



Second day i.e on 20th January 2023, first session was led by Adv. Ilah with the topic “Legal and religious aspects of marriage” and next session was handled by Adv .Hakk On “Family Budgeting” which aroused their real interest in frugality and economical dealings. The first session cleared the many doubts that they had about their relationships and convinced them about their need to avoid toxicity in relationships. The second session naturally imbibed in them the necessity of warmth of parenting and so aroused their real interest.

On 21/01/23, the day ‘s Firstsession was led by Smt. Faseela on the topic “Parenting and Sex Education ” This session cleared the many doubts that they had about their relationships and convinced them about their need to avoid toxicity in relationships. And naturally imbibed in them the necessity of warmth of parenting and so aroused their real interest. Next session was handled by Soumya on the topic of “In law relationship and Conflict management”. Each of them handled their sessions for three hours.



FIRST PARTY


Dr. A. BIJU
 PRINCIPAL
 M.E.S. ASMABI COLLEGE
 P. VEMBALLUR P.O.,
 KODUNGALLUR- 680 671

SECOND PARTY

se




MES ASMABI COLLEGE, P. VEMBALLUR

With

PROFINZ, INSTITUTE OF COST ACCOUNTANTS



MoU REPORT

"The Certificate course in CMA-CAT offers a focused curriculum in Cost and Management Accounting, providing essential skills for aspiring professionals to excel in corporate financial management."

CURRICULUM & ASSESSMENT PROCEDURE

Department	: PG Department of Commerce
Name of the Course	:CMA-CAT Course
Course Code	ASCC07
Name of the Coordinator	: Dr. Princy Francis
Head of the Department	: Dr. Princy Francis
Number of students	21
Duration of the course	: 6 Months
Level	: UG/PG
Teaching Methodology	: Direct method, group discussion and pair work
Teaching Aids	: PPT, handouts & videos

OBJECTIVES

- The course aims to impart students with a strong foundation in accounting principles, cost management, and financial reporting.
- Students will gain an understanding of business and industrial laws, ensuring compliance with legal requirements and ethical business practices.
- Students will learn to prepare financial statements such as income statements and balance sheets, providing insights into a company's financial performance and position.
- The course covers various costing techniques, enabling students to analyze production costs and make informed decisions for resource optimization.
- Students will be introduced to the basics of direct and indirect taxation, understanding tax implications on financial decisions and compliance procedures.
- The course instills skills in operational management and strategic planning, contributing to organizational efficiency and effectiveness.
- Students will be made aware of auditing principles and practices, understanding the importance of internal controls and financial statement verification.
- The course includes training in relevant accounting software and information technology tools for efficient accounting processes.

- Upon completion of the course, students will be prepared for entry-level accounting roles and administrative positions in various industries.
- The course emphasizes ethical considerations in the practice of cost and management accountancy, fostering a strong sense of professional integrity.

COURSE CURRICULUM

The Certificate Course in CMA - CAT typically comprises four papers covering different areas of accounting and finance:

Papers:

- Fundamentals of Financial Accounting
- Applied Business and Industrial Laws
- Financial Accounting - 2
- Statutory Compliance

Intermediate Group 1

- Paper 05 - Financial Accounting
- Paper 06 – Law and Ethics
- Paper 07 - Direct Taxation
- Paper 08 -Cost Accounting

Intermediate Group 2

- Paper 09-Operation Management & Strategic Management
- Paper 10- Cost & Management Accounting & Financial Accounting
- Paper 11- Indirect Taxation
- Paper 12- Company accounts & Audit

COURSE ASSESSMENT

The students' performance is evaluated through examinations conducted by The Institute of Cost Accountants of India (ICA) at the end of each paper.

CERTIFICATION

Upon successful completion of the course and passing all the required examinations, students are awarded the "Certificate in Accounting Technicians" by The Institute of Cost Accountants of India (1CA). Overall, the Certificate Course in CMA - CAT provides a valuable foundation for students aspiring to build a career in cost and management accountancy, equipping them with essential skills and knowledge to thrive in the industry.

REPORT OF CMA-CAT COURSE 2019-20

The Institute of Cost Accountants of India (ICA) (Statutory Body Under an Act of Parliament) is a premier professional body of Management Accountants in the country established on 28th May 1959 enacted by the parliament to regulate Cost and Management Accountancy in India. The institute as a part of its obligation to regulate the profession of Cost Accountancy course, provide facilities to Students, organizes professional development programmes for the members and undertakes research programmes in the field of Cost & Management Accountancy. It provides the following levels of programmes.

Level 1 CAT Programme (4 papers)

Level 2 CMA Intermediate (8 papers)

Level 3 CMA Final (8 papers)

The Institute of Cost Accountants of India, Thrissur Chapter Extension Centre, M/s. Profinz, St.Thomas Orthodox Syrian Church, Chembukkavu, Thrissur 680020, Kerala State represented by its Director CMA Praveen Kumar on one part, and includes his successor in office, hereinafter called 'FIRST PARTY' AND M.E.S ASMABI COLLEGE, Kodungallur, Kerala 680671, represented by Dr. Princy Francis, HOD & Asst. Professor, PG Dept of Commerce, MES Asmabi College on the other part, and include his successor in office, hereinafter called 'SECOND PARTY'.

The First party is involved in imparting coaching, promotion and development of students appearing for the examination conducted by the Institute of Cost Accountants of India, Kolkata, a Statutory body under an Act of Parliament. The Second Party is an Educational Institution, affiliated to The University of Calicut, imparting coaching for various academic courses, professional courses and computer courses. Orientation class is arranged to all UG students of the college.

The following are the papers covered in the short term course Certificate in Accounting Technicians (CAT) and Intermediate groups. There were 21 students enrolled in the first batch of CMA CAT Coaching

CMACAT SYLLABUS (4 papers)

- ♦ Paper1: Fundamentals of Financial Accounting
- ♦ Paper2: Applied Business and Industrial Laws
- ♦ Paper3: Financial Accounting-2
- ♦ Paper4: Statutory Compliance

Intermediate Group1

- Paper05- Financial Accounting
- Paper 06-Law and Ethics
- Paper 07-Direct Taxation
- Paper 08-Cost Accounting

Intermediate Group 2

- Paper 09-Operation Management & Strategic Management
- Paper 10- Cost & Management Accounting & Financial Accounting
- Paper 11- Indirect Taxation
- Paper 12- Company accounts & Audit

Name of the certificate course	Course code (if any)	Year of offering	Duration of Course	Number of students enrolled in the year	No. of students completing the course in the year
CMA - CAT		2019	6 Months	21	21

FIRST PARTY



Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671

SECOND PARTY



CMA PRAVEEN KUMAR; DIRECTOR



Career Opportunities for CMAs

Obtaining the CMA certificate will open a lot of opportunities for you in the domestic as well as the global market.

Practising Avenues

- Audit Areas
 - Cost audit - Corporate sector & Co-operative sector
 - Internal audit of companies including SEBI & NSDL
 - Stock audit for banks
 - Concurrent audit
 - Audit under GST Act
- Issuance of Compliance Certificate Under Various Laws
- Management Consultancy Services

Job Opportunities

- Finance Manager
- Financial Analyst
- Financial Risk Manager
- Financial Controller
- Cost Accountant
- Chief Financial Officer
- Cost Manager
- Relationship Manager

Time is free, but precious.
You can't own it, but you can use it.
You can't lose it, but you can spend it.
Once you've lost it, you can never get it back.
Take your own time & make the best decision you ever made.



M.E.S. ASMABI COLLEGE

(Open & Aided Institution in the name of Asha, inaugurated by H.H. His Highness the Maharaja of Mysore, 1st September 1967)
P. P. O. Vembalur, Taluk: Gudalur, District: Nilgiris, P. N. 638 017
(13 303 25) Fax: 0824 638 017



In Association With



INTRODUCES
**3 YEAR INTEGRATED DUAL PROGRAMME
DEGREE + CMA**

3 YEAR INTEGRATED DUAL PROGRAMME

**B.COM + CMA
B.SC + CMA**

DEGREE

- Calicut University**
- Semester Pattern
 - 6 Semesters
 - Semester-wise Exam

CMA (INDIA)

The Institute of Cost Accountants of India (ICAI) (Statutory Body Under an Act of Parliament)

About ICAI

The Institute of Cost Accountants of India (ICAI) is a premier professional body of Management Accountants in the country established on 28th May 1959 invited by the parliament to regulate Cost & Management Accountancy in India. The Institute as a part of its obligation to regulate the profession of Cost Accountancy course, provides facilities to students, organizes professional development programmes for the members and undertakes research programmes in the field of Cost & Management Accountancy.

- Level 1 CAT Programme (4 Papers)
- Level 2 CMA Intermediate (8 Papers)
- Level 3 CMA Final (8 Papers)

Behind every successful business decision, there is always a CMA!!

DEGREE I & II SEMESTER AND CAT

CAT Programme

To meet the high demand for entry level accountants in India ICAI has launched a short term course 'Certificate in Accounting Technicians (CAT)'.
ICAI

CAT PAPERS

- Paper 1: Fundamentals of Business Mathematics
Paper 2: Applied Business and Industrial Law
Paper 3: Financial Accounting I
Paper 4: Statutory Compliance

Students who have passed CAT course are eligible for admission to CMA intermediate course.

DEGREE III & IV SEMESTER AND CMA INTERMEDIATE

- | | |
|-------------------------------|---------------------------------------|
| Group I | Group II |
| Paper 5: Financial Accounting | Paper 6: Cost & Management Accounting |
| Paper 7: Cost & Financial Law | Paper 8: Cost & Management Accounting |
| Paper 9: Direct Taxation | Paper 10: Indirect Taxation |
| Paper 11: Cost Accounting | Paper 12: Cost Accounting & Audit |

DEGREE V & VI SEMESTER AND CMA FINAL

- | | |
|--|--|
| Group I | Group II |
| Paper 13: Corporate Laws & Compliance | Paper 14: Corporate Financial Reporting |
| Paper 15: Strategic Financial Management | Paper 16: Strategic Cost Management |
| Paper 17: Strategic Cost Management | Paper 18: Strategic Financial Reporting |
| Paper 19: Direct Tax Laws and International Taxation | Paper 20: Indirect Tax Laws and International Taxation |



For *Keenam*
PRINCIPAL
M. E. S. ASMABI COLLEGE
P. O. P. VEMBALUR,
KODUNGALLUR-686671



MES ASMABI COLLEGE P. VEMBALLUR

In Association with



Congratulations

PASS
95 %

CAT QUALIFIERS - DECEMBER 2019 TERM



SURUMI E M



DILSHA M A



FARHANA P M



MEHEDRA M J



ARDANA C H



FARZANA A G



NEELA A S



RINCY K T



NEJA NAZIM



FARHANA P A



MADINA M M



ABDUL CHANDRAM



SAIM



NAYYA SHREYA S



JOBIN SHRIN



SHAJIRA LAKSHMI



ADNA P S



FARZANA SACHIN



ANEETHA V A



ADNA FATHIMA



BACCIN V C



CMA THIRISSUR CHAPTER AUTHORISED CENTRE
The Institute of Cost Accountants of India
(Statutory Body Under an Act of Parliament)



For *Keenan*
PRINCIPAL
M. E. S. ASMABI COLLEGE
P.O.P. VEMBALLUR
KODUNGALLUR



CMA-CAT Orientation 2019 UG Admission



PS

For Keenan
PRINCIPAL
M. E. S. ASSOCIATE COLLEGE
P. O. VERDOLA
KOTTAYAM DISTRICT



MES ASMABI COLLEGE
P. VEMBALLUR

2018 | 2023

MoU for the Conduct of Certificate Courses

MoU - Report of Activities

Coordinator: Dr. K.H. Amitha Bachan

Joint coordinator: Dr. Girija T.P.



Centre for Ecology, Taxonomy, Conservation &
Climate Change (CEtC)

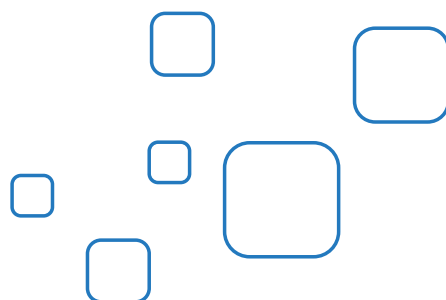
Table of Contents

Certificate Course in
Conservation, Sustainability and
Indigenous rights

03 - 15

Certificate Course in
Geoinformatics and mapping for
natural resource management

16-29





MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS
2019-2020

Details of the programme

Department	: Research and PG Department of Botany
Collaborating Cell	: CEIC of Western Ghats Hornbill Foundation
Name of the Course	: Conservation, Sustainability Indigenous Rights
Course Code	: ASCC16
Coordinator	: Dr Amitha Bachan K.H. 9497627870, amithabmes@gmail.com
Joint Coordinator	: Dr Girija T. P.
Head of the Department	: Dr Girija T. P.
Max. No of Participants	: 35
Duration of the course	: 30 hrs
Teaching Methodology	: Direct method, Group discussions
Teaching aids	: Ppt, Videos

MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS
2019-2020
LIST OF PARTICIPANTS

No	Name	Signature
1	Chithra M.R.	
2	Sruthi T.K.	
3	Anitha	
4	Vipin K.V.	
5	Manu Madhavan	
6	Jishnu Suresh	
7	Aparna T.A.	
8	Kasiraman S.	
9	Sarath S.	
10	Pandyan A.	
11	Paramasivan	
12	Siva	
13	Sunil P.	
14	Jiyesh C.S.	
15	Remya P.C.	
16	Biju G.	
17	Ranjith E.R.	
18	Azhakanswamy D.	
19	Sobha madhavan	
20	Neethu K.K.	

21	Nimisha P.	<i>Nimisha</i>
22	Anjana A.N.	<i>Anjana</i>
23	Reshma K.R.	<i>Reshma</i>
24	Shreeja V.M.	<i>Shreeja</i>
25	Manu K.A.	<i>Manu</i>
26	Sanil Chandran	<i>Sanil</i>
27	Sreejith C.B.	<i>Sreejith</i>
28	Sudha	<i>Sudha</i>
29	Selvaraj M.	<i>Selvaraj</i>
30	Rajendran C.	<i>Rajendran</i>
31	Sumathi C.	<i>Sumathi</i>

Anitha
Director - CEIC
Hornbill Foundation

[Signature]
 Head of Department
 Research & PG Dept. of Botany
 MES Asmabi College
 P. Vemballur, Thrissur Dt.
 Kerala - 680 671

[Signature]
 PRINCIPAL
 M.E.S. ASHABI COLLEGE,
 P.O.P. VEMBALLUR,
 KODUNGALLUR 680 671





MES ASMABI COLLEGE
P. VEMBALLUR

with

AIWA SHIPPING & LOGISTICS
KOCHI

ABOUT

"Internship provides practical exposure, bridging the academic-employment gap, and cultivating valuable skills essential for a successful transition from classroom to workplace."

Name of the coordinator	: Mamatha Thilak
Organizing Department /Cell	: Logistics Management
Date & Duration	: 08 - 05 - 2023 to 08 - 06 - 2023
No: of participants	: 56
Objectives of the program	: To provide job training to first year students
Detailed description of the event	: To provide training in trainee in clearing forwarding department.
Outcome of the event	: All students become expert in preparing clearing and forwarding documents.
Scope of the program	: Both first and second party mutually agreed to conduct internship program at Aiwa Shipping & Logistics A) Aiwa Shipp1ng & Logistics will arrange to provide expert theory. practical Internship based classes as well 8) As Industrial training in our live projects to0 equip the students with latest Programming skills. After the completion of training the second party will provide on job training for all the students. Also provide placement support for the students in our firm and also in other companies.
Areas of Internship/ Industrial Visit	<ul style="list-style-type: none">* Documentation* Warehouse* Operations* Air Cargo Management* Multimode Operations

CERTIFICATE OF THE EVENT



FIRST PARTY


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671

SECOND PARTY



Iype Kurian; MD



MES ASMABI COLLEGE

P. VEMBALLUR

with



MAJILIS ARTS & SCIENCE COLLEGE
MALAPPURAM

Title of the programme	: Student exchange programme
Name of the coordinator/s	: Prasoon T P
Organizing department/ cell	: Department of Digital Film Production
Date & duration	: 16 September 2020
Number of participants	: 32
Objective of the programme	: Introduction multimedia
Detailed description of the event	: In collaboration with Majlis Arts and Science College, the department conducted a workshop on multimedia. The students were taught latest editing techniques.
Outcome of the event / evaluation by Programme coordinator	Students got an idea about the new techniques which is used for editing. The programme helped them to know the limitations of their institution. After the programme students wrote a letter to the principal to address their limitations as a practical oriented subject.

Brochure / photo of the event

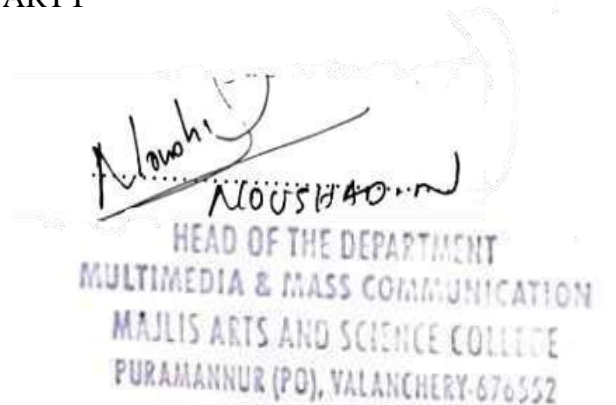


Participant list:

- 1 Abdulla Hanan
- 2 Abhiram K Devadas
- 3 Abhijith M A
- 4 Afnas C R
- 5 Ahammed Yaseen
- 6 Akhilesh C R
- 7 Bin Fahad
- 8 Fahad M S
- 9 Farhan K H
- 10 . Geo V Nijo
11. Jasir T A
12. Jenil E J
13. Mishab P U
14. Mishal P S
15. Mohammed Nizam
16. Mohammed Riyam
17. Mohammed Marwan
18. Mohammed Salih
19. Mohammed Shinas
20. Mohammed Yusaf
21. Mohammed Bilal
22. Nehad
23. Prathyush Sundaran
24. Rashin V R
25. Rijas
26. Rinshad
27. Samay
28. Sharan Krsihna
29. Sarath
30. Siyad
31. Sreehari K S
32. Sreyas

FIRST PARTY

SECOND PARTY





MES ASMABI COLLEGE, P. VEMBALLUR

with

DDS SPORTS ACADEMY



MOU REPORT

DDS Sports academy is a facility set up to develop young Footballers. Its most often thought of as a training school to teach young players how to play football, and how to meet the clubs specific standard. By helping you to see the game in a more positive light, we will make learning enjoyable and ensure you can grow and improve.

AREAS OF THE SUBJECTS MUTUALLY AGREED

This agreement is implemented for the effective practice of sports with special focus on Football.

RESPONSIBILITIES

First Party

- The college will provide space and equipment necessary for the training programme.
- The management committee of college is entrusted with availing the admission procedure for all students selected to the state level through DDS Sports Academy.
- All procedures related to admission will strictly adhere to the rules and regulations stated by University of Calicut, Government of Kerala and MES Asmabi College
- All the admitted students are strictly directed to abide the rules of the College
- The College management committee will provide free accommodation and food to the deserved students
- Sports kit will be availed to the students free of cost.
- The Football team will represent MES Asmabi College while participating in all championships.
- All the eligible students for fee concession will be adequately supported by college management.

Second Party

- Practice for students should be arranged in two sessions– morning and evening.
 - The sole responsibility of imparting practice is vested with DDS Sports Academy.
 - DDS Sports Academy must ensure the service of eminent trainers during the Course of sessions.
-

Threatened status assessment and eco-restoration of endemic tree species and ecosystems in the Western Ghats

MoU - Report of activities

Principal Investigator - Dr. K.H. Amitha Bachan

*Rationale:
This a project supported by BMC, SN Puram, IUCN, MGNREGA & WGHF for the red list assessment of plant species and ecosystem based ecological restoration*



CEtC, Western Ghats Hornbill Foundation & Research
Department of Botany, MES Asmabi College
P. Vemballur

Threatened status assessment and eco restoration of endemic tree species and ecosystems in the Western Ghats

Principal Investigator:
Dr. Amitha Bachan KH

Research Department of Botany
MES Asmabi College, P.
Vemballur



Contents

INTRODUCTION

OBJECTIVES

METHODOLOGY

IUCN RED LIST ASSESSMENTS

NICHE MODELLING AND ECORESTORATION
PLAN PREPARATION

MODEL NURSEY

COASTAL ECORESTORATION PLAN FOR
COASTAL ECOSYSTEM

STUDY OF SACRED GROVE

COASTAL ECORESTORATION
IMPLEMENTATION

SUMMARY AND CONCLUSION

BIBLIOGRAPHY



Introduction

Ecosystem level approach and habitat specific micro level understanding of composition is essential for effective eco restoration practice. Bioclimatic prediction of potential habitat through niche modelling and niche profiling of the threatened species of different ecosystems proposed here to avoid invasion into other species niches while restoration.

This has been experimented successfully for few trees and shrub species. Here we propose for IUCN status assessment, niche modelling and niche profiling of plant species endemic to Western Ghats Sri Lanka Biodiversity hotspots. This can contribute to the research and planning aspect for the species and ecosystem recovery and restoration in plains.

Objectives

▫ Assessment of threatened status of the endemic tree species and ecosystems within the Western Ghats based on IUCN criteria.

▫ Eco restoration planning, niche modelling of threatened species habitat and degraded ecosystems in the Western Ghats and adjoining landscape with public, private and local community participation.

▫ Develop strategic plans, pool funds, develop nurseries, bring out significant publications including that in the IUCN red list.

Methodology

We have been working in the field level data collection, conservation planning, conservation and eco restoration involving local community and various local communities and various government agencies. The IUCN has assigned us with global assessment of 30 species of which ten have been submitted. The methodology involved collection of taxonomic records based on herbarium collection, taxonomic literature and other human observations. The information from IPNI and type herbarium shall be used for taxonomic identity. Data from GBIF, India Biodiversity portal and our own data base and other publications shall be used for geocoding of the distribution records.

Important local herbarium will be visited, GPS data shall be scrutinised and corrected during field visit and using QGIS software. The population data collected for each species through laying out 0.1 ha standard plots (MoEFCC, 2014; Bachan et al., 2019; Bachan and Devika, 2021). The distribution records shall be organised into csv format based on IUCN criteria version 3.1, the mapping will be done through geocat facility and assessment will be completed and submitted through SIS tool kit provided by IUCN.



Methodology

The scrutinised geolocations of the species shall be further organised and niche modelling will be done using Worldclim bioclimatic data base, QGIS and Maxent software in Mac environment. The modified methodology suitable to the Western Ghats region to further incorporate factors of Eltonian niche for better prediction accuracy for the Western Ghats region by Bachan et al., 2021; Bachan and Devika 2022). The phytosociological parameters collected from 0.1 ha plot data will be used for analysing composition, IVI as an indicator and segregating the index in to various growth forms in the forest composition (Mueller-Dombois & Ellenberge, 1974).

The species composition of actual habitat of the selected 12 species shall be profiled both two dimensional and three dimensional using the niche profiling methodology (Bachan and Devika, 2021). The eco restoration plan will be prepared for 12 species based on the niche profile (Bachan, 2020) and shall be submitted to incorporate into the management plan of respective forest department as we did for *Cryptocaraya anamalayana* (Bachan and Devika 2021; Bachan et al., 2019).



IUCN Red List Assessments

A detailed taxonomic scrutiny and multiple criteria based red list assessment were carried out for the following are the submitted redlist assessments

SL. No.	Targeted species	IUCN assessment status	Previous status	Present status
1	<i>Orophea uniflora</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T179207182A179207187.en	NE	NT
2	<i>Goniothalamus cardiopetalus</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T180787950A180787952.en	NE	VU
3	<i>Orophea erythrocarpa</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T179067254A179067264.en	NE	VU
4	<i>Meiogyne pamosa</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T179067254A179067264.en	NE	NT
5	<i>Goniothalamus wynaadensis</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T31158A179201448.en	NE	NT
6	<i>Goniothalamus rhynchantherus</i>	Assessment completed, submitted to IUCN, Published in red list	NE	VU

IUCN Red List Assessments

		https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T32856A179204854.en		
7	<i>Goniothalamus wightii</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T179206765A179206767.en	NE	EN
8	<i>Polyalthia malabarica</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T31161A180812090.en	NE	NT
9	<i>Diospyros crumenata</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/30864/2798277	EN	CR
10	<i>Cryptocarya anamalayana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/38783/138508350	NE	EN
11	<i>Cryptocarya sheikelmudiyana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/187622842/187623277	NE	CR
12	<i>Ficus beddomei</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/210013452/210023277	NE	EN

IUCN Red List Assessments

		https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T32856A179204854.en		
7	<i>Goniothalamus wightii</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T179206765A179206767.en	NE	EN
8	<i>Polyalthia malabarica</i>	Assessment completed, submitted to IUCN, Published in red list https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T31161A180812090.en	NE	NT
9	<i>Diospyros crumenata</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/30864/2798277	EN	CR
10	<i>Cryptocarya anamalayana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/38783/138508350	NE	EN
11	<i>Cryptocarya sheikelmudiyana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/187622842/187623277	NE	CR
12	<i>Ficus beddomei</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/210013452/210023277	NE	EN

IUCN Red List Assessments

13	<i>Syzygium occidentale</i>	Assessment completed, submitted to IUCN, Published in red list	VU	EN
14	<i>Ochna gamblei</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/208974595/209009666	NE	EN
15	<i>Syzygium caryophyllatum</i>	Assessment completed, submitted to IUCN, Under publication	EN	NT
16	<i>Syzygium ramavarmae</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/175221/1419729	NE	EN
17	<i>Ficus costata</i>	Assessment completed, submitted to IUCN, Published in red list. https://www.iucnredlist.org/species/210013545/210023282	NE	VU
18	<i>Ficus dalhousiae</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/210013949/210023287	NE	VU
19	<i>Syzygium bourdillonii</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/32866/149813923	EN	EN

IUCN Red List Assessments

20	<i>Syzygium calophyllifolium</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/210010463/210023247	NE	EN
21	<i>Prioria pinnata</i>	Assessment completed, submitted to IUCN, Published in Red List https://www.iucnredlist.org/species/33647/201031235	EN	VU
22	<i>Syzygium ponmudiyanum</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/22292291/222292498	NE	CR
23	<i>Madhuca balakrishnanii</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/225970375/225970391	NE	CR
24	<i>Syzygium periyarensense</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/201031081/201031398	NE	CR
25	<i>Medinilla anamalaiana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/239579056/239579839	NE	EN

IUCN Red List Assessments

20	<i>Syzygium calophyllifolium</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/210010463/210023247	NE	EN
21	<i>Prioria pinnata</i>	Assessment completed, submitted to IUCN, Published in Red List https://www.iucnredlist.org/species/33647/201031235	EN	VU
22	<i>Syzygium ponmudiyanum</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/22292291/222292498	NE	CR
23	<i>Madhuca balakrishnanii</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/225970375/225970391	NE	CR
24	<i>Syzygium periyarensense</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/201031081/201031398	NE	CR
25	<i>Medinilla anamalaiana</i>	Assessment completed, submitted to IUCN, Published in red list https://www.iucnredlist.org/species/239579056/239579839	NE	EN

NICHE MODELLING AND ECORESTORATION PLAN PREPARATION



Ecoregion level niche specific habitat prediction of threatened *Syzygium caryophyllum* (Myrtaceae)

Syzygium caryophyllum (L.) Alston is a medium-sized threatened tree that mainly occupies the low-elevation evergreen patches of the Western Ghats (India) - Sri Lanka biodiversity hotspot. The present study predicts the potential habitats of *Syzygium caryophyllum* at the ecoregion level for prioritising its conservation and restoration area.

The standardised vegetation and landuse layer used in this model for the prediction of potential niche of the species incorporating biotic factors. The incorporation of standardised vegetation layer for the inclusion of Eltonian factors along with MaxEnt based Ecological Niche Modelling helped to refine its predicted area from 10,824 km² to 8595 km² within the Western Ghats. The ecoregion level prediction for the potential habitat of the threatened tree species provides adequate information for the niche specific conservation and ecorestoration planning ensuring ecosystem-based approach (EbA).



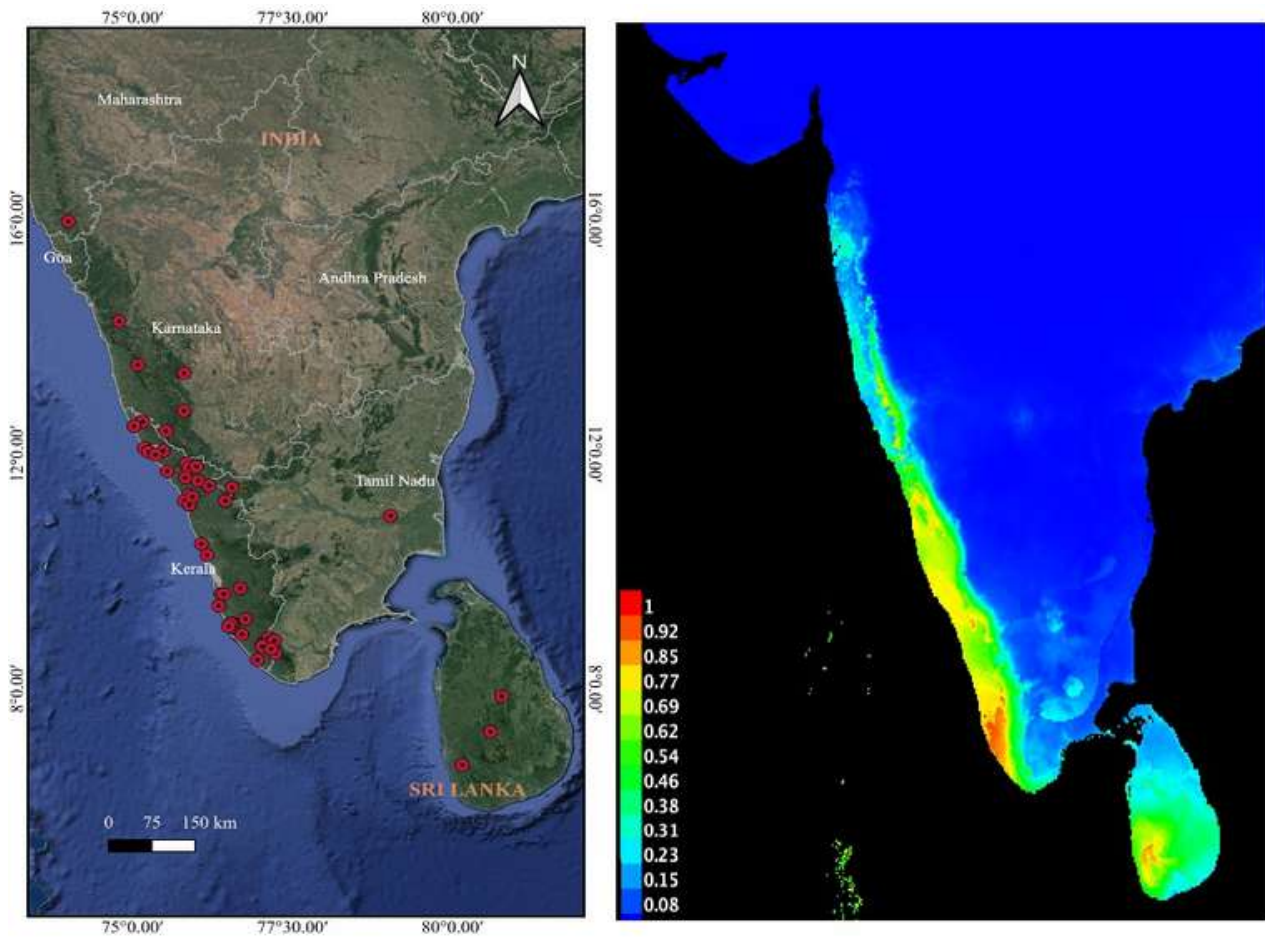
Among the 19 bioclimatic parameters 14 found to contribute to the niches of *Syzygium caryophyllatum*. The primary contributing bioclimatic parameters of *Syzygium caryophyllatum* include Temperature seasonality SD (50%), Annual Precipitation (25.6%), Precipitation of Coldest Quarter (6%), and Temperature Annual Range (4.9%). Among which Temperature seasonality SD and Temperature Annual Range are negatively correlating and Annual Precipitation and Precipitation of Coldest Quarter are positively correlating factors. The niche of *Syzygium caryophyllatum* is defined by a total of 14 bioclimatic parameters, with Temperature Seasonality (50%) making positive and negative the most contribution and Precipitation of the Wettest Quarter (0.2%) making the least

The Receiver Operating Characteristic (ROC) curve for the resulting data, again averaged over the replicate runs. The average test AUC for the replicate runs for *Syzygium caryophyllatum* is 0.92, and the standard deviation is 0.193. The regularised training gain for this species shows the contribution of each bioclimatic variable

The variable with highest gain when used in isolation is Temperature seasonality (BIO - 4). Whereas the variable that decreases the gain the most when it is omitted is Annual Mean Temperature (BIO -1). Turning to the lighter blue bars, it seems that no variable has a significant quantity of important information that isn't already present in the other variables, as eliminating each variable separately did not significantly reduce the training gain.

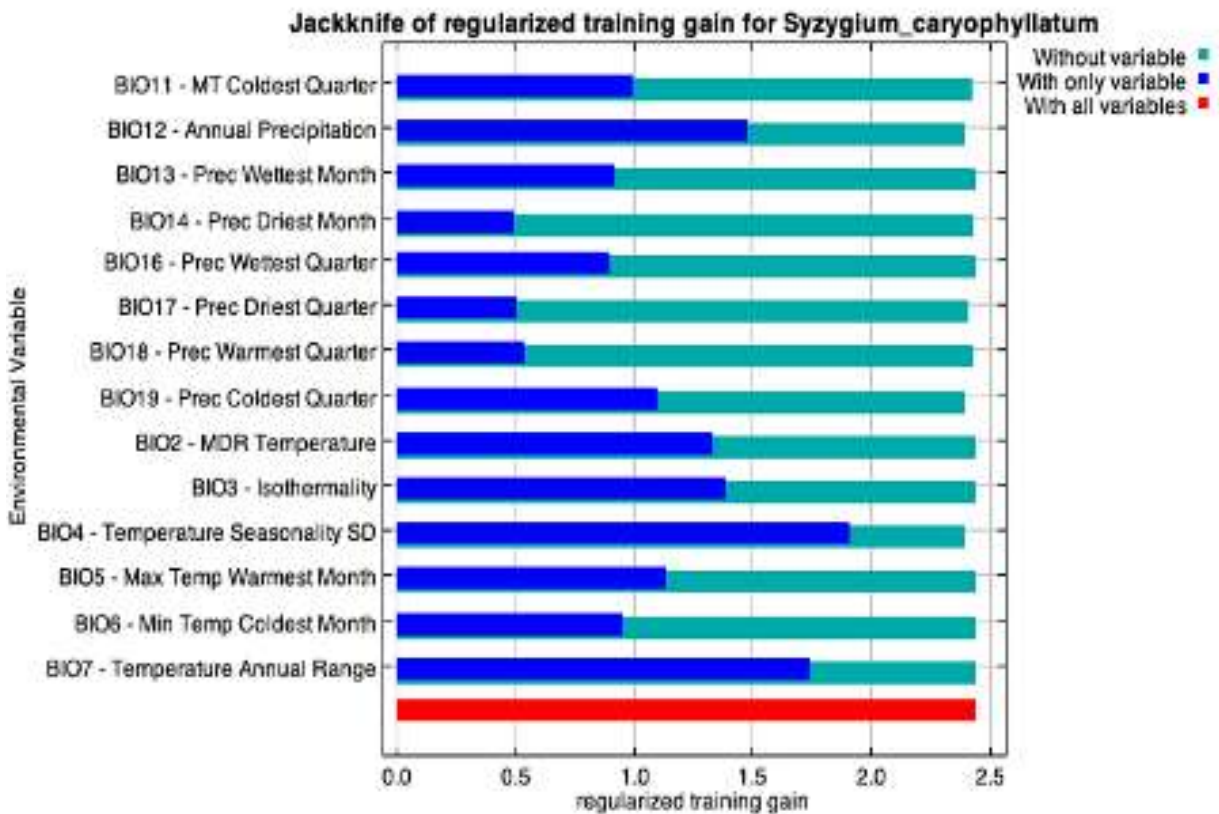


Sl. No.	Bioclimatic Variables	Percent Contribution	Permutation Importance
1	BIO4 - Temperature Seasonality SD	50.9	72.6
2	BIO12 - Annual Precipitation	25.6	16.7
3	BIO19 - Precipitation of Coldest Quarter	6	3.3
4	BIO7 - Temperature Annual Range	4.9	0.5
5	BIO3 - Isothermality	3.8	0
6	BIO11 - Mean Temperature of Coldest Quarter	2.7	1.9
7	BIO14 - Precipitation of Driest Month	1.9	0.5
8	BIO17 - Precipitation of Driest Quarter	1.5	2.3
9	BIO13 - Precipitation of Wettest Month	1	0.3
10	BIO2 - Mean Diurnal Range	1	0.3
11	BIO6 - Minimum Temperature of Coldest Month	0.5	0
12	BIO18 - Precipitation of Warmest Quarter	0.4	0
13	BIO8 - Mean Temperature of Wettest Quarter	0.3	0.4
14	BIO16 - Precipitation of Wettest Quarter	0.2	1.4



Add a little bit of turning to the lighter blue bars, it seems that no variable has a significant quantity of important information that isn't already present in the other variables, as eliminating each variable separately did not significantly reduce the training gain. In each iteration of the training process, the rise in regularized gain is added to the contribution of the related variable to produce the first estimate; if the change in the absolute value of lambda is negative, it is deducted from it. For the second estimate, the values of each environmental variable on the training presence and background data are randomly permuted. It is reevaluating the model using the permuted data results in a decrease in training AUC, which is displayed in the table normalized to percentages.



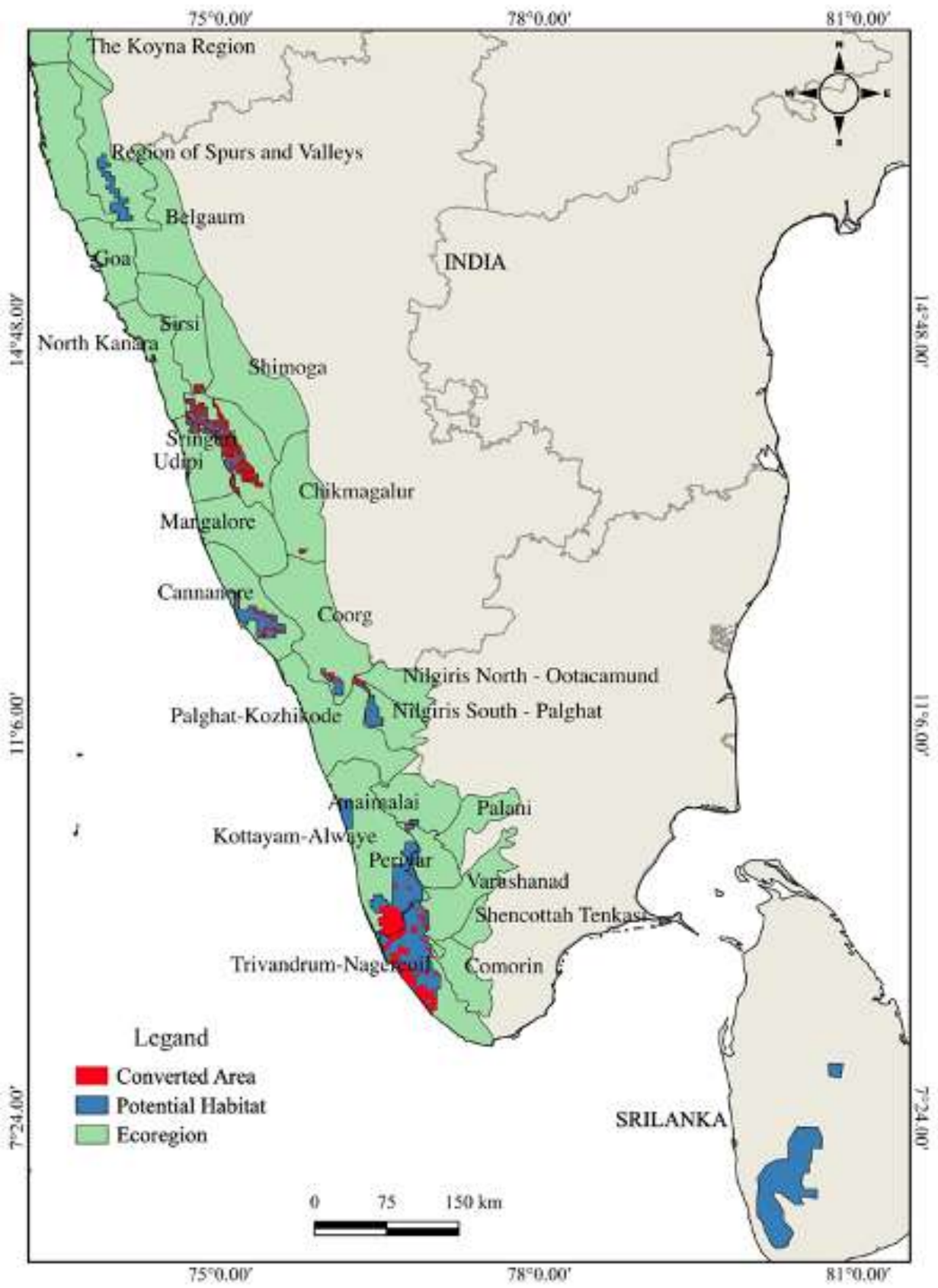


The actual distribution of the species is given (Fig. 3a) which shows its distribution range across the Western Ghats Sri Lanka biodiversity hotspot from the coastal sacred groves to low land evergreen forest upto an elevation of 1160 m. The total predicted area of *Syzygium caryophyllum* is estimated about 15177.8 km² (shown in red and orange). More prediction observed in the ecoregions of Trivandrum - Nagercoil, Kottayam - Alwaye, Sringeri, Cannanore. The species bioclimatic forecast demonstrates consistent habitat suitability throughout the Western Ghats, primarily in the lower plains, which is the area subjected to total conversion of the habitats.

The prediction obtained for the threatened tree *Syzygium caryophyllum* is a total of 15177.8 km² using bioclimatic envelop modelling using the MaxEnt of which 10,824.5 km² area was predicted from the 12 ecoregions within the Western Ghats (Fig. 4). The predictions were refined to 8,595 km² using this present model (Amitha Bachan & Devika, 2023) which incorporate classified vegetation layers as biotic input. Rotenberry et al. (2006) suggested biotic layer inputs for Eltonian components in SDMs to improve predictions. Eltonian niche elements must be taken into account in order to define a species' habitat,

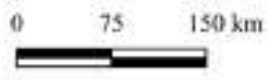
Sl. No.	Ecoregion	Predicted Habitat (km ²)	Potential Habitat (km ²)	Converted Habitat (km ²)
1	Trivandrum-Nagercoil	3516.30	2681.58	834.714
2	Kottayam-Alwaye	2547.80	1922.57	625.23
3	Periyar	143.86	134.389	9.471
4	Anamalai	40.50	37.616	2.884
5	Nilgiris South-Palghat Hills	454.70	411.625	43.075
6	Coorg	260.92	220.434	40.486
7	Cannanore	982.56	889.62	92.940
8	Chikmagalur	28.57	15.706	12.864
9	Sringeri	1918.26	1406.823	511.437
10	Sirsi	87.68	64.926	22.754
11	Region of Spurs and Valleys	662.52	662.52	0
12	Udipi	180.83	147.744	33.086
13	Sri Lanka	4353.30	4353.30	0
	Total	15177.8	12948.853	2228.941

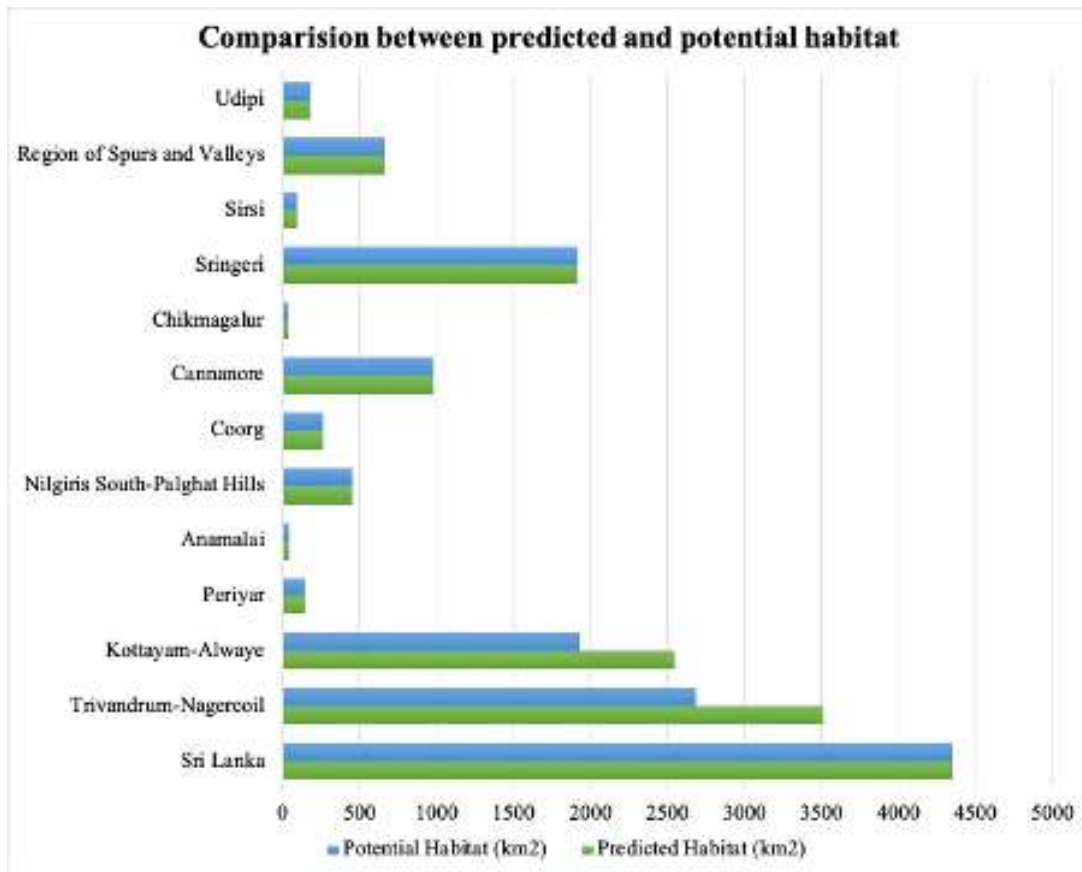
Major ecoregions with possible habitats for *Syzygium caryophyllatum* include Sringeri (1,406 km²), Trivandrum- Nagercoil (2,681 km²), Cannanore (889 km²), Kottayam- Alwaye (1922 km²), and Nilgiris South-Palghat Hills (441 km²). This demonstrates that the 2,228.9 km² of the predicted region was altered as a result of anthropogenic activities such as reservoirs and dams, plantations, and agricultural uses, making the area unsuitable for the restoration of niche-specific species (Fig. 5). Area with more habitat conversation, only the sacred groves are the actual habitat in the potential habitat of the coastal region.



Legend

- Converted Area
- Potential Habitat
- Ecoregion





The lowland evergreen forests especially sacred groves are the most preferred habitat of the species and which is confirmed through the modelling. There are 22 subpopulation for the species among which the largest sub population has 30 adult individuals. The species is observed to have close associations with *Vateria indica*, *Hopea ponga*, *Hopea parviflora*, and *Memecylon umbellatum* (Devika & Amitha Bachan, 2023). The incorporation of more location information provided an Area of Occupancy (AOO) of 196 km² and an Extent of Occurrence (EOO) of 255,677 km² in its recent assessment (Devika & Amitha Bachan, 2023).

Even though ex situ seed germination and conservation at a few locations are in place for the species, the low germination rate and small number of mature individuals, each in small sub-populations within the rapidly vanishing low land forests and sacred groves, make this species vulnerable.

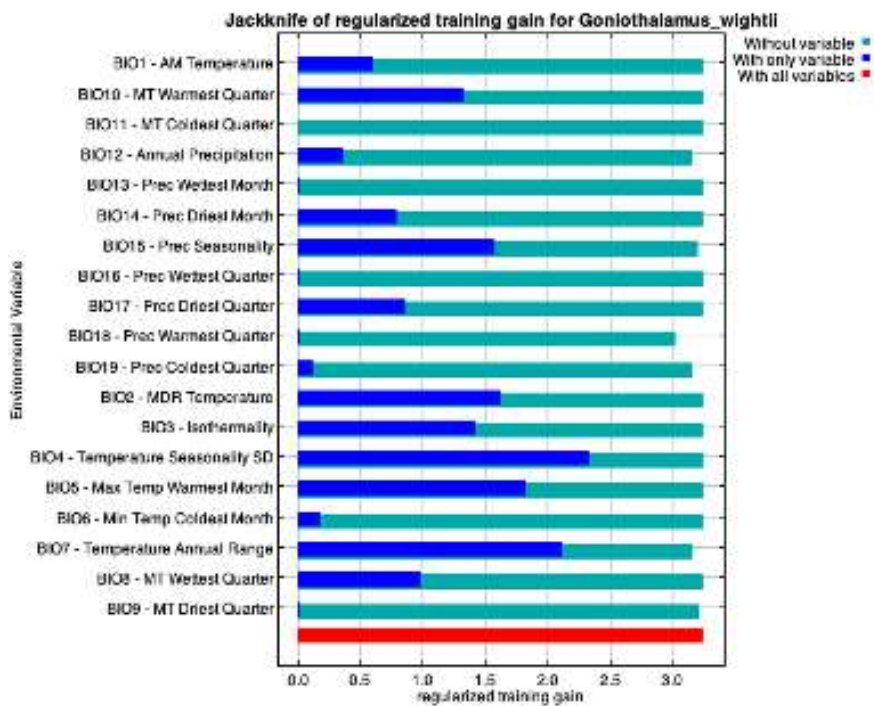


ECOREGION LEVEL NICHE SPECIFIC HABITAT PREDICTION OF THREATENED GONIOTHALAMUS SPECIES

The major four factors contributing to *G. cardiopetalus* are Temperature seasonality (BIO4), Temperature Annual Range (BIO7), Isothermality (BIO3), Maximum Temperature of Warmest Month (BIO5), MT Wettest Quarter (BIO9), MT Warmest Quarter (BIO10). For *G. rhynchantherus* is Precipitation of Driest Month (BIO14), Precipitation Seasonality (BIO15), Precipitation of Driest Quarter (BIO17), Temperature Seasonality (BIO4). For the *G. wightii* Precipitation of Driest Month (BIO14), Precipitation of Driest Quarter (BIO17), Temperature Seasonality (BIO4), Maximum Temperature of Warmest Month (BIO5). The maximum contribution for defining the niche of *G. wynaadensis* is Precipitation of the Coldest Quarter (BIO19)

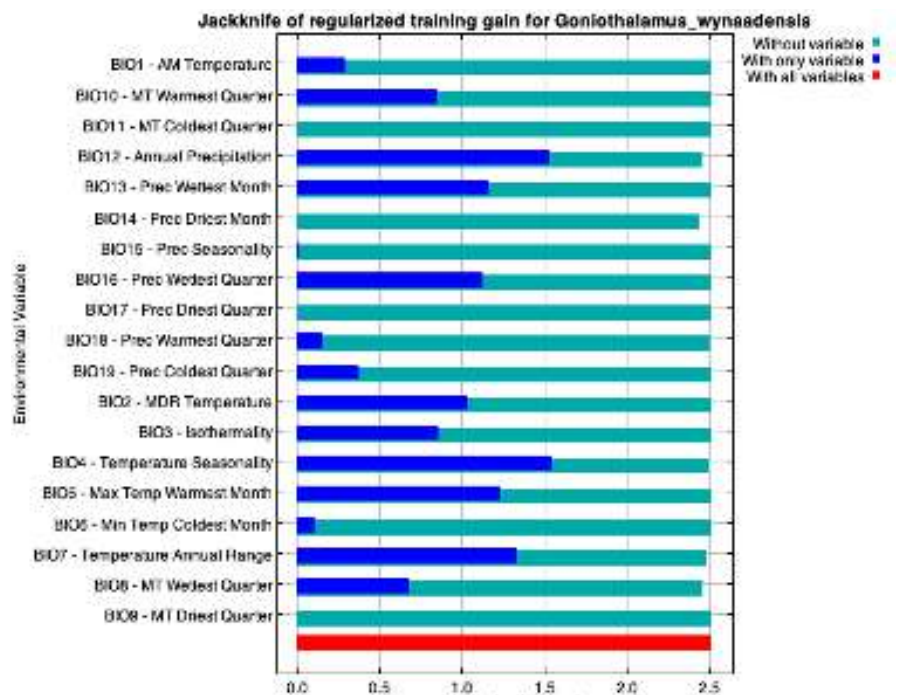


Annual Precipitation (BIO12), Precipitation of Wettest Month (BIO13), Precipitation of Wettest Quarter (BIO16), Temperature Seasonality (BIO4). The factors of precipitation including annual precipitation and precipitation in the driest months of the quarter, show a positive correlation, and the factors of temperature, including its seasonality and maximum temperature in the dry and cold periods, show a negative correlation for defining niches for these species.

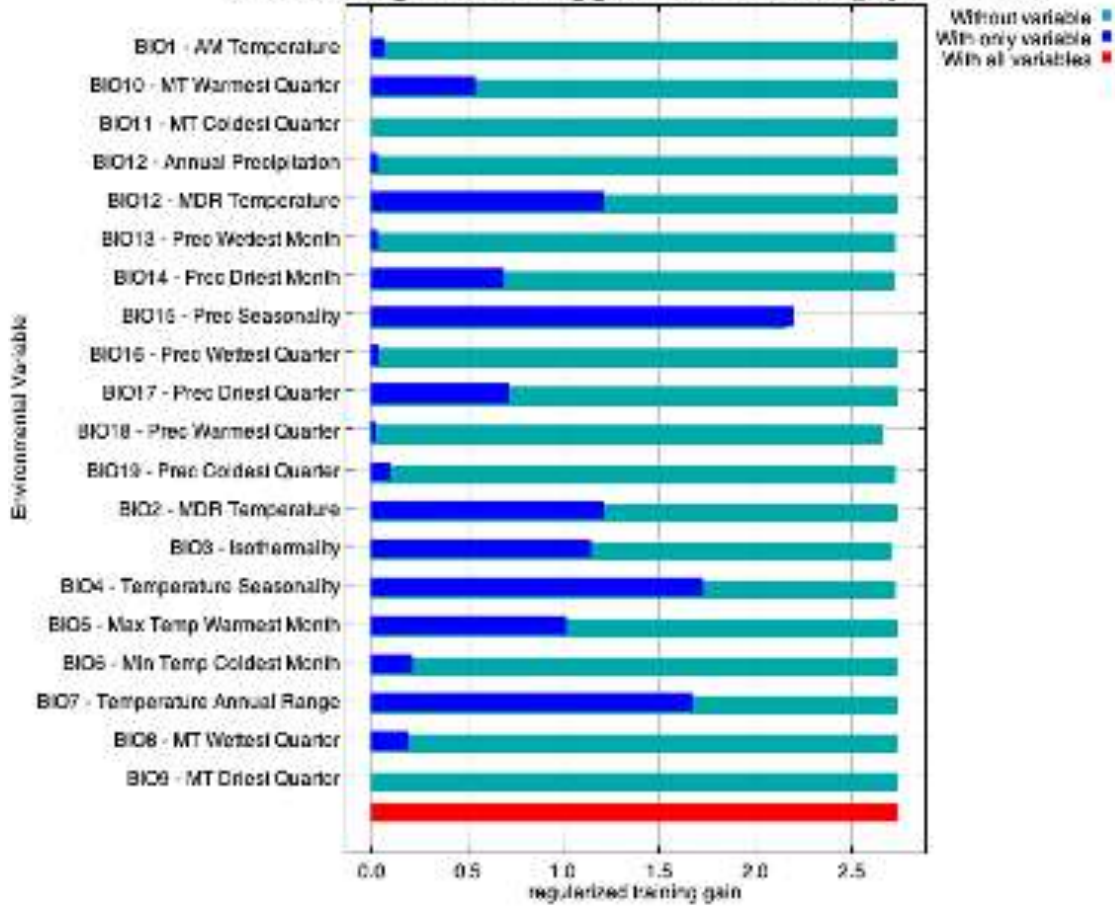


The niche modelling standardised with classified vegetation layer as biotic input provides highly specific information for the potential niche-specific habitat of the four species of *Goniothalamus* endemic to the Western Ghats (Table 1). The widest and maximum potential habitat is for *G. cardiopetalus*, with 3.624 km² of potential habitat within seven ecoregions.

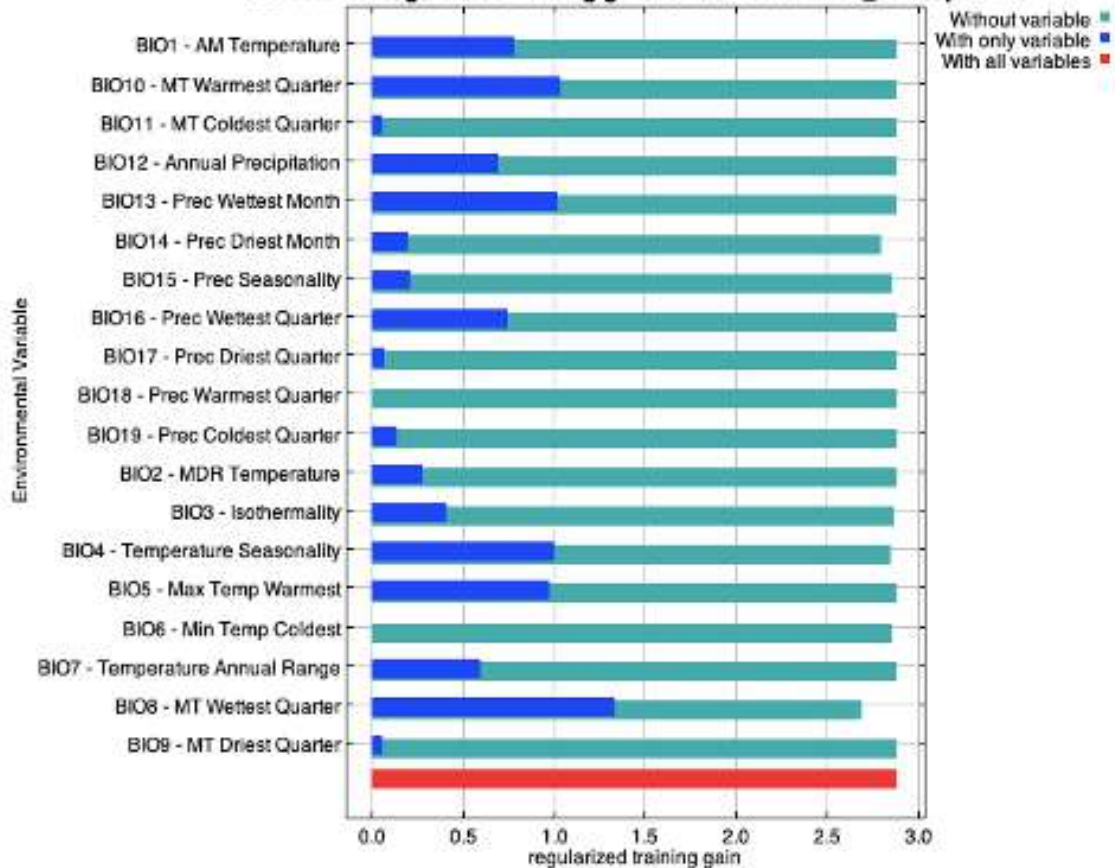
This is followed by *G. wightii*, distributed across seven ecoregions with a potential habitat of 2.609 km². *G. wynaadensis* has the maximum number of converted habitats, with a present potential area of 2.211 km² within six ecoregions (Fig. 4). *G. rhynchantherus* is the most restricted species, with a potential habitat of only 0.56 km² within three ecoregions in the extreme south of the Western Ghats.



Jackknife of regularized training gain for *Goniothalamus_rhynchantherus*



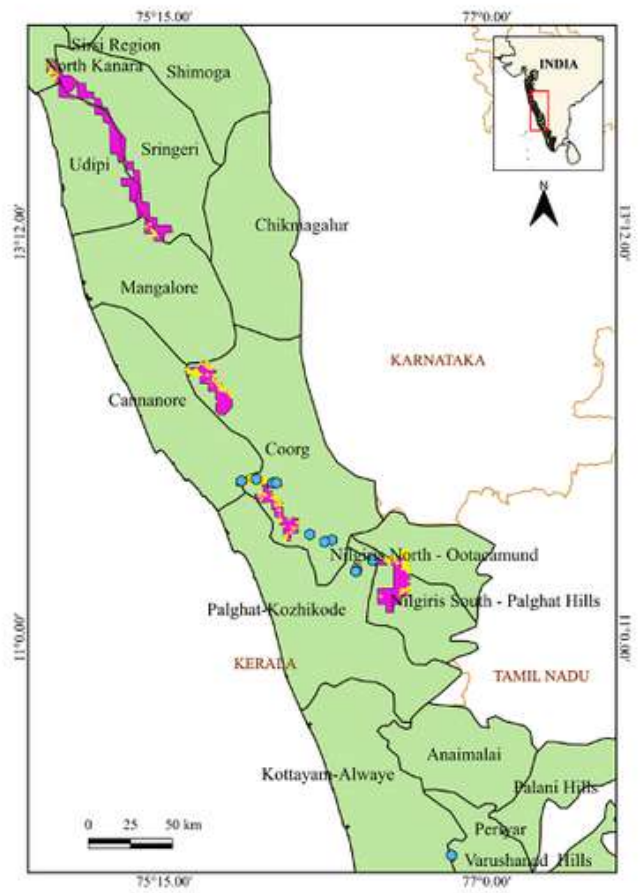
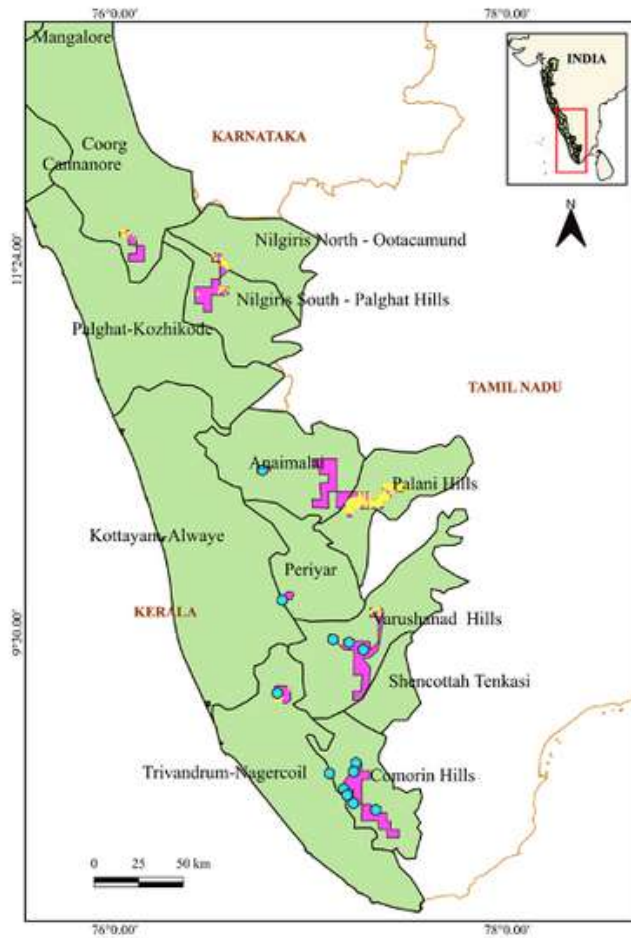
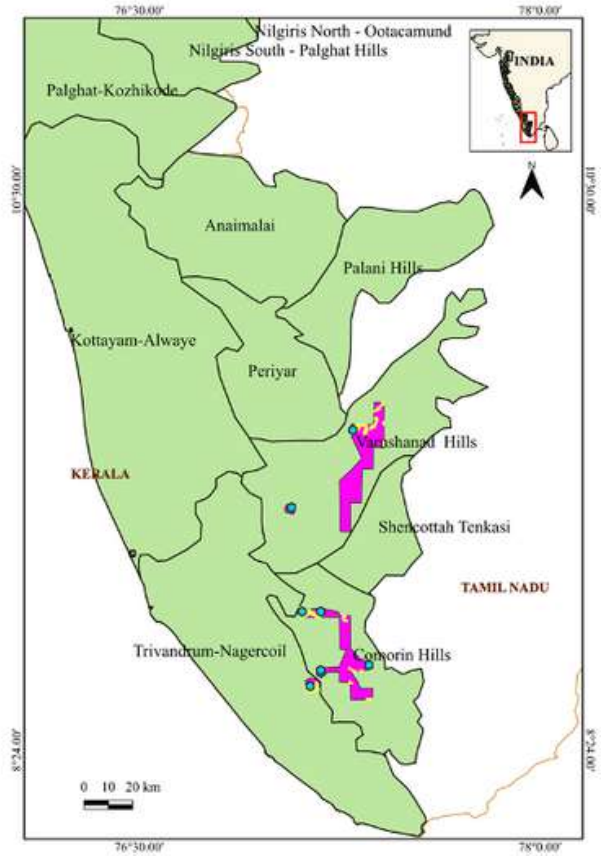
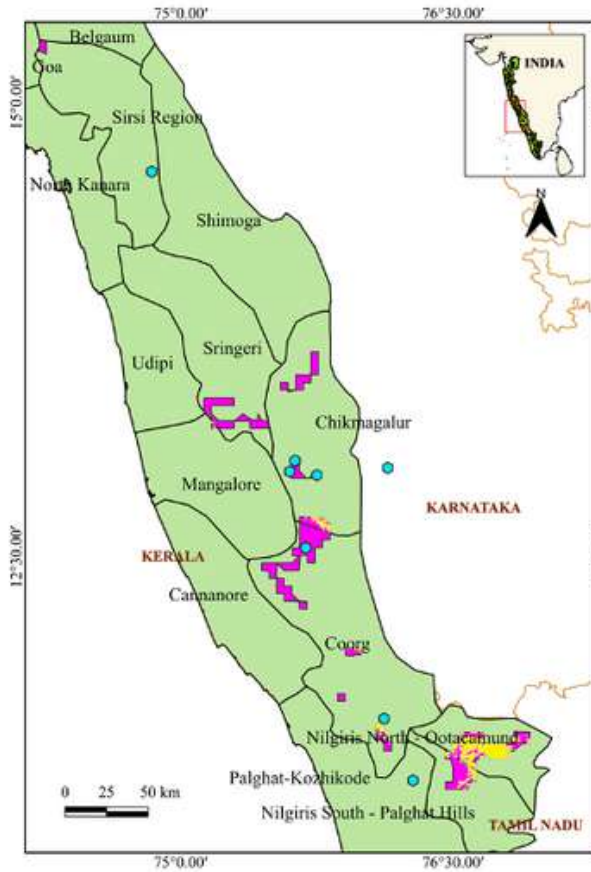
Jackknife of regularized training gain for *Goniothalamus_cardiopetalus*



The predictions provide clear picture of the niche partitioning even though these phylogenetically related species are within the tropical rainforest biomes of the Western Ghats. The actual distribution location which lack maximum predictions were three locations for *G. cardiopetalus* is zero for *G. rhynchantherus*, one for *G. wightii* and two for *G. wynaadensis*. Apart from the actual distribution, new predictions were obtained for *G. cardiopetalus* (4), *G. rhynchantherus* (1), *G. wightii* (3), *G. wynaadensis* (5). These ecoregions could have conservation and ecorestoration potential and possibility for encounter for the species

. *Goniothalamus rhynchantherus* and *Goniothalamus wightii* show partial similarity in bioclimatic parameters (Fig. 5) which is chiefly reflected by the precipitation of Driest Month (BIO14) and Quarter (BIO17), indicating more wet rainforest niches. The maximum bioclimatic correlation is shown between *G. wightii* and *G. wynaadensis*, where multiple factors of temperature determine the niche suitability of the species. The figure provides more clarity on the differences in bioclimatic factors that define these four species (Fig. 5). The results indicate the WorldClim bioclimatic parameters can well differentiate niches of closely related species or their populations in space and time.

Species	No. Ecoregion (NM)	No. Ecoregion	Predicted Potential Area (NM) km ²	Predicted Potential Area km ²
<i>G. cardiopetalus</i>	8	7	20.67	3.624
<i>G. rhynchantherus</i>	3	3	7.32	0.56
<i>G. wightii</i>	9	7	17.86	26.09
<i>G. wynaadensis</i>	10	6	20.16	22.11



Model Nursery

The Western Ghats Hornbill Foundation and Research Department of Botany at MES Asmabi College officially inaugurated the seed germination centre for threatened tree species. Seedlings of nine threatened (IUCN) tree species were successfully germinated this year to use in the identified restoration sites based on niche profiling and niche modelling. In collaboration with forest department and local community the restoration processes will be taken place. The rain forest tree species such as *Diospyros crumenata*, *Prioria pinnata*, *Hopea ponga*, *Hopea parviflora*, *Baccaurea courtallensis*, *Humboldtia vahliana*, *Aporosa bourdillonii*, *Syzygium occidentale* were produced more in number.



[Handwritten signature]

RAHANA P ANAND
PEN NO.581997
SECRETARY
SREENARAYANAPURAM GRAMPANCHAYAT
THRISSUR, KERALA, INDIA-680066
Ph:+91 4802850252



Community Nursery

The Community nursey was developed by the local women through MGNREGA scheme to spread the message of local gene pool in local nursery in collaboration with "Make A Difference Week" of Society for Ecological Restoration (SER) as part of Environment Day celebrations.



Signature
RAHANA P ANAND
 PEN NO. 581997
 SECRETARY
 SREENARAYANAPURAM GRAMAPANCHAYAT
 THRISSUR, KERALA, INDIA-686668
 Ph:+91 4802350252

COASTAL ECORESTORATION PLAN FOR COASTAL ECOSYSTEM



The Sree Narayana Puram Grama panchayat (SN Puram) requisite to develop a perspective strategic plan for the conservation, monitoring and ecorestoration of the coastal ecosystems and its biodiversity involving local community and Biodiversity Management Committee (BMC). The panchayat has diverse coastal representee ecosystems such as sacred groves, Pandanus thickets, river, ponds, associated water bodies and sand dunes. The very umbilical relationship of the people for their livelihood and cultural wisdom are the reason for the richness of the region. The paradigm shift into capital economy based livelihood means requisite new perspectives and strategic planning involving the local community for the conservation and ecorestoration of these biodiversity heritage.

The Sanghukulangara Kavu and Pandanus (Screw pine species diversity) are some good examples of people concerned towards conservation of our biodiversity richness. A strategic plan is envisaged here for the conservation and ecorestoration of biodiversity richness in the Gama Panchayat. The limited fund made available to the panchayat by the Kerala State Biodiversity Board (KSBB) is being utilised for developing a perspective plan, detailed project document along with primary initiatives for ecorestoration and ecological monitoring in the Grama Panchayat. This has been implemented as a decision from the BMC involving the Research Department of Botany MES Asmabi



Handwritten signature

RAHANA PANAND
PEN NO. 581997
SECRETARY
SREE NARAYANAPURAM GRAMAPANCHAYAT
THIRUSSUR, KERALA, INDIA-690058
Ph: +91 4622850252

Detailed Project Proposal (DPR) for the community based conservation, monitoring and eco restoration of coastal ecosystems and its biodiversity

Identified different ecosystems in the Panchayath

The SN puram Grama panchayat is part of sandy deposits and related coastal ecosystems in a coastal evergreen rainfed climate nourished with inflow from the catchments of Periyar and Chalakudy rivers from the Western Ghats. The field study and mapping has identified seven different kinds of ecosystems within the SN puram Grama Panchayat. These are i. Coastal sandy beaches ii. Sacred groves iii. Fresh water stream draining to the sea (Arappathodu) iv. Pandanus thickets v. Freshwater ponds vi. Small Freshwater channels vii. Backwater (Canoly canal). The Panchayat has few better samples of these ecosystems such as the Sanghukulangara Kavu and the Canoly canal backwater. The remaining all are represented with relics of vegetations or are in highly degraded conditions.

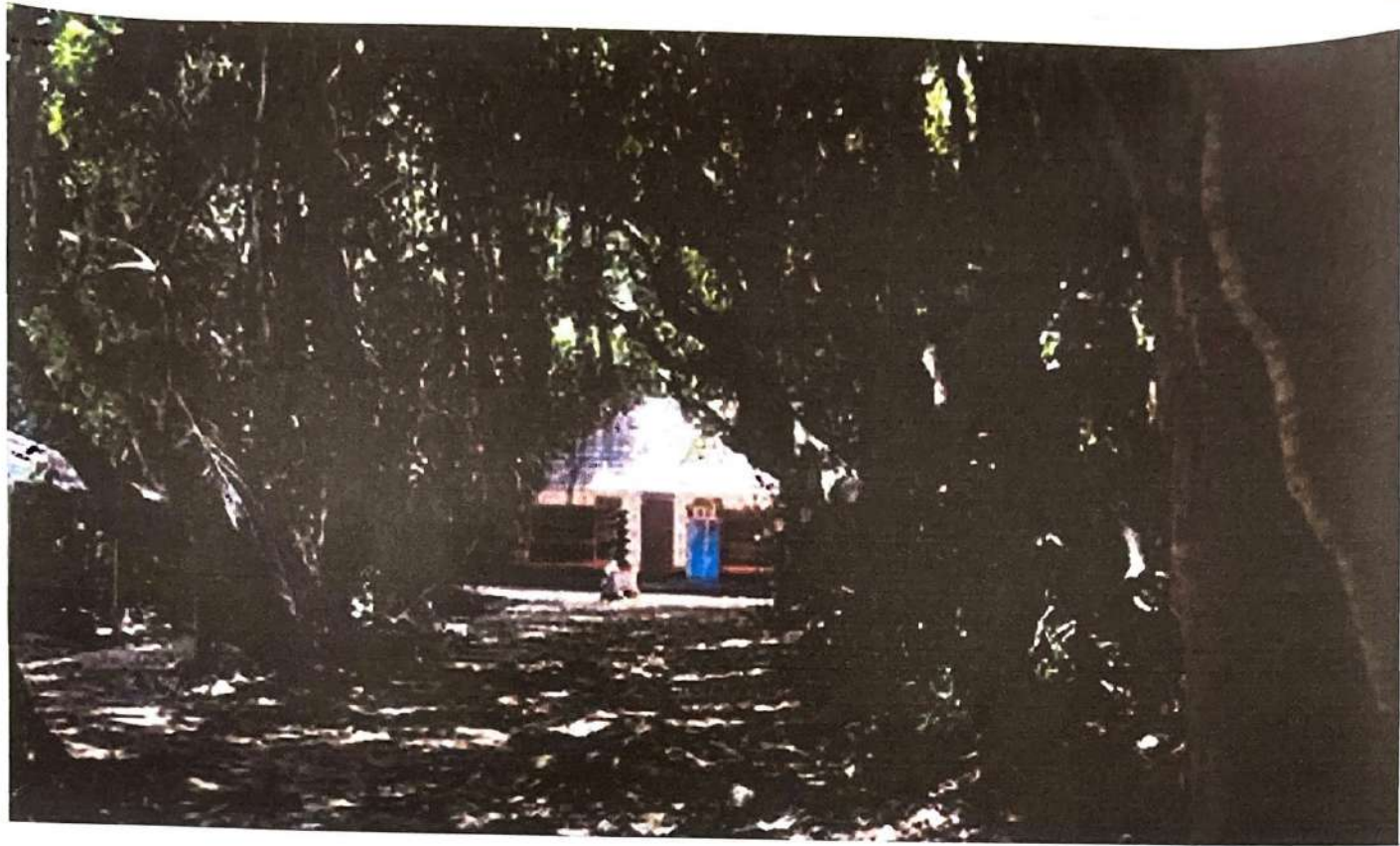


Coastal sandy beaches

Local history indicated that the shoreline had sand dunes which was later mined and eroded. The area is facing serious threat of coastal erosion, the recent interventions with granite sea walls also failing. The recent climate change induced cyclones, sea upwelling also made stabilization and restoration of the sandy shores very essential. The field study indicated the vegetation embankment using Casuarina is not effective in checking sand erosion since the trees are not deep rooted (Fig. 2). Eco restoration of native vegetation through scientific profiling has been recommended as a remedy for stabilization of the sea shore.



Rahana P Anand
RAHANA P ANAND
PEN NO. 581997
SECRETARY
SREENARAYANAPURAM GRAMAPANCHAYAT
THRISUR, KERALA, INDIA-680688
Ph: +91 4802850252



The Sanghukulangara Kavau is one of the best representatives of the coastal evergreen forest grove in central Kerala (Fig. 3). The Panchayat has similar small sacred groves under the ownership of different families. All these are maintained traditionally by the families with the support of the local community.



The Sanghukulangara Kavau is conserved and maintained by Kizhakootu Family traditionally and has been registered as a Trust named 'Kizhakootu Family Trust'. Increased soil erosion waste deposition at the pond can lead to die-off of roots of the old growth trees and may lead to tree fall. Dieback of old canopy trees is also observed there, incident of fall of a mature tree in the Kavau is observed during this monsoon also. Proper physical management facilities especially zonation to manage intervention of people, waste deposition, vehicle transport, protection of existing best vegetation samples with a buffer plantations, embankments and soil filling to prevent soil erosion and ecorestoration in vacant areas based on scientific profiling are recommended.



[Signature]
ANANDA P ANAND
 PEN NO. 581997
 SECRETARY
 SREENARAYANAPURAM GRAMAPANCHAYAT
 TRISSUR, KERALA, INDIA - 686068
 PH: 91 4802630252



Arappathodu – fresh water stream draining to the sea.



Pandanus thickets at the beach



[Signature]
RAHANA P ANAND
PEN NO.581997
SECRETARY
ARSENAPURAM GRAMAPANCHAYAT
THRISSUR, KERALA, INDIA-680669
PH: +91 4802850852



Fresh water ponds



Fresh water channels



PERIOD OF VALIDITY

DDS Sports academy is a facility set up to develop young Footballers. Its most often thought of as a training school to teach young players how to play football, and how to meet the clubs specific standard. By helping you to see the game in a more positive light, we will make learning enjoyable and ensure you can grow and improve.

ABOUT THE PROGRAMME

The college will provide space and equipment necessary for the training programme. The management committee of college is entrusted with availing the adrien procedure for all students selected to the state level through DDS Academy. All procedures related to admission will strictly adhere to the rules and regulations stated by university of calicut, Government of Kerala and MES Asmabi College. All the admitted students are strictly directed to abide the rules of the college. The college management committee will provide free accommodation and food to the deserved students Sports kit will be availed to the students free of cont. The Football tears will represent MES Asmabi College while participating in all championships All the eligible students for few concession will be adequately supported by college management. Practice for attends shade arranged in two sessions morning and evening. The sole responsibility of innating practise vested with DOS sports Academy, DDS Sports Academy must ensure the service of eminent trainers during the course of sessions

SIGNED BY BOTH PARTIES

First Party



Second Party

Mr. Kannan N Sukumaran
President



MES ASMABI COLLEGE
P. VEMBALLUR

with



DOLPHIN SHIPPING LINE (UK) LTD

ABOUT

"The Placement Drive Orientation Programme prepares students for professional success by imparting interview skills and industry insights, ensuring readiness for internship interviews and future employment opportunities."

Title	: Placement Interview, Internship interview and Orientation Programme
Co-ordinator	: Anjana T.T
Organizing Department /Cell	: Logistics Management
Date & Duration	: 9/11/2022
No: of participants	: 70

OBJECTIVES OF THE PROGRAM

To provide job to outgoing students of the department and orientation programme to first year students.

DETAILED DESCRIPTION OF THE EVENT

Placement Interview, Internship interview and Orientation Programme were conducted on 9/11/2022 Wednesday from 10.30 AM Onwards. Orientation programme was conducted by Ms Jeena Jacob(Branch Manager Dolphin Shipping Line (UK) LTD. The event was presided by Dr A Biju (Principal MES Asmabi College) and Chairman Sri AspinAshraf (MES Asmabi College) was present. All the events were coordinated by Sri AbdulYafiz (Head, Dept. Of LogisticsManagement) and AssistantProfessors Ms AnjanaT T, Ms Sruthi Dineshand Ms Mamatha Thilak.

OUTCOME OF THE EVENT/EVALUATION BY PROGRAM COORDINATOR

For first year students as a part of orientation they get a general awareness about the exporting and importing. 5 students got internship placement and 2 students got placement.

BROCHURE OF THE EVENT

MES ASHABI COLLEGE,
P.VEMBALLUR

Department of Logistics Management
& Placement Cell
In association with

DOLPHIN SHIPPING LINE (UK) LTD
Organising
**Placement Drive &
Orientation
Programme**

Chief guest
JEENA JACOB
Branch Manager Dolphin
Shipping Line (UK) Ltd

9TH NOV 2022
10.30AM
SEMINAR
HALL

ABDUL YAFIZ K.M
HOD
DEPARTMENT OF LOGISTICS MANAGEMENT

DR. A. BIJU
PRINCIPAL
MES ASHABI COLLEGE

PLACEMENT INTERVIEW



First Party

AHAMED SHABEER
MANAGING DIRECTOR

Second Party





MES ASMABI COLLEGE P. VEMBALLUR

with



MUZIRIS HERITAGE PROJECT

ABOUT

"Industrial exposure training provides hands-on experience, bridging the gap between theoretical knowledge and real-world applications, enhancing practical skills crucial for professional success."

Title	: Industrial Exposure Training
Co-ordinator	: Rasmin Mohd Ismail
Organizing Department /Cell	: Tourism & Hospitality Management
Date & Duration	: 4th January 2022 - 4th April 2022
No: of participants	: 1

OBJECTIVES OF THE PROGRAM

To acquire practical knowledge and skills that are valuable in the travel industry

DETAILED DESCRIPTION OF THE EVENT

In collaboration with Muziris Heritage Project the Dept of Tourism and Hospitality Management conducted a four-month Industrial Exposure Training program as a part of our syllabus from 4th January 2022 to 4th April 2022. The training program was conducted at various sites of the Muziris Heritage Project. Industrial Exposure Training is to provide to students the feel of the actual working environment and to gain practical knowledge and skills, which in turn will motivate, develop and build their confidence. Industrial Training is also expected to provide the students the basis to identify their key operational area of interest.

OUTCOME OF THE EVENT/EVALUATION BY PROGRAM COORDINATOR

Through this training program students were able to execute guest relation management, to organise tour packages and to act as tour guides.

STUDENT PARTICIPATED IN THE PROGRAM

Aslam Faris

CERTIFICATE



First Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671



Second Party
Sri. P M Noushad (MD)



Centre for Ecology, Taxonomy, Conservation & Climate Change (CEtC) An Extension centre of Western Ghats Hornbill Foundation

MoU - Report of Activities



@ Research
Department of Botany,
MES Asmabi College



Rationale:

This is the MoU between the extension centre of the Western Ghats Hornbill Foundation and MES Asmabi College, P. Vemballur.

Western Ghats Hornbill Foundation has been working with government departments, civil society groups and local communities for conservation and inclusive management of species and ecosystems. We have been focusing more on species habitat and ecosystem modelling for conservation and ecorestoration. This includes various ecosystems across the Western Ghats and its western coast with niche specific scientific planning and implementation. We envisage to ensure scientific planning to accommodate local niche specific species diversity with a minimum set of protocols which enables EbA and SDGs. We provide technical support for ecological restoration of sacred groves, coastal zones, degraded forests, threatened species.



Highlights during 2018 – 2023

Project and Consultancies -9
Community Involved Conservation and Ecorestoration -12
Extension and Community Empowerment -26
Empowerment of Indigenous Communities-7
Internships and Fellowships -14
Workshops and Conferences -8
Publications - 32
Media reports - 36



Major Activities conducted during the period

- IUCN Red List Assessments
- Ecological restoration of disaster-hit coastal zones involving **MGNREGA**
- Community Involved
- Conservation and Restoration of Sacred groves
- Empowerment of Indigenous community
- Threatened species conservation
- Hornbill Conservation and Monitoring



Dr. Amitha Bachan. K. H
Assistant Professor & Research Guide
Research & P.G Department of Botany
MES Asmabi College, P.Vemballur
Kodungallur, Thrissur-680671, Kerala-India


Director Administration
Western Ghats Hornbill Foundation



COASTAL ECORESTORATION FOR CLIMATE CHANGE RESILIENCE AND SUSTAINABLE DEVELOPMENT GOALS



Niche profiled tree composition were planted in the coastal belt as a vegetation belt along the coast near to the sea wall as a barrier against coastal erosion...





**തീരദേശ ആവാസവ്യവസ്ഥ
പുനഃസ്ഥാപനവും
ജൈവ സംരക്ഷണവും**



"ആവാസവ്യവസ്ഥയുടെ ആരോഗ്യം, സമഗ്രത, സുസ്ഥിരത എന്നിവയിലേക്കുള്ള വീണ്ടെടുക്കലുമായി ബന്ധപ്പെട്ട തകർന്നതോ കേടുവന്നതോ നശിച്ചതോ ആയ ഒരു ആവാസവ്യവസ്ഥയുടെ വീണ്ടെടുക്കലിനെ സഹായിക്കുന്ന പ്രക്രിയ "എന്നാണ് ആവാസവ്യവസ്ഥ പുനഃസ്ഥാപനത്തെ നിർവചിച്ചിരിക്കുന്നത് (SER, 2004).



BMC
എസ് . എൻ. പുരം
ഗ്രാമപഞ്ചായത്ത്
&
പശ്ചിമഘട്ട വേഷാമ്പൽ
ഐഐജി (WGHF)

Ecorestoration of Sacred Grove at Nattika



Niche specific restoration of degraded sacred grove using germinated low elevation species

CEtC WGHF at MES Asmabi College campus & Sree Narayana College Nattika





MAKE A DIFFERENCE WEEK EVENT



Launching MAD Week Event

“Local Genepool in Local Nurseries for Ecosystem Restoration and Climate Resilience”

School children participating in coastal restoration



Nurseries involving women in MGNREGA Scheme



Nursery for threatened rain forest tree species restoration



Media reports



ഖൊരുതാം, ഒറ്റക്കെട്ടായി...

ശ്രീനാരായണപുരം പഞ്ചായത്തിലെ ഭരണഘടനാദിന കമ്മ്യൂണിറ്റി ക്യാമ്പുകളുടെ നേതൃത്വത്തിൽ ഭരണഘടനാദിന പരിപാടിയുടെ ഭാഗമായി കർണാടകം എന്ന പദം ഉപയോഗിച്ചുകൊണ്ടുള്ള പ്രതിഷേധപരിപാടി

അന്താരാഷ്ട്ര തവേഷണ ഗ്രാന്റ് നേടി ദേവിക



കൊടുങ്ങല്ലൂർ ഏഷ്യാനി അന്താരാഷ്ട്ര തവേഷണ ഗ്രാന്റ് നേടി ദേവിക

ദേവിക

അന്താരാഷ്ട്ര തവേഷണ ഗ്രാന്റ് നേടി ദേവിക. ഇന്ത്യയിൽ അറിയപ്പെടുന്ന ഒരു അന്താരാഷ്ട്ര തവേഷണ ഗ്രാന്റ് നേടി ദേവിക. ഇന്ത്യയിൽ അറിയപ്പെടുന്ന ഒരു അന്താരാഷ്ട്ര തവേഷണ ഗ്രാന്റ് നേടി ദേവിക.

ചന്ദ്രിക പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവിക ഏഷ്യാനിയിൽ



ഏഷ്യാനിയിൽ പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവിക ഏഷ്യാനിയിൽ. പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവിക ഏഷ്യാനിയിൽ.

Kochi Edition
May 17, 2024 Page No. 1
Powered by : ch100.com

ശ്രീനാരായണപുരം പഞ്ചായത്ത്

ജൈവവൈവിധ്യ പരിപാലന പദ്ധതി ഒന്നാംഘട്ടം പൂർത്തിയായി



ജൈവവൈവിധ്യ പരിപാലന പദ്ധതി ഒന്നാംഘട്ടം പൂർത്തിയായി

ജൈവവൈവിധ്യ പരിപാലന പദ്ധതി ഒന്നാംഘട്ടം പൂർത്തിയായി. ജൈവവൈവിധ്യ പരിപാലന പദ്ധതി ഒന്നാംഘട്ടം പൂർത്തിയായി.

കനോലി കനാലിന് കണ്ടൽ കവചം



കനോലി കനാലിന് കണ്ടൽ കവചം

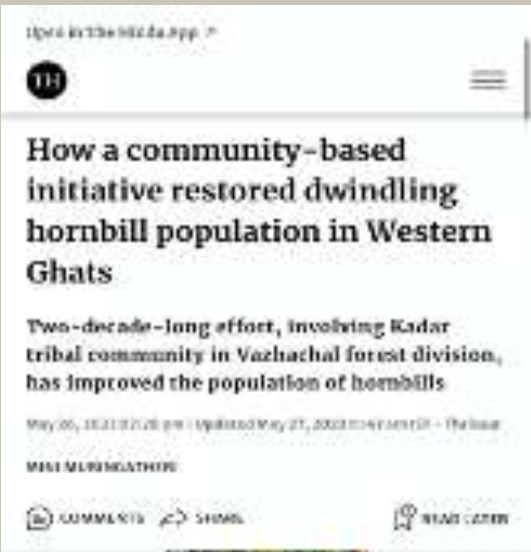
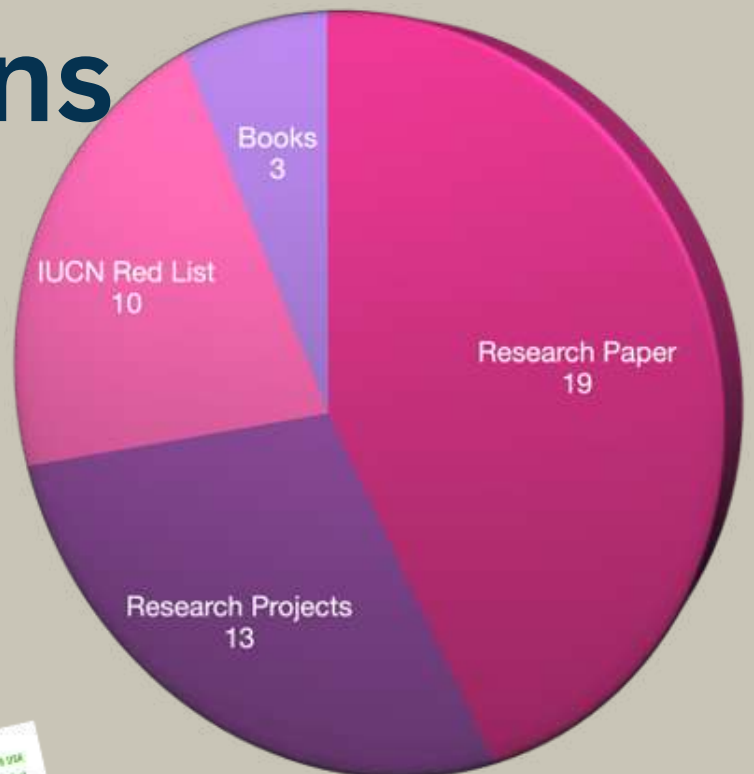
കനോലി കനാലിന് കണ്ടൽ കവചം. കനോലി കനാലിന് കണ്ടൽ കവചം.

പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവികൾ



പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവികൾ. പ്രകൃതി വിസർജ്ജനം ഹൈലൈപ്പിങ്ങ് ദേവികൾ.

Publications





MES ASMABI COLLEGE

P. VEMBALLUR

With

PRABODHA TRUST

KOCHI



PROBHODHA TRUST

REPORT OF MoU

- The MEMORANDUM OF UNDERSTANDING is entered in to between the MES Asmabi College, P.Vemballur, Kodungallur and Probhodha Trust, 4811680, Porurirunni East, Kochi, Ernakulam (Reg.No .IslIV 12021&.27 -02-2021) on 14 March 2022.
- Areas of focus include -Academic collaborations, Visits , Publication of books, exhibitions etc



First programme was Talk by KP Shankaran named 'Gandhi and minorities' on 15 03 - 2022 . Probhodha t rust arranged the resource person Prof. K P Sankaran, former faculty St Stephens College, New Delhi.

MINORITIES
Venue: MES ASMABI COLLEGE
KODUNGALLUR

Talk by
Pro. K. P. SHANKARAN
Former Faculty
St. Stephens College
New Delhi.

Gandhian Message
SRI. AMBALAMEDU GOPI
(Renowned Gandhian
and writer)

- **Welcome Address:** SRI: SALIM ARAKKAL,
Secretary and correspondent, MES Asmabi College, Kodungallur
- **Presidential Address:** DR. A.BIJU,
Principal, MES Asmabi College, Kodungallur
- **Felicitaiton:** SRI: ASPIN ASHRAF,
Chairman, MES Asmabi College Management Committee
- **SRI. NAVEEN KUMAR D. D.,** Secretary, Probhodha Trust, Kochi
- **Vote of Thanks:** DR. SANAND SADANANDAN
Head, Department of political Science



Second programme was National Webinar on Lok nayak Jayaprakash Narayan's Call for total Revolution. On Sunday, 5 June 2022 - 11 : 00 am – 12 : 00 pm via Google Meet . 60 students participated the event.

Video call link: <https://meet.google.com/scx-okqa-gpn>

Or dial: (US) +1 530-481-6202 PIN: 787 447 499#

More phone numbers: [https://tel.meet/scx-okqa-gpn?](https://tel.meet/scx-okqa-gpn?pin=4692298251088)
pin=4692298251088

June 05 2022 Sunday 11 am

National Webinar On Lok Nayak Jayaprakash Narayan's Call for Total Revolution

Panelists

Shri. Surendra Kumar
Former Secretary,
Gandhi Peace
Foundation.

Shri. Arvind Anjum
Co-ordinator,
Publication Committee,
Sarvodaya Jagat

Shri. TRN Prabhu
President
Sevagram Ashram
Pratishthan

Welcome : Dr. Shy R Joseph
Director, Sri Jannalal Bajaj Memorial Library
and Research Centre,
Sevagram Ashram Pratishthan, Wardha

Presidential Address :
Adv. Dr. K. Radhakrishnan Nair
Judge, Consumer Court, Thrissur (Retd)
Advisory Board Member,
Prabhoda Trust, Kochi

Felicitations : Dr. Lekha Rani M L,
Head, Department of History & Political Science
Co-ordinator - Gandhian Study Centre,
All Saints' College, Thiruvananthapuram
**Prof. Vijaya Kumar, HoD, PG Department of
Gandhian Thought, TM Bhagalpur University,
Bhagalpur Bihar**
**Bhramarasree, HoD, Department of Political
Science, St. Ann's College for Women,
Mehdipatanam, Hyderabad, Telangana**
**Dr. Sanand Sadanandan, Head, Department of
Political Science, MES Asmabi College, Kodungallur**

Vote of Thanks : Sri. Naveen Kumar D D
Secretary, Prabhoda Trust, Kochi

Organized by

- Prabhoda Trust in Association with
- Sevagram Ashram Pratishthan, Wardha
- Department of History, Political Science & Gandhian Study Centre, All Saint's College, Thiruvananthapuram,
- PG Department of Gandhian Thought, TM Bhagalpur University, Bhagalpur, Bihar
- Dept. of Political Science, St. Ann's College for Women, Mehdiptanam, Hyderabad &

First Party

Second Party





IQAC, MES ASMABI COLLEGE P. VEMBALLUR



with

IQAC, SREE NARAYANA COLLEGE NATTIKA

1. Title of the program : A webinar on basic research methodology
 2. Name of the coordinator/s : Dr. Shafeer P S (MES Asmabi College) &
Dr. Sankaran K K (SN College, Nattika)
 3. Organizing Department/Cell : Internal Quality Assurance Cell (IQAC)
 4. Date & Duration : 27-05-2023
 5. Number of participants 131
 6. Objective of the program : To get basic idea about research methodology
for research scholars and faculties
-

INTRODUCTION

The Internal Quality Assurance Cell (IQAC) of MES Asmabi college in association with SN College Nattika organized a highly informative webinar on "Basic Research Methodology" to enhance participants' understanding of fundamental research techniques and principles. The webinar aimed to equip participants with the essential knowledge and skills required for conducting high-quality research in various disciplines.

WEBINAR AGENDA

Welcome Address: The webinar began with a warm welcome by Dr. Sankaran K K, the coordinator of IQAC, SN College Nattika. He introduced the purpose of the webinar and emphasized the significance of research methodology in academic and professional pursuits.

Principal address:-Principal address is given by the college heads of both institutions. Dr. A Biju from MES Asmabi College and Dr. Jaya PS from SN College, Nattika delivered it.

Principal Address by Dr. A Biju (MES Asmabi College): Dr. A Biju, Principal of MES Asmabi College, delivered an inspiring address. He emphasized the importance of educational partnerships and discussed the shared goals and values between the two institutions. Dr. Biju highlighted the transformative role of education in shaping future generations and fostering a sense of community.

Principal Address by Dr. Jaya PS (SN College, Natiika): Dr. Jaya PS, Principal of SN College, Natiika, followed with her enlightening address. She acknowledged the collaborative spirit between the colleges and emphasized the potential for joint initiatives to drive positive change in education and research. Dr. Jaya PS underlined the role of educators in nurturing holistic development in students.

Keynote Address: Dr. Suresh V, Assistant Professor in Botany, Govt. Victoria College, Palakkad, an eminent researcher and expert in research methodology, delivered the keynote address. He shed light on the importance of research methodology in the advancement of knowledge and its role in generating valid and reliable results.

Topic 1: Understanding Research Basics: This session focused on introducing participants to the fundamental concepts of research, including its types, purposes, and significance. The speaker explained the research process, highlighting key stages such as problem identification, literature review, hypothesis formulation, data collection, and analysis.

Topic 2: Research Design and Methodology: In this session, participants gained insights into various research designs and methodologies. The speaker elaborated on experimental, observational, qualitative, and quantitative research designs, guiding participants on selecting the most appropriate design for their research objectives.

Topic 3: Data Collection and Analysis: The importance of collecting accurate and relevant data was emphasized in this session. The speaker discussed various data collection methods, such as surveys, interviews, and observations. Additionally, participants learned about data analysis techniques, including descriptive and inferential statistics.

Topic 4: Ethical Considerations in Research: Ethical principles and considerations in research were discussed to ensure participants understand the importance of maintaining integrity and respect for participants' rights. The speaker highlighted ethical guidelines and provided practical examples of ethical challenges in research.

Topic 5: Writing Research Proposals and Reports: This session provided participants with insights into crafting effective research proposals and reports. The speaker shared tips on structuring proposals, literature review writing, and the components of a well-organized research report.

Q&A and Interactive Session: Throughout the webinar, participants had the opportunity to engage in interactive Q&A sessions, clarifying doubts and seeking further insights from the speakers. This segment fostered an enriching learning experience and encouraged active participation.

Closing Remarks: The webinar concluded with closing remarks from Dr. Shafeer P S, IQAC Coordinator, MES Asmabi College, expressing gratitude to the speakers and participants for their active involvement. Participants were encouraged to apply the knowledge gained in their research endeavors and to stay connected with IQAC for future learning opportunities.

Conclusion:

The Basic Research Methodology webinar organized by IQAC proved to be a valuable platform for participants to enhance their understanding of essential research techniques. The insightful sessions, expert speakers, and interactive discussions collectively contributed to the participants' knowledge and proficiency in research methodology. The webinar underscored IQAC's commitment to fostering academic excellence and research prowess among the institution's stakeholders.

Programme brochure and schedule:



The brochure features a pink-to-blue gradient background. At the top, it displays the logos of Sree Narayana College and MES Asmabi College. The text is centered and reads: 'INTERNAL QUALITY ASSURANCE CELL Of SREE NARAYANA COLLEGE, NATTIKA AND M E S ASMABI COLLEGE, P. VEMBALLUR Organize A Webinar On Basic Research Methodology'. Below this, it lists the resource person: 'DR SURESH V ASSISTANT PROFESSOR DEPT. OF BOTANY GOVT. VICTORIA COLLEGE, PALAKKAD'. The date and time are 'ON 27th MAY 2023, SATURDAY @7.00 P.M'. At the bottom, it provides the Google Meet link: 'GOOGLE MEET LINK https://meet.google.com/rua-ankd-zqd'.

INTERNAL QUALITY ASSURANCE CELL
Of
SREE NARAYANA COLLEGE, NATTIKA
AND
M E S ASMABI COLLEGE, P. VEMBALLUR

Organize

A Webinar On
Basic Research Methodology

Resource Person: DR SURESH V
ASSISTANT PROFESSOR
DEPT. OF BOTANY
GOVT. VICTORIA COLLEGE,
PALAKKAD

 **ON 27th MAY 2023, SATURDAY**
@7.00 P.M

 **GOOGLE MEET LINK**
<https://meet.google.com/rua-ankd-zqd>

Programme Schedule

Welcome Speech:

Dr. Sankaran K K
IQAC Coordinator
Sree Narayana College
Nattika

Principals' Address:

- * Dr. A Biju
Principal
M.E.S Asmabi College
P. Vemballur
- * Dr. Jaya P S
Principal
Sree Narayana College
Nattika

Key Note Address:

Dr. Suresh V
Assistant Professor
Dept. Of Botany
Govt. Victoria College
Palakkad

Vote of Thanks:

Dr. Shafeer P S
IQAC Coordinator
M.E.S Asmabi College
P. Vemballur

First Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671



Second Party


Principal
(Full Additional Charge)
Sree Narayana College
Nattika



MES ASMABI COLLEGE

P. VEMBALLUR

with

**KERALA STATE ELECTRONICS
DEVELOPMENT CO-OPERATION LIMITED**



THIRUVANANTHAPURAM

REPORT ON THE COURSE - MS OFFICE

The Research Department of Commerce at MES Asmabi College, P. Vemballur, organized a comprehensive course titled "MS Office" during the academic year 2022-23. The course aimed to provide students with an in-depth understanding of modern office automation tools and techniques to enhance their proficiency in various computer applications commonly used in office settings. Coordinated by Dcepa K A, the course spanned 30 hours and accommodated a total of 44 enthusiastic students.

- *Coordinated by: Deepa KA*
- *Duration: 30 hours*
- *Number of Students: 44*
- *Course Dates: May 22, 23, 26, 29, 30, and 31, 2023*

Course Schedule

The course took place over a period of six days during the month of May 2023, with sessions held on the following dates: 22, 23, 26, 29, 30, and 31. Each session was carefully designed to cover different aspects of office automation, ensuring a comprehensive learning experience for the participants.

Course Syllabus

The syllabus for the "MS Office" course was thoughtfully structured to encompass the fundamental concepts and practical skills required for efficient office operations

Conclusion

The "MS Office" course conducted by the Research Department of Commerce at MES Asmabi College was a comprehensive and well-structured program that equipped participants with essential skills in various office automation tools and techniques. The coordination by Deepa K A, along with the well-defined syllabus and interactive sessions, contributed to a successful and enriching learning experience for the 44 students who participated. The knowledge gained from this course is expected to empower the students in their future professional endeavours by enhancing their efficiency and productivity in office-related tasks.



MES ASMABI COLLEGE

P. VEMBALLUR

with



**KERALA STATE ELECTRONICS
DEVELOPMENT CO-OPERATION LIMITED**

THIRUVANANTHAPURAM

Certificate Course- MS Office 2022-23

MESACCC01

Curriculum and Evaluation Procedures

Department	: Research Department of Commerce
Name of the Course	: Certificate Course in MS Office
Course Code	: MESACCC01
Coordinator	: Deepa KA
Head of the Department	: Shiney CN
Maximum number of students	: 50
Duration of the course	: 30 hours
Level	: PG
Teaching Methodology	: Direct teaching, illustrations, and hands-on training sessions.
Teaching aids	: PPT and office software like MS Office

First Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671



Second Party



USHA K
COORDINATOR
IT BUSINESS SUPPORT
KELTRON, M.E.S. ASMABI COLLEGE
THIRUVANANTHAPURAM-055 033



MES ASMABI COLLEGE P. VEMBALLUR



with

GRAPESGENIX TECHNICAL SOLUTIONS PVT LTD THRISSUR

"The Add-on Course in Android empowers learners with hands-on skills in mobile app development, unlocking opportunities to create innovative and user-friendly applications for the Android platform."

DEPARTMENT	: Computer Application
ACADEMIC YEAR	: 2022 - 2023
NO. OF STUDENTS ENROLLED	: 45
COURSE CO-ORDINATOR	: Mrs. Jabin T H

SUMMARY REPORT

The Department Computer Application, in collaboration with Grapesgenix Technical Solutions, Thrissur, offered add-on courses in two Software Technologies – Android and Flutter during the year 2022-23. The add-on course titled 'Android Application Development' was offered to final year BCA students of the college. The resource person for the course, Ms. Aparna is a faculty of with Grapesgenix Technical Solutions. The course was offered on Saturdays, Sundays and other public holidays, and included both theory (60 hours) and practical sessions (120 hours). Evaluation procedure involved an Examination, Project and attendance. On successful completion of the course, the students were awarded certificates.

COURSE OUTCOMES

The students Learned

- ♦ Android SDK features
 - ♦ Acquired advanced features of Android Programming
 - ♦ Acquired basic French grammar – Nouns, Verbs, Tenses
 - ♦ Gained satisfactory command over French Vocabulary
 - ♦ Made basic Sentence/ question structure
 - ♦ Developed Reading Skills
 - ♦ Improved Listening Skills
 - ♦ Introduced oneself in French
-

First Party



Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671

Second Party



Patturakkal
P.O. Thiruvannamudi
Thiruvannamudi - 680 022



MES ASMABI COLLEGE

P. VEMBALLUR

with

ZOOPLE TECHNOLOGIES



KOCHI

PURPOSE

The purpose of this MOU is to set for the terms and conditions under which the College and the Software Company will collaborate to organize workshop. skill development program. and placement drive for the student of the college for their career development.

ACTIVITIES UNDER MoU

1. Workshop (Paid/Free): Collaboration between the College and the Software Company for a workshop on UI/UX design, digital marketing, Python development, Flutter development, Android development, iOS development, software testing, Meanstaek, and all training programs.
2. Skill Development Program (Paid/Free): The College and the Software Company will organize a skill development program to enhance students' awareness and proficiency in the software field.
3. Placement Drive: The Software Company will host a placement drive for College students who successfully complete the skill development program.

RESPONSIBILITIES UNDER MoU

Confidentiality: Both parties acknowledge the confidentiality of exchanged information and commit to using it solely for the purposes stated in this MOU.

Term and Termination: The MOU is effective for 3 years from the date of execution. Termination can occur earlier by mutual agreement or with a two-month written notice from either party.

Governing Law: The MOU is governed by applicable laws. Disputes will be resolved through mediation and, if unsuccessful, through arbitration following arbitration law rules.

DETAILS OF PROGRAM CONDUCTED UNDER MOU

Title of the activity	: Workshop on UI/UX Design
Name of the co-ordinator	: Jabin T H
Name of the organizing department	: Computer Application
No. of students participated	: 80
Number of faculty participated	: 5

First Party



Second Party





MES ASMABI COLLEGE

P. VEMBALLUR

with

SKILL DEVELOPER

TAMILNADU



PURPOSE

"The Workshop on Self Learning Skills empowers participants with essential strategies and tools, fostering a proactive approach to personal and professional development through effective self-directed learning."

ACTIVITIES UNDER MoU

Institutions agree to cooperate in academic, educational, and skill development, aiming to enhance mutual understanding. Collaborative activities include conducting training programs, exchanging information, organizing seminars, and addressing financial considerations through separate agreements."

RESPONSIBILITIES UNDER MoU

Confidentiality: Both parties acknowledge the confidentiality of exchanged information and commit to using it solely for the purposes stated in this MOU.

Term and Termination: The MOU is effective for 3 years from the date of execution.

Termination can occur earlier by mutual agreement or with a two-month written notice from either party.

Governing Law: The MOU is governed by applicable laws. Disputes will be resolved through mediation and, if unsuccessful, through arbitration following arbitration law rules.

DETAILS OF PROGRAM CONDUCTED UNDER MOU

Title of the activity	: Workshop on Self Learning Skills
Name of the co-ordinator	: Jabin T H
Name of the organizing department	: Computer Application
No. of students participated	: 30
Number of faculty participated	: 3

First Party



Second Party





MES ASMABI COLLEGE

P. VEMBALLUR

with

FLYCREATIVE ONLINE PVT LTD

KODUNGALLUR



ABOUT

"Industrial exposure training provides hands-on experience, bridging the gap between theoretical knowledge and real-world applications, enhancing practical skills crucial for professional success."

Title	: Industrial Exposure Training
Co-ordinator	: Shafna A S
Organizing Department /Cell	: Tourism & Hospitality Management
Date & Duration	: 26th April 2023 – 30th March 2027
No: of participants	: 5

OBJECTIVES OF THE PROGRAM

To acquire practical knowledge and skills that are valuable in the travel industry

DETAILED DESCRIPTION OF THE EVENT

: In collaboration with Flycreative Online Pvt Ltd and the Dept of Tourism and Hospitality Management conducted a two-month Industrial Exposure Training program as a part of our syllabus from 01st April 2023 to 31st May 2023. The training program was conducted at the office of Flycreative Online Pvt Ltd located in Kodungallur. Industrial Exposure Training is to provide to students the feel of the actual working environment and to gain practical knowledge and skills, which in turn will motivate, develop and build their confidence. Industrial Training is also expected to provide the students the basis to identify their key operational area of interest.

OUTCOME OF THE EVENT/EVALUATION BY PROGRAM COORDINATOR

Through this training program students were able to execute guest relation management, to organise tour packages and to act as tour guides.

STUDENT PARTICIPATED IN THE PROGRAM

Kailas K S, Nawras N N, Abhishek E M, Azhal, E R Muhammed Razik

CERTIFICATE



Date: 05/06/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. NAWRAS N N**, B.Voc Tourism and Hospitality Management Student of MES ASMABI COLLEGE, P. Vemballur, has successfully Completed her internship in Tour Operations at FlyCreative Online Pvt Ltd, Kodungallur, from 08APRIL,23 to 30MAY23

She has worked as a Tour Operation Assistant As part of the project, she has work done by intern.

During his internship she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the project on time.

We wish her all the best for her upcoming career.

FlyCreative Online Pvt Ltd
YUSUF K U
Director Business Development





101, Prabha Building, Chandapura, Kodungallur, Thrissur, Kerala-680664
☎ 0480 - 6616000 Mob: 91 9349803028 ✉ yusuf@flycreative.in 🌐 www.flycreativeglobal.com
Head office : Bombay
Branches : Pune | Ahmedabad | Hyderabad | Trivandrum | Muvattupuzha

First Party

Second Party



PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P.VEMBALLUR,
KODUNGALLUR - 680 671









MES ASMABI COLLEGE
P. VEMBALLUR

with

EARTH SENSE RECYCLE PVT LTD.
PALAKKAD



PROGRAMME HIGHLIGHTS

Date of the activity	: 28 - 02 - 2023
Time	: 09.30 AM to 01.30 PM
Agenda of the Programme:	Awareness Creation on E - Waste Management, Collection of electronic waste for safe disposal / recycling / reuse.
Under the banner of	: 'Swachh Bharat' , Sanitation Flagship, GOI.
Location of execution	: Sreenarayanapuram Grama Panchayath.
Student Participation	: All first year and second year UG students and all PG students.
Staff Participation	: All faculties.
Collaboration	: i) Sreenarayanapuram Grama Panchayath (E - Waste collection). ii) Earth Sense Recycle Pvt. Ltd. Palakkad (E - Waste Processing).
Supported by	: Green Campus Initiative Group - M E S Asmabi College.

REPORT

Genesis of the drive:

Experiential learning through active involvement in social service activities is one of the focal points of student attributes targeted by M E S Asmabi college. It is felt that social orientation is to be rejuvenated among students especially in post –covid situation. The 'Experia' E waste collection drive was planned in a meeting of Heads of all departments convened by the Principal Dr. A Biju on 25th of February 2023. Smt. Deepa K A, (Co-ordinator, 'Swachh Bharat') and Mr. Mohammed Areej E M, (Head, NAAC Criterion 7) detailed about the modus operandi of the e-waste eradication drive to be undertaken on 28th February. It has been decided to include all students of the college (except III Yyear UG) in the drive to cover all 21 wards under Sreenarayanapuram Grama Panchayath. For the smooth functioning of the programme, each ward is assigned to each department as follows.

Activities done:

All faculties, all PG students and first year and second year UG students were participated in the programme. The 21 wards of Sreenarayanapuram Gramapanchayath were assigned to all 17 departments of the college.

1. Awareness Creation: A meeting of Haritha Karamasena members was held at 10.30 am on 27th February to give directions regarding the e-waste collection on 28/02/2023. Smt. Deepa K A (Co-ordinator, Swachh Bharath) and Sri. Mohammed Areej E M gave an introduction about the 'Experia' drive. Student Members of Harithakaramasena gave the necessary directions by visiting into all classes. Each departments were organized department level meeting on 27th February 2023 for giving directions and assigning duties to students group for the smooth conduct of the programme next day.

The soft-copy of the pamphlet set in Malayalam language describing the definition and types of e-wastes, risks associated with them and necessity of safe disposal of e-wastes were circulated to ward level WhatsApp groups. Promotion of the brochure and the pamphlet was done via other social media including Facebook. Advance information about the date and time of collection of e-waste by the students was also circulated via the pamphlet. Stress was given on the excluded materials like fluorescent tubes, CFL lamps and picture tubes of CRT televisions. Hardcopy of the awareness brochure was circulated by the students to various households during their visit for waste collection.

2. E-Waste Collection: One member from each student group was given the charge of leading the group. All groups were dispersed for e-waste material collection to different parts of the ward. Hard copies of awareness brochures were also carried by them for circulation. The groups were allocated with the collection works in such a way as to avoid overlapping of the areas of material gathering.

The main items gathered include LCD TVs, computer monitors, mouses, keyboards, UPS, cables, electrical switches, modems, connectors, land phones, and tabs. Approximately 2 tons of e-waste were gathered by all the students.

The materials collected were brought to the college and kept in the side of college auditorium. All students were reached the common collection spot by 12.30 PM. After having refreshment the students came back to the college by 1.30 PM. All faculties returned to the college after despatching the collected e-wastes to the college.

Outcome: The message of e-waste accumulation and associated risk was passed on to the students. They were able to transmit the message to local people so as to inculcate a culture of e-waste management and safe disposal.

Awareness to Harithakarmasena Members:

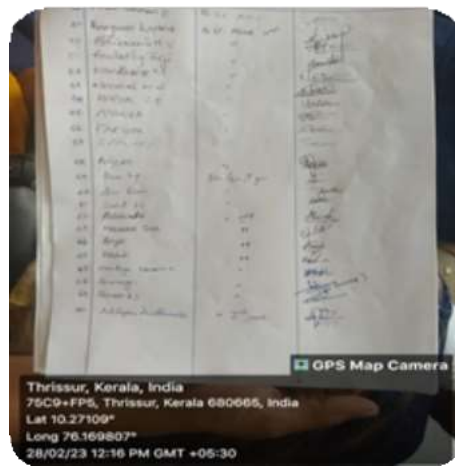
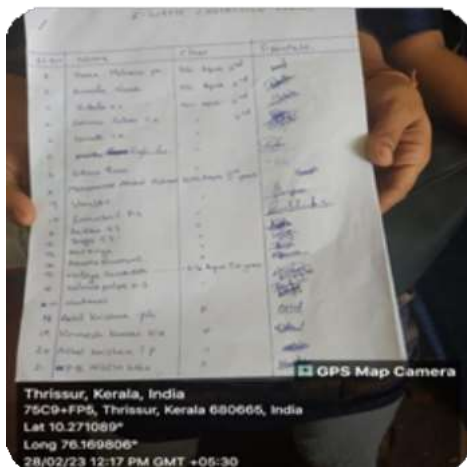




Inauguration of e-waste collection – Smt. Jaya SunilRaj (Vice President, Sreenarayanapuram Gramapanchayath) handed over the e-waste from ward no.1 to Dr.A Biju, Principal, MES Asmabi College.



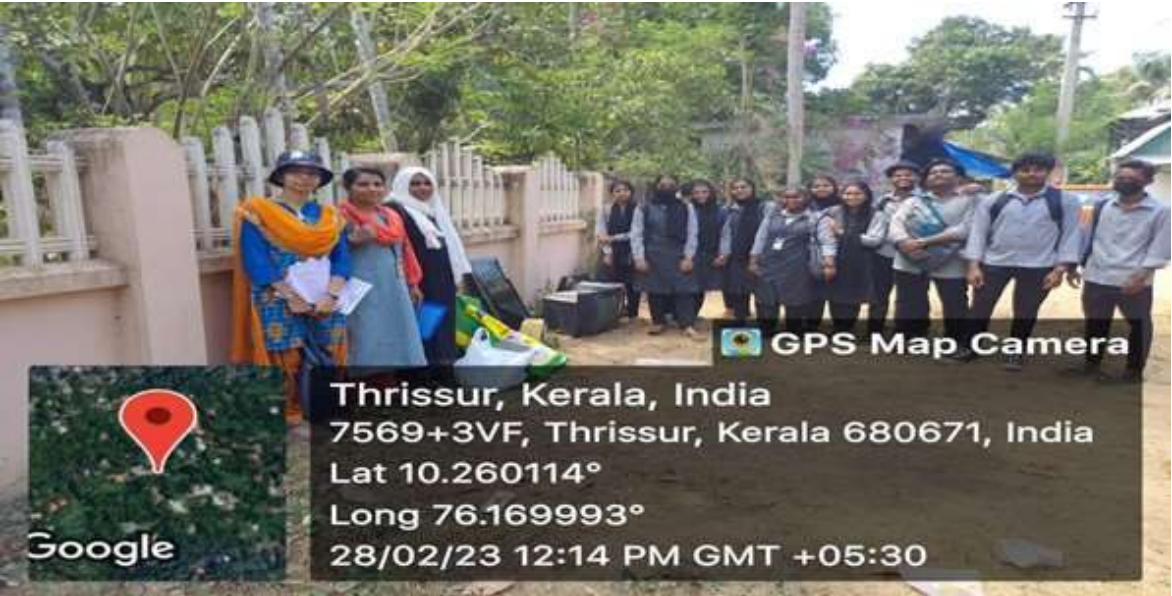
Grouping of students



Student Attendance: Front and last pages.



Awareness brochure distribution and e-waste collection





On 1st March 2023 Mr. Jinu and two staff representatives from Earth Sense Recycle Pvt. Ltd., Palakkad came to the college and loaded the materials into a container for going to recycling purpose. The collected materials weighted to 2190 Kg. An MoU with Earth Sense Recycle Pvt. Ltd. was also signed on the same date.

MES ASMABI COLLEGE, P VEMBALLUR
“EXPERIA” E-WASTE COLLECTION
CAMPAIGN

Ward no.	Ward Name	Name of Ward Member	Phone No.	Name of the organising Department	Collaborating Single Department
1	Vekkode	Prakasini	9539406490	BCA	
2	Ayyappankavu	Jaya Sunilraj	9539597286	Botany	Dr. Jaisy David, Liji.T., Adithya
3	Pozhamkavu	Rajesh	9745616443	Physics	Dr.Ansar E.B.
4	Sreenarayanapuram	Gibimol	7034721743	Maths	Keerthana S., Dr. Sanjeevkumar
5	Panangad	Seethal	9446362959	Aquaculture	Mohammed Areej E. M, Jyothi V, Sunniya Abdu
6	Anchamparathi	Remya Pradeep	9745560806	Psychology	Dr. Sanand. C, Henna P. H, Roshna P.B.
7	Pallinada	P A Noushad	7012841055	B.Voc Fish Processing Technology	
8	Santhipuram	Jasmin Rafeeqe	9567288239	B.Voc Digital Film Production	
9	Ala	Swaroop	9895097566	B.Voc Logistics Management	
10	Gothuruth	Rajan	9656219611	B.Voc Tourism and Hospitality Management	
11	Vasudevavilasan	Sajitha Pradeep	9846463944	Mass Communication	Raiba P. B., Sincy Siddiq, Jahana Sirajudheen
12	Kothaparambu	Subeesh C S	9995961304	Economics	Balasubramanian U,Capt. M.B. Bindhil
13	Amandoor	Ibrahim Kutty	9745819997		
14	Puthumanapurambu	Souda nazar	9633271215	English	Dr.Sakkeena M K, Nisha M.D.
15	Pathazhakad	Sereena Sageer	9746611532		

16	Nelpini	M S Mohanan	9447352080	B.Com C A, B.Com Finance,BBA	
17	Pathiyassery	K A Ayyub	9745487976		
18	Thaniyam Bazar	Prasanna Dharman	9946362083		
19	Kadappuram	Mini Pradeep	9745441397		
20	P Vemballur	Reshma Vipin	9745281402	Commerce (Aided)	
21	Asmabi College	Krishnendu	6235139740		

First Party



Second Party





MES ASMABI COLLEGE

P. VEMBALLUR

With

TEAM YATHRI INDIA PVT LTD

EDAPPALLY



MoU Report for Industrial Exposure Training

"Industrial exposure training provides hands-on experience, bridging the gap between theoretical knowledge and real-world applications, enhancing practical skills crucial for professional success."

OBJECTIVE

To acquire practical knowledge and skills that are valuable in the travel industry

CO-ORDINATOR

Pranav P Kumar

ORGANIZING DEPARTMENT

Department of B. Voc Tourism and Hospitality Management

DATE & DURATION

- April 01st 2023 – May 31st 2023
- 5 Years

PARTICIPANTS

- Adithya P S
- Abhirami M D
- Jasmi M A
- Asna V A

DESCRIPTION OF THE EVENT

In collaboration with Team Yathri India Pvt Ltd the Dept of Tourism and Hospitality Management conducted a two-month Industrial Exposure Training program as a part of our syllabus from April 01st 2023 to May 31st 2023. The training program was conducted at the office of Team Yathri India Pvt Ltd situated at Palarivattom. Industrial Exposure Training is to provide to students the feel of the actual working environment and to gain practical knowledge and skills, which in turn will motivate, develop and build their confidence. Industrial Training is also expected to provide the students the basis to identify their key operational area of interest.

OUTCOME OF THE EVENT

Through this training program students were able to execute guest relation management, demonstrate ticketing procedure, to organise tour packages.

CERTIFICATE OF STUDENTS



35/1886 A(3), South Janatha Road, Palarivattom, Kochi - 682 025
Ph : +91 484 2548034, Mob : +91 98471 88860, +91 9656235342

Date: 13/06/2023

TO WHO IT MAY CONCERN

This is to certify that **Abhirami M D**, second semester **B.Voc Tourism and Hospitality Management** student of **MES Asmabi College, P. Vemballur, Kodungallur, Thrissur** has successfully completed an internship at **Yathri Tours and Travels** from **April 10, 2023** to **May 31, 2023**. Throughout the internship period, she exhibited commendable dedication, enthusiasm, and a strong desire to learn.

At **Yathri Tours and Travels**, we specialize in providing exceptional tour and travel experiences to our esteemed clients. Throughout their internship, **Abhirami M D** actively contributed to our daily operations, gaining valuable knowledge and hands-on experience in the tour operation industry. They demonstrated exceptional professionalism and adaptability, readily taking on new challenges and fulfilling assigned tasks with utmost diligence.

We would like to express our sincere appreciation for **Abhirami M D's** valuable contributions and unwavering commitment to their assigned tasks. We wish them the very best in their future endeavors, confident that they will achieve great success in their chosen career path.

Best Regards,

A handwritten signature in black ink, appearing to read "Rashmi Murali".

Rashmi Murali

(Managing Partner)

Yathri Tours and Travels



yathriholidays@gmail.com

www.yathriholidays.com

Air Ticketing | Group Tours | Package Tours | VISA | House Boating

BROCHURE/PHOTO



First Party

Second Party



[Handwritten signature]
PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.D.P.VEMBALLUR,
KODUNGALLUR - 680 671

[Handwritten signature]
17/8/23

Abhilash K K



MES ASMABI COLLEGE
P. VEMBALLUR

with

INDIAN REDCROSS SOCIETY
THRISSUR BRANCH



REPORT OF MoU

MES Asmabi College started functioning Youth Red Cross in the year 2022. As a first step a request was given by the principal to the Chairman, Red Cross Society, Thrissur branch. The staff coordinators are Dr. Jeena P.M and Dr. Sanjeev Kumar. Students were selected from all departments randomly and final selection process was based on the conditions:

1. Students more than 18 age group
2. Students of first year UG and PG
3. Students who are not members of NSS and NCC.
4. Students who are actively interested in social service activities and humanitarian considerations.

After selecting the students as 50, the formal inauguration of the unit was done by Sri Taison Master, MLA, Kaipamangalam on 20 February 2023 at 11 am in the seminar hall. A memorandum of understanding is also signed between MES Asmabi College and Indian Red Cross Society, Thrissur branch. It is also mutually agreed by both parties as together they will inculcate the values of International Red Cross and Red Crescent Movement such as humanity, impartiality, neutrality, independence, voluntary service, unity and universality in the minds of students.



The program was welcomed by Dr Jeena P.M, Coordinator YRC, MES Asmabi College. The presidential address was given by Adv. M.S. Anil Kumar, Chairman, IRCS Thrissur district branch. Felicitations were made by Prof Biju. A, Principal, MES Asmabi College, Dr. Reena Mohamed P.M, Vice Principal And Dr, Sanjeev Kumar, Coordinator, YRC. Vote of thanks is given by Pravin Aynikkathara, Coordinator, YRC, Thrissur district.

Federal Bank as a part of CSR Initiative wishes to skill youth on healthcare awareness at educational institutions in the districts of Ernakulam and Thrissur. The program was organized under the Youth Red Cross unit and it was conducted by the certified trainers from American Health Association with a duration of 2 hours for 2 batches and a batch size of 120 numbers (60 students per batch).



The first session was held at the seminar hall. The program was welcomed by Dr. Jeena P.M, coordinator, YRC, MES Asmabi College. Presidential Address was given by Dr. Reena Mohamed P.M, Vice Principal. The program was inaugurated by Federal Bank Mathilakam Branch Manager. The second session was held at Room No: 32. Students from YRC, NSS and NCC attended both sessions.

The program helped the students to get awareness about cardiac arrest, giving Cardio Pulmonary Resuscitation (CPR) and Choking

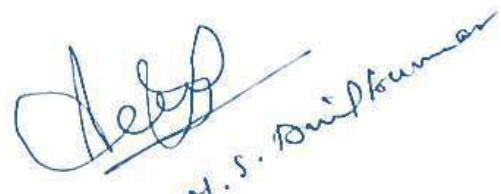


First Party

Second Party




Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671


Dr. Y.S. Prithvikanth

Chairman
Indian Redcross Society
Thrissur District Branch



MES ASMABI COLLEGE
P. VEMBALLUR

with

NATIONAL INSTITUTE OF TAXATION & ACCOUNTING ERNAKULAM

ABOUT

"The Certificate Course in GST and Tally offers specialized training in Goods and Services Tax compliance and Tally software, equipping learners with practical skills for financial accounting and taxation roles."

CERTIFICATE COURSE- DIPLOMA IN GST AND TALLY 2022-23

Department	: Research Department of Commerce
Name of the Course	: Diploma in GST and Tally
Coordinator	: Dr.Sefiya K M
Head of the Department	: Shiney CN
Maximum number of students	: 64
Duration of the course	: 50 Hours
Level	: UG
Teaching aids	: Direct teaching, illustrations, and hands-on training sessions.
Teaching Methodology	: PPT and materials

Course Overview:

The Research Department of Commerce at MES Asmabi College, P.Vemballur, organized a Diploma in GST and Tally course. The course in the Academic Year 2022-23. The course aimed to equip students with essential skills and knowledge in the field of taxation, accounting and GST compliance. The course was co-ordinated by Dr. Sefiya K M and lasted for 50 hours.

Course Schedule and Duration:

The Diploma in GST and Tally course took place over span the of several months, with classes scheduled on specific dates. The course was on the conducted following dates:

1. 20th August 2022
2. 24th September 2022
3. 15th October 2022
4. 19th November 2022

- 5. 26th November 2022
- 6. 4th March 2023
- 7. 18th March 2023

Course Participants:

A total of 64 students enrolled in the course, demand and interest in signifying the high learning about GST compliance and Tally software.

Course Syllabus:

The Diploma in GST and Tally course covered a comprehensive syllabus designed to provide students with a strong foundation in accounting principles, bookkeeping and GST compliance. The main topics included: Business, Accountancy-Basic Awareness, Book-Keeping-Accounting-Accountancy-Accounting-Concepts, Sub-divisions of Journal, Final Accounts with Adjustments, Practical Accounting and Preparation of Accounts for Large Scale Organization.

Conclusion:

The Diploma in GST and Tally course conducted by the Research Department of Commerce at MES Asmabi College, P. Vemballur, in the Academic Year 2022-23 was a resounding success. With an extensive syllabus, the course effectively imparted essential knowledge and practical skills to the 64 students who participated. The students now possess valuable expertise in accounting, bookkeeping, and GST compliance, which will serve them well in their future careers in commerce and finance.



First Party



Second Party



PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P.VEMBALLUR,
KODUNGALLUR - 680 671





IPR CELL, MES ASMABI COLLEGE P. VEMBALLUR

with

IPR CELL OF ST. PETER'S COLLEGE KOLENCHERY

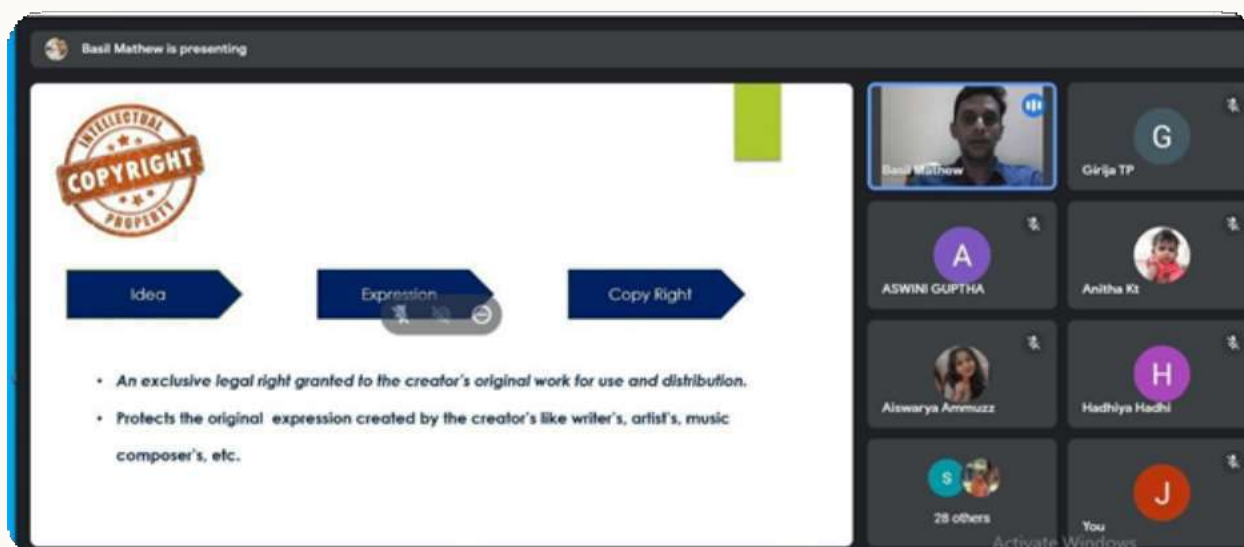


"The Certificate Course on Intellectual Property Rights (IPR) provides comprehensive knowledge and skills in safeguarding intellectual creations, fostering legal expertise in patents, trademarks, and copyrights."

PROGRAMMES UNDER IPR MOU 2022-23


Certificate Course on IPR

IPR Cell of MES Asmabi College and IPR cell of St. Peter's College, Kolenchery, together conducted a certificate course on IPR through MOODLE platform. The number of students enrolled for the course is 33. As part of MOU activities, a webinar was organized on 25th May 2023 in the topic IPR and AI. About 50 students participated in the webinar. Photographs were attached. The IPR cell also provided guidance for applying patent for a fish product from the BVOC Fish Processing Technology Department faculties.



CERTIFICATE COURSE
ON

INTELLECTUAL PROPERTY RIGHTS & IP LAWS



Course available @ ims.stpeterscollege.ac.in
starts from September 12, 2022

Course Coordinators:
Dr. Basil B Mathew
Dr. Teena Thomas
Ms. Liji Lambert D Rosario
&
Dr. Jisha K C
Ms. Nazoma M K

INTELLECTUAL PROPERTY (IP) CELL,
DEPARTMENT OF POLITICAL SCIENCE
ST. PETER'S COLLEGE, KOLENCHERY
&
INTELLECTUAL PROPERTY (IP) CELL,
DEPARTMENT OF BOTANY
MES ASMABI COLLEGE, KODUNGALLUR



IPR CELL, DEPT OF BOTANY OF MES
ASMABI COLLEGE & IPR CELL,
DEPARTMENT OF POLITICAL SCIENCE OF
ST PETER'S COLLEGE, KOLENCHERY

WEBINAR ON IPR & ARTIFICIAL INTELLIGENCE

Dr. Basil B Mathew
St. Peter's College,
Kolenchery



25 MAY 2023
7.30 PM
6 MEET



Basil Mathew is presenting

EXAMPLES OF GIS

INDIA	WORLD
<ul style="list-style-type: none"> Basmati rice Coring orange Darjeeling tea Alphonso mango Kollhapuri chappal Tirupati laddoo 	<ul style="list-style-type: none"> Canadian whisky Swiss watches Florida oranges champagne

'DARJEELING TEA' became the first GI

Thrissur, Kerala, India
C6HC+QV8, Urakam - Pallisseri Road, Urakam, Kerala
680562, India
Lat 10.429376°
Long 76.222334°
25/05/23 07:44 PM GMT +05:30

GPS Map Camera

First Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR - 680 671



Second Party


Dr. SHAJU VARGHESE
PRINCIPAL (I/c)
ST. PETER'S COLLEGE, KOLENCHERY
PEN-467230





MES ASMABI COLLEGE, P. VEMBALLUR

with

SREE NARAYANA PURAM GRAMA PANCHAYATH

MoU REPORT ON NEWS - VIDEO PRODUCTION

"News video production involves the dynamic creation of informative and engaging visual content, delivering current events with journalistic integrity through skilled storytelling and multimedia techniques."

DETAILS OF PROGRAMME

Name of the programme	: News video Production
Name of Co-Ordinator	: Mynag Suresh
Organizing department	: Department of Digital Film Production
Date & Duration	: 14 November 2022, 1 Day
Number of Participants	: 10
Objective of the programme	: Introduction to the new arenas of news writing and video coverage

DETAILED DESCRIPTION OF THE EVENT

In collaboration with the Sreenarayanapuram panchayath, the Department of Digital Film Production has covered the programmes of the panchayth. As part of the programme students covered the celebrations of azadi ka amrith maholsav. Coverage of those programmes taught the students the finer nuances of post-production stage and they produced two videos.

OUTCOME OF THE PROGRAMME

Active participation of the students helped the panchayath to inform the new policies and information to the people.

PHOTOS OF THE PROGRAMME



ശ്രീനാരായണപുരം പഞ്ചായത്തും പി. വെമ്പല്ലൂർ എം.ഇ.എസ് അസ്മാബി കോളജും ധാരണപത്രം കൈമാറുന്നു

ശ്രീനാരായണപുരം പഞ്ചായത്തും അസ്മാബി കോളജും ഡോക്യുമെന്റേഷൻ ധാരണപത്രം ഒപ്പുവെച്ചു

കൊടുങ്ങല്ലൂർ: ശ്രീനാരായണപുരം പഞ്ചായത്ത് പി. വെമ്പല്ലൂർ എം.ഇ.എസ് അസ്മാബി കോളജുമായി ഡോക്യുമെന്റേഷൻ ധാരണപത്രം ഒപ്പുവെച്ചു. ഗ്രാമപഞ്ചായത്ത് അടുത്ത രണ്ടുവർഷം ഏറ്റെടുത്തു നടത്തുന്ന എല്ലാ പദ്ധതികളുടെയും പരിപാടികളുടെയും ഉദ്ഘാടനവും പദ്ധതി നടത്തിപ്പുകളുമായി ബന്ധപ്പെട്ട വാർത്തകൾ തയ്യാറാക്കുന്നതും സംപ്രേഷണം ചെയ്യുന്നതുമായി ബന്ധപ്പെട്ട ധാരണപത്രമാണ് ഒപ്പുവെച്ചത്. ഗ്രാമപഞ്ചായത്തിനായി പ്രസിഡന്റ് എം.എസ്. മോഹനനും കോളജിനായി പ്രിൻസിപൽ ഡോ. എ.

ഡിപ്പാർട്ട്മെന്റ് ഓഫ് ഡിജിറ്റൽ ഫിലിം പ്രൊഡക്ഷന്റെയും ആഭിമുഖ്യത്തിലുള്ള വിദ്യാർഥികളാണ് പ്രവർത്തനങ്ങൾ ഏറ്റെടുത്ത് നടപ്പാക്കുന്നത്. പദ്ധതിയുമായി സഹകരിക്കുന്ന വിദ്യാർഥികൾക്കുള്ള സർട്ടിഫിക്കറ്റ് കരാർ പ്രകാരം ഗ്രാമപഞ്ചായത്ത് നൽകും.

പത്രികയിൽ കോളജ് സെക്രട്ടറി ആൻഡ് കൗൺസിലർ സലീം അറക്കൽ, ആരോഗ്യ-വിദ്യാഭ്യാസ സ്റ്റാൻഡിങ് കമ്മിറ്റി ചെയർമാൻ പി.എ. നൗഷാദ് എന്നിവർ സാക്ഷികളായി. മാസ് കമ്മ്യൂണിക്കേഷൻ, ഡിജിറ്റൽ ഫിലിം പ്രൊഡക്ഷൻ വിഭാഗങ്ങളിലെ അധ്യാപ

PARTICIPANT LIST

- 1 NISHANTH
- 2 JULIYAN
- 3 NASMATH
- 4 NAVIN DAS
- 5 SINAN SABEER
- 6 AMEENA FATHIMA
- 7 RAHMATH
- 8 SNEHA
- 9 JAGANATH
- 10 MOHAMMED SUHAIL

First Party


Principal
M.E.S. ASMABI COLLEGE,
P.O.P.VEMBALLUR,
KODUNGALLUR - 680 671
MES Asmabi College
P. Vemballur, Kodungallur

Second Party


30/06/2022
Mr. MS Mohanan
President





MES ASMABI COLLEGE
P. VEMBALLUR

with

SREE NARAYANA PURAM GRAMA PANCHAYATH

CMHEP CELL - MANONEETHAM PROGRAM REPORT 2022-2023

Team:

1. Lathif Penath (Program Coordinator & HoD, Department of Psychology).
2. Minsila Hilal (Asst. Professor, Department of Psychology).
3. Farhana Nasar (Asst. Professor, Department of Psychology).

Community Mental Health Enhancement Program (CMHEP) initiated by Department of Psychology, MES Asmabi College, P.Vemballur jointly collaborated with Sreenarayanapuram panchayat. The project 'SEP (Student Enhancement Program)' is under "Community Mental Health Enhancement Program (CMHEP). As part of the Project, Department of Psychology of MES Asmabi college is conducting various programs for the student enhancement and improvising their academic intelligence in Government and Aided schools under SN Puram Panchayath. It is community project with a huge aim. The project was officially inaugurated after several meetings and orientation sessions regarding the implementation plans and expected outcomes, to the ward members and school teachers of SN Puram Gramapanchayath.



Programs conducted so far

CMHEP Project : Student Enhancement Program Inauguration - Manoneetham

The project was officially inaugurated on 14th October 2022 by MLA E T Tyson Master at MES FR UP School, Kodungalloor. The program was presided by M S Mohanan, President, SN Puram Gramapanchayath. The program included all ward members and principals of schools in Sreenarayanapuram panchayath. Coordinator Sri. Lathif Penath detailed about the implementation ideas of the project. Adv. Navas Kattakath, Secretary & Correspondent, MES Asmabi College, Dr. A Biju, Principal, MES Asmabi College, Dr. K P Sumedhan, Director Self financing departments, MES Asmabi College, Students and Faculty members of the department of Psychology has participated in the program.



Hands on Training for all Upper Primary school teachers in SN Puram Gramapanchayath to recognize and rule out significant developmental issues and childhood related concerns. 150 hours of training was given in 15 sessions. The training was provided the faculty members Department of Psychology and liason officers.

Hands on training for Student mentors of Department of Psychology, which included recognizing developmental anomalies and other significant childhood related issues. The 30 hour training sessions were given in various sessions. The sessions and case demonstration sessions were led by Mr. Lathif Penath (Student Counsellor & Ho D, Department of Psychology), Ms. Minsila Hilal (Consultant Psychologist & Asst. Professor, Department of Psychology), Ms. Farhana Nasar (Asst. Professor, Department of Psychology). 49 student mentors of the department of Psychology has undergone 6 hour monthly field training in the school for case management and assessment.

Case Management Workshop was conducted on 16th January 2023. The session was led by Ms. Pulari C, Rehabilitation Psychologist and Research Scholar at Prajyoti Niketan College, Puthukkad. The students were given essential training on case management, mental status examination and clinical case reporting.

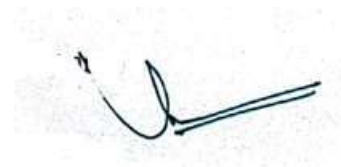
The CMHEP project is ongoing. The phase 2 of the project will be started from June 2023 onwards, with the training for new student mentors.



First Party

Second Party


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671





MES ASMABI COLLEGE, P. VEMBALLUR

with

SCUBA, COCHIN



Report of 'Livelike a Fish: Career Prospects in Scuba Diving'

"Career prospects in scuba diving offer opportunities as instructors, underwater photographers, or dive shop managers, combining a passion for the ocean with adventurous and rewarding professional paths."

DETAILS OF PROGRAMME

Name of the programme	: An orientation Programme to Scuba Diving Career
Name of Co-Ordinator	: Dr. Sayana K A
Organizing department	: Department of Fish Processing Technology
Date & Duration	: 27-02-2023, 1 Day
Number of Participants	: 167
Objective of the programme	: To make the students aware about personal benefits and career opportunities in scuba diving

DETAILED DESCRIPTION OF THE EVENT

In collaboration with Scuba Cochin, Kadavanthra, Kochi; the Dept of Fish Processing Technology conducted a one day talk and interactive session on 27th February 2023. The program was conducted in Winners' Hall. The main objective of the program is to make the students aware about personal benefits and career opportunities in scuba diving, which in turn will motivate, develop and build the students to choose scuba diving as a career option if they wish.

OUTCOME OF THE PROGRAMME

Through this program students were able to realise the career opportunities in diving sector which was really interesting among students

PHOTOS OF THE PROGRAMMME



Why Scuba Diving?
 Scuba diving is not only a recreational activity, but also an educational catalyst which gives ample knowledge on life underwater. By learning some basic skills within small time frame, individuals can enjoy diving freely in water and observe the world underwater. The basic course scheduled in four days, which include a session in swimming pool, few open water dives, online theory, and online assessment. The international certificate will allow the student to dive to a depth of 60 feet and gives credit for the graduate and post graduate courses in many international universities.

DEPARTMENT OF FISH PROCESSING TECHNOLOGY
 IN ASSOCIATION WITH
SCUBA COCHIN
 ORGANISES AN ORIENTATION PROGRAMME TO SCUBA DIVING CAREER

Venue: Winners Hall, MES Asmabi College

Monday
27-02-2023
Time: 10.00 am

Trainer: Jestin Jos,
Scuba Cochin

Why Scuba Cochin?
 Scuba Cochin was established in 2006, with an office in Kallavandhra, opposite Central School. Also have a branch at Kovalam, for giving training in scuba diving and watersports. It was recognized by PADI (Professional Association of Diving Instructors) in 2010, a global agency conducting research and setting standards on recreational scuba diving. We have trained and certified not less than 2000 students safely, during this period. We have participated in many environmental causes like beach cleaning and ghost net removal. We have attended the UN-SDG 14 convention at South Korea in 2019. SDG for life below water.

HOD
Dr. Sayana K. A.

Principal
Dr. A. Biju

LIVE LIKE A FISH: CAREER PROSPECTS IN SCUBA DIVING

MES ASMABI COLLEGE
P. VEMBALLUR

First Party




PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P. VEMBALLUR,
KODUNGALLUR - 680 671

Second Party



Mr. Jestin Jose



MoU – Report of activities

Community based eco restoration of degraded mangrove ecosystems in Eriyad Grama panchayath.

Funding Agency : BMC, ERIYAD GP

Investigator : Dr. Amitha Bachan K.H.

This MoU was signed for a short term consultancy grant to Western Ghats Hornbill Foundation centre at MES Asmabi College for the ecological restoration of Mangroves in Eriyad Gram Panchayath.



- Page-1
- Background
-
- Pges-2
- Background
-
- Page-2
- Objectives
-
- Pages-3-7
- Activities
-
- Page 7-
- Key outcomes
-
- Page-7
- Plan ahead
-
- Pages 8-9
- References
-
- Pages 10
- Media report
-
- Pages 11-13
- Key outcomes
-
-
- Period
-
- March to April 2023
-
- AGENCY
-
- Eriyad Panchayath
-
- TYPE
-
- CONSULTANCY
-

Centre for Ecology, Taxonomy Conservation and Climate Change (CEtC) Western Ghats Hornbill Foundation and Research Department of Botany MES Asmabi College P Vemballur.

Signing of the MoU and Initial Meeting

The Eriyad Grama Panchayath has formally approached the Western Ghats Hornbill Foundation to seek their expertise in providing consultation services. The purpose of this request was to obtain assistance in the planning and technical aspects related to the plantation of mangrove seedlings in specific areas under the jurisdiction of the Eriyad Grama Panchayath. Due to its coastal location and past instances of unsuccessful cultivation on sandy beach beds, the decision was made to seek expert assistance. The technical team provided guidance against planting in sandy environments, as these areas are not conducive to supporting mangrove habitats. A technical agreement was reached to determine the optimal places within the recommended area by the Eriyad Grama Panchayath, provision of saplings, and oversight during the planting procedure. The provision of labour support was decided upon to be facilitated by the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) plan. The inaugural meeting took place on March 1, 2023, at the office of the President of Eriyad Grama Panchayath in Eriyad Kodungallur, Kerala. The meeting was chaired by Mr. Rajan, the President of Eriyad Grama Panchayath. Attendees included Mrs. Ninitha, the Secretary of Eriyad Grama Panchayath; Reshma AR, the Assistant Engineer of MGNREGA at Eriyad Grama Panchayath; Dr. Amitha Bachan K.H., a Scientist representing the Western Ghats Hornbill Foundation Centre at MES Asmabi College; and Ms. Devika M. Anilkumar, the Ecorestoration Programme Coordinator of the Western Ghats Hornbill Foundation. A contractual agreement was executed between the two entities, stipulating a period of 30 days for the purpose of implementation.

Field Visit and Plan preparation

The technical team visited the coastal regions where the Eriyad Grama Panchyath proposed for Mangrove planning and restoration. The team included Dr. Amitha Bachan K.H., Mr. Niyas EA, Ms. Devika M Nailkumar form the Western Ghats Hornbill foundation and Ms. Reshma AR, the Assistant Engineer, MGNREGA, Eriyad Grama Panchayath. The area suggested was not useful for mangrove planting , especially at the beach and suggested better to plant species such as *Calophyllum inophyllum*, *Thespesia populnea* etc in future. Suitable habitat for Mangroves were located behind the sandy beaches where the saline streams are ending and had some associated vegetation of mangroves. The plan was discussed with the Eriyad Panchyath and decided to conduct the program on 9th March 2023 and the MoU was signed on the day 7th March 2023.

Supply of saplings

The selected suitable saplings were *Avicennia officinalis*, *Rhizophora mucronata*, *R. apiculata*, *Bruguiera cylindrica*, *B. gymnorhiza*, *Kandlia kandel* etc. One year old mangrove saplings were brought from the community mangrove nursery maintained by Western Ghats Hornbill Foundation. Being a pioneering situations prevailed in the selected area, more numbers were of *Avicennia officinalis* and *Bruguiera cylindrica*. The MGNREGA leaders were given orientation at the field for selection of the saplings, careful planting, protection by vegetation means and also for the maintenance.



Mangrove saplings supplied

Community Based Eco restoration of Mangroves

The community-based restoration of degraded mangrove ecosystems was started on 9th March 2023 in the three wards (1, 22, 23) of Eriyad Grama Panchayath has been carried through MGNREGA scheme by the technical support of CETC of Hornbill Foundation. The program was inaugurated by planting mangrove sapling by the chief guest Shri. K.P. Rajan, President Eriyad Grama Panchayath and Mr. Febin Francis, Thrissur District Coordinator Kerala State Biodiversity Board. Dr. K.H. Amitha Bachan then gave his speech and encouraged the volunteers from the Bhoomithrasea club of MES Asmabi College with his motivating words emphasising the requisite of niche specific ecological restoration of degraded ecosystems by the involvement of local community. A total of 32 students were volunteered in the mangrove planting in the 1, 22, 23 wards of Eriyad Grama Panchayath.

9th March 2023
11.30 am



**COMMUNITY BASED
ECORESTORATION OF DEGRADED
MANGROVE ECOSYSTEMS**

Inauguration

Organized by
BMC, Eriyad Grama Panchayath

Shri. K P Rajan
President,
Eriyad Grama Panchayath

Mr. Febln Francs
Thrissur District Coordinator, Kerala State
Biodiversity Board

Technical Support:
CEtC Centre
Western Ghats Hornbill Foundation

Voluntary Support:
Bhoomithasena Club &
Department of Botany
MES Asmabi College, Kodungallur

Venue:
1, 22, 23 Wards of Eriyad
Grama Panchayath

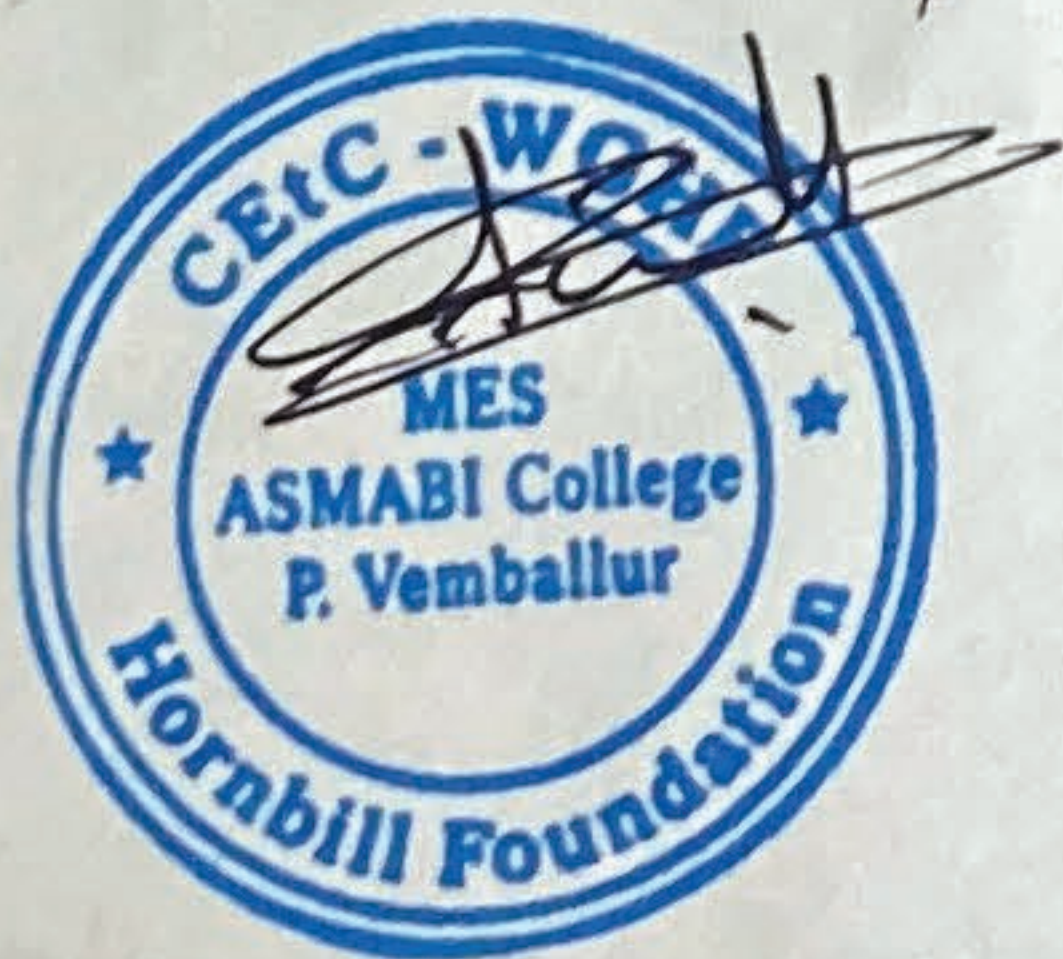
Coordinators
Dr. Girija T.P. (HoD, Dept. of Botany)
Dr. K. H. Amitha Sachan

Dr. A. Biju
Principal

Joint Coordinator
Ms. Devika M Anilkumar



Mangrove planting



[Handwritten Signature]
SECRETARY
Secretary Eriyad Grama Panchayat
P.O. Eriyad, Thrissur-680666



IQAC, MES ASMABI COLLEGE
P. VEMBALLUR

with

IQAC, CO-OPERATIVE ARTS & SCIENCE COLLEGE
MADAYI



Academic Report of Workshop on

NAAC Accreditation through Effective Documentation

HIGHLIGHTS

Date:	: 28/4/2023
Total number of participants:	: 43
Resource Person	: Dr. Shafeer PS, Assistant Professor & IQAC Coordinator MES Asmabi College
Focal areas discussion-based workshop	: NAAC Accreditation through Effective Documentation

The Course of the Workshop

The PG Department of Commerce & IQAC at Cooperative Arts and Science College, Madayi, joined hands with the IQAC & Research Department of Commerce at MES Asmabi College, for a webinar on "NAAC Accreditation Through Effective Documentation." This collaborative initiative aimed to enlighten participants about the complexities of NAAC accreditation and the pivotal role that systematic documentation plays in achieving it. The webinar took place on 28th 2023, at April 7:00 PM through online medium.

Welcome Speech by Smt. Chithra (Assistant professor & HOD MES Asmabi College) warmly welcomed the attendees and emphasized the importance of pursuing excellence through accreditation. She set the tone for the event by underlining the significance of effective documentation in the accreditation journey.

Felicitation by Smt. E. S. Latha (Principal, Cooperative Arts and Science College, Madayi) and by Dr. Biju A, (the Principal of MES Asmabi College). Smt. Latha and Dr Biju extended their felicitations, acknowledging the collaboration between the two institutions. And they emphasized the shared commitment to academic excellence and the importance of such collaborative efforts.

Dr. Shafeer P S, a distinguished expert, delivered an insightful presentation on "NAAC Accreditation through Effective Documentation." His presentation covered the intricacies of the NAAC accreditation process and provided practical guidance on the role of comprehensive documentation. He provided insights, strategies, and practical guidance on how to navigate the complexities of the accreditation process through diligent documentation.

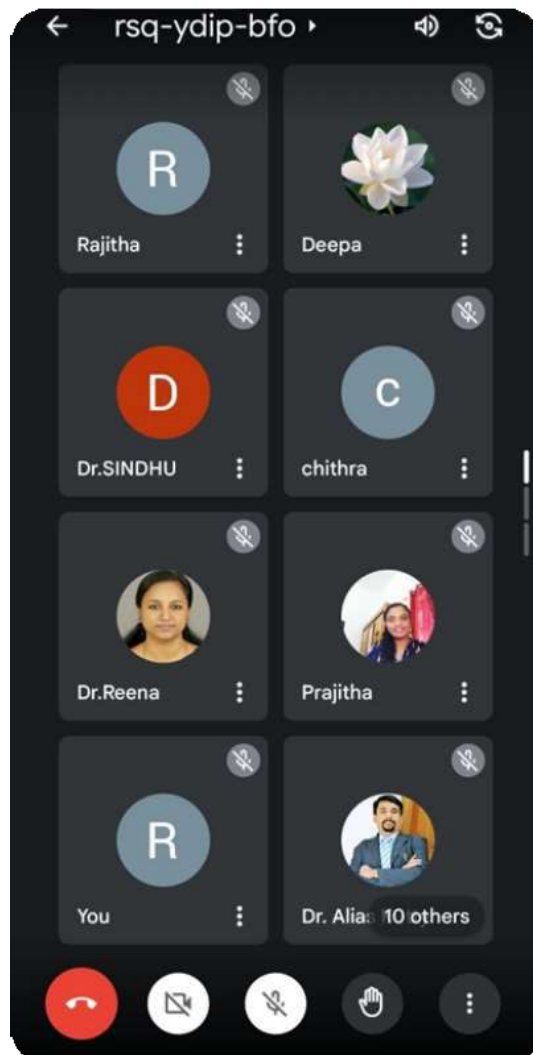
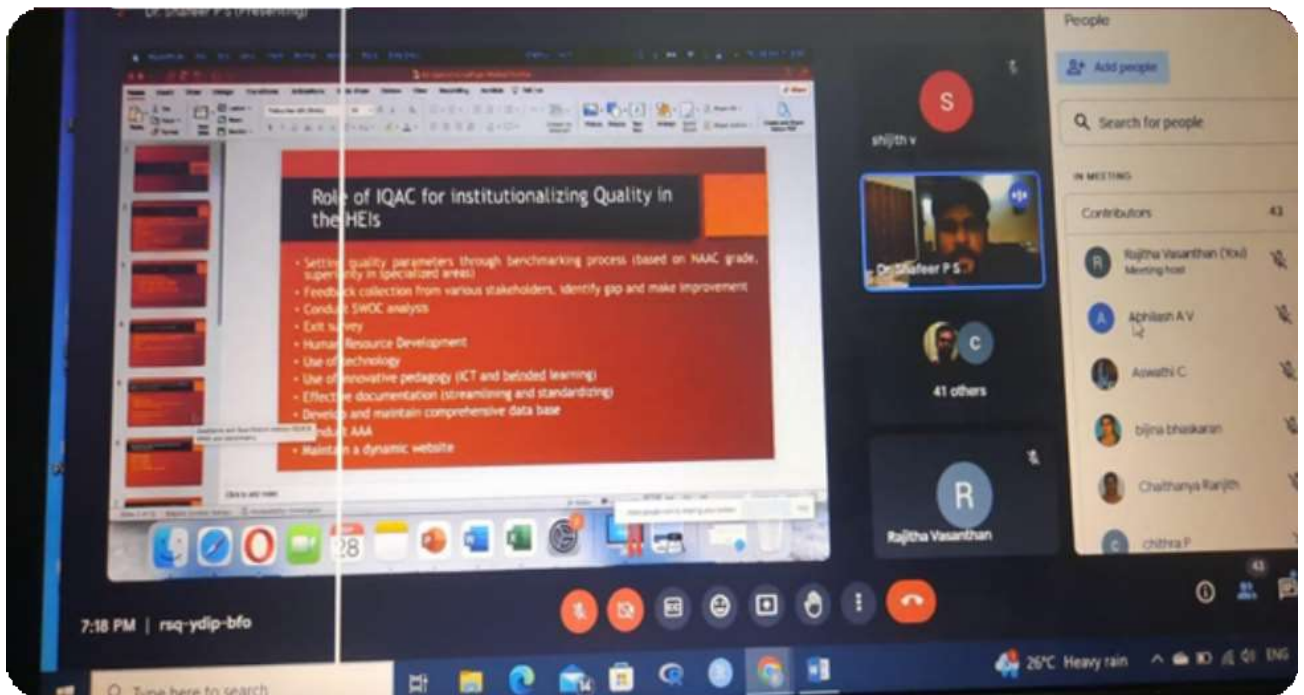
The post-presentation Q&A session allowed participants to engage with Dr. Shafeer. Attendees raised questions, and Dr. Shafeer provided expert responses, fostering a rich learning environment.

The Outcome

Thorough knowledge on NAAC Accreditation Through Effective Documentation.

Vote of Thanks by Smt. Rajitha N K (Assistant professor CAS College Madayi) expressed sincere gratitude to Dr. Shafeer for his valuable insights and guidance. He also thanked all the participants for their active engagement and commended the collaborative effort between the two colleges.

"NAAC Accreditation through Effective Documentation" seminar was a resounding success, providing participants with valuable insights and tools for continuous improvement in the pursuit of academic excellence. The collaborative effort between the two colleges showcased the commitment to quality education and accreditation in the region.



Brochure/Photo of event

**PG DEPARTMENT OF COMMERCE & IQAC
CO-OPERATIVE ARTS AND SCIENCE COLLEGE,
MADAYI**
(GOVT. AIDED, UGC RECOGNIZED AND AFFILIATED TO KANNUR UNIVERSITY)

IN COLLABORATION WITH
**IQAC & RESEARCH DEPARTMENT OF COMMERCE
MES ASMABI COLLEGE, P VEMBALLUR,
KODUNGALLUR, THRISSUR**

**NAAC ACCREDITATION THROUGH
EFFECTIVE DOCUMENTATION**

 **THURSDAY**
28 April 2023

 **07.00 PM**

RESOURCE PERSON
Dr. Shafer P S
Assistant Professor
& IQAC Coordinator
MES Asmabi College



WEBINAR

DR. BIJU A, PRINCIPAL, MES ASMABI COLLEGE
SMT.E S. LATHA, PRINCIPAL, CASC
MR.JOHN Y M V, IQAC COORDINATOR, CASC
SMT. RAJITHA N K, CONVENER, CASC

First Party


PRINCIPAL
M.E.S. ASMABI COLLEGE,
P.O.P.VEMBALLUR,
KODUNGALLUR - 680 671



Second Party


PRINCIPAL,
CO-OP ARTS & SCIENCE COLLEGE,
MADAYI, PAYANGADI (RS) POST
KANNUR - 670 358





Devika M Anilkumar
Madathil



Ecosystem level approach and habitat specific micro level understanding of species composition is essential for effective ecorestoration practise. The ongoing tree planting and ecorestoration activities are devoid of scientific planning for niche and ecosystem adaptability due to lack of ecological methodologies and studies. Bioclimatic prediction of potential habitat through niche modelling and niche profiling of the threatened species of different ecosystems proposed here to avoid invasion into other species niches while restoration.



MoU – Report

IUCN status assessment, Niche modelling and Niche profiling of endemic tree species for effective species recovery and ecorestoration

Funding Agency : Rufford Foundation, UK.

Type : International Fellowship

Grantee : Devika M Anilkumar

A. Rationale

This is an individual research grant obtained for IUCN assessment and conservation planning of selected threatened plants of the Western Ghats. This is international grant is contributing to the existing IUCN Red List assessment and conservation planning project of WGHF and MES 2021-23. The grant has been sanctioned through CED Thiruvananthapuram to Ms. Devika M. Anilkumar.



Centre for Ecology, Taxonomy Conservation and Climate Change (CEtC) Western Ghats Hornbill Foundation and Research Department of Botany MES Asmabi College P Vemballur.

Page-1
Grant Details

Pages-2
Achievements

Page-2-3
IUCN Assessments

Pages-3-4
Ecorestoration Plan

Page 5
Future Perspectives

Page-6
Outreach

Pages -6
The team

Pages -6
Awards

Supervisor
Dr. Amitha Bachan K.H.

Period
June 2022-June 23

AGENCY
Rufford Foundation UK

TYPE
INDIVIDUAL GRANT

Final Evaluation Report

Your Details	
Full Name	Devika M Anilkumar
Project Title	IUCN status assessment, Niche modelling and Niche profiling of endemic tree species for effective species recovery and ecorestoration.
Application ID	37165-1
Date of this Report	28 th July 2023

1. Indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Threatened status assessment using IUCN Red list criteria				Completed assessment for 12 targeted species. Ten submitted to IUCN red list using SIS tool kit. One already published, three scheduled for publication this month, four reviews completed and two are under review.
Niche modelling for prediction of potential habitat				Niche modelling completed for 12 targeted species using modified niche modelling standardised for the Western Ghats region.
Niche Profiling				Completed for the 12 targeted species which segregated into five different habitat profile of the Western Ghats forest.
Species recovery and ecorestoration plan				The potential habitats for ecorestoration and totally converted regions were predicted at each ecoregion level. Five incorporated into forest working plan of one ecoregion, biodiversity strategy action plan of two local bodies. Others will be submitted to forest department.

2. Describe the three most important outcomes of your project.

a) IUCN Threatened status assessment for the selected species:

Completed assessments for 12 targeted plant species endemics to the Western Ghats-Sri Lanka biodiversity hotspot using IUCN Red List criteria. Among these 10 are tree species from different evergreen forests, and two are epiphytic herbs from montane evergreen habitats. Ten were submitted to the IUCN Red List using the SIS toolkit, and one has already been published. Three species are scheduled for publication this month, review has been completed for four species, and two are under review by the IUCN review team.

Targeted species	Habit	IUCN assessment status	Previous status	Present status
<i>Diospyros crumenata</i>	Tree	Assessment completed, submitted to IUCN, Published in red list. https://www.iucnredlist.org/specie	EN	EN

		s/30864/9578063		
<i>Cryptocarya anamalayana</i>	Tree	Assessment completed, submitted to IUCN, Published in red list. https://www.iucnredlist.org/species/38783/138508350	NE	EN
<i>Cryptocarya sheikelmudiyana</i>	Tree	Assessment completed, submitted to IUCN, Published in red list. https://www.iucnredlist.org/species/187622842/187623277	NE	CR
<i>Elaeocarpus recurvatus</i>	Tree	Assessment completed, submitted to IUCN, Under publication. https://www.iucnredlist.org/species/33642/9800036	VU	EN
<i>Syzygium lanceolatum</i>	Tree	Assessment completed awaiting assignment form IUCN	NE	awaiting
<i>Ficus beddomei</i>	Tree	Assessment completed, submitted to IUCN, Published in red list	NE	EN
<i>Syzygium occidentale</i>	Tree	Assessment completed, submitted to IUCN, Published in red list. https://www.iucnredlist.org/species/31199/9608095	VU	EN
<i>Aporosa bourdillonii</i>	Tree	Assessment completed awaiting assignment form IUCN	EN	awaiting
<i>Ochna gamblei</i>	Tree	Assessment completed, submitted to IUCN, Published in red list	NE	EN
<i>Syzygium caryophyllatum</i>	Tree	Assessment completed, submitted to IUCN, Under publication. https://www.iucnredlist.org/species/38036/10094391	EN	NT
<i>Medinilla anamalaiana</i>	Epiphyte	Assessment completed, submitted to IUCN, Under review	NE	awaiting
<i>Impatiens parasitica</i>	Epiphyte	Assessment completed, submitted to IUCN, Under review	NE	awaiting

b). Niche specific potential habitat prediction from landscape to local ecoregion level:

All 12 targeted species were Niche modelled using modified niche modelling standardised for the Western Ghats region. 19 bioclimatic parameters from the WorldClim were used along with terrain, vegetation, land use, and elevation parameters for the prediction of potential habitat. This is again fine-tuned for representing landscape and ecoregion levels. The extent of actual distribution, niche-specific potential habitat for conservation, degraded areas suitable for ecological restoration, and non-recoverable converted habitats were identified and

estimated. Completed for the 12 targeted species, which segregated into five different habitat profiles of the Western Ghats Forest.

c). Species recovery and ecorestoration plan:

The population data estimated for the 12 targeted species from the field work, population density, and other population characteristics were enumerated from the field data using the methodology provided by IUCN. The Importance Value Index was used to find associated species in different vegetation strata of the representing ecosystem. This is again niche profiled using the three-dimensional model. Five different habitat models were produced as a result. The whole set of data, including population estimation, distribution pattern, niche specific potential habitats, and predicted conservation and ecorestoration areas at the ecoregion level, was used for the preparation of species recovery and restoration plans. This is developed for each ecoregion level for all targeted species. The associated species can be used for ecorestoration based on population estimation, and the niche profiles can be used as a model for practical restoration. The ecorestoration plan for five species and their habitat was incorporated into the working plan of Vazhachal Forest Division, Kerala Forest Department, Biodiversity Strategy Action Plan of Athirappilly, and Sree Narayana Puram Grama Panchayath.

3. Explain any unforeseen difficulties that arose during the project and how these were tackled.

There was a 5-month delay in obtaining permission for the field work for this particular study due to processing delays from the Kerala Forest and Wildlife Department (Permission No: KFDHQ/3646/2022-CWW/WL10 dated January 25, 2023, issued to Devika M. Anilkumar and Dr. KH Amitha Bachan). Already existing permission for some areas and species for the PhD programmes was used to fill the gap, and the field plan was modified accordingly.

4. Describe the involvement of local communities and how they have benefited from the project.

Only local people from indigenous communities were employed throughout the field work and data collection. These include protected areas such as five tiger reserves, three national parks, five wildlife sanctuaries, 15 forest areas outside PAs, and a few communities conserved sacred groves within Kerala, Karnataka, and Tamil Nadu states. The forest department, local self-governments (LSGs), Biodiversity Management Committee (BMC) members of different LSGs, and members and officials of MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) were sensitised to the importance of niche specific local community conservation and ecological restoration of threatened tree species and their representing ecosystems.

5. Are there any plans to continue this work?

The IUCN global red list assessment team has assigned us a total of 57 tree species, and we would like to continue working on this for other species as well. The Kerala Forest Department imbibed the idea of niche specific local communities involved in

conservation and ecological restoration of threatened tree species and their ecosystems rather than going for wide propagation and planting of individual tree species. As a result, the Vazhachal Forest Division of the Kerala Forest Department incorporated niche specific ecorestoration plans for five species and their habitats. Discussion with the Kerala Forest Department is advancing for the incorporation of niche-specific ecorestoration plans for selected species (Item No. 5: Minutes of Kerala Forest Department, Planning and Development, No. P4-1537/2021, dated 16.06.2023). We plan to continue discussion with the Kerala Forest Department and Forest Departments of other states in the Western Ghats biodiversity hotspot through the IUCN Western Ghats Plant Specialist Group, of which Dr. KH Amitha Bachan is a member.

Kerala State Biodiversity Board and BMCs of Athirappilly and Sree Narayanapuram Grama Panchayath were also sensitised for niche specific ecorestoration plans and implementation involving local communities. The plans for respective species for the Athirappilly Vazhachal ecoregion were incorporated into the panchayath-level biodiversity strategy action plan of Athirappilly Grama Panchayath, and we were officially involved in the preparation. The same is under process for the Sree Narayanapuram Grama Panchayath. The BMC of the Sree Narayanapuram Grama Panchayath imbibed our plan and developed a coastal vegetation belt restoration involving local women through the MGNREGA scheme, for which we are consultants. The field trials of the coastal vegetation belt have already started. We plan to extend this model for the conservation and restoration of the targeted species and their habitat throughout its predicted areas through a similar consultation process.

We also plan to have local nurseries and field trials for niche specific ecological restoration, at least in a few of the predicted habitats, with multi-stakeholder involvement.

6. How do you plan to share the results of your work with others?

All the IUCN Red List assessments will be available on the IUCN website (<https://www.iucnredlist.org/>). Also, we shared already published links through our organisation's website, exhibitions, and social media platforms. We had interaction with officials such as the Kerala Forest Department, Kerala State Biodiversity Board, and LSGs, also plan for more interactive workshops and consultations with officials of different states. The results were also presented at one national and four international conferences, of which three received best paper presentation awards. We are planning to have an interaction with the IUCN Western Ghats plant specialist group to disseminate the niche specific restoration plan to other states.

7. Looking ahead, what do you feel are the important next steps?

Sensitisation of different stakeholder groups through interaction, consultation, and workshops Incorporation into the management plans of different forest administrative units of each ecoregion unit. Incorporation into BSAP of different LSGs and BMCs. Development of local nurseries of saplings of targeted and associated species. Field trials for field-level eco-restoration and monitoring involving local

communities to improve the resilience of habitats and ecosystems Publications as a research paper in national and international journals. Ecorestoration manuals.

8. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the Foundation receive any publicity during the course of your work?

I have made paper presentations at four international and one national-level conferences. Acknowledged the Rufford Grant support along with the logo in the presentations. used the logo in the regional-level workshops and also mentioned it on our website. The grant support was mentioned in the document shared with the Kerala Forest Department and Kerala State Biodiversity Board, which is reflected in the permission letter issued.

9. Provide a full list of all the members of your team and their role in the project.

Dr. Amitha Bachan KH: Research supervisor and IUCN Co assessor, Dr. Babu Ambat:

Director CED, Dr. A. Biju: Principal MES Asmabi College, Dr. Maya Mohan: Western Ghats Hornbill Foundation. For permission and facilities provided in each institution.

Manikyaraj, Shenthil Kumar, Thankappan, Sudhi of Kadar indigenous community

Madhavan, Sudhakaran of Kattunaika indigenous community

Manikandan of Malasar indigenous community

Vishnu, Kamaraj, Manoj of Muthuvan indigenous community

For the support during field work and data collection.

10. Any other comments?

Paper presentation awards

<https://www.facebook.com/100054814542158/posts/pfbid0iUmKFyYitfP3ihf82oPFx71iz5x4wci7CtiDNQyjwtkfdVcYScSGfoVzqg1gSuMcl/?mibextid=YhNWyK>

<https://www.facebook.com/100054814542158/posts/pfbid02M1YpBTf4WRnGHusgyxuHzL6rk9iBrUS3yhVzVhAojxb8RqD9yQSdQqVJA6uEz9SI/?mibextid=YhNWyK>

Devika M Anilkumar
Madathil House
Moorkanad P.O.
Karuvannur
Thrissur
Kerela
India 680711

27th May 2022

Dear Devika

Offer Letter: 37165-1

We are delighted to let you know that, after careful consideration, the Trustees of The Rufford Foundation have approved a 1st Rufford Small Grant of £6000 to support IUCN Status Assessment, Niche Modelling and Niche Profiling of Endemic Tree Species for Effective Species Recovery and Ecorestoration (the **Project**). This Offer Letter sets out the terms and conditions of our proposed Grant Agreement.

The following are also included with this letter:

- a Banking Information Form; Please pass on to the organisation for completion.
- a template for information you need to provide us for our website;
- information about, and a copy of, the Final Project Evaluation Report template; and
- a copy of our logo in JPG format, together with conditions of use under point 4 Intellectual Property.

We must point out that once this Offer Letter is signed it will create a legally binding agreement between you and the Foundation. We urge you to raise any questions or concerns that you may have about it as quickly as possible. The main point is that by signing this Offer Letter, you agree that this Grant will only be used for the delivery of the Project and not for any other purpose.

Please note that this offer is valid for 120 days from the date of this letter. If we have not had a response from you by the end of this period, the offer will be formally withdrawn.

The Trustees of the Foundation will require you to complete a Final Project Evaluation Report (see point 2 below). In the event that the Grant exceeds the total cost of the Project, you will be required to reimburse us for any funding not used.

By accepting the Grant you agree that you will comply with the terms of the Grant as set out in this Offer Letter.

1. **Grant Payments and Use**

As you know, we will only pay the grant via an organisation. Please contact the relevant person at the organisation that will receive the funds to ensure the details provided on the Banking Information Form included with this Offer Letter are correct. To be clear, the organisation who holds funds on your behalf has no beneficial entitlement to the funds and will notify them of this separately. Whilst we hope that they will not charge any administration fees in respect of holding these funds, these will be deductible from the Grant should they consider it necessary to do so.

To be clear, the Grant must be used exclusively for the Project as outlined above and not for any other programme, project or for any other purpose. The Grant is not transferrable to another individual.

If you wish to make significant changes to your original budget allocations or to fund items that were not originally budgeted for, you **MUST** request permission from the Foundation in advance. Failure to do so may breach the conditions of the Grant and lead to a request for the return of the funds in full.

Should any portion of the Grant remain unused at the end of the Project, please notify the Foundation of this in writing and we will arrange for these funds to be returned to us.

2. **Monitoring and Evaluation**

We need to monitor the impact that our grants are having. Therefore, we require you to fill in a Final Project Evaluation Report at the end of the Project using the template included with this Offer Letter which will:

- contain enough information for us to be able to monitor and track the funds we have granted;
- let us know about the Project's progress or any difficulties that arose; and
- provide full information on expenditure of the Grant. It is important that you retain the management accounts and all paid invoices relating to the Project for at least 2 years after completion of the Project as these may be required for inspection at our discretion.

You also agree to provide us with updates and photographs of the Project for use on the Foundation's website and social media. You grant us permission to use the photographs for these purposes. If you don't own the photographs you will ensure that the owner grants us permission to use them for these purposes.

If you fail to provide sufficient information, or fail to take reasonable steps to provide sufficient information as outlined above, we reserve the right to obtain a reimbursement of the Grant in full.

3. **Limitation of Liability and Indemnity**

To the extent permitted by law, the Foundation shall have no liability under this Grant Agreement (whether to you or any third party).

You agree to indemnify the Foundation against all claims, losses, liabilities or costs (including legal costs) that the Foundation suffers as a result of any alleged or actual

failure by you to comply with or to perform any obligations imposed on you under this Grant Agreement.

4. **Intellectual Property**

For the avoidance of doubt, other than the limited permission we grant to use The Rufford Foundation Logo set out below, this Grant Agreement does not give you the right to use the Foundation's name, marks, logos, trademarks, artwork, images or branding. Should you wish to do so you must seek our prior written consent.

The Rufford Foundation grants to you a non-exclusive, royalty free, limited permission to use the name and the logo included with this Offer Letter (the **Logo**) solely in connection with the Project and subject to the following terms. Your use of the Logo is conditional upon, and amounts to acceptance of, the terms set out immediately below. You agree:

- a. to display the Logo in a prominent position on all of your publications, materials (including any marketing materials) relating to the Project but for no other purpose;
- b. not alter the Logo in any way nor do or permit anything to be done in connection with your use of the Logo that could jeopardise our goodwill in the Logo;
- c. not to grant to any third parties the right to use or display the Logo without our prior written consent;
- d. that your use of the Logo following this permission does not give you any right, title, interest in or to the Logo, nor any goodwill arising out of use of the Logo;
- e. that your right to use the Logo shall, unless otherwise terminated by us on notice to you in writing, automatically terminate following completion of the Project; and
- f. that the Rufford Foundation reserves the right on demand, and as it in its absolute discretion thinks fit, to revoke this permission at any time, following which you shall remove the Logo from all your publications and materials.

You are encouraged to use the Logo as extensively as possible on all materials and publications relating to the Project, subject to the terms above.

5. **Default of Agreement**

Things don't always go to plan and we encourage you to communicate with us if you are ever unsure about whether or not you are in breach of this Grant Agreement. We will always try to find an appropriate remedy for any breach, but if we consider the breach to be serious and/or we cannot agree a way forward with you, the Foundation reserves the right to terminate this Grant Agreement.

The terms of this Grant Agreement shall be governed and construed by English law and the exclusive jurisdiction of the English Courts.


To accept the terms of this Grant Agreement, please return one signed copy that includes **all 4 pages** of this Offer Letter by e-mail to jane@rufford.org

We look forward to working with you,

The Rufford Foundation

By signing this Offer Letter below:

- you acknowledge that you have read and understood all the information contained in this Offer Letter;
- you commit to meet the requirements of this Offer Letter; and
- you agree to carry out the activities set out in your original funding application and to use reasonable endeavours to establish, develop and run the Project in order to achieve the objectives within the time-frames specified.

Signed on behalf of THE RUFFORD FOUNDATION	Signed by THE RECIPIENT
Full name: Jane Raymond	Full name: <i>Devika M Anilkumar</i>
Role: Trust Administrator	Role: <i>Grant Recipient</i>
Signature: Jane Raymond	Signature: 
Date: As per Offer Letter	Date: <i>4th June 2022</i>



MoU – Report of activities

Community based ecorestoration of degraded mangrove ecosystems in Eriyad Grama panchayath.

Funding Agency : BMC, ERIYAD GP

Investigator : Dr. Amitha Bachan K.H.

This MoU was signed for a short term consultancy grant to Western Ghats Hornbill Foundation centre at MES Asmabi College for the ecological restoration of Mangroves in Eriyad Gram Panchayath.



Page-1

Background

Pges-2

Background

Page-2

Objectives

Pages-3-7

Activities

Page 7-

Key outcomes

Page-7

Plan ahead

Pages 8-9

References

Pages 10

Media report

Pages 11-13

Key outcomes

Period

March to April 2023

AGENCY

Eriyad Panchayath

TYPE

CONSULTANCY

Signing of the MoU and Initial Meeting

The Eriyad Grama Panchayath has formally approached the Western Ghats Hornbill Foundation to seek their expertise in providing consultation services. The purpose of this request was to obtain assistance in the planning and technical aspects related to the plantation of mangrove seedlings in specific areas under the jurisdiction of the Eriyad Grama Panchayath. Due to its coastal location and past instances of unsuccessful cultivation on sandy beach beds, the decision was made to seek expert assistance. The technical team provided guidance against planting in sandy environments, as these areas are not conducive to supporting mangrove habitats. A technical agreement was reached to determine the optimal places within the recommended area by the Eriyad Grama Panchayath, provision of saplings, and oversight during the planting procedure. The provision of labour support was decided upon to be facilitated by the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) plan. The inaugural meeting took place on March 1, 2023, at the office of the President of Eriyad Grama Panchayath in Eriyad Kodungallur, Kerala. The meeting was chaired by Mr. Rajan, the President of Eriyad Grama Panchayath. Attendees included Mrs. Ninitha, the Secretary of Eriyad Grama Panchayath; Reshma AR, the Assistant Engineer of MGNREGA at Eriyad Grama Panchayath; Dr. Amitha Bachan K.H., a Scientist representing the Western Ghats Hornbill Foundation Centre at MES Asmabi College; and Ms. Devika M. Anilkumar, the Ecorestoration Programme Coordinator of the Western Ghats Hornbill Foundation. A contractual agreement was executed between the two entities, stipulating a period of 30 days for the purpose of implementation.

Field Visit and Plan preparation

The technical team visited the coastal regions where the Eriyad Grama Panchayath proposed for Mangrove planning and restoration. The team included Dr. Amitha Bachan K.H., Mr. Niyas EA, Ms. Devika M Nailkumar from the Western Ghats Hornbill foundation and Ms. Reshma AR, the Assistant Engineer, MGNREGA, Eriyad Grama Panchayath. The area suggested was not useful for mangrove planting, especially at the beach and suggested better to plant species such as *Calophyllum inophyllum*, *Thespesia populnea* etc in future. Suitable habitat for Mangroves were located behind the sandy beaches where the saline streams are ending and had some associated vegetation of mangroves. The plan was discussed with the Eriyad Panchayath and decided to conduct the program on 9th March 2023 and the MoU was signed on the day 7th March 2023.

Supply of saplings

The selected suitable saplings were *Avicennia officinalis*, *Rhizophora mucronata*, *R. apiculata*, *Bruguiera cylindrica*, *B. gymnorhiza*, *Kandlia kandel* etc. One year old mangrove saplings were brought from the community mangrove nursery maintained by Western Ghats Hornbill Foundation. Being a pioneering situation prevailed in the selected area, more numbers were of *Avicennia officinalis* and *Bruguiera cylindrica*. The MGNREGA leaders were given orientation at the field for selection of the saplings, careful planting, protection by vegetation means and also for the maintenance.



Mangrove saplings supplied

Community Based Ecorestoration of Mangroves

The community-based restoration of degraded mangrove ecosystems was started on 9th March 2023 in the three wards (1, 22, 23) of Eriyad Grama Panchayath has been carried through MGNREGA scheme by the technical support of CETC of Hornbill Foundation. The program was inaugurated by planting mangrove sapling by the chief guest Shri. K.P. Rajan, President Eriyad Grama Panchayath and Mr. Febin Francis, Thrissur District Coordinator Kerala State Biodiversity Board. Dr. K.H. Amitha Bachan then gave his speech and encouraged the volunteers from the Bhoomithrasea club of MES Asmabi College with his motivating words emphasising the requisite of niche specific ecological restoration of degraded ecosystems by the involvement of local community. A total of 32 students were volunteered in the mangrove planting in the 1, 22, 23 wards of Eriyad Grama Panchayath.

9th March 2023
11.30 am



**COMMUNITY BASED
ECORESTORATION OF DEGRADED
MANGROVE ECOSYSTEMS**

Inauguration

Organized by
BMC, Eriyad Grama Panchayath

Shri. K P Rajan
President,
Eriyad Grama Panchayath

Mr. Febln Francs
Thrissur District Coordinator, Kerala State
Biodiversity Board

Technical Support:
CEtC Centre
Western Ghats Hornbill Foundation

Voluntary Support:
Bhoomithasena Club &
Department of Botany
MES Asmabi College, Kodungallur

Venue:
1, 22, 23 Wards of Eriyad
Grama Panchayath

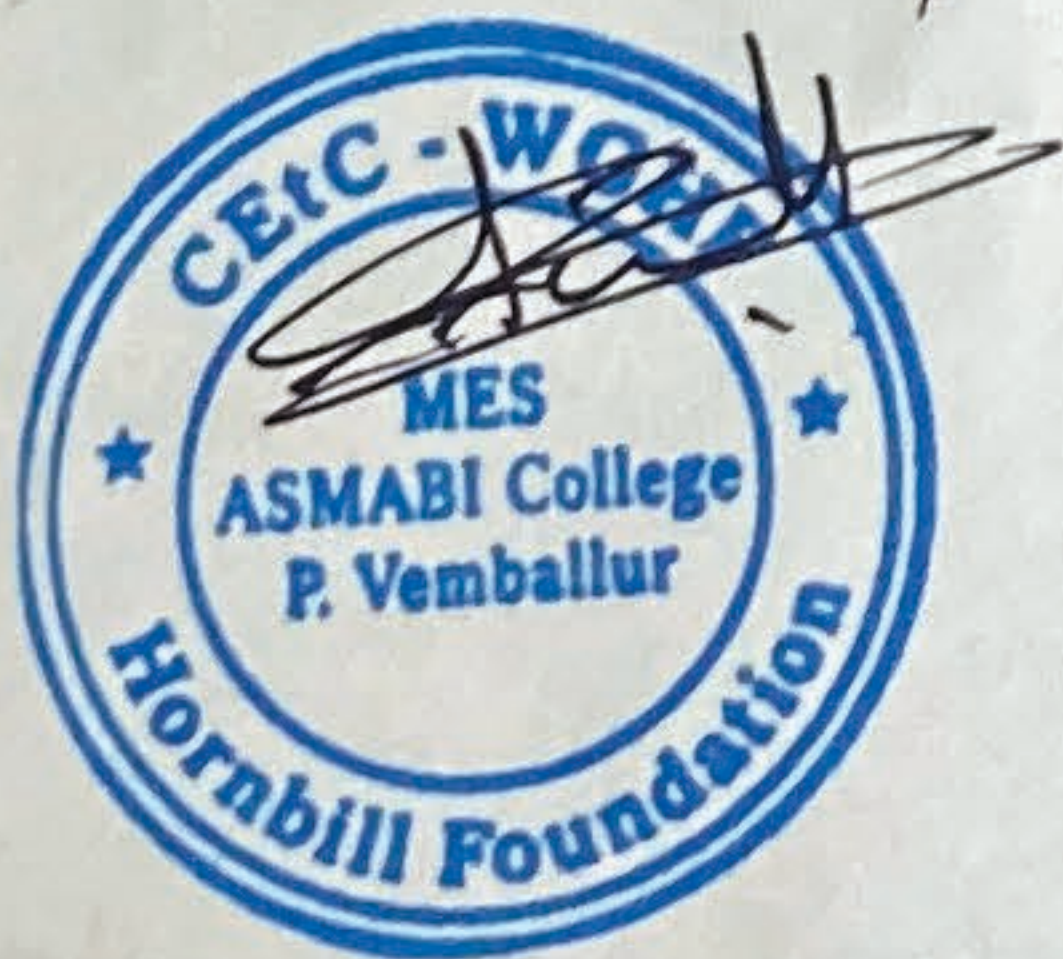
Coordinators
Dr. Girija T.P. (HoD, Dept. of Botany)
Dr. K. H. Amitha Sachan

Dr. A. Biju
Principal

Joint Coordinator
Ms. Devika M Anilkumar



Mangrove planting



[Signature]
SECRETARY
Secretary Eriyad Grama Panchayat
P.O. Eriyad, Thrissur-680666



MoU – Report of activities

Niche profile based ecorestoration of three threatened tree species in the low elevation habitats

Funding Agency : Prakriti Research Fellowship

Investigators : Devika M Anilkumar

Super visor: Dr. Amitha Bachan K.H.

A. Rationale

This is an individual research grant obtained for the ecorestoration of three threatened tree species for the period 2022-23. This was an individual national fellowship awarded to Ms. Devika M. Anilkumar, Ecorestoration Project Coordinator, through a competitive selection for action research by CARPE at the national level.



Centre for Ecology, Taxonomy Conservation and Climate Change (CEtC) Western Ghats Hornbill Foundation and Research Department of Botany MES Asmabi College P Vemballur.

Page-1

Contents

Pges-2

Background

Page-2

Objectives

Pages-3-7

Activities

Page 7-

Key outcomes

Page-7

Plan ahead

Pages 8-9

References

Pages 10

Media report

Pages 11-13

Key outcomes

Period

2022-23

AGENCY

CARPE

TYPE

INDIVIDUAL GRANT

Background to the project

The project is to supplement local community based ecological restoration of low elevation habitat of three threatened tree species. The targeted species are (i) *Diospyros crumenata* (EN) (ii) *Prioria pinnata* (EN) and (iii) *Hopea ponga* (VU). The niche profiled niche specific ecorestoration plan for the species were prepared by the Western Ghats Hornbill Foundation and incorporated into the DPR of local self-government to implement local women through BMC and MGNREGA scheme as a pilot ecorestoration initiative. This project support for the periodic monitoring, maintenance and transportation of the sapling and restoration of the species and their associates in the identified five different locations.

Objectives

- i. Ecorestoration of the targeted species at three habitats and five locations with the involvement of LSGs and local community.
- ii. Maintenance of the saplings, periodic monitoring and local transportation.
- iii. Publication of an ecorestoration manual for niche specific planning and restoration.

Methodology

i. Ecorestoration of the targeted species at three habitats and five locations with the involvement of LSGs and local community.

The Niche models and profiles have been developed for the targeted three threatened tree species (i) *Diospyros crumenata* (EN) (ii) *Prioria pinnata* (EN) and (iii) *Hopea ponga* (VU). Ecorestoration of niche profiled three coastal ecosystems 1. The Coastal Sacred groves, 2. Low elevation Riparian forests and 3. Low elevation rainforest patch. with involvement of local community. The potential habitats were identified and suitable partnership are being established with local self-governments to involve local community through MGNREGA or similar schemes.

ii. Maintenance of the saplings, periodic monitoring and local transportation.

Establishment of Nursery and maintenance of the sapling are the major requisite. The nursery was established at WGHF centre, MES Asmabi College campus targeting production and maintenance of 50 saplings each. The project support also used for

maintenance of the saplings for one year growth. The project also envisage production and maintenance of 200 saplings of the associated species based on the niche specific plan. These include seed collection, sapling collection, nursery bed, germination, stock development, maintenance and distribution. The planting will be done based on the niche profiles along with associated species and with regular distances. The planted trees will be periodically monitored empowering women involved in the process through trainings. Nutrient support, local travel of the research team and transportation of the saplings and required materials envisaged in the process of ecorestoration and periodic monitoring with support.

iii. Publication of an ecorestoration manual for niche specific planning and restoration.

An ecorestoration booklet based on niche specific planning suitable for the coastal and low elevation forests will be published at the end of the project.

Results & Discussion

Objectives 1:

Ecorestoration of the targeted species at three habitats and five locations with the involvement of LSGs and local community.

The project focusses on restoration at five locations based on niche specific ecological restoration plan of the low elevation habitats involving local self-governments and local community. The ecorestoration started at two locations for restoring degraded sacred groves. The first restoration site is at Nethajinagar within SN Puram grama panchayath, Thrissur district, Kerala in collaboration with BMC and MGNREGA of the Panchayath. The Second site is at Nambiyath Kadavu, Thalikulam Grama Panchayath, Thrissur, Kerala.

1. Restoration site 1: Nethajinagar, SN Puram

The restoration site is an abandoned sacred grove and associated pond maintained traditionally by a family Paraparambil House. The restoration sites come in the niche specific restoration area of three targeted species and the programme was implemented with the support of BMC and MGNREGA of SN Puram Grama Panchayath. The required sapling of the *Diospyros crumenata*, *Prioria pinnata* and *Hopea ponga* were provided with

the support of the Prakriti Research Fellowship. The program was established as per the ecorestoration plan and agreement between BMC and Western Ghats Hornbill Foundation.



Inauguration of the ecorestoration-Planting by Mr. M.S. Mohanan, President Sree Narayana Puram

2. Restoration site 2: Nambiyath Kadavu, Thalikulam Grama Panchayath

The initial discussion on ecorestoration of sacred grove at Nambiyath Kadavu, Thalikulam (10°26'8"N, 76°4'46"E) was held during November 2022. It was finalised during March 2023. The partnership was established between Western Ghats Hornbill Foundation and Research Department of Botany Sree Narayana College, Nattika and the local community member. The first phase planting was done on 3rd April 2023 and final planting is scheduled on 22nd June 2023. The planted species include *Diospyros crumenata*, *Prioria pinnata*, *Hopea ponga*, *Vateria indica*, *Hopea parviflora*, *Holigarna arnottiana* etc.



Restoration site 2: Nambiyath Kadavu, Thalikulam Grama Panchayath



Handing over the sapling by Mr. Febin Francis, District Coordinator KSBB



First Phase planting at the degraded sacred grove, Thalikulam

Objectives 2:

Maintenance of the saplings, periodic monitoring and local transportation.

The saplings of three targeted low elevation species such as *Diospyros crumenata*, *Prioria pinnata* and *Hopea ponga* were raised in the nursery along with their various associated species (Fig. 1). 50 saplings of each targeted species and 200 saplings of associated species were nurtured (Fig. 2).

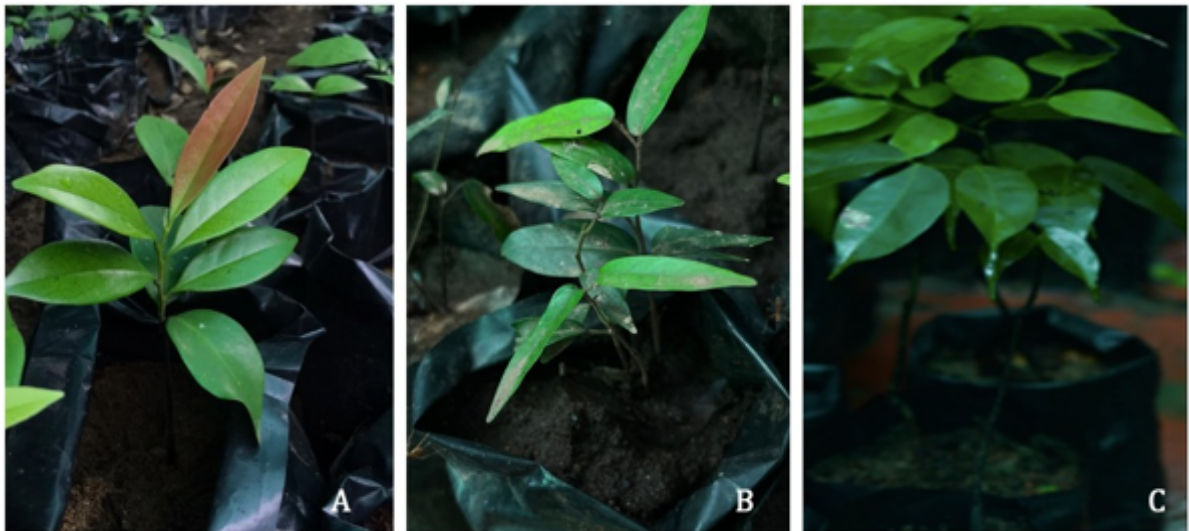


Fig. 1. A. *Diospyros crumenata* Thwaites, *Hopea ponga* (Dennst.) Mabb. and *Prioria pinnata* (Roxb. ex DC.) Breteler.



Fig. 2. Saplings maintained at the nursery for ecological restoration

Proper moisture conditions with some nutrients which are essential for their survival were provided. Maintained saplings of associated species includes *Hopea parviflora*, *Humboldtia vahliana*, *Aporosa bourdillonii*, *Baccaurea courtallensis*, *Syzygium occidentale*, *Holigarna arnottiana*, *Vateria indica*. Periodic monitoring at the nursery and two ecorestoration habitats is ongoing in collaboration with local community as per the proposal.

Objectives 3:

The third objective is the preparation of a manual of ecorestoration plan which will be completed in the final stage of project.

Key outcomes

- **Identification, development and maintenance of nursery:** The nursery is established at the at WGHF centre, MES Asmabi College campus suitable for low elevation tree species as per the niche profiled conservation plan. The support from the project is used for maintenance of the targeted saplings. 50 saplings of the three targeted species along with 200 associated species were nurtured and maintained.

- **Local gene pool and biodiversity:** The saplings developed from local seed bank to ensure genetic diversity integrating to the concept of biodiversity conservation at genetic level.
- **Bench mark data generation:** The planting and monitoring of the saplings as per the ecorestoration plan completed for two out of the five targeted locations. An initial data on the planted species were recorded as bench mark information and this could be used for periodic monitoring.
- **Involvement of local community ensuring linkages with sustainability and livelihood:** 10 women representing their families were involved in the two ecorestoration sites through MGNREGA livelihood scheme of the Sree Narayanapuram Grama Panchayath.

Plan ahead

Niche specific ecorestoration of targeted species in the Low elevation Riparian forests and Low elevation rainforest patch.

Periodic monitoring of nursery and the restoration sites by the involvement of local community.

Preparation of an ecorestoration booklet based on niche specific planning suitable for the coastal and low elevation forests.

References

- Amitha Bachan K.H. and Devika M. Anilkumar. 2022. Niche profiling and niche modelling of endangered *Cryptocarya anamalayana* endemic to Western Ghats for conservation and restoration. Reference Collection in Earth Systems and Environmental Sciences. Elsevier. <https://doi.org/10.1016/B978-0-12-821139-7.00225-7>.
- Amitha Bachan K.H., Pooja Suresh and Devika M. Anilkumar. 2021. Riparian Forest of Western Ghats, an endangered Ecosystem. Reference Collection in Earth Systems and Environmental Sciences. Elsevier. <https://doi.org/10.1016/B978-0-12-821139-7.00207-5>.
- Devika M. Anilkumar & Amitha Bachan, K.H. 2021. Niche profiling, Niche modelling and reassessment of three IUCN red listed endemic tree species for

conservation and ecorestoration. Masters Thesis University of Calicut, Kerala. India.

- Amitha Bachan, K.H. and Devika, M. A. 2022. “Unto Nature’s wilderness until harmonise our understandings to restore healthy ecosystems”. Harnessing nature magazine IUCN Commission on Ecosystem Management (CEM) group.
- Amitha Bachan K.H. and Devika M. Anilkumar. 2021. A preliminary perspective strategic plan for the conservation, monitoring and ecorestoration of coastal ecosystems and its biodiversity within the SN Puram Grama Panchayat, Kerala. BMC, SN Puram Grama Panchayat.
- Amitha Bachan, K.H., Pooja Suresh., Gouthami, V., Sreehari, S. Nair., Anitha, K. T., Sidharth, A S Kumar. and Devika M. Anilkumar. (2019). Ecological Monitoring, Natural Forest Enumeration and Riparian Ecorestoration supporting working plan preparation of Vazhachal Forest Division. Project Report. Pp 374.
- Amitha Bachan and Devika M. A. 2021. GIS based GAP analysis for the biodiversity conservation and management in the plantations in the Munnar Landscape Unit Western Ghats. For Indian Institute of Plantation Management.
- Amitha Bachan and Devika M. A. 2021. Participatory resource mapping of Bamboo in selected areas of Athirappilly Grama Panchayat. for HRML UNDP- Uravu project.
- Amitha Bachan, K.H. and Devika, Devika M. Anilkumar. 2020. Impacts of dams on riparian vegetation: A case study in Chalakudy river, Western Ghats, India. J. Aquat. Biol. Fish. 8, 7-13.
- Shaji K.A. 2019. A community rallies around hornbill habitat to aid conservation. Mongabay. 12 <https://india.mongabay.com/2019/12/a-community-rallies-around-hornbill-habitat-to-aid-conservation/#>
- Amitha Bachan K.H. (2010). Riparian flora of the Chalakudy river basin and its ecological significance. Ph. D Thesis University of Calicut, Kerala. India.

Annexure

30th April 2023
 4.30 pm

ECORESTORATION OF THREATENED TREES AND HABITAT

*A community based initiative for
 restoration of sacred groves...
 Threatened tree sapling distribution for
 ecorestoration of sacred grove...*

Inauguration

Shri. M.S. Mohanan
 President,
 Sree Narayanapuram Grama
 Panchayath

Mr. Ratheesh P.R
 Convenor, BMC SN Puram

Dr. K.H. Amitha Bachan
 Director, Hornbill Foundation

Venue: Nethajinagar

**Organised by
 BMC, Sree Narayana Puram
 Grama Panchayath**

Technical Support:
 CEtC Centre Hornbill Foundation at MES
 Asmabi College Campus



കാവു, കുളങ്ങരയും എസ്എൻ പുരത്ത് ഭദ്രം

കെ.എ.എസ്.

കാവുകളെയും കുളങ്ങരയും പുനഃസ്ഥാപനത്തിന്റെ രണ്ടാം ഘട്ടം ശ്രീ നാരായണപുരം പഞ്ചായത്തിൽ തുടങ്ങി. 30 കാവുകളും അമ്പതുകുളങ്ങരമാണ് രണ്ടാം ഘട്ടത്തിൽ പരിപാടിയിൽപ്പെടുത്തിയത്. തിരുവനന്തപുരം സർവ്വകലാശാലയിൽപ്പെട്ട പുനഃസ്ഥാപനത്തിന്റെയും തുടർച്ചയായി പദ്ധതിയിൽ ഉൾപ്പെടുത്തിയിട്ടുണ്ട്.

പഞ്ചായത്തും ചോരാഹാരി റോഡിന് തുറന്നിട്ടുള്ള തോട്ടത്തിലും തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്. തോട്ടത്തിൽ കെട്ടിയിടലും, പരിപാലനം വേണ്ടാതെ പെട്ടെന്ന് വളരുന്നതിനും തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്.

കാവുകളിൽ 20 ഇനം സസ്യങ്ങൾ വാഹനം തിരഞ്ഞെടുത്തിട്ടുണ്ട്. ഇതിൽ കൂട്ടം, തമ്പകം, കരിമ്പും എണ്ണവെട്ടും തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്. തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്.

പദ്ധതി നിർവ്വഹിക്കുന്നതിന് പഞ്ചായത്ത് പ്രസിഡന്റ് എസ് മോഹൻ ഉദ്ഘാടനം ചെയ്തു. വികസന കാര്യാലയം വരിൽ കെട്ടിയിടലും പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്. തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്.

രണ്ടാം ഘട്ടത്തിൽ പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്. തുടർച്ചയായി പദ്ധതിയിൽപ്പെടുത്തിയിട്ടുണ്ട്.



കാവുകളെയും കുളങ്ങരയും പുനഃസ്ഥാപനത്തിന്റെ രണ്ടാം ഘട്ടം ശ്രീ നാരായണപുരം പഞ്ചായത്തിൽ തുടങ്ങി

PRAKRITI RESEARCH FELLOWSHIP

PROJECT IMPACT ASSESSMENT FORM (to be filled by the PRF fellow)

1) Kindly self-evaluate the project based on the level of completion of the original objectives of your project

SL. No.	Objective	Not completed	Partially completed	Fully achieved	Comments (justification for not being able to complete an objective. Kindly keep it short and concise)
1	Ecorestoration of the targeted species at three habitats and five locations with the involvement of LSGs and local community.		Completed as per the objective and work plan		Completed for one habitat and two locations even though this is envisaged in the Q2. This objective is to be completed Q2 and Q3 as per work plan.
2	i. Maintenance of the saplings and local transportation.			Completed	50 saplings of targeted species and 200 saplings of various associated species. (50x3 = 150; 150 + 200 = 350)
	ii. Periodic monitoring			Completed	Periodic monitoring at the nursery and two eco-restoration habitats is undergoing in collaboration with local community as per the proposal.
3	Publication of an eco-restoration manual for niche specific planning	Not completed			Envisaged in the Q3.

	and restoration.				
--	------------------	--	--	--	--

2) Budget details

Budget head	Budgeted amount (INR)
Maintenance of the saplings	30,000
Local transportation of saplings	40,000
Involvement of local community	-
Periodic monitoring	64,000
Travel and logistics	37,000
Publication and review meeting	30,000
Total proposed	201,000
Total sanctioned	2,00,000
TDS (10%)	1,80,000

Note: Mention details of funding received from other sources (if applicable) in a separate table.

3) State the key outcomes of the project (in bulleted points)

- Identification, development and maintenance of nursery: The nursery is established at the at WGHF centre, MES Asmabi College campus suitable for low elevation tree species as per the niche profiled conservation plan. The support from the project is used for maintenance of the targeted saplings. 50 saplings of the three targeted species along with 200 associated species were nurtured and maintained.
- Local gene pool and biodiversity: The saplings developed from local seed bank to ensure genetic diversity integrating to the concept of biodiversity conservation at genetic level.
- Bench mark data generation: The planting and monitoring of the saplings as per the ecorestoration plan completed for two out of the five targeted locations. An initial data on the planted species were recorded as bench mark information and this could be used for periodic monitoring.

- Involvement of local community ensuring linkages with sustainability and livelihood: 10 women representing their families were involved in the two ecorestoration sites through MGNREGA livelihood scheme of the Sree Narayanapuram Grama Panchayath.

4) Have you disseminated your results to the relevant authorities, local communities, and any other relevant stakeholders? If yes, briefly mention how the results of the study were received by the respective stakeholders (in bulleted points). If not, please state how you plan to disseminate the results and provide a timeline for the same.

- The concept was presented before the biodiversity management committee of Sree Narayana puram Grama Panchayath at consecutive meetings since March 2023 and decision was taken and recorded in the minutes of BMC for ecorestoration at various sites.
- The concept was explained to MGNREGA women from the targeted community at three different sessions since March 2023.
- We organized an event on 5th June 2023 for plant count at ecorestoration sites involving the trained MGNREGA, BMC members of the Panchayath, students and teachers from the local region.
- The plan and progress of the ecorestoration involving Grama Panchayath, BMC and MGNREGA was presented before the entire stakeholder team in a one day workshop on 9th June 2023, organised by SN Puram Grama Panchayath with the support from Kerala State Biodiversity Board (KSBB). Officials from KSBB, District Panchayath, Kerala Forest Department, Block Panchayath, District level officials from MGNREGA, Panchayath ward members, CDS members, Harithakarmasena members, MGNREGA women, local community members, teachers and students representing 17 educational institution of the region were present.

5) Did PRF receive any publicity during the project? Mention publications/events where the PRF logo and the Donor logo were used.

PRF support is mentioned in the collaborated ecorestoration program and is evident in the proposed and finalized work plan of the Biodiversity Management Committee for implementation. Logo were used in the presentation and brochure.

6) PRF team is constantly striving towards improving the fellowship. We would appreciate a feedback on the fellowship and areas for improvement. Please give your feedback below.

We appreciate the consideration for threatened plant species, local community partnership and the fund support given for filling the gap and strengthening the scientific integrity of an ecological restoration process.

7) I give my consent to publishing the final report on the PRF/ CARPE website

A handwritten signature in blue ink, appearing to read 'Devika', with a long horizontal stroke extending to the right.

Name and signature: Devika M Anilkumar

-----X-----X-----

Memorandum of Understanding

This Memorandum of Understanding is made and signed on the 26th Jan 2023 by and between Devika M Anilkumar (hereinafter known as fellow) residing at Madathil House, Moorkanad P.O. Karuvannur, Kerala, India And The Centre for Applied Research and People Engagement, a company registered under Sec 8 of the Companies Act 2013, having its registered office at Plot no. 2, Gate no. 46, Nakshatra PA, Behind St. John English School, Vitkheda, Aurangabad (hereinafter known as CARPE)

Whereas CARPE invited applications for Prakriti Research Fellowship for the year 2023-2024.

Whereas Fellow applied for the Prakriti Research Fellowship.

Whereas after a process of scrutiny of various applications the fellow was selected and awarded the Prakriti Research Fellowship **for the project titled – “Niche profile based Eco restoration of three threatened tree species in the low elevation habitats”**

Project Duration: January 2023 to December 2023 (Extension might be provided, in case required)

Whereas by signing this MoU Fellow and CARPE both agree on the following terms and conditions of the Prakriti Research Fellowship:

1. Terms of agreement

Prakriti Research Fellowship is for a period of one year starting from the date of receiving the first instalment.

2. Disbursement of funds

The fellow will be awarded a total of Rs. 2 Lakh only for the entire duration of this fellowship. This amount will be disbursed based on the below mentioned break up:

<i>Sr no.</i>	<i>Portion of fund that will be disbursed</i>	<i>Criteria</i>
1	30%	Advance upon signing of MoU
2	30%	after the end of Q1 review (online presentation to the donor & PRF team)

Sauri

3	40%	after the Final report (2) is submitted and approved post review
---	-----	--

Kindly note: 10% TDS will be deducted at every disbursement. This can be claimed by the applicant at the end of the financial year upon filing of his/her income tax returns.

At any time if the project progress is found unsatisfactory, the disbursement of future installments will be held back till the problems are resolved.

CARPE reserves the right to change or alter the fund disbursement upon its sole discretion.

3. Use of fellowship funds

The Fellow may spend the allocated budget strictly adhering to the budget submitted by them at the time of project/ application submission. In case of any deviation in the expenditure from the planned budget the fellow must inform CARPE in advance.

All payments will need to be supported by a fund utilization certificate for the funds already disbursed and a provisional utilization certificate for upcoming disbursement. Format for these certificates will be shared by CARPE.

Fellows will be required to send letters of acknowledgement against all payments received. The fellows will also be required to keep CARPE informed about additional sources of funding for the project.

Any uninformed discrepancy in budget expenditure will be subject to scrutiny and appropriate action at the discretion of CARPE. This could also lead to termination of the fellowship.

4. Submission of reports

The Fellow needs to submit 1 report and 1 PPT to CARPE during the fellowship period, i.e.,

1. First Quarter Review Presentation: At three months from Signing of MoU
2. Final Report: At six months from Signing of MoU

CARPE will study the report and provide feedback on these reports.

Fellow will be expected to make any changes/ provide additional information as required. The revised reports must be submitted within two weeks from the date of request/ feedback.

CARPE will share formats for the reports with the fellows. These formats will serve as a guideline for the fellows and the report will be evaluated based on the criteria mentioned in the formats.

Since fellow will have access to the formats from the start of the fellowship, it is recommended that the fellow studies the formats and ensures that the appropriate data, photographs and information are collected on a regular basis to avoid any last-minute problems. Fellow is welcome to send us any additional reports, videos, etc. about the project that may not fit within the format.

There will be an online meeting towards the end of the fellowship period, wherein the fellow should deliver the final presentation on the entire project.

CARPE team may visit the project site for monitoring purposes. Fellow is expected to coordinate with the team to arrange such visits.

Short videos

Along with the update reports, the fellow is expected to share a short video of the project which can be shared with our funding partners and on social media to draw attention to ecological conservation and support researchers like the fellow. The fellow should share minimum three such videos with each written report. The video may not be of professional standards but should be of sharable quality.

5. Acknowledgement

All publications, including research publications, press releases, any other publications, documents, or presentations about the research that is funded by this fellowship must include the following:

1. A specific acknowledgment of fellowship support from CARPE and the Funders, such as: "Research reported in this [publication/press release/presentation] was supported by the Centre for Applied Research and People's Engagement and Funders:

1. Grind Master
2. AITG
3. Mayuri Kerr
4. Kedar Shah

under the Prakriti Research Fellowship"

2. The PRF logo and funders logo in all the outreach materials, workshop banners, reports and talks given by the fellow. Not adhering to this would send a message of disregard for funders and

supporters of the Fellowship. We believe that adding the PRF logo will add value to the reputation of the fellow's work.

3. A disclaimer that states: "The content is solely the responsibility of the authors and does not necessarily represent the official views of Centre for Applied Research and People's Engagement and the Funders"

4. Fellow is required to disclose at the beginning of the fellowship details of other funders and partners whose branding may need to be used in any part or whole of the project.

6. Intellectual Property

The copyrights in all written materials, photographs, drawings, software, and other works subject to copyright protection created or generated under this fellowship shall be owned by the Fellow. With respect to such copyrighted works, CARPE shall have a royalty-free, non-exclusive, and irrevocable license to reproduce, publish, or otherwise use this data. All such copyrighted works shall include a formal acknowledgement of CARPE and the funder under this fellowship agreement. Fellow shall provide at least one hard copy and an electronic copy of each such copyrighted work to CARPE. CARPE expects the fellow to have at least one publication in the form of a popular article (newspapers, magazines, blogs)/ research papers in scientific journals, for wider dissemination of the results.

With respect to research data, which shall include the recorded factual material commonly accepted in the scientific community as necessary to validate research findings (but not any preliminary analyses, drafts of scientific papers, plans for future research, peer reviews, or communications with colleagues), the fellow shall retain all rights in said data but shall provide timely and unrestricted access to the data to CARPE. Without limitation of the foregoing, CARPE shall have the right to (1) obtain, reproduce, publish, or otherwise use the research data first produced under this fellowship, and (2) authorize others to receive, reproduce, publish, or otherwise use such data for other research and implementation purposes.

7. Respect for all associated persons and organizations

The Prakriti Research Fellowship brings together diverse stakeholders - fellows, funders, jury members, administrators etc. Each stakeholder has been strategically brought on board on the basis of a shared vision of ecological and environmental conservation. Fellow is expected to keep a high level of integrity and respect for all stakeholders of the Fellowship.

8. Termination of Contract

This Fellowship Agreement may be terminated in whole or in part, in accordance with the following:

1. If the fellow's work doesn't live up to the PRF standards, the decision on termination of the contract in part or full shall lie solely at the discretion of CARPE.

2. 2a. If Fellow materially fails to comply with the terms and conditions of this fellowship Agreement, or 2b. Any change in legal status of fellow/ licenses/ permissions secured for the project and 2c. CARPE may terminate this fellowship Agreement without cause upon 30 business day's written notice of the intent to do so, and such action shall in no event be deemed a breach of contract. In the event that this fellowship Agreement is so terminated, CARPE shall not be liable to pay any cost incurred by the fellow before or after the termination of the contract.

3. If the contract was terminated on the basis of submission of unsatisfactory work by the fellow, CARPE will expect the fellow to return the funds.

4. If the fellow decides to end the contract due to any reason, the fellow should inform CARPE 30 days in advance in writing. The return of the funds will be taken up on a case by case basis.

5. The focus of the fellowship is research and conservation action, hence, if during the course of the fellowship the focus shifts to activism, then the fellowship might result in termination.

9. Grievance Policy

Any grievances of the fellows should be communicated to CARPE through email at research@carpeindia.org . The fellow must file a grievance within 90 calendar days after the fellow knew or should have known of the act or omission upon which the grievance is based, whichever time period is longer. Grievances shall be resolved in a proper and time bound manner with detailed advice to the fellow.

10. Limitation of Liability

Fellow agrees to assume the sole responsibility for the research, including taking any necessary precautions for the protection of persons and property. CARPE and its officers, directors, employees, and agents shall not be responsible for any claims, damages, or liability arising out of the Fellow's research performed using funds under this fellowship Agreement. As between the Parties to this fellowship Agreement, Fellow is solely responsible for any liabilities that may arise in connection with performance under the fellowship Agreement.

11. Compliance with Laws

Fellow shall comply with all applicable laws, rules, regulations, ordinances, orders or requirements and any governmental authority relating to the project activities. Fellow shall neither discriminate nor permit discrimination in its operations or employment practices against any person or group of persons on the grounds of race, colour, religion, national origin, sex, sexual orientation, or disability in any manner prohibited by law, nor shall Fellow engage in or permit sexual harassment of any person in any manner prohibited by law.

Sauri

12. Necessary permits

The responsibility of taking necessary permits to carry out the study from the concerned authorities lies fully with the fellow. CARPE and the funders cannot be held responsible for issues/problems arising thereof.

13. Records and Audit Requirements

Fellow shall retain all financial records and other pertinent evidence pertaining to costs incurred and reimbursed hereunder for a period of one year after the termination date. Fellow agrees to give CARPE or its authorized representatives access to these records and other pertinent books, documents, papers or other records in order to conduct audits. Fellowship closeout does not alter these requirements.

14. Sub-granting the fellowship

No portion of this fellowship may be sub-granted, assigned, or otherwise disposed of, unless specifically authorized in writing by CARPE.

15. Endorsement

It is expressly agreed and understood by the Parties hereto that this fellowship Agreement shall not constitute an endorsement by CARPE or any of the fellowship funders of any entity, organization, company, or individual, nor the products, actions, behaviour, or conduct of any entity, organization, company, or individual, and any negligent or intentional misrepresentation by Fellow to the contrary, in any context and in any forum, shall constitute a material breach of this fellowship Agreement, and the same shall be grounds for immediate termination of this fellowship Agreement by CARPE.

16. Disputes

The Parties shall attempt to resolve any disputes arising out of or related to this fellowship Agreement by mutual agreement. The Parties agree that in any disputes that are not resolved CARPE's decision will be final. In case of non-resolution, the parties may go in for arbitration or approach the courts in Aurangabad under whose jurisdiction this agreement shall lie.

17. Entire agreement

This fellowship Agreement supersedes any prior oral or written understanding or communications between the Parties and constitutes the only agreement between CARPE and Fellow relating to the subject matter hereof, and no representations, promises, understandings, or agreements, oral or otherwise, not herein will be of any force or effect. The nature of this fellowship Agreement is a funding agreement, and no employment, partnership, joint venture, or agency relationship is created herewith.

Samr.

Please sign below to indicate that you intend to comply with this MoU and accept this fellowship p.

I ACKNOWLEDGE THAT I HAVE READ AND UNDERSTOOD THE CONTENTS OF THIS DOCUMENT, ACCEPT THE PRAKRITI RESEARCH FELLOWSHIP MoU, AND AGREE TO BE FULLY COMPLIANT TO THE SAME.

Name:

Sannu.

Signature

Date:

08/02

MEDIA POLICY

Photo/Video Release

I hereby consent and agree that CARPE, its employees, or its agents have the right to use the photographs, videotape, or digital recordings of my project I further consent that my name and identity may be revealed therein or by descriptive text or commentary. I do hereby release to CARPE, its employees, and agents all rights to exhibit this work in print and electronic form publicly or privately. I waive any rights, claims, or interest I may have to control the use of my identity or likeness in whatever media used. I understand that there will be no financial or other remuneration for the photographs/videos/digital recordings/any other media files I will submit. I represent that I am at least 18 years of age, have read and understand the foregoing statement, and am competent to execute this agreement.

Media Interaction

In addition, I acknowledge that during my participation in and association with the Prakriti Research Fellowship, my activities – whether intentionally or unintentionally – may reflect upon CARPE and its funders. While myself and my project may receive exposure through this Fellowship, I understand that I am also expected to provide adequate mention to the fellowship and funders. I am also expected to participate in media interviews related to the Prakriti Research Fellowship. Whether via exposure through this Fellowship, or otherwise by virtue of my personal or professional activities. I resolve to act respectfully and with integrity, and when in situations where audacity is desired, I will understand the difference between provocation, disrespect and illegality, and will thus act appropriately.

I ACKNOWLEDGE THAT I HAVE READ AND UNDERSTOOD THE CONTENTS OF THIS DOCUMENT, ACCEPT THE PRAKRITI RESEARCH FELLOWSHIP MEDIA POLICY, AND AGREE TO BE FULLY BOUND BY THE SAME.

Name: *Devika M Anilkumar*

Date: *11 - 02 - 2023*

Signature



Saur.

Annexure 1

The following list of documents are to be submitted with one soft copy of the signed MoU:

Applications from Individuals:

1. Copy of PAN Card
2. Copy of Aadhar card or Passport
3. 2 Passport Size Photographs
4. Cancelled Cheque / Bank details

Applications from organisations:

1. Copy of Registration Certificate
2. Cancelled Cheque / Bank details
3. Copy of PAN Card
4. Passport Photo
5. Logos of the organisation
6. No Objection Certificate from the organisation stating that the applicant can participate as a fellow in an individual capacity
7. GST Number (if applicable)

Other documents:

Permit letters from the forest department/ other government authorities for conducting the project (if applicable)

Sauri



**MES ASMABI COLLEGE,
P. VEMBALLUR**



with

**UNIVERSITY OF TECHNOLOGY &
SCIENCES, OMAN**

MOU REPORT

Stemming from the distinguished relations between Muslim Education Society (MES) in India and the University of Technology and Applied Sciences in the Sultanate of Oman (UTAS), and the desire of both parties to promote and develop cooperation between them in the field of higher education, research and innovation in the disciplines of engineering, technology, economics, business administration, design, creative industries, applied sciences, and pharmacy based on reciprocal benefit.

DELEGATION MEMBERS

The delegation Dr. Said Hameed Said Al-Rabai, Chancellor Oman University, Dr. Muhammed Mubarak Muhammed Al-Araimi, Director. They invited MES General Secretary K.K. Kunju Moithen. MES Asmabi College team present visit College Chairman Aspin Ashraf, Secretary Correspondent Adv Navas Kattakath, Treasurer K.M. Mushtaq, College Principal Dr. A. Biju, Vice-Principal Dr. Reena Muhammad, College Superintendent Sadaruddin A.

DISCUSSION HIGHLIGHTS

The discussions visit focused potential areas collaboration field research. Dr. K. Keshavan, Dr. Amitabachan, Dr. KP Sumedhan, Dr. PT Basheer participated conversation, exploring joint research initiatives knowledge exchange.

EXPRESSIONS AFFINITY

During event, Oman University Vice Chancellor, Dr. Syed Hameed Syed Al-Rabai, conveyed appreciation historical ties Oman Kerala. He emphasized strong affinity existed two regions ancient times.

FUTURE COLLABORATIVE INITIATIVES

The collaboration MES Asmabi College Oman University Science Technology poised focus key Climate Change, Applied Economics, Tourism, Aquaculture, Nanotechnology. Both expressed commitment organizing collaborative activities fields.

CONCLUSION

The high-level Oman University Technology Applied Sciences MES Asmabi College marked significant towards research collaboration knowledge transfer institutions. The memorandum understanding expected pave fruitful initiatives identified focus. This visit strengthens ties signifies commitment addressing challenges collaborative research academic endeavors.

NEWS PAPER REPORTS



PHOTOS OF THE EVENT

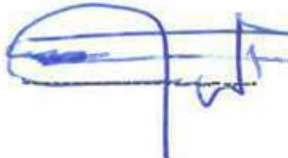


FIRST PARTY

SECOND PARTY


Dr. A. BIJU
PRINCIPAL
M.E.S. ASMABI COLLEGE
P. VEMBALLUR P.O.,
KODUNGALLUR- 680 671





Vice Chancellor
University of Technology and Applied Sciences,
Sultanate of Oman

