

1.3.2 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year)

Programme Name : B.Sc. BOTANY

Sl.No.	Programme Code	Name of students undertaking field projects /internships/student projects	Project title page & Report /photograph of Field work	Completion Certificate
1	PWBSBO	AKHILA M	CLICK HERE	CLICK HERE
2	PWBSBO	AKSHAYA E P	CLICK HERE	
3	PWBSBO	AKSHAYA N	CLICK HERE	
4	PWBSBO	AKSHYA M P	CLICK HERE	
5	PWBSBO	ALEENA ELIZABATH	CLICK HERE	
6	PWBSBO	ALEESHA V P	CLICK HERE	
7	PWBSBO	AMRUTHA C K	CLICK HERE	
8	PWBSBO	ANAGHA BIJU B N	CLICK HERE	
9	PWBSBO	ANJALI JAYARAJ	CLICK HERE	
10	PWBSBO	ANJANA JAMES	CLICK HERE	
11	PWBSBO	ANN ELIZABETH JOSEPH	CLICK HERE	
12	PWBSBO	ARDRA C	CLICK HERE	
13	PWBSBO	ARSHA K ANEESH	CLICK HERE	
14	PWBSBO	ASHRAYA A	CLICK HERE	
15	PWBSBO	ASLY K S	CLICK HERE	
16	PWBSBO	ATHULYA MATHEW V	CLICK HERE	
17	PWBSBO	AYANA M P	CLICK HERE	
18	PWBSBO	BEEGUM BASMALA T T	CLICK HERE	
19	PWBSBO	DHANYA M	CLICK HERE	
20	PWBSBO	FATHIMA LUTHFA N K	CLICK HERE	
21	PWBSBO	FATHIMA SAFA K M	CLICK HERE	
22	PWBSBO	GAYATHRI S	CLICK HERE	

23	PWBSBO	GOPIKA SURESH P M	CLICK HERE	
24	PWBSBO	HREDIA P	CLICK HERE	
25	PWBSBO	KAVYACHANDRAN V M	CLICK HERE	
26	PWBSBO	KRISHNAPRIYA M N	CLICK HERE	
27	PWBSBO	MALAVIKA S ADARSH	CLICK HERE	
28	PWBSBO	MANJIMA M M	CLICK HERE	
29	PWBSBO	NEHA K	CLICK HERE	
30	PWBSBO	NIDHA FATHIMA V	CLICK HERE	
31	PWBSBO	NITHYA P P	CLICK HERE	
32	PWBSBO	PRIYA MARIA	CLICK HERE	
33	PWBSBO	RAFEEDA O M	CLICK HERE	
34	PWBSBO	RASHA K P	CLICK HERE	
35	PWBSBO	SOUPARNIKA N M	CLICK HERE	
36	PWBSBO	SREELAKSHMI P	CLICK HERE	
37	PWBSBO	VEENA VIJAYAN	CLICK HERE	
38	PWBSBO	ADHEENA RAJ		
39	PWBSBO	ADITHYA G		
40	PWBSBO	ALEENA M T		
41	PWBSBO	AMAL MARIYA JOY		
42	PWBSBO	AMINA FIDA		
43	PWBSBO	AMRUTHA PRASAD T		
44	PWBSBO	ANAMIKA P BABU		
45	PWBSBO	ANASWARA V S		
46	PWBSBO	ANJALIKRISHNA U	CLICK HERE	CLICK HERE
47	PWBSBO	ANJANA P		
48	PWBSBO	ANJU JOHNY		
49	PWBSBO	ANN MARIYA VINCENT		
50	PWBSBO	ANUKRISHNA K		
51	PWBSBO	ARATHI C M		
52	PWBSBO	ARCHANA BABURAJ		
53	PWBSBO	ARYADINESH R		
54	PWBSBO	ATHMANA B		

55	PWBSBO	AYANA LIJEESH		
56	PWBSBO	BALKEES G K		
57	PWBSBO	DEVIKA GIRISH		
58	PWBSBO	DHILNA O M		
59	PWBSBO	FATHIMA RUBA K P		
60	PWBSBO	FIDA SHERIN N P		
61	PWBSBO	HAFEEFA SHERIN C P		
62	PWBSBO	HEERA E B		
63	PWBSBO	JENYA P		
64	PWBSBO	JOVITA MARIA LIBERA		
65	PWBSBO	KRISHNAJA K		
66	PWBSBO	KRISHNENDU B M		
67	PWBSBO	MANJIMA M S		
68	PWBSBO	NAHLA K P		
69	PWBSBO	NIVYA RAVI O		
70	PWBSBO	RIFA P P		
71	PWBSBO	RINSHA P K		
72	PWBSBO	RUBIYA ABDULLA K K		
73	PWBSBO	SHADA FATHIMA V P		
74	PWBSBO	SHWETHA S		
75	PWBSBO	SNEHA K M		
76	PWBSBO	SURURA SHIRIN P T		
77	PWBSBO	THEJA MANJUSH		
78	PWBSBO	ADITHYA A K		
79	PWBSBO	AIFA P		
80	PWBSBO	AISWARYA C		
81	PWBSBO	AISWARYA HARIKUMAR		
82	PWBSBO	AISWARYA LAKSHMI K		
83	PWBSBO	AKSHAYA A K		
84	PWBSBO	ALBY ALEX		
85	PWBSBO	ALFIDA K P		
86	PWBSBO	AMIRSHA M P		
87	PWBSBO	AMITHA K A		

88	PWBSBO	AMRUTHA A J		
89	PWBSBO	ANANYA MOHAN A K		
90	PWBSBO	ANJALI P		
91	PWBSBO	ANJANA M GIGI		
92	PWBSBO	ANJU THOMAS		
93	PWBSBO	ANU MARIA JOSEPH		
94	PWBSBO	ARDRA T S		
95	PWBSBO	ATHIRA O		
96	PWBSBO	AYISHA		
97	PWBSBO	BHAVANA BHASKARAN		
98	PWBSBO	BHAVANA T		
99	PWBSBO	BHAVYA K		
100	PWBSBO	FATHIMA SANA P P		
101	PWBSBO	FATHIMA THANHA K		
102	PWBSBO	FAYISA T		
103	PWBSBO	HENNA M		
104	PWBSBO	HIBA SATHAR P P		
105	PWBSBO	LADEEDA NUZRIN N R		
106	PWBSBO	MARIYA JISNA T J		
107	PWBSBO	NANDANA N K		
108	PWBSBO	NAZNEEN		
109	PWBSBO	NIMISHA ROY		
110	PWBSBO	RABEEBA BACKER		
111	PWBSBO	RAHEEFA E K		
112	PWBSBO	RAMISHA M P		
113	PWBSBO	RESHMA R RAJ		
114	PWBSBO	REVATHI		
115	PWBSBO	SANA M		
116	PWBSBO	SHADA C		
117	PWBSBO	SHANIYA P SHAJU		
118	PWBSBO	SHINCY M DAS		
119	PWBSBO	SNEHA K K		

INTERNSHIPS/FIELD
WORK/PROJECT

Department of Botany 2021-22

Providence Women's College

Re-Accredited with A+ Grade by NAAC

Principal : 0495-2371697
Office : 0495-2371696, 2372487
Resi : 0495-2371059
E-mail : providencecollegcalicut@gmail.com
Website : www.providencecollegcalicut.ac.in



CARMEL HILL
MALAPARAMBA (P.O.)
CALICUT - 673 009

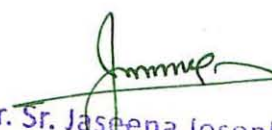
CERTIFICATE

This is to certify that the following students of III year Botany UG completed their project/ fieldwork as a part of their curriculum during the academic year 2021-22

AKHILA M
AKSHAYA E P
AKSHAYA N
AKSHYA M P
ALEENA ELIZABATH
ALEESHA V P
AMRUTHA C K
ANAGHA BIJU B N
ANJALI JAYARAJ
ANJANA JAMES
ANN ELIZABETH JOSEPH
ARDRA C
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KAVYACHANDRAN V M
KRISHNAPRIYA M N
MALAVIKA S ADARSH
MANJIMA M M
NEHA K
NIDHA FATHIMA V
NITHYA P P
PRIYA MARIA
RAFEEDA O M
RASHA K P
SOUPARNIKA N M
SREELAKSHMI P
VEENA VIJAYAN




Dr. Sr. Jaseena Joseph
Principal (PEN 470173)
Providence Women's College
Kozhikode - 673 009



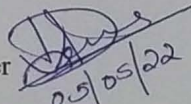
DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

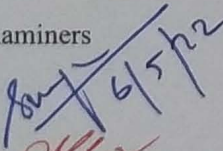
Certified that this project entitled '**Morphological and anatomical characterisation along with the application of Quick Response (QR) code for digitization of selected campus trees**' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **ARSHA - K - ANEESH** Reg. no. **PWATSBO001** during the period 2019-22 in the Department of Botany.

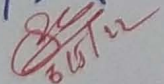
Supervising teacher

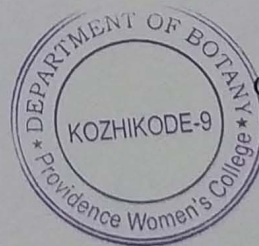

02/05/22

Examiners


- 1.
- 2.


6/5/22


6/5/22



Certified by


Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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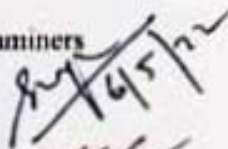
Supervising teacher



02/05/22

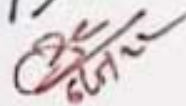
Examiners

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6/5/22

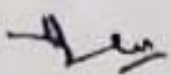
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6/5/22



Certified by



Head
Department of Botany
Providence Women's College
Kozhikode-673009, K



DEPARTMENT OF BOTANY

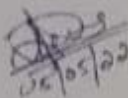
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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Supervising teacher


02/05/22

Examiners

1.

2.



Certified by



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

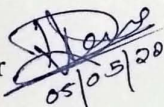


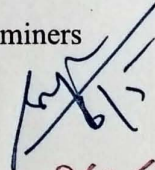
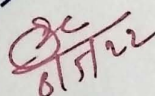
DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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Supervising teacher 
05/05/20

Examiners
1. 
2. 
01/05/22



Certified by Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

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Supervising teacher

Examiners

- 1.
- 2.



Certified by

Head
Department
Providence Women's College
Kozhikode-673009




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

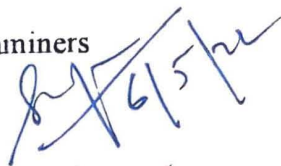
CERTIFICATE

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Supervising Teacher **Dr. Archana ER**

Examiners

1.


6/5/22

2.


6/5/22



Certified by,


Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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Dr. Archana E R

Supervising Teacher

Examiners

1.

[Signature]
6/5/22

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6/5/22



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Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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Dr. Archana ER

Supervising Teacher

Examiners

1. 
6/5/22
2. 
6/5/22




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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Archana ER
D. Archana ER

Supervising Teacher

Examiners

1.

[Signature]

2.

[Signature]



[Signature]

Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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D. Archana ER

Supervising Teacher

Examiners

1.

2.








Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled '**UTILIZATION OF QUICK RESPONSE (QR) CODE FOR FASTER DATA RETRIEVAL OF SELECTED CAMPUS TREES**' submitted to the University of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by... **AKHILA M** Reg. no. **PWATSB0012** during the period 2019-22 in the Department of Botany.

P.A.
P. A. Peter A
Asst. Professor
Dept. of Botany
Supervising teacher PWC, Calicut.

Examiners

1. *[Signature]*
6/5/22

2. *[Signature]*
6/5/22



[Signature]
Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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D. J.
Tilly Peter A
Asst. Prof (CB03)
Dept. of Botany
PWC, Calicut

Supervising teacher

Examiners

[Handwritten signature]
6/5/22



Certified by,

Asst.
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

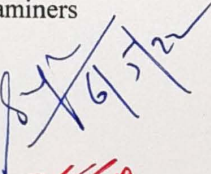

Date: 02/05/2022

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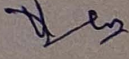

Pilly Petros A
Asst Professor
Dept of Botany
P.W.C, Calicut
Supervising teacher

Examiners

- 
6/5/22
- 
6/5/22

Certified by,




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kera



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

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B.M

Billy Peter A
Asst. Professor
Dept. of Botany
PWCC, Calicut
Supervising teacher

Examiners

1. [Signature]
6/5/22
2. [Signature]
6/5/22



[Signature]

Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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[Signature]

Pilly Peter A
Asst-Professor
Dept- of Botany
Pwcc, Calicut

Supervising teacher

Examiners

1. *[Signature]*
6/5/22
2. *[Signature]*
6/5/22



Certified by,

[Signature]

Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled 'INTEGRATION OF DIGITAL TECHNOLOGY TO AUGMENT DATA RETRIEVAL IN A FEW ANGIOSPERM SPECIES OF THE CAMPUS' submitted to the University of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **ANURUTHA CK** Reg. no. **PWATSBO017** during the period 2019-22 in the Department of Botany.

Supervising teacher

Dr. Deena Meria Jose
Associate Professor & Head
Department of Botany
Providence Women's College
Kozhikode- 673009, Kerala



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1.

2.



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

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Supervising teacher

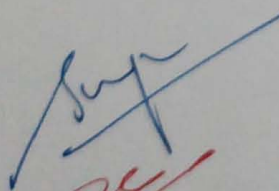
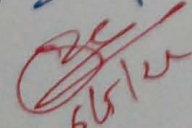

Dr. Deena Maria Jose
Associate Professor & Head
Department of Botany
Providence Women's College
Kozhikode- 673009, Kerala





Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1. 
2. 
65/24



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled 'INTEGRATION OF DIGITAL TECHNOLOGY TO AUGUMENT DATA RETRIEVAL IN A FEW ANGIOSPERM SPECIES OF THE CAMPUS' submitted to the University of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **ANJALI JAYARAJ** Reg. no. **P.WATS.0009** during the period 2019-22 in the Department of Botany.

Supervising teacher


Dr. Deena Meria Jose
Associate Professor & Head
Department of Botany
Providence Women's College
Kozhikode- 673009, Kerala




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1.



2.





DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022


CERTIFICATE

Certified that this project entitled 'INTEGRATION OF DIGITAL TECHNOLOGY TO AUGMENT DATA RETRIEVAL IN A FEW ANGIOSPERM SPECIES OF THE CAMPUS' submitted to the University of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **Ann. Elizabeth..Joseph.....** Reg. no. **P.W.A.T.S.B0020.....** during the period 2019-22 in the Department of Botany.

Supervising teacher

Dr. Deena Meria Jose
Associate Professor & Head
Department of Botany
Providence Women's College
Kozhikode- 673009, Kerala




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

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DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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Supervising teacher

Dr. Deena Meria Jose
Associate Professor & Head
Department of Botany
Providence Women's College
Kozhikode- 673009, Kerala



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1.

2.



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled '**Digitalization of Morphological and Anatomical Features of a Few Campus Trees**' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by ... **ASHLY K. S.** during the period 2019-22 in the Department of Botany.

REGISTER NUMBER: PWATSBO022

Supervising Teacher
Examiners
Dr. Peter A
Asst. Professor
Dept. of Botany
PWC, Calicut



Certified By
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

1. 6/5/22
2. 6/5/22



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled '**Digitalization of Morphological and Anatomical Features of a Few Campus Trees**' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by ... **ASHRAYA...A**during the period 2019-22 in the Department of Botany.

Register Number : PWATS0023

PA
Supervising Teacher
Examiners

Pilly Pateen A
Asst-Professor
Dept. of Botany
PWCC, Calicut



Certified By

Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

1.

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6/5/22

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[Signature]
6/5/22




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

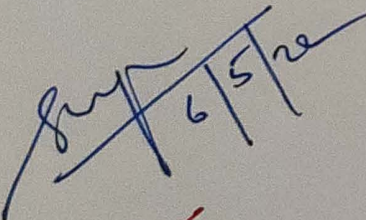
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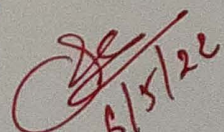
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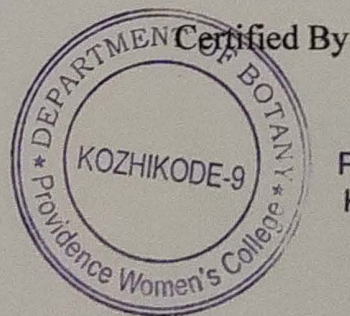
Certified that this project entitled '**Digitalization of Morphological and Anatomical Features of a Few Campus Trees**' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **Agana M.P.** during the period 2019-22 in the Department of Botany.

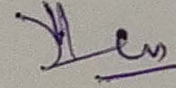
REGISTER NO : PWATSBO024


Examiners **D. Lily Peter A**
Asst - Professor
Dept - of Botany
PWC, Calicut.

1. 
6/5/22

2. 
6/5/22




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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REGISTER NUMBER : PWATSBO025

PD
Supervizing teacher

Examiners

1. [Signature] / 6/5/22

2. [Signature] / 6/5/22

Pilly Peter A
Asst. Professor
Dept. Botany
PwC, Calicut



Certified By

[Signature]

Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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REGISTER NUMBER : PWATSBO026

P.A.
Supervising Teacher
Examiners
1. Pilly Peter A
Asst-Professor
Dept. of Botany
PWCC, Calicut

1. [Signature]
6/5/22

2. [Signature]
6/5/22



[Signature]
Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

CERTIFICATE

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NAME : FATHIMA LUTHFA N K

Supervising 
Teacher

Dr. Minoo Diva
Associate Professor
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1. 
6/5/22

2. 
6/5/22



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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NAME : FATHIMA SAFA K M

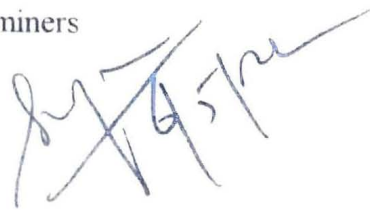
^{MBK}
Supervising Teacher
(Dr Minoo Divakaran)




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1.



2.






DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

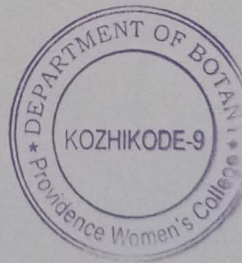
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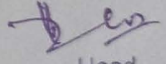
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NAME : GAYATHRI S

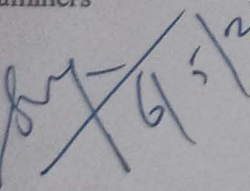

Supervising Teacher
(Dr Minoo Divakaran)





Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1.


6/5/22

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DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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NAME : GOPIKA SURESH P M

MDK
Supervising teacher
(Dr Minoo Divakaran)



[Signature]
Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1. *[Signature]*
6/5/22
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6/5/22



DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

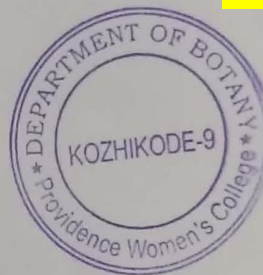
Date: 02/05/2022

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NAME : HREDIA P

M.D.K.
Supervising Teacher
(Dr Minoo Divakaran)



H.P.
Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1. *[Signature]*
6/5/22

2. *[Signature]*
6/5/22




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Date: 02/05/2022

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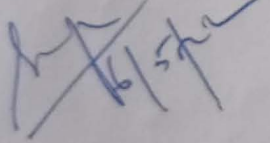
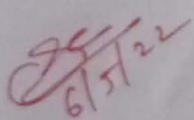
NAME : KAVYA CHANDRAN V M


Supervising Teacher
(Dr Minoo Diakaran)




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Examiners

1. 
2. 

Date: 02/05/2022

CERTIFICATE

Certified that this project entitled 'USING QR CODES ON PLANT COLLECTIONS TO FACILITATE LINKING INFORMATION WITH THEIR ASSOCIATED COLLECTIONS' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by MANJIMA M.M.PWATSBOO33 during the period 2019-22 in the Department of Botany.

P.A.
P.Hy Peter A.

Examiners

1. [Signature]
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Certified By

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
Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Date: 02/05/2022

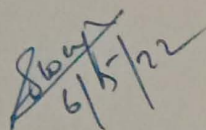
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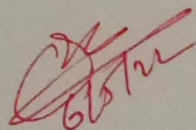
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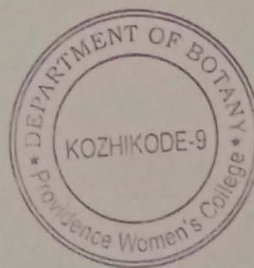
Reg no: PWATSB0034

 P. H. Peter A.

Examiners

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6/5/22

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6/5/22



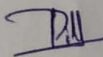
Certified By



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

CERTIFICATE

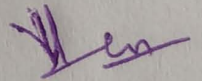
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D. Hy Peter A.

Examiners

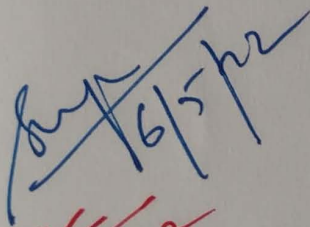


Certified By

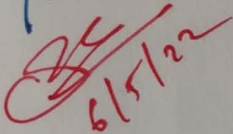


Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

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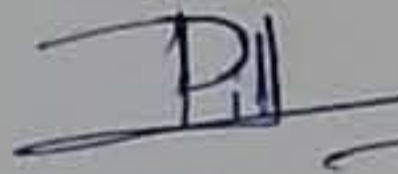
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6/5/22

Date: 02/05/2022

CERTIFICATE

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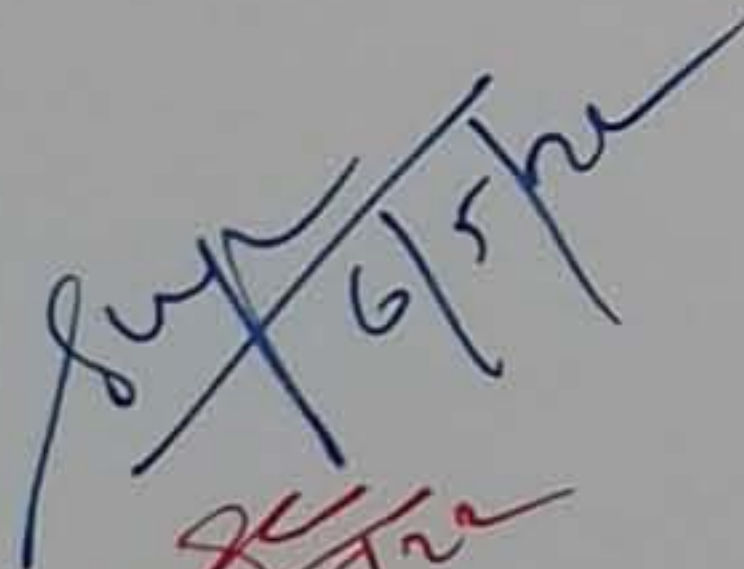
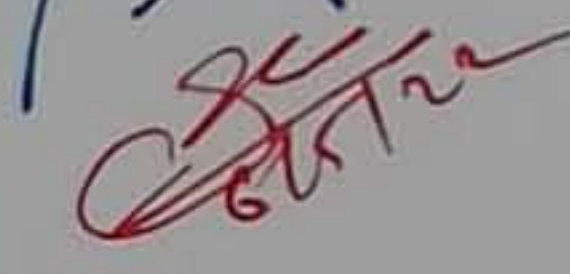

Pilly Peter A.

Examiners

PWATS B0036

Certified By



1. 
2. 



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Date: 02/05/2022



CERTIFICATE

Certified that this project entitled '**USING QR CODES ON PLANT COLLECTIONS TO FACILITATE LINKING INFORMATION WITH THEIR ASSOCIATED COLLECTIONS**' submitted to the university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Botany, is an authentic record of work done by **RASHA.K.P.** during the period 2019-22 in the Department of Botany.

PWATSBO037


P. Peter A

Examiners

1. 
6/5/22
2. 
6/5/22

Certified By




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Date: 02/05/2022

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Reg no :- PWATSBO038

Pill

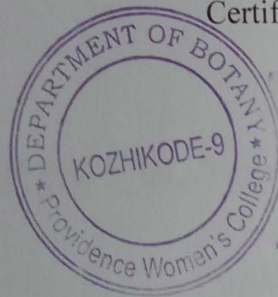
Pilly Pellen A

Examiners

1. *[Signature]* 6/5/22 -
2. *[Signature]* 6/5/22

Certified By

[Signature]



Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

Providence Women's College

Re-Accredited with A+ Grade by NAAC

Principal : 0495-2371697
Office : 0495-2371696, 2372487
Resi : 0495-2371059
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Website : www.providencecollegcalicut.ac.in



CARMEL HILL
MALAPARAMBA (P.O.)
CALICUT - 673 009

CERTIFICATE


This is to certify that the following students of I & II year Botany UG completed their project/ fieldwork as a part of their curriculum during the academic year 2021-22

ADHEENA RAJ
ADITHYA G
ALEENA M T
AMAL MARIYA JOY
AMINA FIDA
AMRUTHA PRASAD T
ANAMIKA P BABU
ANASWARA V S
ANJALIKRISHNA U
ANJANA P
ANJU JOHNY
ANN MARIYA VINCENT
ANUKRISHNA K
ARATHI C M
ARCHANA BABURAJ
ARYADINESH R
ATHMANA B
AYANA LIJEESH
BALKEES G K
DEVIKA GIRISH
DHILNA O M
FATHIMA RUBA K P
FIDA SHERIN N P
HAFEEFA SHERIN C P
HEERA E B
JENYA P
JOVITA MARIA LIBERA
KRISHNAJA K

KRISHNENDU B M
MANJIMA M S
NAHLA K P
NIVYA RAVI O
RIFA P P
RINSHA P K
RUBIYA ABDULLA K K
SHADA FATHIMA V P
SHWETHA S
SNEHA K M
SURURA SHIRIN P T
THEJA MANJUSH
ADITHYA A K
AIFA P
AISWARYA C
AISWARYA
HARIKUMAR
AISWARYA LAKSHMI K
AKSHAYA A K
ALBY ALEX
ALFIDA K P
AMIRSHA M P
AMITHA K A
AMRUTHA A J
ANANYA MOHAN A K
ANJALI P
ANJANA M GIGI
ANJU THOMAS

ANU MARIA JOSEPH
ARDRA T S
ATHIRA O
AYISHA
BHAVANA BHASKARAN
BHAVANA T
BHAVYA K
FATHIMA SANA P P
FATHIMA THANHA K
FAYISA T
HENNA M
HIBA SATHAR P P
LADEEDA NUZRIN N R
MARIYA JISNA T J
NANDANA N K
NAZNEEN
NIMISHA ROY
RABEEBA BACKER
RAHEEFA E K
RAMISHA M P
RESHMA R RAJ
REVATHI
SANA M
SHADA C
SHANIYA P SHAJU
SHINCY M DAS
SNEHA K K




Dr. Sr. Jaseena Jose
Principal (PEN 470173)
Providence Women's College
Kozhikode - 673 009

STUDY TOUR REPORT

I, III & V semester BSc Botany
I & III Semester MSc Botany
2021-22



PROVIDENCE WOMEN'S COLLEGE

UGC-College with Potential for Excellence; Reaccredited by NAAC with A+ grade (GP 3.52)

Affiliated to the University of Calicut

KOZHIKODE, KERALA 673 009, INDIA

www.providencecollegecalicut.ac.in


DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE-9,
KOZHIKODE



CERTIFICATE

Certified that this is an authentic report of the field trips / study tours conducted by students of I & III Semester M.Sc. Botany and I, III & V Semester B.Sc. Botany, Providence Women's College, during the academic year 2021-22, as part of the curriculum of BSc and M.Sc. Botany Programmes of the University of Calicut.




Head
Department of Botany
Providence Women's College
Kozhikode-673009, Kerala

REPORT OF FIELD VISITS TO STUDY THE ANGIOSPERM FLORA OF ECOLOGICALLY DIFFERENT LOCALITIES

INTRODUCTION

Study tour aims at providing travel experience with specific learning goals. The learning goals of each study tour varies, but are always spelled out in the course syllabus that is distributed to each learner. Study tour emphasizes experimental learning and offers both groups and self-directed activities, that enable learners to explore new territories, cultures, people while providing opportunities that lead to the development of a different and deeper level of understanding. Field study is a necessity as it gives us a firsthand knowledge of the highly variant vegetation as well as their natural habit and habitats. The distribution of diverse varieties of plants in different regions and a study based on their distribution is always quite interesting.

OBJECTIVES OF THE FIELD TRIP

1. To broaden student's horizons and knowledge through field observations
2. To impart training for direct observation of specimens in their habitat
3. To study different ecological habitats and the associated flora.
5. To explore the possibility of getting motivated to pursue research
6. To strengthen the healthy relationship among students, and between students and teachers.

Plant communities in different geographical areas of the world differ widely from each other. On the basis of climatic and geographical conditions the earth is generally divided in to four vegetation belts, as the climate and vegetation are inseparably interrelated. Due to temperature extremes and marked seasonal fluctuations throughout the year, climatic conditions of India become of much ecological interest. These make the vegetation of the country worthy of investigations and explorative studies.

VISITS TO ECOLOGICALLY DIFFERENT LOCALITIES

West coast tropical evergreen forests

- Wayanad
- Kakkayam

Wayanad

We were a group of 15 students guided by our teachers, Dr Archana ER, Dr veena and Sr Pilty Peter. Tour started on morning 7 am February 15th, 2022 from providence college campus. Wayanad stands

on the southern top part of the Deccan Plateau and its major attraction is the grand Western Ghats with the lofty ridges interspersed with dense forests and green valleys. The evergreen forests in Wayanad mark the transition zone between the northern and southern ecologic regions of the Western Ghats. The moist forests transition to the drier South Deccan Plateau dry deciduous forests, which lie in its rain shadow to the east. The Western Ghats being the separating barrier of the two geographical regions of Peninsular India namely, the Malabar Coast and the Deccan, has both the Deccan flora along the leeward side and Malabar Coast flora along the windward side. The most outstanding feature of the Western Ghats is the formation of tropical rainforests along the windward sides. Wayanad district is with a hilly terrain on the southern Western Ghats and located in the northeast part of Kerala.

We visited the border regions forest areas associated with Meppady, Kalpetta Periya and Manathavady forest ranges of Wayanad district on 15th February 2022. West-coast tropical evergreen forest type was the major vegetation in the Meppady, Kalpetta, Periya and Manathavady forest ranges at an altitude ranging from 600m to 1300m. These forests exhibit luxuriant growth, particularly of trees and woody climbers, and the canopy is closed. High humidity, shade and sheltered condition provide ideal habitat for epiphytic as well as terrestrial orchids, ferns, mosses and herbaceous flowering plants. Epiphytes and mosses tend to increase with altitude while woody climbers decrease. It has been observed that there is difference in the composition of species with altitude and latitude. The 'evergreen families' of Western Ghats namely, Clusiaceae, Dipterocarpaceae and Myristicaceae are well represented in this forest.

The major associations of trees in these areas are *Mesua-Palaquium-Cullenia*, *Hopea-Dipterocarpus-Vateria* and *Polyalthia-Myristica-Calophyllum* associations. The top canopy species are *Hopea parviflora*, *Dipterocarpus indicus*, *Polyalthia coffeoides*, *Palaquium ellipticum*, *Pterygota alata*, *Vateria indica*, *Calophyllum astroindicum*, *Antiaris toxicaria*, *Artocarpus hirsutus*, *Mesua thwaitesii*, *Holigarna grahamii*, *Lophopetalum wightianum*, *Mangifera indica*, *Myristica beddomei*, *Cynometra travancorica*, *Canarium strictum*, *Terminalia travancorensis*, *Kingiodendron pinnatum*, *Knema attenuata*, *Dysoxylum malabaricum*, *Elaeocarpus tuberculatus*, *Bischofia javanica*, *Cullenia exarillata*, etc. *Poeciloneuron indicum*, *Prunus zeylanica*, *Toona ciliata* and *Mesua ferrea* are also were seen in the upper stratum at an altitude above 800 m.

The trees of the middle canopy comprises medium sized trees which are adapted themselves to the more shady conditions and are dominated by *Aglaia malabarica*, *Cinnamomum malabratrum*, *Dimocarpus longan*, *Drypetes oblongifolia*, *Diospyros paniculata*, *Epiprunus mallotiformis*, *Garcinia morella*, *Gordonia obtusa*, *Syzygium laetum*, *Hydnocarpus pentandra*, *Baccaurea courtallensis*, *Otonephalium stipulaceum*, *Meliosma simplicifolia*, *Humboldtia brunonis*,

Syzygium cumini, *Vepris bilocularis*, *Syzygium munronii*, *Symplocos macrophylla* ssp. *rosea*, *Turpinia malabarica* etc.

The lower story trees are *Antidesma montanum*, *Antidesma menasu*, *Olea dioica*, *Memyecylon heyneanum*, *Casearia ovata*, *Meiogyne ramarowii*, *Turraea villosa*, *Ixora elongata*, *Orophea erythrocarpa*, *Phaeanthus malabarica*, etc. The shrubby plants are mainly *Psychotria* spp., *Aporusa acuminata*, *Gomphandra coriacea*, *Ligustrum robustum*, *Glycosmis macrocarpa*, *Strobilanthes* spp., etc. and the important herbs are *Begonia malabarica*, *Elatostema lineolatum*, *Girardinia diversifolia*, *Ophiorrhiza* spp., etc. Of the rhizomatous monocotyledons *Curcuma* spp., *Costus speciosus*, *Globba ophioglossa*, *Schumannianthus virgatus* and *Zingiber* spp. are important. Some of the lianas intertwining the trees are *Carissa inermis*, *Adenia hondala*, *Artabotrys zeylanica*, *Cissus* spp., *Derris brevipes*, *Entada rheedeii*, *Erythralum populifolium*, *Caesalpinia spicata*, *Desmos lawii*, *Bauhinia phoenicea*, *Spatholobus purpureus*, *Ventilago bombaiensis*, *Salacia beddomei*, *Sarcostigma kleinii*, *Caesalpinia cucullata*, *Toddalia asiatica* and *Thunbergia mysorensis*. We collected many flowering plants such as *Melastoma malabathricum* (Menispermaceae), *Chasalia curviflora* (Rubiaceae), *Clerodendrum infortunatum* (Verbanaceae), *Pilea melastomoides* (Urticaceae) etc. Our teachers described detailed information of plant species like their taxonomic relevance, ecological significance, economic importance etc. There has an abundance of *Canscora diffusa* belongs to the family Gentianaceae is a much-branched annual herb erect to about 60cm height. We collected it in wet papers and plastic covers in order to avoid drying. We took photographs of each plant specimens.

We collected many flowering plants such as *Melastoma malabathricum* (Menispermaceae), *Chasalia curviflora* (Rubiaceae), *Clerodendrum infortunatum* (Verbanaceae), *Pilea melastomoides* (Urticaceae) etc. on the way rto the Botanical sanctuary. We could see an abundance of *Canscora diffusa* belonging to the family Gentianaceae. We packed the collected specimens in wet papers and plastic covers in order to avoid drying. Photographs of each plant specimens were taken. While returning back we could collect a few more specimens like *Cyclea peltate*. We got back to college at 8:00 pm. It was a great experience for all of us and it gave us a lot of knowledge and memories. This tour was really helpful to study more about the habitat ecology of different angiosperm species. It helped us improve plant identification skills and taxonomical knowledge.



Peruvannamuzhi - Janakikad, Kuttyady, Kozhikode

Janakikadu is an ecologically diverse and rich landscape located in the Maruthongara Panchayat of Kozhikode. It comes under the Kuttiyadi range of Kozhikode Forest division. It contains a strikingly diverse range of flora and fauna. It is an ecological hotspot in the Western Ghats, the eco-tourism destination of Peruvannamoozhy is home to over 680 species of rare plants.

We were a group of 15 students guided by our teachers, Dr Archana ER, Dr Veena and Sr. Pilty Peter. We started at 7 am February 12th, 2022 from Providence College campus. We reached by 10 am and obtained permission from the forest guards. We were guided by Mr Rajan (Guide) and Mr. T. Suresh (Section Forest officer). They gave us short description of the main characteristics and the medicinal or economical value of each plant. We could closely observe the different medicinal plants of Janakikadu like *Xylia xylocarpa* (Irool), *Holigarnaarnottiana* (Cheru), *Gmelina arborea* (Kumbil), *Strobilanthus pazhaniensis* (Kurinji) etc. Our guides helped us to identify many species and gave us valuable information about different aspects of them.

The flora of Janakikadu was predominated by many Angiosperms as well as a lot of Medicinal plants which are both economically and medicinally important. We collected many flowering plants such as *Bridella retusa* (Euphorbiaceae), *Cipadessa baccifera* (Meliaceae) as well as *Cardiospermum helicacabum* (Sapindaceae), *Melastoma malabathricum* (Menispermaceae), *Chasalia curviflora* (Rubiaceae), *Clerodendrum infortunatum* (Verbanaceae), *Premna glaberrima* (Rhizophoraceae), *Pilea melastomoides* (Urticaceae) etc. Our teachers described detailed information of plant species like their taxonomic relevance, ecological significance, economic importance etc. The twining herbs of Convolvulaceae members like *Merremia umbellate*, *Ipomoea purpurea*, *Merremia hederacea* were abundant there. Those are the main attraction of this area.

We also visited Kuttyadi forest area. We could see a good diversity of flora over these regions. Some of the plants available in this area were *Garcinia morella*, *Xanthophyllum arnottianum*, *Torenia hirsute*, *Canscora diffusa*, *Sonerila rheedei*, *Naravelia zeylanica*, *Elatostema lineolatum*, *Pouzolzia wightii*, *Murdannia semiteres* etc. We collected *Echinostephia aculeata* belongs to the family Menispermaceae on the way to Janakikkadu. We carried equipment required for taxonomic collections such as knife, preservatives, papers, blades, blotting paper, press etc. along with us. This forest has a huge diversity of flowering species, those bloomed flora gave as a good visual experience, we enjoyed that a lot.

This vegetation is besides the Kuttiady river, so we could see many mangrove habitats. We collected *Kandelia candel* species from Rhizophoracea family. It grows as a shrub having height approximately 11 cm. It has white-coloured flowers and elongated ovoid fruits. That was a new experience to us. That area was very attractive for tourists.


There has an abundance of Poacea species like *Pennisetum polystacyion* and *Poacea barnhart*. That was a beautiful view. Along with it we found a few *Oldenlandia corymbosa* and *Canscora diffusa* species belonging to Rubiaceae and Gentianaceae family respectively.

There was an abundance of *Melastoma malabathricum* and *Chasalia curvifolia* species. We also found *Memicyclon malabaricum* (Kayampoo) of Melastomaceae, which we haven't seen anywhere before. It is large shrub, flowers are in peduncled cyme, bright blue in colour. While returning from Janakikkadu, we collected Verbanaceae member *Stachytarpheta jamaicensis* and Boraginaceae member *Heliotropium indicum* from roadsides. We collected it in wet papers and plastic covers in order to avoid drying. We also took photographs of each plant specimens.



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