

CAMPUS GREEN AUDIT



NEHRU MEMORIAL COLLEGE

(AUTONOMOUS)

Puthanampatti -621007



REPORT

2018 – 2019

PREPARED BY

DEPARTMENT OF ENVIRONMENTAL SCIENCES

Bishop Heber College (Autonomous)

Tiruchirappalli, Tamilnadu – 620 017



CAMPUS GREEN AUDIT



19 DECEMBER 2019

CERTIFICATE

This is to certify that detailed **CAMPUS GREEN AUDIT** has been successfully conducted for **Nehru Memorial College, (Autonomous), Puthanampatti, Tamilnadu for the period 2019 – 2020** based on data and other credentials received from the College and site visit. The activities and measures carried out by the College have been verified and found to be satisfactory. The College has evolved policies on Environment, Water, Waste and Sanitation in line with the Sustainable Development Goals. The efforts taken by the members of the faculty, students, support staff and the Management towards creating a strategic change in attaining holistic environmental sustainability is highly appreciated and commended.

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PREFACE

An Environmental Audit is a tool comprising a systematic, documented, periodic and objective evaluation of how well a project, organization or equipment is performing with the aim of helping to safeguard the environment. The audit should facilitate management control of environmental practices and assess compliance with policy objectives and regulatory requirements.

Green audit is defined as an official examination of the effects a college has on the environment. It helps to improve the existing practices with the aim of reducing the adverse effects of these on the environment concerned.

Higher Educational Institutions are committed to preserve the environment within the campus through promotion of energy savings, recycling of waste, water use reduction, water harvesting etc.

Green audit visualizes the documentation of all such activities taking stock of the infrastructure of the college, their academic and managerial policies and future plans. A green auditor will study an organization's environmental effects in a systematic and documented manner and will produce an environmental audit report.

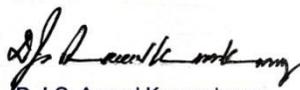
A clean and healthy environment aids effective learning and provides a conducive learning environment. Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of green impact on campus.

Green auditing promotes financial savings through reduction of resource use. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more relevant.

The audit process in Nehru Memorial College, Puthanampatti involved initial interviews with management to clarify policies, activities, records and the co-operation of staff and students in the implementation of mitigation measures. Staff and students were given training how to collect the data for the green audit process. This was followed by staff and student interviews, collection of data through the questionnaire based survey, review of records, observation of practices and observable outcomes. In addition, the approach ensured that the management and staff are active participants in the green auditing process in the college.

The baseline data prepared for the Nehru Memorial College (Autonomous), Puthanampatti will be a useful tool for campus greening, resource management, planning of future projects, and a document for implementation of sustainable development of the college. Existing data will allow the college to compare its programs and operations with those of peer institutions, identify areas in need of improvement, and prioritize the implementation of future projects. The green audit reports assist in the process of attaining an eco-friendly approach to the sustainable development of the college.

The results presented in the green audit report will serve as a guide for educating the college community on the existing environment related practices and resource usage at the college as well as spawn new activities and innovative practices. The Green Audit team expects the management to express their commitment to implement the recommendations.



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GREEN AUDIT REPORT



NEHRU MEMORIAL COLLEGE
(Autonomous)
Puthanampatti -621007

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NEHRU MEMORIAL COLLEGE

(Autonomous)

(ACCREDITED WITH "A" GRADE BY NAAC)

Puthanampatti - 621 007

TRICHIRAPALLI DISTRICT, TAMILNADU

Website: www.nmc.ac.in

Green Audit Assessment Team (Internal)

Sl. No	Campus Green Audit over all Team	Designation
1	Dr.A.R.Ponperiasamy Principal, NMC	Chairman
2	Dr.C.Sasikumar, Dean, Research and Development	MemberSecretary
3	Dr.S.Kumararaman, Vice - Pricnipal	Member
4	Dr.K.T.Tamilmani, Dean, Academic Affairs	Member
5	Dr.VijiSaraI Elizabeth, Dean, Placement and Training.	Member
6	Mr.Rathakrishnanan, Estate Manager, NMC	Member
7	Er.Vijayakumar, Engineer, NMC	Member



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Website: www.nmc.ac.in

CAMPUS GREEN AUDIT TEAM COORDINATORS

SL. No	AUDIT TEAM	COORDINATORS
1	ENVIRONMENTAL MANAGEMENT TEAM	Dr. M.Meenakshisundaram, Co-ordinator, Assistant Professor Department of Botany
2	WATER MANAGEMENT TEAM	Dr.K.Saravanan, Co-ordinator Assistant Professor Department of Zoology
3	WASTE MANAGEMENT TEAM	Dr.N.Ramesh, Co-ordinator , Assistant Professor Department of Zoology
4	SANITATION MANAGEMENT TEAM	Dr.V.Ramesh, Co-ordinator Assistant Professor Department of Zoology
5	AIR , NOISE MANAGEMENT TEAM	Dr.M.Ramesh, Co-ordinator, Assistant Professor Department of Chemistry

INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. If self enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self enquiry is a natural and necessary outgrowth of a quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

OBJECTIVES

The Green Audit of an institution is becoming a paramount important these days for self- assessment of the institution, which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep the environment clean since its inception. But the auditing of this non-scholastic effort of the college has not been documented. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green Audit are:

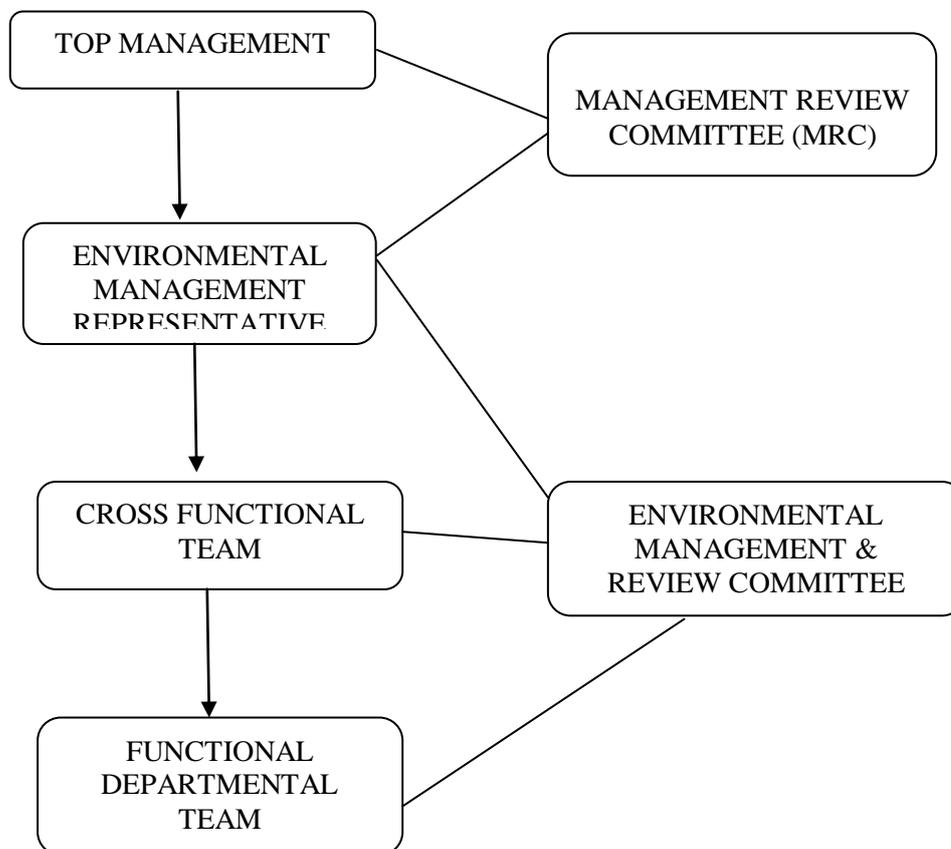
1. To document the status of land environment and land use pattern
2. To document the flora and fauna in the campus

METHODOLOGY:

The purpose of the green audit of NMC is to ensure that the practices followed in the campus are in accordance with the Green Policy adopted at the College. The Methodology include the preparation physical inspection of the campus, observation and review of the documentation green audit parameters at intervals , interviewing key persons and data analysis, measurements and recommendations. Key components of Green audit conducted at Nehru Memorial College, Puthanampatti included:

I. Pre-auditplanning

The first andvery important phase of green audit is establishment of anEnvironmental Management System (EMS) by an organization. The Environmental Management System is the backbone of the auditing process and its role is broad and wide. Every aspect of greenaudit ismonitored by this system. The organization should establish the Environmental Management System. The governance structure of the Environmental Management System is shown in following chart.



Governance of Environmental Management

- a) Preliminary literature review of concepts and methodologies related to greenaudit.
- b) Discussion with the management staff on various systems installed in the campus.
- c) Awareness creation and interaction with the staff and student on the concept of greenaudit.
- d) Walk through the entire campus to understand the nature of water use, energy use and waste management systems in the campus.

Benefits of the Green Auditing

- More efficient resource management
- To provide basis for improved sustainability
- ❖ To create a green campus To enable waste management through reduction of waste generation, solid- waste and water recycling
- ❖ To create plastic free campus and evolve health consciousness among the stakeholders Recognize the cost saving methods through waste minimizing and managing Point out the prevailing and forthcoming complications
- ❖ Authenticate conformity with the implemented laws
- ❖ Empower the organizations to frame a better environmental performance
- ❖ Enhance the alertness for environmental guidelines and duties
- ❖ Impart environmental education through systematic environmental management approach and Improving environmental standards Benchmarking for environmental protection initiatives)
- ❖ Financial savings through a reduction in resource use
- ❖ Development of ownership, personal and social responsibility for the College and its environment Enhancement of college profile
- ❖ Developing an environmental ethic and value systems in youngsters.
- ❖ Green auditing should become a valuable tool in the management and monitoring of environmental and sustainable development programs of the college

Actual Auditing

II. Audit Stage

- Checking of Documents and Evaluation
- Review of Environment Policy
- Review of Programmes or Activities

III. Pre audit stage - Meeting with the Principal and the Green audit coordinator



Fig.1: Meeting with Principal and Co-ordinators

IV. Meeting with the Audit team members (Staff advisers, student representatives etc..)



Fig .2 :Green Audit Inauguration at Nehru Memorial College, Puthanampatti.

A green audit was started at Nehru Memorial College, Puthanamapatti, Tiruchirappalli District, Tamilnadu – 621007 on 20th June 2019.

The methodology adopted for this audit was a three step process comprising of

I. Processing of Data Collection as per the template:

a) Development of questionnaire format to identify all water/energy using fixtures/ equipment and examine water or energy use patterns for individual buildings in the campus.

b) Collection of secondary data from compilation of electricity bills, collecting records of pumps, generators, water quality analysis reports, civil and electrical etc.

c) Semi-structured interview with maintenance manager, technicians, plumber and housekeeping staff on current situation and the past trends in water consumption, electricity consumption, waste management, waste generation etc.

II. Data Processing and analysis

The existing trends and patterns in water usage, energy usage and waste generation and management is analysed in this step from the data collected from the previous step.

III. Audit Recommendations and reporting:

Recommendation – On the basis of results of data analysis and observations, some steps for reducing power and water consumption were recommended. Proper treatments for waste were also suggested. Use of fossil fuels has to be reduced for the sake of community health.

I. PROFILE

II. LAND AUDIT

III. FLORA & FUNNA

NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)

PUTHANAMAPATTI - 621007

PROFILE

I. SECTION I : PROFILE

1. Name of the Institution : NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

2. Address of the College : PUTHANAMPATTI – 621 007

City / District : TRICHIRAPALLI -DISTRICT

State : TAMILNADU

Pincode : 621 007

Phone - Landline : 04327 - 234227, 234638

E mail : info@nmc.ac.in

Web site : www.nmc.ac.in

3. Name of the Principal : Dr.A.PONPERIASAMY

Mobile Number : 9486165596

4. Green Audit Coordinator's Name : Dr. A. ALAGAPPA MOSES

Name

Mobile number : 9842490057

5. How many shifts does your College have? Please Tick ✓

Shift	✓ / ×	Time	Hours
REGULAR	✓	9.30	3.30
Co-Education	✓		

6. Is your College single gender?

7. What is the total population of the College? : Total : 4634

Students	:		1611		2716
Teachers	:	Male	52	Female	129
Non-Teaching Staff (housekeeping, support & Management Staff)	:		64		62
Total	:				1727

8. How many visitors visit your College? : 65
 (Visitors are Students & Teachers from other Colleges, Technicians, contractors, labourers, guests and others (Please provide an average number).

9. How many students / wardens / support staff stay in your College? : 1300

10. **Brief History of the Campus**

VISION:

- ❖ For knowledge, Justice and Peace

MISSION:

With a view to realizing this vision, the college has taken up the following mission

- ❖ To impart the right kind of knowledge among the rural students with the aid of computers and other equipment,
- ❖ To ensure social justice for the rural people through various academic and non-academic activities viz., Cultural and Literary competitions, NSS, NCC, YRC, Gender Club etc.
- ❖ To stabilize inner peace in the minds of the young learners through meditation and Yoga practice in order to ensure peace among the rural people.

Motto

- Promoting higher level academic pursuits
- Building the Confidence level of the rural students
- Providing ample opportunities for Career Growth
- Sensitizing the youth about social justice and responsibility

ABOUT NMC

Nehru Memorial College, Puthanampatti was established in the year 1967. It was founded by Late Shri. Mookka Pillai a great philanthropist whose selfless spirit prompted him to take up the mission and vision of spreading education as early as 1942.

The great philanthropist and visionary Late Thiru. Mokka Pillai had conceived a noble idea of providing education to the children of peasants, the downtrodden and the poor section of the rural society and implemented it in the year 1942 by establishing a middle school in the rural village

Puthanampatti. He had put his heart and soul in addition to his hard earned money to impart education to the rural mass of the village.

During the Pre-independence days the founder had a great reverence for Pandit Jawaharlal Nehru and hence the school was named after our nation's first Prime Minister. The school was upgraded as High school in the year 1948. His another brainchild called Nehru Basic Training School paved the way for promoting a teacher in every house of the village in and around Puthanampatti.

The undaunted spirit of the unlettered genius did not satisfy himself with school education alone. He envisaged yet another noble cause of imparting higher education to the people in and around Puthanampatti and his dream was realized in 1967 in the form of 'Nehru Memorial College' was declared open by Honourable Shri.C.N. Annadurai, M.A., the then Chief Minister of Tamilnadu on 29th June 1967. The college is affiliated to Bharathidasan University, Tiruchirappalli, and was recognized under section 2 (f) and 12 (B) by the University Grants Commission, New Delhi in 1969. In appreciation of the societal concern and innovative practices adopted in a rural ambience, the college was granted autonomous status in 2004 by the University Grants Commission and accredited with "A" Grade by NAAC in the year 2013.

The College campus is spread over 45 acres of land. It has multi-storey buildings housing spacious class rooms and laboratories. The laboratories are equipped with state of art modern equipment. The college campus is spread over 45 acres of land. It has multi-storey buildings housing spacious class rooms and laboratories. All college has an exclusive computer centre with 300 terminals. The office of the Controller of Examinations functions separately in a well furnished wing. The institution has a separate two storey Library building with 50,000 volumes of books 73 national, and international reputed / peer reviewed journals. The college has two air-conditioned conference hall. A mega multipurpose hall with a floor space of 25,000 sq. feet is another unique feature of the college. There are three hostels:

1. Sir. C.V. Raman Hostel which could accommodate 1400 women inmates,
2. Mahatma Gandhi Centenary Hostel and
3. Highland Hostel for 600 men inmates.

These hostels are well furnished with lodging facility, reading rooms, computer laboratory with internet connectivity, play ground, ultra-modern kitchens and spacious dining halls. C.V. Raman Hostel for women has an open-air auditorium for the conduct of cultural and literary events. The institution has established Reverse Osmosis plant for the supply of purified drinking water for all the Students and Staff. As regards power supply, the college has 24 hrs HT power supplies along with 200 KVA backup generators. We have also installed about 300 kilo watts supply of SOLAR POWER Energy, and we are working towards “Zero Energy” campus in future.

All the academic administrative blocks and hostel are connected with Internet facility. All the faculty members are provided with computer and Internet facility. Students have access to Internet in the Internet centre. The institution conducts medical camps frequently. Any emergency medical need is taken care of by the nearest Government Hospital at Omandur which is 4 km. away from the campus. A separate vehicle is exclusively kept ready for the medical care of the students round the clock. The institution provides adequate transport facility for the students and staff.

We get students from various parts ie., Trichy, Salem, Namakal, Villupuram, Cudalore, districts, and we have about 50 students from Sri Lanka also studying in various programmes such as BBA, BCA, B.com, B.Com (CA) Chemistry and B.Sc., Hotel Management and Catering Science.



Main Block





Main Entrance Road of College Campus



Dr. Radhakrishnan Block

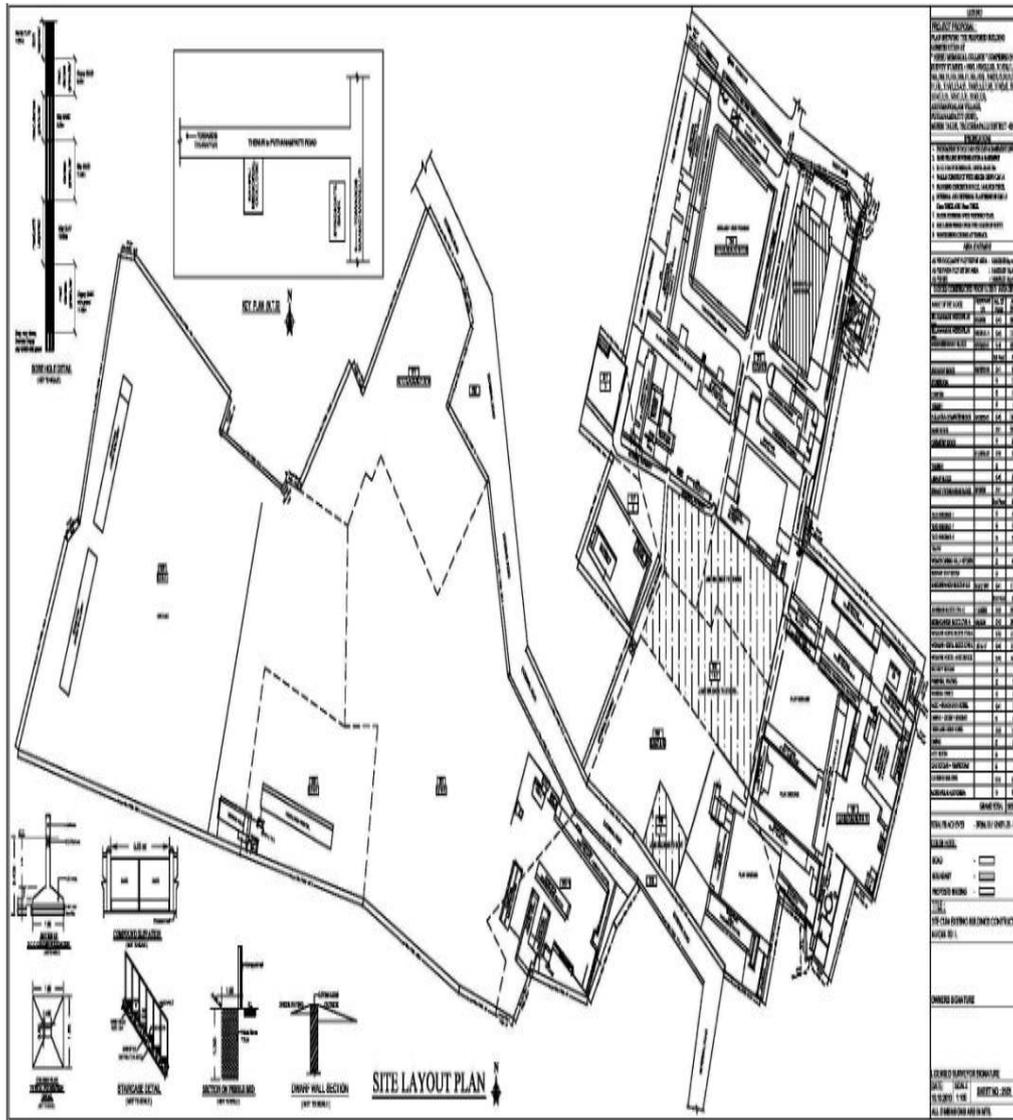


Sellammal Mookapillai Block



Fig: NMC College Satellite View

11 Lay out of the Campus showing all the buildings, play grounds and other features



Annexure II

Total Area of the campus :	Acres	42.02	Sq. M	170060.61

11. Age of the Buildings

AGE OF THE BUILDING AND BUILT - UP AREA		
Sl.no	Name of The Building	Open Date
1	SellammalMookapillai Block -I	2005
2	SellammalMookapillai Block -II	2005
3	Mr.Radhakrishnan Block	2001
4	Zoology Block	2003
5	Store Room	2003
6	Canteen	2003
7	Toilet - 1	1995
8	Sujatha Computer Block	1999
9	Main Block	1972
10	Chemistry Block - 1	2003
11	Chemistry Block - 2	2003
12	Toilet - 2	1998
13	Library Block - 1	1994
14	Library Block - 2	2015
15	Vivekandha Block	2003
16	Muthaiya Block - Tiled Building - 1	1967
17	Muthaiya Block - Tiled Building - 2	1967
18	Muthaiya Block - Tiled Building - 3	1967
19	Temple	2005
20	Days scholar Toilet	1998
21	Mookapillai Auditorium	2010
22	Research Block	2018
23	Catering Building	2004

Sl.no	Name of The Building	Open Date
24	Women Hostel Dining	2003
25	Women Hostel Kitchen	2003
26	Servant Stay Room	2003
27	Sarojini Naidu Block -D Block	2003
28	Wash Yard	2003
29	Jansirani Block- C Block	2003
30	Indragandhi Block - B Blcok	1995
31	Mother Terasa Block - A	1976
32	Meerabai - E Block	2016
33	Lakshmi Bai - E Block	2016
34	Wash Yard	2003
35	Security Rooms	2018
36	Parents Waiting Hall	2003
37	CVR Office	1976
38	MGC Bagavatsingh Block	1972
39	Kamaraj Block	1972
40	V.O.C Block - Rc Roof	1972
41	Kodikathakumaran Block	1972
42	Bharathiyar Block	1972
43	Dining Hall - 1	1972
44	Dining Hall - 2	1972
45	Kitchen	1972
46	Gas Room	
47	Generator (Power Room)	1996
48	Bath Room	1972
49	Toilet	1972

Sl.no	Name of The Building	Open Date
50	Highland Hostel	1974
51	Dining Hall	1974
52	Kitchen	1974
53	Gas Room	
54	Staff Toilet	2000
55	NCC Room	2008
56	Ground Gallery	2014
57	RO Plant	2004
58	Security Rooms	2018
59	ATM	2015
60	Workshop	1978

14. Built up area (All Floors)

BUILDING AND BUILT - UP AREA				
Sl.no	Name of The Building	No of Flooring	Built up Area	
			Sq.feet	Sq.mtr
1	SellammalMookapillai Block -I	G + 3	29960.00	2784.39
2	SellammalMookapillai Block -II	G + 3	20000.00	1858.74
3	Mr.Radhakrishnan Block	G + 3	30378.00	2823.23
4	Zoology Block	G + 1	7808.00	725.65
5	Store Room	G	1386.00	128.81
6	Canteen	G	1864.00	173.23
7	Toilet - 1	G	968.00	89.96
8	Sujatha Computer Block	G + 2	13997.20	1300.86
9	Main Block	G +2	49582.08	4608.00
10	Chemistry Block - 1	G	2328.25	216.38

Sl.no	Name of The Building	No of Flooring	Built up Area	
			Sq.feet	Sq.mtr
11	Chemistry Block - 2	G+ 2	2242.50	208.41
12	Toilet - 2	G	802.37	74.57
13	Library Block - 1	G + 2	7531.13	699.92
14	Library Block - 2	G	1188.00	110.41
15	Vivekandha Block	G + 2	9438.03	877.14
16	Muthaiya Block - Tiled Building - 1	G	5142.25	477.90
17	Muthaiya Block - Tiled Building - 2	G	5027.13	467.20
18	Muthaiya Block - Tiled Building - 3	G	2262.00	210.22
19	Temple	G	35.00	3.25
20	Days scholar Toilet	G	740.00	68.77
21	Mookapillai Auditorium	G	27929.73	2595.70
22	Research Block	G + 3	11660.00	1083.64
23	Catering Building	G + 3	10944.00	1017.10
24	Women Hostel Dining	G`	8120.00	754.65
25	Women Hostel Kitchen	G	1688.00	156.88
26	Servant Stay Room	G	804.94	74.81
27	Sarojini Naidu Block -D Block	G + 1	23758.08	2208.00
28	Wash Yard	G	1000.00	92.94
29	Jansirani Block- C Block	G + 2	7445.92	692.00
30	Indragandhi Block - B Block	G + 3	28080.37	2609.70
31	Mother Teresa Block - A	G + 3	19023.68	1768.00
32	Meerabai - E Block	G + 3	19328.19	1796.30
33	Lakshmi Bai - E Block	G + 3	12201.84	1134.00
34	Wash Yard	G	873.17	81.15
35	Security Rooms	G	109.25	10.15
36	Parents Waiting Hall	G	2030.00	188.66

Sl.no	Name of The Building	No of Flooring	Built up Area	
			Sq.feet	Sq.mtr
37	CVR Office	G	1460.25	135.71
38	MGC Bagavatsingh Block	G + 1	4963.75	461.32
39	Kamaraj Block	G + 1	4153.50	386.01
40	V.O.C Block - Rc Roof	G + 1	2938.00	273.05
41	Kodikathakumaran Block	G + 1	4918.38	457.10
42	Bharathiyar Block	G + 1	2579.50	239.73
43	Dining Hall - 1	G	1763.44	163.89
44	Dining Hall - 2	G	1763.44	163.89
45	Kitchen	G	1092.50	101.53
46	Gas Room	G	201.00	18.68
47	Generator (Power Room)	G	324.06	30.12
48	Bath Room	G	405.63	37.70
49	Toilet	G	299.25	27.81
50	Highland Hostel	G+ 2	18015.75	1674.33
51	Dining Hall	G	1672.81	155.47
52	Kitchen	G	1241.56	115.39
53	Gas Room	G	218.75	20.33
54	Staff Toilet	G	60.00	5.58
55	NCC Room	G	925.36	86.00
56	Ground Gallery	G	11086.57	1030.35
57	RO Plant	G	680.00	63.20
58	Security Rooms	G	120.00	11.15
59	ATM	G	144.00	13.38
60	Workshop	G	620.00	57.62
	Total		429324.59	39900.66

15. Student's Strength (For the past Five years)

S. No.	Year	UG	PG	M. Phil	Ph. D	Total
1.	2014 - 2015	2857	469	130	49	3505
2.	2015 - 2016	3343	360	137	26	3866
3.	2016 - 2017	3129	429	296	57	3911
4.	2017 - 2018	3893	451	296	92	4732
5.	2018 - 2019	3435	445	356	91	4327

16. Staff Strength (For the past Five years)

S. No.	Year	Teaching			Non-Teaching			Other workers	Total
		Aided	SF	Total	Aided	SF	Total		
1.	2014 - 2015	52	110	162	35	50	85	36	530
2.	2015 - 2016	51	115	166	30	42	72	30	506
3.	2016 - 2017	49	119	168	29	42	71	42	520
4.	2017 - 2018	21	121	172	29	49	78	40	510
5.	2018 - 2019	50	129	188	27	51	78	44	567

NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)

PUTHANAMAPATTI - 621007



II. LAND AUDIT

II. LAND AUDIT

Land at a Glance (Area in Sq. M.)

1	Total Land area of your College	:	42.02 Acres
2	Open space	:	130159.95 Sq.mtrs
3	Plantation/Green area	:	2108 Sq.mtrs
4	Built-up/Constructed Area	:	39900.66
5	No. of Buildings in the campus	:	60 nos
6	Total No. of floors in buildings	:	103 Floors
7	Roof Top area - Rc Roof	:	10480 Sq.mtrs
	Roof Top area - Light Roof	:	9692 Sq.mtrs
8	Is there any rocky structure present	:	Yes (Main Block, Library Block)
9	Parking Area	:	935.87 Sq.mtrs

III. LAND USE DATA

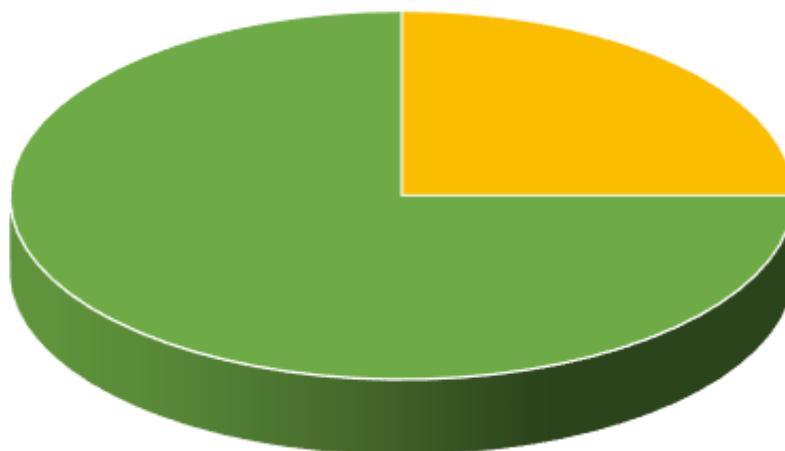
Categories of Land Use	Area	Sq.mtrs
Open space and plantation	130159.95	Sq.mtrs
Build up area	39900.66	Sq.mtrs
Total	170060.61	Sq.mtrs

IV. TOTAL GREEN COVER

S.No.	Place	Area Unit
1	Ground coverage area	2108M ²
2	surface parking area	935.87 M ²

Ideally the green area on the ground should be 35% of the total site area, out of which 1.5% should be from given landscape area on ground.

**LAND USE ANALYSIS
NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI**



■ Built Up Area (Sq Meters)
 ■ Plantation Area (SqMeters)

BUILT-UP AREA OF YOUR COLLEGE CAMPUS

S.No	Place	Area	Sq.mtr / Nos
1	Roof and terrace area - Rc Roof	10480.5	Sq.mtr
2	Roof and terrace area - Light Roof	9692.9	Sq.mtr
3	Total built -up / constructed area	39900.66	Sq.mtr
4	Total number of floors(excluding ground floor)	48.0	Nos

NMC Class Rooms

I. Please provide details for each building				
Name of the Building				
S.NO		X	Y	Percentage of floor area ventilated
	Room Nos	Class Room Surface Area in Sq.mtrs	Window + Door + Ventilator (Sq/M)	Y/X*100
Main Building				
1	1 to 23	1282.53	228.7	17.83
Muthaiya Block - Tiled Building				
2	24 to 35	1690.92	763.16	45.13
Vivekandha Block				
3	36 to 48	382.2	115.14	30.13
Mr.Radhakrishnan Block				
4	49 to 53 , 54 to 58 , 66 to 71, 89 - 90	987.12	204.00	20.67
Sujatha Block				
5	64 - 65	87.90	14.86	16.91
SellammalMookkapilli block				
6	59 to 63 , 72 to 77 , 78 to 83 , 84 to 88	1059.48	231.3	21.83
Zoology Block				
7	91 to 94	267.66		28.62
Hotel Management				
8	95 to 98	205.70	30.11	14.64

BUILDING AND BUILT - UP AREA				
Sl.no	Name Of The Building	No Of Flooring	Built up Area	
			Sq.feet	Sq.mtr
1	SellammalMookapillai Block -I	G + 3	29960.00	2784.39
2	SellammalMookapillai Block -II	G + 3	20000.00	1858.74
3	Mr.Radhakrishnan Block	G + 3	30378.00	2823.23
4	Zoology Block	G + 1	7808.00	725.65
5	Store Room	G	1386.00	128.81
6	Canteen	G	1864.00	173.23
7	Toilet - 1	G	968.00	89.96
8	Sujatha Computer Block	G + 2	13997.20	1300.86
9	Main Block	G +2	49582.08	4608.00
10	Chemistry Block - 1	G	2328.25	216.38
11	Chemistry Block - 2	G+ 2	2242.50	208.41
12	Toilet - 2	G	802.37	74.57
13	Library Block - 1	G + 2	7531.13	699.92
14	Library Block - 2	G	1188.00	110.41
15	Vivekandha Block	G + 2	9438.03	877.14
16	Muthaiya Block - Tiled Building - 1	G	5142.25	477.90
17	Muthaiya Block - Tiled Building - 2	G	5027.13	467.20
18	Muthaiya Block - Tiled Building - 3	G	2262.00	210.22
19	Temple	G	35.00	3.25
20	Days scholar Toilet	G	740.00	68.77
21	Mookapillai Auditorium	G	27929.73	2595.70
22	Research Block	G + 3	11660.00	1083.64
23	Catering Building	G + 3	10944.00	1017.10
24	Women Hostel Dining	G`	8120.00	754.65
25	Women Hostel Kitchen	G	1688.00	156.88
26	Servant Stay Room	G	804.94	74.81
27	Sarojini Naidu Block -D Block	G + 1	23758.08	2208.00
28	Wash Yard	G	1000.00	92.94

29	Jansirani Block- C Block	G + 2	7445.92	692.00
30	Indragandhi Block – B Blcok	G + 3	28080.37	2609.70
31	Mother Terasa Block - A	G + 3	19023.68	1768.00
32	Meerabai - E Block	G + 3	19328.19	1796.30
33	Lakshmi Bai - E Block	G + 3	12201.84	1134.00
34	Wash Yard	G	873.17	81.15
35	Security Rooms	G	109.25	10.15
36	Parents Waiting Hall	G	2030.00	188.66
37	CVR Office	G	1460.25	135.71
38	MGC Bagavatsingh Block	G + 1	4963.75	461.32
39	Kamaraj Block	G + 1	4153.50	386.01
40	V.O.C Block - Rc Roof	G + 1	2938.00	273.05
41	Kodikathakumaran Block	G + 1	4918.38	457.10
42	Bharathiyar Block	G + 1	2579.50	239.73
43	Dining Hall - 1	G	1763.44	163.89
44	Dining Hall - 2	G	1763.44	163.89
45	Kitchen	G	1092.50	101.53
46	Gas Room	G	201.00	18.68
47	Generator (Power Room)	G	324.06	30.12
48	Bath Room	G	405.63	37.70
49	Toilet	G	299.25	27.81
50	Highland Hostel	G+ 2	18015.75	1674.33
51	Dining Hall	G	1672.81	155.47
52	Kitchen	G	1241.56	115.39
53	Gas Room	G	218.75	20.33
54	Staff Toilet	G	60.00	5.58
55	NCC Room	G	925.36	86.00
56	Ground Gallery	G	11086.57	1030.35
57	RO Plant	G	680.00	63.20

NEHRU MEMORIAL COLLEGE
(AUTONOMOUS)

PUTHANAMAPATTI - 621007

III. FLORA & FAUNA

III. Flora and Fauna FLORA

The natural landscape of the College campus includes green vegetation, tree canopy cover, small lentic system and artificial rain water harvesting pond provides a unique environmental setting conducive for a wide range of floral and faunal diversity. Totally 62 species of plants are present in the College campus.

STARTIFICATION

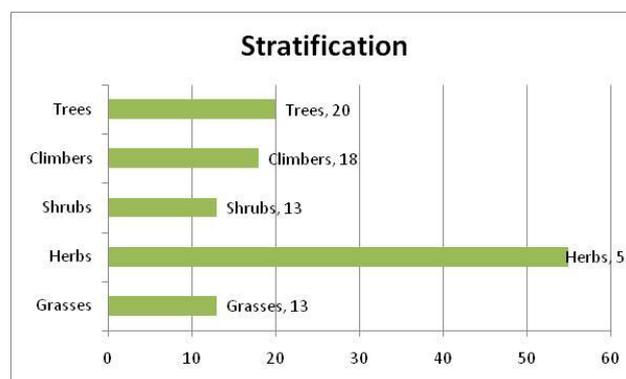
		Plant species
1	Grass	
	1.	<i>Apludamutica</i>
	2.	<i>Aristidahystrix</i>
	3.	<i>Chrysopogonfulvus</i>
	4.	<i>Cynodandactylon</i>
	5.	<i>Cyperuscompressus</i>
	6.	<i>Cyperus triceps</i>
	7.	<i>Digitariaciliata</i>
	8.	<i>Digitarialongiflora</i>
	9.	<i>Dimeriaornithopoda</i>
	10.	<i>Eragrostisbifaria</i>
	11.	<i>Eragrostisplumosa</i>
	12.	<i>Fimbristylisovata</i>
	13.	<i>Heteropogoncontortus</i>
2	Herbs	
	1.	<i>Acanthospermumhispidum</i>
	2.	<i>Achyranthesaspera</i>
	3.	<i>Aervalanata</i>
	4.	<i>Aloe vera</i>
	5.	<i>Alysicarpusvarginalis</i>
	6.	<i>Biophytumsensitivum</i>
	7.	<i>Blepharismaderaspatensis</i>
	8.	<i>Blepharismullignifolia</i>
	9.	<i>Boerhaviadiffusa</i>
	10.	<i>Borreriaarticularis</i>
	11.	<i>Cleome aspera</i>
	12.	<i>Cleome felina</i>
	13.	<i>Cleome viscosa</i>
	14.	<i>Commelinabenghalensis</i>
	15.	<i>Corchorusurticifolius</i>
	16.	<i>Desmodiumtriflorum</i>
	17.	<i>Emilia scabra</i>
	18.	<i>Enicostemmaaxillare</i>
	19.	<i>Evolvulusalsinoides</i>
	20.	<i>Hybanthusenneaspermus</i>
	21.	<i>Hyptissuaveolens</i>
	22.	<i>Indigoferalinnai</i>
	23.	<i>Justiciaglauca</i>
	24.	<i>Justiciaprostrate</i>
	25.	<i>Justicia simplex</i>
	26.	<i>Justiciatranquebariensis</i>

	27.	<i>Leucasaspera</i>
	28.	<i>Merremiatridentata</i>
	29.	<i>Merremiatridentate</i>
	30.	<i>Mollugapentaphylla</i>
	31.	<i>Mollugonudicaulis</i>
	32.	<i>Nimbianodiflora</i>
	33.	<i>Ocimumgratissimum</i>
	34.	<i>Ocimumtenuiflorum</i>
	35.	<i>Oldenlandiacorymbosa</i>
	36.	<i>Oldenlandiaumbellata</i>
	37.	<i>Pavoniaodarata</i>
	38.	<i>Pavoniazeylanica</i>
	39.	<i>Phyllanthusamarus</i>
	40.	<i>Polycorpiacorymbosa</i>
	41.	<i>Polygala arvensis</i>
	42.	<i>Pupalialappacea</i>
	43.	<i>Rothiaindica</i>
	44.	<i>Sansevieriaroxburghiana</i>
	45.	<i>Scillaindica</i>
	46.	<i>Sidaacuta</i>
	47.	<i>Sidacordifolia</i>
	48.	<i>Sidarhomnifolia</i>
	49.	<i>Tephrosiapurpurea</i>
	50.	<i>Tribulusterrestris</i>
	51.	<i>Tridaxprocumbans</i>
	52.	<i>Vernoniacinerea</i>
	53.	<i>Vicoaindica</i>
	54.	<i>Waltheriaindica</i>
	55.	<i>Zorniadiphylla</i>
3	Shrubs	
	1.	<i>Agave sisalana</i>
	2.	<i>Benkaramalabarica</i>
	3.	<i>Cadabafruticosa</i>
	4.	<i>Calatropisgigantea</i>
	5.	<i>Cassia auriculata</i>
	6.	<i>Clausenadentata</i>
	7.	<i>Dodonaeaviscosa</i>
	8.	<i>Durantaerecta</i>
	9.	<i>Fleuggealeucopyrus</i>
	10.	<i>Glycosmispentaphyla</i>
	11.	<i>Lantana camera</i>
	12.	<i>Randiadumetorum</i>
	13.	<i>Taranaasiatica</i>
4	Climbers	
	1.	<i>Albiziaamara</i>
	2.	<i>Azadirachtaindica</i>
	3.	<i>Bauhinia racemosa</i>
	4.	<i>Cassia siamea</i>
	5.	<i>Cassia fistula</i>
	6.	<i>Cassineglauca</i>
	7.	<i>Delonixelata</i>
	8.	<i>Delonixregia</i>

	9.	<i>Ficusmicrocarpa</i>
	10.	<i>Lanneacoromandelica</i>
	11.	<i>Madhucalongifolia</i>
	12.	<i>Millingtoniahortensis</i>
	13.	<i>Morindatinctoria</i>
	14.	<i>Peltophorumpterocarpum</i>
	15.	<i>Plumerarubra</i>
	16.	<i>Polyalthialongifolia</i>
	17.	<i>Pongamiapinnata</i>
	18.	<i>Prosopis julifera</i>
5	Trees	
	1.	<i>Albiziaamara</i>
	2.	<i>Azadirachtaindica</i>
	3.	<i>Bauhinia racemosa</i>
	4.	<i>Cassia siamea</i>
	5.	<i>Cassia fistula</i>
	6.	<i>Cassineglauca</i>
	7.	<i>Delonixelata</i>
	8.	<i>Delonixregia</i>
	9.	<i>Ficusmicrocarpa</i>
	10.	<i>Lanneacoromandelica</i>
	11.	<i>Madhucalongifolia</i>
	12.	<i>Millingtoniahortensis</i>
	13.	<i>Morindatinctoria</i>
	14.	<i>Peltophorumpterocarpum</i>
	15.	<i>Plumerarubra</i>
	16.	<i>Polyalthialongifolia</i>
	17.	<i>Pongamiapinnata</i>
	18.	<i>Prosopis julifera</i>
	19.	<i>Roystonearegea</i>
	20.	<i>Tectonagrandis</i>

Stratification of Plant Community

S. No.	Habit	No.
1	Grasses	13
2	Herbs	55
3	Shrubs	13
4	Climbers	18
5	Trees	20



Floral distribution in the NMC Campus



Assessment of Fauna

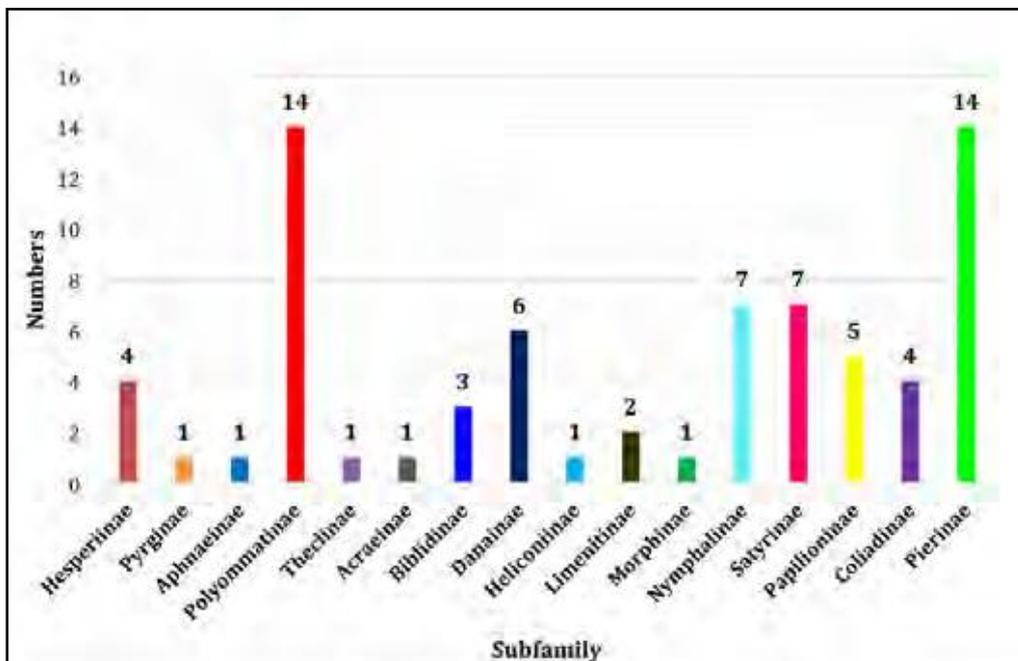
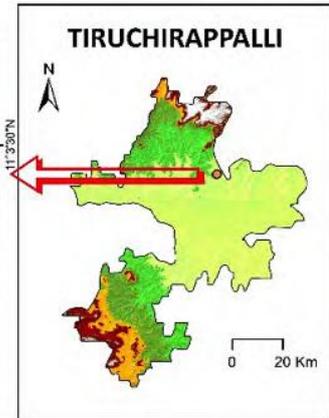
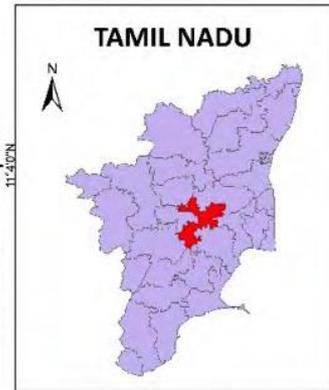
The animal life of an area is dependent upon the vegetation and there are countless relationships between the species composing an animal community. Fauna assessment involves more problems than flora assessment by virtue of the greater variety of animal types, their mobility and behavior. Faunal assessment provides a basis for determining relative abundance and evaluating commonness or rarity of each species encountered.

In the college campus, the animal survey was conducted along with the plants. The study includes surveys of the animal communities such as aquatic organisms, insects, molluscs, reptiles, fishes, amphibians, birds and mammals.

Butterflies

The butterflies play vital role in the ecological balance acting as biological indicators, pollinators, prey, defoliators and herbivores to provide economic and ecological benefits to human society and can indirectly change the plant diversity by pollination especially in herbs and shrubs. They play a major role in the food chain, by being prey for birds, reptiles, spiders and predatory insects. The department of zoology has prepared a detailed checklist of butterflies in 50 acres of the College campus and 69 acres of surrounding villages.

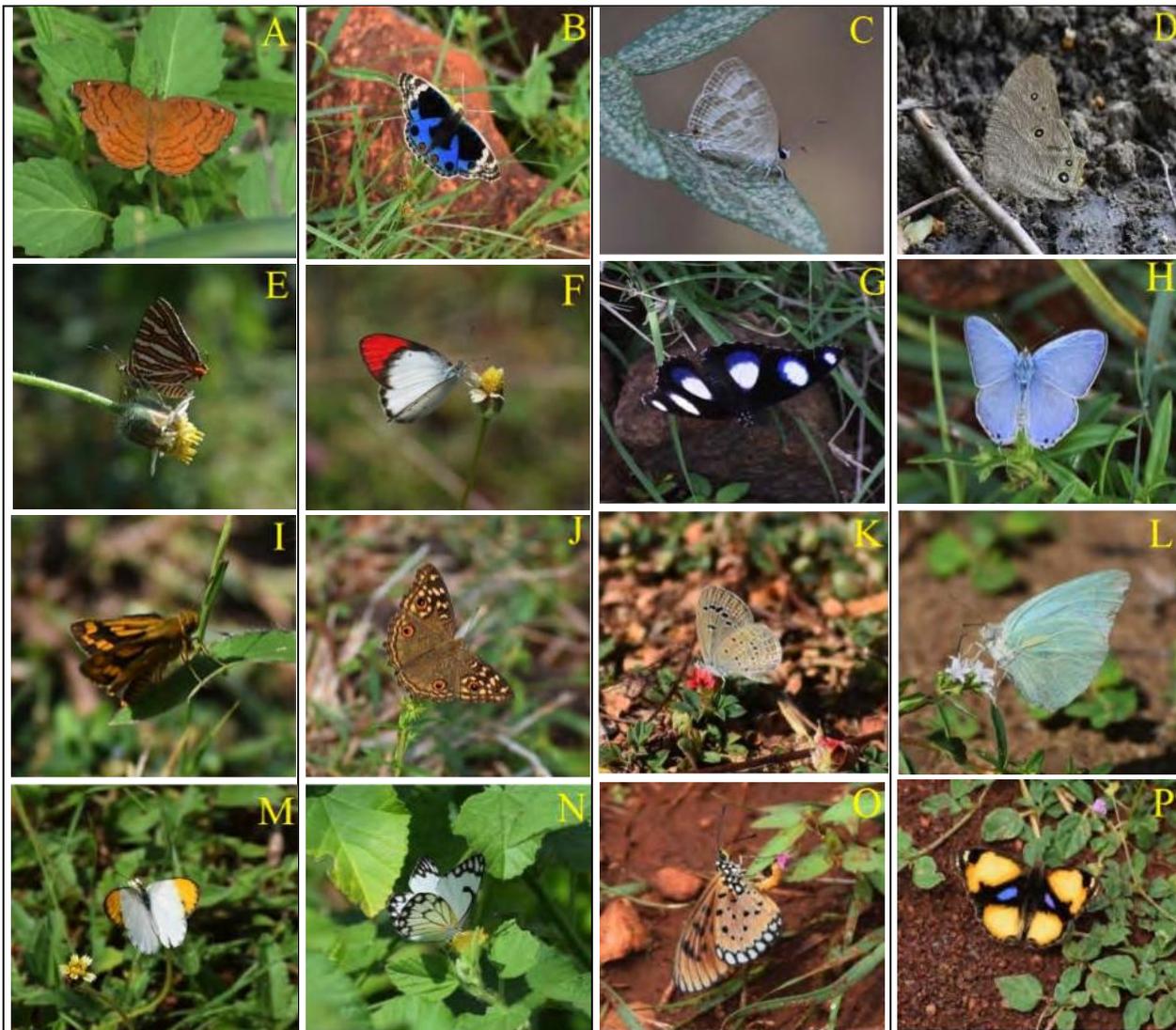
**BUTTERFLY STUDY AREA AT
NEHRU MEMORIAL COLLEGE AND PUTHANAMPPTI VILLAGE**



Number of Butterfly species recorded under different sub families

	Family	SubFamily	CommonName	ScientificName	Status	WildlifePr otectionAc
1	Hesperiida	Hesperiinae	RiceSwift	<i>Borbocinnara</i>	Common	-
2			PlainPalmDart	<i>Cephrenesacalle</i>	Common	-
3			IndianDart	<i>Potanthuspseudoma</i>	Common	-
4			IndianPalmBob	<i>Suastuseremius</i>	Common	-
5		Pyrginae	IndianSkipper	<i>Spialiagalba</i>	Common	-
6	Lycaenidae	Aphnaeinae	CommonSilverline	<i>Spindasisvulcanus</i>	Common	-
7		Polyommatin	CommonCerulean	<i>Jamidesceleno</i>	Common	-
8			Forget-Me-Not	<i>Catochrysopsstrabo</i>	Common	-
9			PeaBlue	<i>Lampidesboeticus</i>	Common	II
10			ZebraBlue	<i>Leptotesplinius</i>	Common	-
11			CommonPierrot	<i>Castaliusrosimon</i>	Common	I
12			RoundedPierrot	<i>Tarucusnara</i>	Common	-
13			DarkGrassBlue	<i>Zizeeriakarsandra</i>	Common	-
14			LesserGrassBlue	<i>Zizinaotis</i>	Common	-
15			PaleGrassBlue	<i>Pseudozizeeriamaha</i>	Common	-
16			GramBlue	<i>Euchrysopsrneius</i>	Common	II
17			IndianCupid	<i>Evereslacturnus</i>	Common	-
18			SmallGrassJewel	<i>Freveriaputli</i>	Common	-
19			GrassJewel	<i>Freveriatrochylus</i>	Common	-
20			LimeBlue	<i>Chiladeslajus</i>	Common	-
21		Theclinae	GuavaBlue	<i>Viracholaisocrates</i>	Common	-
22	Nymphalid	Acraeinae	TawnvCoster	<i>Acraeaviolae</i>	Common	-
23		Biblidinae	AngledCastor	<i>Ariadneariadne</i>	Uncomm	-
24			CommonCastor	<i>Ariadnemerione</i>	Common	-
25			Joker	<i>Bybliailithvia</i>	Common	-
26		Danainae	BlueTiger	<i>Tirumalalimniace</i>	Common	-
27			PlainTiger	<i>Danauschrysippus</i>	Common	-
28			StripedTiger	<i>Danausgenutia</i>	Common	-
29			Double-	<i>Euploeasylvestercor</i>	Common	-
30			CommonCrow	<i>Euploeacore</i>	Common	IV
31			CommonNawab	<i>Polyuraathamas</i>	Common	-
32		Heliconiinae	CommonLeopard	<i>Phalantaphalantha</i>	Common	-
33		Limenitinae	CommonBaron	<i>Euthaliaaconthea</i>	Common	-
34			CommonSailer	<i>Neptishylas</i>	Common	-
35		Morphinae	BlackRajah	<i>Charaxessolon</i>	Uncomm	II
36		Nymphalinae	GreatEggfly	<i>Hypolimniasbolina</i>	Common	I

	Family	SubFamily	CommonName	ScientificName	Status	WildlifeProtectionAct
37			DanaidEggfly	<i>Hypolimnasmisippu</i>	Common	II
38			BluePansy	<i>Junoniaorithiya</i>	Common	-
39			ChocolatePansy	<i>Junoniaiphita</i>	Common	-
40			LemonPansy	<i>Junonialemonias</i>	Common	-
41			PeacockPansy	<i>Junoniaalmana</i>	Common	-
42			YellowPansy	<i>Junoniahierta</i>	Common	-
43		Satyrinae	SouthernPalmfly	<i>Elymniascaudata</i>	Common	-
44			CommonEveningBrown	<i>Melanitisleda</i>	Common	-
45			DarkEveningBrow	<i>Melanitisphedima</i>	Uncomm	-
46			CommonBushbrow	<i>Mycalesisperseus</i>	Common	-
47			Dark-	<i>Mycalesismineus</i>	Common	-
48			CommonThree-	<i>Ypthimaasterope</i>	Common	-
49			WhiteFour-Ring	<i>Ypthimacevlonica</i>	Common	-
50	Papilionida	Papilioninae	CommonRose	<i>Pachlioptaaristoloc</i>	Common	-
51			CrimsonRose	<i>Pachlioptahector</i>	Common	I
52			LimeButterfly	<i>Papiliodemoleus</i>	Common	-
53			CommonMormon	<i>Papiliopolytes</i>	Common	-
54			BlueMormon	<i>Papiliopolymnestor</i>	Uncomm	-
55	Pieridae	Coliadinae	CommonEmigrant	<i>Catopsiliapomona</i>	Common	-
56			MottledEmigrant	<i>Catopsiliapyranthe</i>	Common	-
57			SmallGrassYellow	<i>Euremabrigitta</i>	Common	-
58			CommonGrassYell	<i>Euremahecabe</i>	Common	-
59		Pierinae	CommonGull	<i>Ceporanerissa</i>	Common	II
60			SmallSalmonArab	<i>Colotisamata</i>	Common	-
61			CrimsonTip	<i>Colotisdanae</i>	Uncomm	-
62			PlainOrangeTip	<i>Colotisaurora</i>	Common	-
63			SmallOrangeTip	<i>Colotisetrida</i>	Common	-
64			WhiteOrangeTip	<i>Ixiasmarianne</i>	Common	-
65			YellowOrangeTip	<i>Ixiaspyrene</i>	Common	-
66			GreatOrangeTip	<i>Hebomoiaaglaucippe</i>	Common	-
67			CommonWanderer	<i>Pareroniahippia</i>	Common	-
68			IndianCabbageWhi	<i>Pieriscanidia</i>	Common	-
69			SmallCabbageWhit	<i>Pierisrapae</i>	Common	-
70			CommonJezebel	<i>Deliasseucharis</i>	Common	-
71			Psyche	<i>Leptosianina</i>	Common	-
72			Pioneer	<i>Belenoisaurota</i>	Common	-



Some of the Butterfly species recorded during the study: A- *Ariadne ariadne*, B- *Junonia orithiya*, C- *Jamides celeno*, D- *Melanitis leda*, E- *Spindasis vulcanus*, F- *Colotis danae*, G- *Hypolimnasmisippus*, H- *Catochrysops Strabo*, I- *Potanthus pseudomaesa*, J- *Junonia lemonias*, K- *Pseudozizeeria maha*, L- *Catopsilia pyranthe*, M- *Colotis aurora*, N- *Belenois aurora*, O- *Acraea viola*, P- *Junonia hierta*

Insects

Table List of Insects

S.No	Common name	Scientific Name	Status/Schedule
1	House fly	<i>Muscadomestica</i>	Common/ NA
2	Common grasshopper	<i>Gastrimargus marmoratus</i>	Common/ NA
3	Common grasshopper	<i>Cleoboracrassa</i>	Common/ NA
4	Red cotton bug	<i>Dysdercus ingulatus</i>	Common/ NA
5	White spotted cockroach	<i>Coridiapetivariana</i>	Common/ NA
6	House cockroach	<i>Periplanata americana</i>	Common/ NA
7	Honey bee	<i>Apis indica</i>	Common/ NA
8	Small honey bee	<i>Apis florea</i>	Common/ NA
9	Anopheles mosquito	<i>Anopheles meigen</i>	Common/ NA
10	Water scorpion	<i>Nepacineria</i>	Common/ NA
11	Praying mantis	<i>Gongylus gongiloides</i>	Common/ NA
12	Water strider	<i>Gerris gracilicornis</i>	Common/ NA

Molluscs

S.No	Common name	Scientific name	Status / Schedule
1.	Apple snail	<i>Pilaglobosa</i>	Common / NA
2.	Wheel snail	<i>Planorvisgyrautus</i>	Common / NA
3.	Tower snail	<i>Limnaeaperegra</i>	Common / NA
4.	Cone snail	<i>Limnaeatruncatula</i>	Common / NA
5.	Fresh water mussel	<i>Lamellidensmarginalis</i>	Least concern

Fishes

S. No.	Common Name	Scientific Name	Status/Schedule
1	Mosquito fish	<i>Gambusia affinis</i>	Common
2	Common carp	<i>Cyprinus carpio</i>	Common

Reptiles

S. No.	Common Name	Scientific Name	IUCN Status
1	Garden Lizard	<i>Calotes versicolor</i>	Least concern
2	Monitor Lizard	<i>Varanus benghalensis</i>	Threatened
3	Garden skink	<i>Lampropholis guichenoti</i>	Common/NA
4	Cobra	<i>Naja naja</i>	Threatened
5	Indian Rat snake	<i>Ptyas mucosa</i>	
6	Common krait	<i>Bangarus caeruleus</i>	

Amphibians

S. No	Common Name	Scientific Name	Status/Schedule
1.	Skittering frog	<i>Ranacyanophlyctis</i>	Common/ NA
2.	Indian Bull frog	<i>Hoplobatrachus tigerinus</i>	Common/ NA
3.	Common Indian toad	<i>Bufo melanostictus</i>	Common/ NA
4.	Indian Pond frog	<i>Rana hexadactylus</i>	Common/ NA

Birds

	Waterfowl	Scientific name
1	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>
	Grouse, Quail, and Allies	
2	Indian Peafowl	<i>Pavo cristatus</i>
3	Rain Quail	<i>Coturnix coromandelica</i>
4	Old world quail sp.	<i>Synoicus/Coturnix sp.</i>
5	Grey Francolin	<i>Francolinus pondicerianus</i>
	Grebes	
6	Little Grebe	<i>Tachybaptus ruficollis</i>
	Pigeons and Doves	
7	Rock Pigeon (Blue Rock Pigeon)	<i>Columba livia</i>
8	Eurasian Collared-Dove	<i>Streptopelia decaocto</i>
9	Red Collared-Dove (Red Turtle-Dove)	<i>Streptopelia tranquebarica</i>
10	Spotted Dove	<i>Streptopelia chinensis</i>
11	Laughing Dove (Little Brown Dove)	<i>Streptopelia senegalensis</i>
	Sandgrouse	
12	Chestnut-bellied Sandgrouse	<i>Pterocles exustus</i>
	Cuckoos	
13	Greater Coucal	<i>Centropus sinensis</i>
14	Blue-faced Malkoha	<i>Phaenicophaeus viridirostris</i>
15	Pied Cuckoo (Jacobin Cuckoo)	<i>Clamator jacobinus</i>
16	Asian Koel	<i>Eudynamis scolopacea</i>

17	Grey-belliedCuckoo	<i>Cacomantispasserinus</i>
18	CommonHawk-Cuckoo	<i>Hierococcyxvarius</i>
	Nightjars	
19	Indian Nightjar	<i>Caprimulgusasiaticus</i>
	Swifts	
20	AlpineSwift	<i>Apus melba</i>
21	LittleSwift(Indian HouseSwift)	<i>Apusaffinis</i>
22	AsianPalm-Swift	<i>Cypsiurusbalasiensis</i>
23	Swift sp.	<i>Apodidaesp.</i>
	Rails,Gallinules,andAllies	
24	Eurasian Moorhen	<i>Gallinulachloropus</i>
25	White-breastedWaterhen	<i>Amauornisphoenicurus</i>
	Shorebirds	
26	IndianThick-knee(IndianStone-curler)	<i>Burhinusindicus</i>
27	Red-wattledLapwing	<i>Vanellusindicus</i>
28	CommonSnipe	<i>Gallinagogallinagolareola</i>
29	CommonSandpiper	<i>Actitishypoleucos</i>
30	CommonGreenshank	<i>Tringanebularia</i>
31	Wood Sandpiper	<i>Tringa Sp.</i>
32	Yellow-leggedButtonquail	<i>Turnixtanki</i>
33	Buttonquail	<i>Turnixsp.</i>
	CormorantsandAnhingas	
34	LittleCormorant	<i>Microcarboniger</i>
35	Cormorant sp.	<i>Phalacrocoracidae sp.</i>
	Hérons,Ibis,andAllies	
36	IntermediateEgret	<i>Ardeaintermedia</i>
37	LittleEgret	<i>Egrettaazarzetta</i>
38	Cattle Egret	<i>Bubulcusibis</i>
39	whiteegretsp.	<i>Ardea/Egretta/Bubulcussp.</i>
40	IndianPond-Heron	<i>Ardeolagrayii</i>
41	Black-crowned Night-Heron	<i>Nycticoraxnycticorax</i>
	Vultures,Hawks,andAllies	
42	Black-wingedKite (Black-shouldered Kite)	<i>Elanuscaeruleus</i>
43	BootedEagle	<i>Hieraaetuspennatus</i>
44	White-eyedBuzzard	<i>Butasturteesa</i>
45	Eurasian Marsh-Harrier	<i>Circus aeruginosus</i>
46	Pallid Harrier	<i>Circus macrourus</i>
47	Shikra	<i>Accipiter badius</i>
48	BlackKite	<i>Milvusmigrans</i>
49	Common Buzzard	<i>Buteobuteo</i>
50	Eagle sp.	<i>Accipitridae sp.</i>
	Owls	
51	Indian Scops-Owl(CollaredScops-Owl)	<i>Otusbakkamoena</i>
52	SpottedOwlet	<i>Athenebrama</i>
	Hoopoes	
53	Eurasian Hoopoe	<i>Upupaepops</i>
	Kingfishers	
54	CommonKingfisher (SmallBlueKingfisher)	<i>Alcedoatthis</i>
55	White-throatedKingfisher	<i>Halcyonsmyrnenensis</i>
56	Pied Kingfisher	<i>Cerylerudis</i>

	Bee-eaters, Rollers, and Allies	
57	GreenBee-eater	<i>Meropsorientalis</i>
58	Blue-tailedBee-eater	<i>Meropsphilippinus</i>
59	bee-eater sp.	<i>Meropssp.</i>
60	Indian Roller	<i>Coraciasbenghalensis</i>
	Barbets and Toucans	
61	CoppersmithBarbet	<i>Psilopogonhaemacephalus</i>
	Woodpeckers	
62	LesserGoldenbackedWoodpecker)	<i>Dinopiumbenghalense</i>
	Falcons and Caracaras	
63	EurasianKestrel(CommonKestrel)	<i>Falcotinnunculus</i>
64	PeregrineFalcon	<i>Falco peregrinus</i>
65	Diurnal raptorsp.	<i>Accipitriformes/Falconiformessp.</i>
	Parrots, Parakeets, and Allies	
66	Rose-ringedParakeet	<i>Psittaculakrameri</i>
67	Parakeetsp.)	<i>Psittaciformessp.</i>
	Cuckooshrikes	
68	SmallMinivet	<i>Pericrocotuscinnamomeus</i>
69	Black-headed Cuckooshrike	<i>Lalagemelanoptera</i>
	Old World Orioles	
70	IndianGolden Oriole	<i>Orioluskundoo</i>
71	Black-hoodedOriole	<i>Oriolusxanthornus</i>
	Vangas, Helmetshrikes, and Allies	
72	CommonWoodshrike	<i>Tephrodornispondicerianus</i>
	Ioras	
73	CommonIora	<i>Aegithinatiphia</i>
	Drongos	
74	BlackDrongo	<i>Dicrurusmacrocerus</i>
75	MonarchFlycatchers	
76	IndianParadise-Flycatcher	<i>Terpsiphoneparadisi</i>
	Shrikes	
77	Brown Shrike	<i>Laniuscristatus</i>
78	Bay-backedShrike	<i>Laniusvittatus</i>
	Jays, Magpies, Crows, and Ravens	
79	RufousTreepie	<i>Dendrocittavagabunda</i>
80	House Crow	<i>Corvussplendens</i>
81	Large-billed Crow	<i>Corvusmacrorhynchos</i>
	Larks	
82	Rufous-tailedLark	<i>Ammomanesphoenicura</i>
83	Ashy-crownedSparrow-Lark(Ashy-crowned Finch-Lark)	<i>Eremopterixgriseus</i>
84	Jerdon'sBushlark	<i>Mirafraaffinis</i>
85	OrientalSkylark	<i>Alaudagulgulararksp.</i>
	Cisticolas and Allies	
86	CommonTailorbird	<i>Orthotomussutorius</i>
87	Jungle Prinia	<i>Priniasylvatica</i>
88	AshyPrinia	<i>Priniasocialis</i>
89	PlainPrinia	<i>Priniainornata</i>
90	ZittingCisticola	<i>Cisticolajuncidis</i>
	Reed Warblers and Allies	
91	BootedWarbler	<i>Idunacaligata</i>
92	Blyth'sReedWarbler	<i>Acrocephalusdumetorum</i>

93	Warbler sp.	<i>Acrocephalus</i> sp.
	Martins and Swallows	
94	Barn Swallow	<i>Hirundo rustica</i>
95	Red-rumped Swallow	<i>Cecropis daurica</i>
96	Martin/swallow sp.	<i>Hirundinidae</i> sp.
	Bulbuls	
97	Red-vented Bulbul	<i>Pycnonotus cafer</i>
98	White-browed Bulbul	<i>Pycnonotus luteolus</i>
	Leaf Warblers	
99	Green Warbler	<i>Phylloscopus nitidus</i>
100	Greenish Warbler	<i>Phylloscopus trochiloides</i>
130	Phylloscopus warbler	<i>Phylloscopus</i> sp.
131	Lesser Whitethroat	<i>Sylvia curruca</i>
	Laughing Thrushes and Allies	
132	Large Grey Babbler	<i>Turdoides malcolmi</i>
133	Yellow-billed Babbler	<i>Turdoides affinis</i>
	Starlings and Mynas	
134	Rosy Starling	<i>Pastor roseus</i>
135	Brahminy Starling	<i>Sturnia pagodarum</i>
	Common Myna	<i>Acridothera tristis</i>
136	Asian Brown Flycatcher	<i>Muscicapadaurica</i>
137	Indian Robin	<i>Copsychus fulvatus</i>
138	Oriental Magpie-Robin	<i>Copsychus saularis</i>
139	Pied Bushchat	<i>Saxicolap aprata</i>
	Sunbirds and Spiderhunters	
140	Purple-rumped Sunbird	<i>Leptocomazeylonica</i>
141	Purple Sunbird	<i>Cinnyris asiaticus</i>
142	Loten's Sunbird (Long-billed Sunbird)	<i>Cinnyris lotenius</i>
143	Sunbird sp. (<i>sunbird</i> sp.)	<i>Nectariniidae</i> sp.
	Leafbirds	
144	Leafbird	<i>Chloropsis</i> sp.
	Weavers and Allies	
145	Baya Weaver	<i>Ploceus philippinus</i>
	Estrildids	
146	Indian Silverbill (White-throated Munia)	<i>Euodice malabarica</i>
147	White-rumped Munia	<i>Lonchura striata</i>
148	Scaly-breasted Munia (Spotted Munia)	<i>Lonchura punctulata</i>
156	Tricolored Munia (Black-headed Munia)	<i>Lonchura malacca</i>
157	Lonchuramunia sp.	<i>Lonchura</i> sp.
	Old World Sparrows	
158	House Sparrow	<i>Passer domesticus</i>
159	Chestnut-shouldered Petronia	<i>Gymnoris xanthocollis</i>
	Wagtails and Pipits	
160	Grey Wagtail	<i>Motacilla cinerea</i>
161	White-browed Wagtail (Large Pied Wagtail)	<i>Motacilla maderaspatensis</i>
162	wagtail sp.	<i>Motacilla</i> sp.
163	Paddyfield Pipit	<i>Anthus rufulus</i>
164	Tawny Pipit	<i>Anthus campestris</i>
165	Pipit sp.	<i>Anthus</i> sp.

Mammals

Sl. No.	Common Name	Scientific Name	IUCN status / Schedule
1	Indian palm squirrel	<i>Fumambuluspalmarum</i>	<i>Lower risk/III</i>
2	Grey mongoose	<i>Herpestesedwardsii</i>	<i>Lower risk/II</i>
3	Black naped hare	<i>Lepusnigricollis</i>	<i>Lower risk/III</i>
4	Indian flying fox	<i>Pteropusgiganteus</i>	<i>Lower risk/III</i>
5	Short nosed fruit bat	<i>Synopterus sphinx</i>	<i>Lower risk/III</i>
6	Indian gerbils	<i>Tateraindica</i>	<i>Lower risk/III</i>
7	Large bandicoot – rat	<i>Bandicotaindica</i>	<i>Lower risk/III</i>
8	House rat	<i>Rattusrattus</i>	<i>Lower risk/III</i>





