

SSES Amt's Science College, Congress Nagar, Nagpur

Raj Bhavan Biodiversity Park Visit

Session 2019-20



Shri Shivaji Education Society Amravati's
Science College
Congress Nagar Nagpur
Accredited with CGPA of 3.51 at A⁺ Grade



Department Of Physics

Date: 1-10-2019

All students of B.Sc. I, II, III year, M.Sc. I, II year and faculty members of physics department are hereby informed of visit Raj Bhavan Biodiversity Park, Sadar, Nagpur on 04/10/2019 at 9:00 a.m.

Interested Students are encouraged to registered their name before 3/10/2019 at physics lab to lab assistant Mr. Wankhede.

Dr. S. W. Anwane
Professor and Head
Department of Physics
Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur.

October 4, 2019: Under the auspicious of Physics Society, students (UG & PG) along with the faculty members visited Nagpur – Raj Bhavan - Biodiversity Park. In all about 145 students undergoing B Sc and M Sc programme along with teachers and supporting staff of the Department of Physics visited the Raj Bhawan, from M.Sc. and B.Sc. of the department visited along with faculty members and support staff.

Rajbhavan is an official residence of Governor of Maharashtra located in the heart of Nagpur city built in a way back in 1891. In the course of time this property was under the auspicious of (i) Chief Commissioner of Central Province, (ii) Chief Commissioner of Central Province and Berar (iii) The Governor of the Central Provinces and Berar (iv) House of the Governor of Madhya Pradesh (v) Government House of the Governor of Bombay State in 1956 and finally (vi) Government House of the Governor of Maharashtra since 1960. Sprawled over 49 Ha, thematic Biodiversity Park of the area 30 Ha is developed in the premises of this house. The Governor house generously extends an excellent opportunity of nature education for school and college students. This thematic park has been developed by Forest Development Corporation of Maharashtra Ltd. The Biodiversity Park along with thematic sections such as Butterfly garden, Herbal garden, Medicinal plant garden, Cactus garden etc. will provide an ideal opportunity for students to enrich their knowledge. The nature trail in the Biodiversity Park provides an excellent opportunity to see and understand local biodiversity.

Bombay Natural History Society (BNHS) is one of the oldest, renowned NGOs in India. BNHS through its Tiger Cell office in Nagpur runs the environmental education programme for students in the Biodiversity Park under the surveillance of Shri. Sanjay Karkare Asstt. Director, BNHS, Nagpur. Mr Amye Paranjape, a trained staff of BNHS made our visit very meaningful, informative.

The main aim of the visit was to make students understand the correlation between physics and nature. Students were excited to see the life cycle of various species of butterflies at Butterfly Garden and how it uses it's wings as solar panels to convert energy for heat. Students learnt how butterflies navigate using a time compensated sun compass and as it can see polarized light, it can orient even in cloudy conditions. Students were told about different characteristics of spiders and how it catches its prey. The idea of how strong the spider webs can be and with some inventions it can even be used as bulletproof jackets soon were learnt by students. Along with these the other spots visited at the Biodiversity park were Herbal Garden, Nakshatra Van, Bamboo Setum, Rose Garden, Nature trail, Bird attracting Species and Air-purifying species Garden. Where students got a chance to connect with nature and understand it closely.

In all, the visit was fruitful and enhanced the understanding of the physics students regarding nature, ecology, the role of the human in conservation and biodiversity etc.

Action Taken: The main objective of this visit was to explore and learn about the flora and fauna of the Raj Bhavan Biodiversity Park. Discussion on conservation efforts and sustainability were held. A debriefing session to discuss key takeaways and observations were conducted by department. Department plan follow-up activities, such as conservation initiatives or research projects. Collaboration with park authorities were held to develop future conservation projects. In this way, the department ensure a successful and engaging Raj Bhavan Biodiversity Park visit, promoting environmental awareness and conservation efforts.



Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR.



Attendance Sheet

Date : 04/10/2019

Time : _____

Event Name : Raj Bhawan Biodiversity Park Visit

Sr. No.	Name	Year	Signature
1	S. W. Anwane	Professor	
2	S. J. Dabokar	Professor	
3	Laxmi Bhatu	2nd year	
4	Kamukshi Kulcard	2nd year	
5	Smriti Bhengra	2nd year	
6	Lokita Patle	3rd year	
7	Droupati Dingale	3rd year	
8	Palani Bainsode	1st year	
9	Kalegani Hiwarkar	1st year	
10	Himshika Jain	2nd year	
11	Shreeta Wajde	2nd year	
12	Angshree Barchate	1st year	
13	Vausha Kamalwar	1st year	
14	Sardhya Duiwade	3rd year	
15	Ankita Jagdish	2nd year	
16	Anju	1st year	
17	Utkarsha Khot	2nd year	
18	Tejas Halpeddicwar	3rd year	
19	Ashlesha Gogwani	2nd year	
20	Ankita Sawarkar	2nd year	
21	Roshan Depr	3rd year	
22	Trupti Akhar	2nd year	
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**Shri Shivaji Education Society Amaravati's
Science College, Congress Nagar, Nagpur
Department of Physics**

Raj Bhavan Biodiversity Park Visit

04/10/2019

Name of Teacher : Dr. S. W. Anwane

Feedback Form

Name of Student :

-
- 1) How clear were the instructions provided for the physics activities?
 Excellent
 Good
 Average
 Poor
 - 2) How engaging did you find the physics activities?
 Excellent
 Good
 Average
 Poor
 - 3) To what extent did the activities help you grasp the key concepts ?
 Excellent
 Good
 Average
 Poor
 - 4) How appropriate were the difficulty levels of the physics activities for your current understanding?
 Excellent
 Good
 Average
 Poor

Raj Bhavan Biodiversity Park Visit



- How clear were the instructions provided for the physics activities?
- How engaging did you find the physics activities?
- To what extent did the activities help you grasp the key concepts ?
- How appropriate were the difficulty levels of the physics activities for your current

Dr A A Halder
Coordinator, IQAC
Science College,
Congress Nagar, Nagpur

Prof. M. P. Dhore
Principal
Science College,
Congress Nagar, Nagpur

