

KET'S V.G. VAZE COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)

Details of workshops/seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development during the year 2022-23

1: 1 - day workshop on "Assembly, Testing and Repairing LED"

Venue: Physics Lab

Date: 27/08/2022


Number of attendees: 60 students from FY, SY and TY BSc

Name of the Resource Person: Dr. K. G. Bhole, Indian Association of Physics Teachers, Mumbai

Brief Description of the Workshop:

The workshop was in two sessions out of which the first session included theory of LEDs and their types. The second session consisted of hands-on training of assembling LED bulb and tube light, along with guidelines on their repairing.

Poster:

Kelkar Education Trust's V.G. Vaze College 

Department of Physics
In Association with Indian Association of Physics Teachers (IAPT)
Announces One-day Skill Development Workshop on "Assembly, Testing and Repairing LED" on 27th August 2022

About the Workshop
This workshop aims in developing skill of assembling, testing & repairing of LED bulbs & tube light. Participants will understand the principle of Reuse, Reduce e- waste, and Recycling. They will be able to assemble and take home the assembled ledbulb & Tube light

Venue
Physics Department, K.E.T.'s V. G. Vaze College, Mulund (East).

Registration Fees 300 Rs only (inclusive of materials, lunch and refreshments. Register in Physics Department.

Programme Schedule
27th Aug. 2022

- 10.00 a.m. : Registration
- 10.30 a.m. : Inaugural Session
- 11:00 a.m. : Introduction of LED and assembly guidelines by Dr. K.G.Bhole
- 12.45 a.m. : Lunch break
- 1.00 p.m. : Practice session
- 2:30 p.m. : Short break
- 2:45 p.m. : Testing and demonstrations.
- 3:30 p. m. : Practice session

Organising Committee
Coordinator : Dr. Suresh Kadam ,
Head, V. G. Vaze College,
9511858716 / 9892804056

Advisory Committee:
Faculty of Physics
Department and E.C.
members of I.A.P.T., Mumbai
SS.RC. 08B

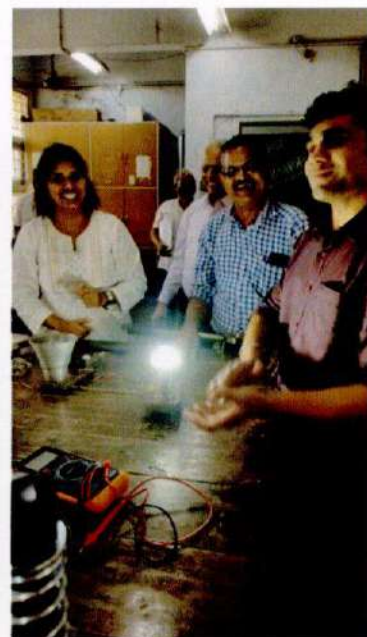
Photos:

Neelika Mehla
I.Q.A.C. CO-ORDINATOR
KET'S V.G. Vaze College of



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Principal
V. G. Vaze College (Autonomous)



2. One-day workshop on “App Based Experiments in Physics”

Venue: Auditorium, physics lab and E-learning center

Date: 07/09/2023

Time: 9:00 am to 5:00 pm

Number of participants: 25 faculties from different colleges in Mumbai

Names of the Resource Persons:

Dr. Leena Joshi, St. Xavier’s College, Mumbai

Dr. Shyamala Bodhane, St. Xavier’s College, Mumbai

Dr. Praveen Pathak, HBCSE-TIFR, Mumbai

Brief description of the workshop:



Dr. Leena Joshi gave a lecture on 'Physics Experiments with Tracker Software' followed by a practical session. Dr. Shyamala Bodhane conducted a theory and practical session on Simulator for Electronics experiments. Dr. Praveen Pathak conducted a session on Physics experiments using a smartphone.

Brochure:



Indian Association of Physics Teachers
Mumbai Sub-Regional Council

In association with

Kelkar Education Trust's V. G. Vaze College of Arts, Science &
Commerce (Autonomous), Mulund (E), Mumbai

Announces One -day Workshop on

"App Based Experiments in Physics"

About the Workshop

This workshop is a training in simulation based designing which is becoming a common practice in modern labs. The apps which will be demonstrated in the workshop, will enable students to design experiments before working out in labs or to analyse data of experiments given to them. These simulations can also be used by teachers in classrooms.

I.A.P.T. Mumbai Sub-regional council has planned a one -day workshop on "App Based Experiments in Physics" in collaboration with V. G. Vaze College, Mulund. The workshop is open to all degree college Physics Teachers.

Date of Workshop : 7th September 2022
Venue: Auditorium, K.E.T.'s V. G. Vaze College, Mulund (East)

Programme Schedule

Wednesday 7 th September 2022	
9:00 a.m.	Registration and Breakfast
9:30 a.m.	Inaugural Session
10:00 a.m.	Physics Experiments with Tracker Software - Dr. Leena Joshi, St. Xavier's College, Mumbai
10:45 a.m.	Short break
11:00 a.m.	Practice session with Tracker software
12:00 noon	Simulator for Electronics experiments - Dr. Shyamala Bodhane, St. Xavier's College, Mumbai
12.45 p.m.	Lunch Break
1:30 p.m.	Practice session for electronics experiments with simulator
2:30 p.m.	Short break
2:45 p.m.	Physics experiments using a smartphone - Dr. Praveen Pathak, HBCSE-TIFR, Mumbai
3:30 p.m.	Practice session for experiments using smartphone
4:30 p.m.	Valedictory function

Organising Committee

Coordinator : Dr. Suresh N. Kadam ,

Head, Department of Physics, V. G. Vaze College, Mulund (E) ,
9511858716 / 9892904056

Advisory Committee and E.C. members of I.A.P.T. Mumbai S.R.C.

Dr. Atul Mody , President 7774030403

Dr. K. G. Bhole , Secretary 98205 51156

Ms. Rekha Ghorpade , Gen Secretary 9833569505

Dr. Shyamala Bodhane, Treasurer 98693 36624

Ms. Hemalatha Deshpande Member 9324620547

Mr. Mahesh Shetti , Wilson college 91672 09329

Ms. Sushmita Meta , member 98674 98395

Dr. P. K. Joshi , HBCSE-TIFR 9969000848

Registration Fees: Rs 300 only (inclusive of study materials ,lunch and refreshments

Pay the fees through NEFT to the given bank account

Upload the image of transaction ID/receipt received from the bank in the registration form (link is given below)

Bank account details :

Name of the bank : Bank of Maharashtra

Branch: T H K Marg, Mahim, Mumbai

Name of the account : IAPT Mumbai Sub-regional Council

Account number: 20073818794

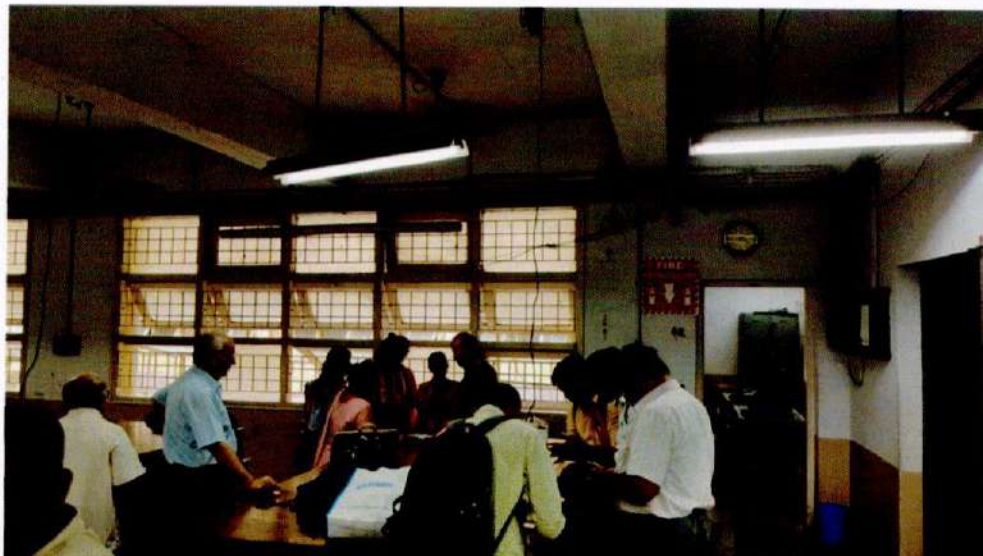
IFSC: MAHB0000093

Note: The registration will not be accepted without transaction ID.

Last date for registration : 5th September 2022



Photos:



3: Hands-on training workshop on “Plant Tissue Culture, Green House & Nursery Management”

Date: 16th-17th September, 2022

Name of the Resource Person:

Prof. (Dr.) Ajit Kengar

Dr. Supriya Thale

Mr. Jatin Vaity

Dr. Rajani Shirsat

Ms. Siddhi Baskaware

Brief Description of the Workshop:

The workshop was conducted to give each student hands-on training in various aspects of plant tissue culture like sterilization, stock preparation, media preparation and seed inoculation. They were also taken to Govind Sudha Nursery for visit wherein they learnt about different propagation and nursery management techniques.

Number of attendees:



Students: 27

Teaching staff: 05

Administrative staff: 04

Feedback Analysis:

Feedback was collected via google forms. Students appreciated the work carried out in the workshop. They gave positive feedback and showed interest in participating in similar workshops in future.

4: Hands on training Workshop on Bioinformatics

Date: 17th February 2023

Name of the Resource Person: Prof. (Dr.) Ajit Kengar (Head, Department of Botany)

Brief Description of the Workshop:

In Workshop session, Prof. Dr. Ajit Kengar were the provided hand on training to the students. He explained a detailed theory of Bioinformatics. Its importance and applications in research studies. The search engines such as Rasmol, SpDAV. The instructions for the structural and molecular analysis of Proteins and Amino acid were taught in a simple manner. In second session, Phylogenetic analysis was discussed with appropriate examples. The study material was provided to the participants in the form of notes and flowsheet charts. During the interval session a visit to Scientific research center and Green House of the College Campus were conducted by Assistant Prof. Jatin Vaity. He oriented students for ongoing research in the center. Its industrial importance and scope in the subject.

Number of attendees: 22

Poster:

KET'S V.G. VAZE COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS), MULUND (E), MUMBAI

DEPARTMENT OF BOTANY

organizes a

HANDS ON TRAINING WORKSHOP ON BIOINFORMATICS

Date : 17 February, 2023
Time : 9:00 am to 5:00 pm

Venue :
E-Learning lab, 1st Floor

Limited Seats (Maximum 25)
Registration fee - Rs. 100 only
Open for Faculties and Students of life sciences
E-Certificate will be provided to all.

For Queries Contact : Mr. Jatin Vaity (9773733203)
Dr. Rajani Shirsat (8169368605)

Prof. (Dr.) Ajit Kengar CA. Anil Nalk Prof. (Dr.) Preeti Nilesh

VAZE CO

5: Guest Lectures For "Careers in Life Sciences"

Date: 23rd February 2023

Name of the Resource Person: Dr. Sudhir Khodwekar and Mr. Varad Patankar.

Number of attendees:

Students: 59

Teaching staff: 07

Administrative staff: 04

Brief Description of the Workshop:

The Departmental activity included two guest lectures - one by Dr. Sudhir Khodwekar and the other by Mr. Varad Patankar. First lecture was held in online mode whereas the second lecture was held in offline mode. The purpose of organizing these lectures was to enlighten the students about the new avenues and opportunities available in the field of Plant Sciences. The students got an opportunity to interact and gain knowledge from skilled personnel.

Feedback Analysis:

Feedback was collected in google forms. The participants gave very positive feedback regarding the workshop. They enjoyed the workshop and insisted the department organize more such workshops giving ideas in home decors and also plants which can be used.

Feedback form Link:

https://docs.google.com/forms/d/1dh3cu0qUPxSbnOu0NCdqPyl0WTrHbw34M1nQ_2g71rE/edit

Poster:

KET'S V. G. VAZE COLLEGE OF ARTS, SCIENCE AND COMMERCE, (AUTONOMOUS) MULUND EAST, MUMBAI - 81

Department of Botany
ORGANIZES
GUEST LECTURES
BY

DR. SUDHIR KHODWE
SENIOR RESEARCH SCIENTIST,
GENEPATH DIAGNOSTICS
ON
"JOURNEY OF RESEARCH IN
MOLECULAR BIOLOGY"

&

MR. VARAD PATANKAR
JR. EVALUATOR - FABRIC CARE,
KEVALA FRAGRANCES, FLAVOURS &
AROMA INGREDIENTS
ON
"BEAUTY OF PLANTS TO PERFUMERY"

23rd February 2023
Time: 12 noon

•Certificates will be provided. Registration is compulsory.

Venue: 1st floor Auditorium
Registration Link:
<https://forms.gle/6LxxTZRQek5EkDu69>

Prof. (Dr.) Ajit Kengar
Head,
Department of Botany

CA Anil Naik
Vice Principal,
Degree College

Prof. (Dr.) Preeti Nileshe
Principal

6: Guest Lecture on "Role of IT in "Bioinformatics"

Date: 3rd March, 2023

Name of the Resource Person: Ms. Rakhee Rane

Brief Description of the Workshop:

The resource person gave a brief idea about the use of Information Technology in the field of Bioinformatics, an interdisciplinary approach. Its importance and applications in research studies. She also introduced various software and E-resources that can be used for the Bioinformatic studies.

Number of attendees: 20

Feedback Analysis:

Feedback was collected in google forms. The participants gave very positive feedback regarding the workshop. They enjoyed the workshop and insisted the department organize more such workshops giving ideas in home decors and also plants which can be used.

7: Guest lecture on "Opportunities in Basic Sciences and Frontier Research Areas"

Date: 23rd August, 2022

Time: 9.30 am

Names of the Resource Persons: Dr. Dimple Dutta, Dr. Sandeep Nigam, Dr. Shraddha S Desai, Dr. Himlal Bhatt, Dr. Asim Pal, Dr. Sugam Kumar, Dr. Adish Tyagi, Dr. Vinita Grover Gupta, Dr. Sharmistha Dutta Choudhury, Dr. Hira Kendu Basu, Dr. Sudhir Singh, Dr. Anand G. Majumdar, Dr. Ganesh Pai, Dr. Anand G. Majumdar, Dr. Dr. P. C. Selvin

Number of attendees: 320

Brief description:

On the occasion of Celebration of Azadi Ka Amrit Mahotsav (AKAM), 2022 dept. of chemistry organised, An Interactive Session for Science Students and Faculty members on "Opportunities in Basic Sciences and Frontier Research Areas" by the eminent Scientists from Department of Atomic Energy (DAE), Govt. of India - Bhabha Atomic Research Centre (BARC).

8: A Talk on Make a Global Clinical Research Career

Date: 5th Jan 2023

Venue: Radhabai Vaze Auditorium

Time: 10:45 am

Resource Person: Mr. Shailesh Shetty, Assistant Manager- Pharmacovigilance services - Quality & Audit at Astrazeneca Pharma India Limited

Number of attendees: 80

9: Guest lecture on "Frontiers in Zoology"

Date: 13th January, 2023



Name of the Resource Person:

Dr. B. B. Sharma, Dr. Harsh Sharma, Ms. Grishma Kastle, Ms. Prerana Gawade, Mr. Pranay Khadanga, Mr. Omkar Patil

Brief Description of the Workshop:

The Department of Zoology has organised a lecture series titled "Frontiers in Zoology" on 13th January, 2023 in Hybrid mode. Total 6 speakers have been invited for the talk out of which 5 speakers were our own alumni. In the inaugural talk, Dr. B. B. Sharma explained the various prospects in zoology which can be explored by the students after their graduation or post-graduation. Dr. Sharma also highlighted the scope of Zoology in non-science fields like public services, entrepreneurship, etc. and encouraged students to think on those aspects. In the lecture by Dr. Harsh Sharma, students were informed about the career opportunities in the USA and guidance was given to the students regarding the procedures to apply for the various US based firms. Dr. Harsh was kind enough to share his email ID with the students as a result of which many students are in contact with him currently, pursuing their dreams to set their career in the USA. Ms. Grishma Kastle has given the glimpse of COVID-19 research going on in IISER-Kolkata laboratory. She also told the students how she had cleared the various entrance examinations like CSIR-NET-JRF, GATE, etc. and pursued her career in the area of biomedical sciences. Mr. Pranay Khadanga has given a talk on bird census activities and related projects going on in BNHS and highlighted the scope of zoology graduates in the area of biodiversity studies. Ms. Prerna Gawade has also demonstrated her work on the coral reefs in Lakshadweep and informed the students about the enormous opportunities in the field of marine biology. Mr. Omkar Patil has explained the significance of the pet care industry and highlighted the growing market, popularity, and opportunities in various D2C pet care brands. After every talk, the speakers have interacted with the students to solve their doubts and answer their questions that lead to a day-long fruitful discussion for the career planning of the students.

Poster:

KELKAR EDUCATION TRUST'S
V. G. VAZE COLLEGE OF ARTS, SCIENCE AND COMMERCE
(AUTONOMOUS), MULUND EAST

DEPARTMENT OF ZOOLOGY
organizes

A LECTURE SERIES ON
FRONTIERS IN ZOOLOGY

Let's Come Together & revisit zoology through the success stories of our shining alumni!

Inaugural Talk by Dr. B. B. Sharma
(Secretary, Kelkar Education Trust)
Topic: Career opportunities in Zoology

Dr. Harsh Sharma
(Masters of Public Health, Lomalinda University, US; BDS Mumbai)
Topic: Prospects of Life Sciences in USA

Ms. Grishma Kastle
(PhD Research Scholar, IISER-Kolkata)
Topic: Animal Models in Coronavirus Research

Mr. Pranay Khadanga
(Research Scholar, BNHS)
Topic: Wintering wings of Mumbai

Ms. Prerana Gawade
(Senior Programme Associate – Sustainable Fisheries, Dakshin Foundation)
Topic: My Journey as a Marine Sciences Researcher

Mr. Omkar Patil
(Brand Manager, Papa Pawsome)
Topic: Business Overview of Pet Care Brand: D2C Perspective

Date: Friday, 13th January, 2023
Time: 11:00 am – 2:00 pm
Venue: Mini Auditorium (1st Floor)

Dr. Vinod R. Ragade
HOD, Dept. of Zoology

CA Anil Naik
Vice-Principal

Prof. Dr. Preeti Nilesh
Principal



Link to the Workshop:

<https://us02web.zoom.us/j/81523389931?pwd=Y2xxYVZqRG43a2t1aTdwCtWbktRZz09>

Photos:



10: Exhibition titled, "Calls of the Forest", an audiovisual exhibition of fauna sighted during Zoology excursions

Date: 21st March, 2023

Time: 11.30 am onwards

Number of participants: 15



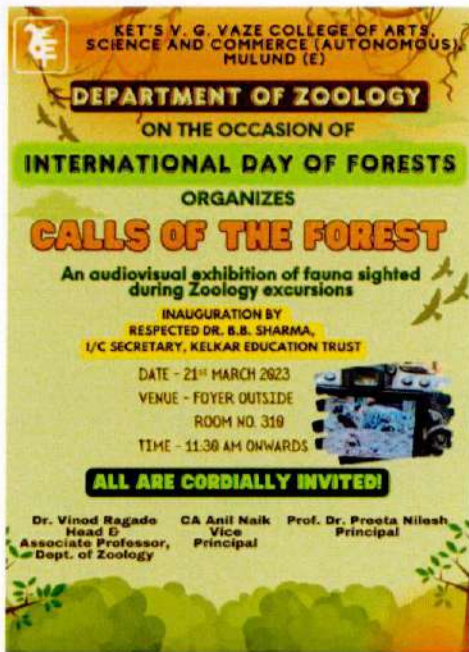
The Zoology exhibition was initiated by Dr. Vinod R. Ragade, Mr. Akshay Bagwe with the coordination of the staff members of the Zoology department. The Inauguration of the exhibition was done by Dr. B. B. Sharma at 11.30 am in the presence of Head of Zoology department, Dr. Vinod Ragade, Dr. S.S. Barve, staff of the Zoology department and students of various disciplines. The volunteering for the exhibition was done by the students of M.Sc.-II Zoology from the arrangement of the photographs and managing the activity in a synchronising manner under the supervision of Dr. Akshay Bagwe.

The data documentation of the fauna of the sightings was sorted by staff members, Dr. Preetha Achary and Mr. Akshay Bagwe, TYBSc student-Mr. Shubham More and video vlog of the Pench excursion was put forward by TYBSc student- Ms. Harsha Gupta. The QR Barcode of bird call and animal sounds was initiated and put forward by Dr. Preetha Achary. The data of bird calls was sorted by Mr. Shubham More. The photographs of the fauna with the QR barcodes of communication, threatening/ alarm, warning and calls of various fauna observed during Zoology excursions at Pench and Alibaug were displayed in a systematic manner. The scientific name and common name of each species were highlighted to identify through direct observation and the animal sounds or the bird calls were inculcated to make the visitors aware of nature's mesmerising and amazing voices of communication and highlight animal behaviour.

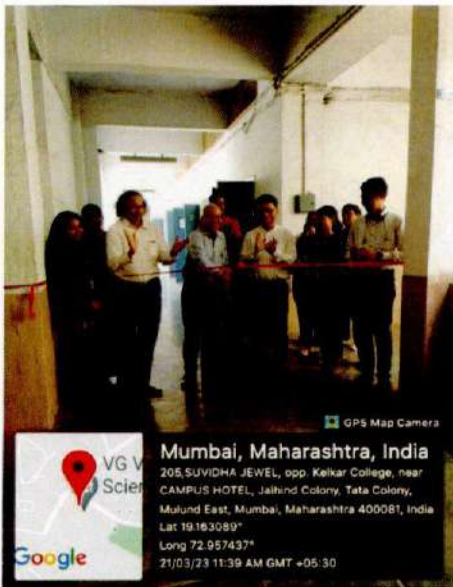
The exhibition was visited by Principal Prof. Dr. Preeta Nilesh, CA Anil Naik, Dr. Adhir Ambavane, Dr. Vaishali Dhammapathee, Mr. Paritosh Pawar, students of different departments, which made the event a successful Interdisciplinary activity of the Zoology department.

Checklists of the fauna for the Zoology Exhibition:

SR. NO.	SCIENTIFIC NAME	COMMON NAME
1.	<i>Charadrius mongolus</i>	Lesser sand plover
2.	<i>Eudynamys scolopaceus</i>	Asian koel
3.	<i>Pycnonotus leucotis</i>	White eared bulbul
4.	<i>Lonchura punctulata</i>	Scaly-breasted munia
5.	<i>Vanellus indicus</i>	Red-wattled lapwing
6.	<i>Amandava amandava</i>	Red avadavat
7.	<i>Lanius cristatus</i>	Brown shrike
8.	<i>Gracupica contra</i>	Indian pied myna
9.	<i>Halcyon smyrnensis</i>	White-throated kingfisher
10.	<i>Spilopelia chinensis</i>	Spotted dove
11.	<i>Pastor roseus</i>	Rosy starling
12.	<i>Merops orientalis</i>	Asian green bee-eater
13.	<i>Gelochelidon nilotica</i>	Gull billed tern
14.	<i>Accipiter badius</i>	Shikra
15.	<i>Butastur teesa</i>	White eyed buzzard
16.	<i>Anthracoceros coronatus</i>	Malabar pied hornbill
17.	<i>Pavo cristatus</i>	Indian peafowl
18.	<i>Ichthyophaga ichhyaetus</i>	Grey headed fish eagle
19.	<i>Mycteria leucocephala</i>	Painted stork
20.	<i>Megalaima zeylanica</i>	Brown-headed barbet
21.	<i>Psittacula cyanocephala</i>	Plum-headed parakeet
22.	<i>Strix ocellata</i>	Mottled wood owl
23.	<i>Canis aureus</i>	Golden Jackal
24.	<i>Panthera tigris tigris</i>	Bengal tiger
25.	<i>Panthera pardus</i>	Leopard
26.	<i>Rusa unicolor</i>	Sambar deer
27.	<i>Bos gaurus</i>	Indian bison
28.	<i>Sus scrofa</i>	Wild boar
29.	<i>Axis axis</i>	Spotted deer
30.	<i>Chamaeleo zeylanicus</i>	Chameleon



Geotagged Photographs/Screenshots:



Reeta Mehla

**I.Q.A.C. CO-ORDINATOR
KET'S V.G. Vaze College of
Arts, Science and Commerce**



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