



Kelkar Education Trust's

V. G. Vaze College of Arts, Science & Commerce (Autonomous)

Mithagar Road, Mulund (East), Mumbai - 400 081.

Re-Accredited (4th Cycle) by NAAC with "A" Grade

3.3.2- Reports of the Workshops and Seminars (Science)

1. Title: Hands on Training Programme on "Everything About LED"

Date: 16/02/2022

Name of the Resource Person: Dr. K. G. Bhole, Former Vice-Principal & Head Department of Physics, V.G.Vaze College, Mulund, Mumbai

Brief Description of the Workshop:

As LED is the heart of every modern electronic component. Due to its low cost and maximum output in compare with convectional light sources everywhere we are finding LED is presence. But its maintenance is very important for its use over long period of time. In this hands on training programme which was carried out in two sessions, first session gave information about the development in the LED and in second session which was practical session students got the idea about to test LED and its components. Secondly depending upon the requirement how to calculate wattage requirement and how to calculate it. The resource person gave information about small things for the smooth functioning of LED at homes to enhance its life spam

Number of attendees: 22

Neeta Mehta

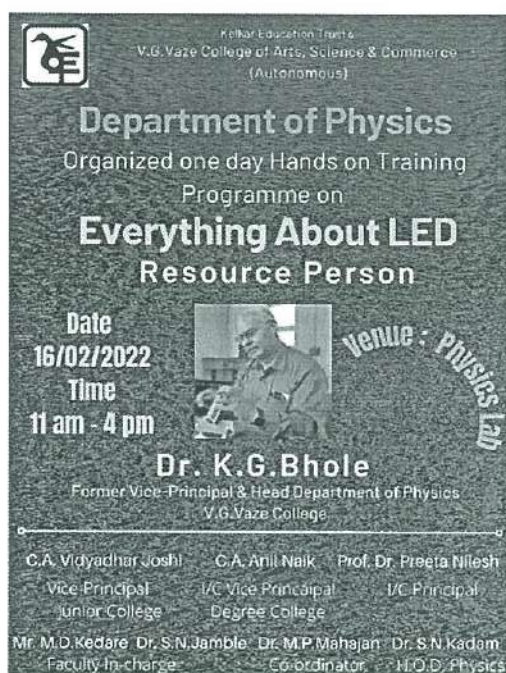
I.Q.A.C. CO-ORDINATOR
KET'S V.G. Vaze College of
Arts, Science and Commerce
Mulund (E), Mumbai-400 081.



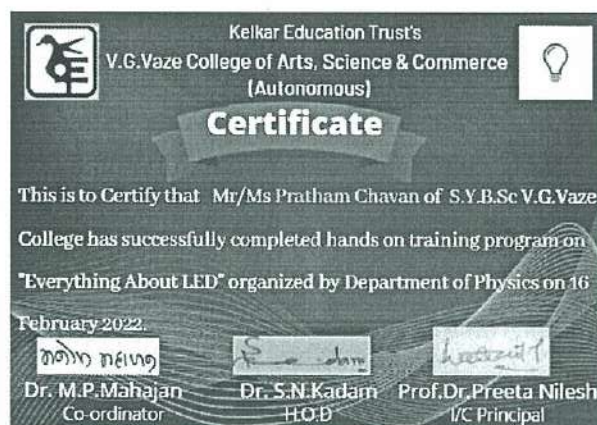
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V/c Principal
V. G. Vaze College (Autonomous)
Mulund (E), Mumbai - 400 081.

Poster:



Certificates (Please paste the image of one of the certificates issued)



Link to the Workshop: Offline

2. Title: Hands on Training: Arduino & Python

Date: 25/02/2022

Name of the Resource Person: Mr. Aditya Kore & Mr. Utkarsh Hadge, T.Y.B.Sc Physics Students

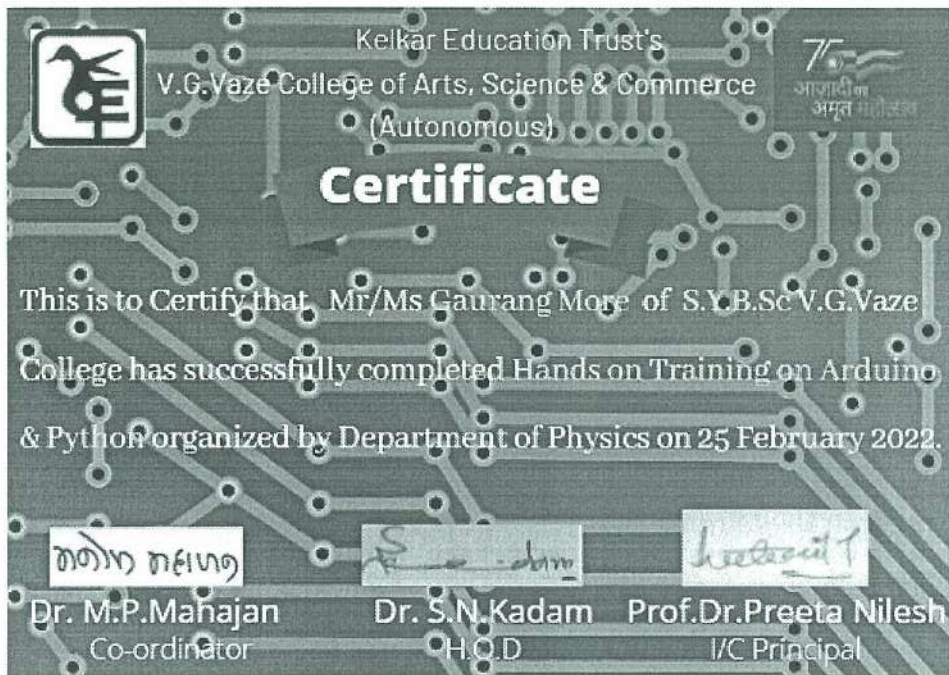
Brief Description of the Training Programme:

The basic idea in organizing this training programme was to introduce a upcoming programming language PYTHON to our undergraduate students. In the first session along with the theory session students got chance to learn how to write a programme in python as well as how to execute it. The second session was about arduino where students learnt how to code given arduino board to perform different applications depending upon requirement.

Number of attendees: 17

Poster

Certificates (Please paste the image of one of the certificates issued)



Link to the Workshop: **OFFLINE**

3. Title: Detection Techniques of General Exoplanets

Date: 28/02/2022

Name of the Resource Person: Dr. Vinita Navalkar, Science Writer at Journal of Visualized Experiments, Mumbai

Brief Description of the Webinar:

This webinar was organized on occasion of National Science Day. The basic aim of this webinar to developed interest about science among students. In astronomy day by day new planets have been added to our solar system and what are techniques were used to detect such Exoplanets were explained by the resource person. Dr. Vinita Navalkar also explained about where these facilities are available for students to visit

Number of attendees: 20

Poster



Certificates (Please paste the image of one of the certificates issued)



Link to the Workshop:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjhiMzM3ZGIOTg1Mi00NzdILWJmMzgtNzI1ZjVmYTk1ZWUw%40thread.v2/0?context=%7b%22tid%22%3a%2260432f7d-cfb7-4200-a6b8-f755e8d6aa44%22%2c%22oid%22%3a%221cacb296-8d68-4d05-91ba-8293117b4c33%22%7d

4. Title: Workshop on Intellectual Property Rights

Date: 26th 28th Feb, 3rd March, 2022

Name of the Resource Persons: Dr Priyanka Adate and Adv. Rishabh Vora

Number of Attendees: 20

Brief Description of the Workshop:

Three days workshop was conducted on intellectual property rights. The resource person were Dr. Priyanka Adate deputy manager S.H. Kelkar company and Adv. Rishabh Vora Nashik practising in the district court.

We have received overwhelming response from the students.

Poster:

KET'S V.G. Vaze College of Arts, Science & Commerce (Autonomous)
Department of Chemistry
Organises
Lecture Series
On
'Intellectual Property Rights (IPR)'

Offline lectures : Venue : College Auditorium (1st Floor)
Saturday, 26th February 2022

Lecture 1 : 10.00 am - 12.30 pm
Lecture 2 : 1.30 pm - 4.00 pm

Online lectures : Google meet platform

Monday, 28th February 2022

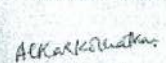
Lecture 3 : 5.00 pm - 7.00 pm

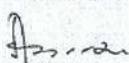
Thursday, 3rd March 2022

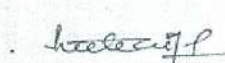
Lecture 4 : 5.00 pm - 7.00 pm

Resource Persons:

- Dr. Priyanka A. Adate, M.Sc., Ph.D,
Deputy Manager, S. H. Kelkar Company
- Adv. Rishabh R. Vora, B.Sc. (Biochemistry), LLB, PGD-IPRM,
Advocate, Nashik District & Sessions Court


Dr. Alka R Kolhatkar
HOD, Chemistry


CA Anil Naik
Vice-Principal


Prof (Dr.) Preeta Nilesh
I/C Principal

5. **Title:** Learning the aesthetic art of creating a Bottle Garden

Date: 9th March 2022

Name of the Resource Person: Mr. Suyash Singh

Brief Description of the Workshop: The workshop was organised to give hands-on training to the students, teaching staff and administrative staff the art of preparing Bottle gardens in order to décor their house. The workshop was held in collaboration with the Women's Development Cell.

Number of attendees: 54

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 organise more such workshops giving ideas in home decors and also plants which can be used.

Poster:

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

**Women Development Cell
&
Department of Botany
organize a Workshop on**

Learning the aesthetic art of creating a Bottle Garden

Time to Relax, Refresh and Rejuvenate, join us in creating a bottle garden to decorate your home.

Date : 9th March 2022
Day : Wednesday
Time : 11:00 am
Venue : Biology Lab

Registration Link :
<https://forms.gle/m6PehkH6xY98cuYZ6>

Dr. Shruti Kakodkar
Convener (Degree College)
Women Development Cell

Prof. Dr. Ajit Kengar
Head
Department of Botany

CA Anil Naik
Vice-Principal
(Degree College)

Prof. Dr. Preeti Nilesh
I/C Principal

Link to the Workshop: Workshop was conducted OFFLINE

Geotagged Photographs:



6. Title: Hands-on training workshop on “Plant Tissue Culture techniques”

Date: 2nd March to 4th March 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 organ culture.

Number of attendees: 19

Feedback Analysis: Collected google forms. Students appreciated the work carried out in the workshop. They gave positive feedback and showed interest in participating in many such workshops.

Link to the Workshop: Workshop was conducted OFFLINE

Geotagged Photographs:



Photo of the Notice Circulated (having Authority Signature)

05-03-2022

KET's V.G. Vaze college of Arts, Science and Commerce (Autonomous),
Mithagar Road, Mulund (E.), Mumbai-81

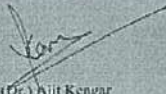
Notice

Department of Botany

Department of Botany has organised a workshop on "Plant Tissue Culture" on 10th March 2022. 13th March 2022.

Time: 10:00 am-5:00pm

Venue: Biology Laboratory



Prof. (Dr.) Ajit Kengar

Head of Department of Botany
HEAD DEPT. OF BOTANY
KELKAR EDN. TRUST'S
V. G. VAZE COLLEGE OF
ARTS SCIENCE & COMMERCE
MULUND (EAST) MUMBAI-81



HEAD DEPT. OF BOTANY
KELKAR EDN. TRUST'S
V. G. VAZE COLLEGE OF
ARTS SCIENCE & COMMERCE
MULUND (EAST) MUMBAI-81



7. Title: Hands on Training Workshop on “Animal Research with special reference to Human Pathology”

Date: 21st and 22nd March, 2022

Name of the Resource Person:

- 1) Dr. B.B. Sharma
- 2) Dr. Vinod R. Ragade
- 3) Dr. Kiran R. Kharat
- 4) Dr. Preetha Achary
- 5) Ms. Veena Menon
- 6) Dr. Abhay Morajkar
- 7) Mr. Akshay Bagwe

Brief Description of the Workshop:

The Workshop on ‘Animal Research with special reference to Human Pathology’ organized by the Department of Zoology under DBT STAR Scheme was inaugurated on 21st March, 2022 by I/C Principal, Prof. Dr. Preeti Nilesh. The introductory speech to the event was conducted by Dr. B.B.Sharma, Dr. Barwe, Dr. Ajit Kengar followed by brief summary of the event by Head of the Department of Zoology, Dr. Vinod R. Ragade and coordinated by Dr. Kiran R. Kharat.

Day1: 21st March, 2022

The Workshop was based on the current advances in Science and Technology pertaining to the medical field in relevance with the hands-on-training and Research perspectives. The lecture on ‘Neuroscience’ was conducted by Dr. B.B.Sharma, who had expertise in the field of Zoology and is a part of our Zoology Team. The students took keen interest in understanding the basic concept and analysing the complexity of the mechanisms in Neuroscience. The hands-on-training on ‘Medical Technology’ by Dr. Abhay Morajkar had explored the Applications-based study in Pathology and Clinical Study. The instrumentation and methodologies pertaining to Medical Technology generated curiosity amongst the students to enhance their knowledge with reference to career aspects and academics. The lecture on ‘Digital Pathology’ was conducted by Ms. Veena Menon to focus upon the discovery and the recent trends in Pathology and create awareness in the students to reconnoitre the advanced techniques and their applications. The Molecular Biology is a vast topic as a part of Zoology, in which Polymerase Chain Reaction (PCR) is a noteworthy molecular tool used even in the COVID pandemic, due to which it was significant to inculcate the methodology and its application amongst the students. The Demonstration of PCR Technique was conducted by Dr. Kiran R. Kharat and assisted by Mr. Akshay Bagwe, in which Research orientation was also included to generate interest in the research field.

Day2: 22nd March, 2022

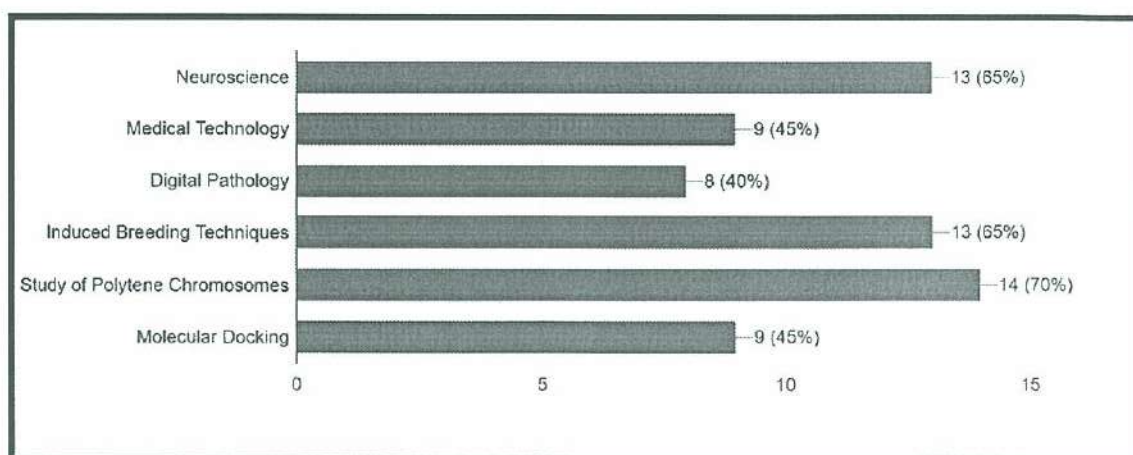
The lecture series was based upon the innovative topics in different arenas in Zoology. The topic ‘Induced Breeding Techniques’ was conducted by Dr. Vinod R. Ragade, in which the current methodology and research perspectives were covered as Oceanography was one of

the specialisations in the Master's Program in Zoology. The lecture also inculcated the knowledge of Entrepreneurship and Career Development in Zoology, which proved beneficial to the students. The Hands-on-Training on 'Study of Polytene Chromosomes' was conducted by Dr. Preetha Achary, in which introduction to the practical component was inculcated through presentations and question and answer sessions. The *Chironomous* Larvae Handling used as an animal model system was demonstrated, followed by the technique to extract its Salivary glands and staining procedures to analyse the Polytene Chromosomes. The hands-on-training has an optimistic advantage to observe and practise the techniques in an effective way, which had an impact on the students to inculcate the knowledge about Animal handling, Staining Methodology and Chromosomal study. The topic on 'Study of Morphology of Daphnia' was conducted by Dr. B.B.Sharma with demonstration on identification of morphology of Daphnia through microscope and further research implications on Daphnia, especially used in Toxicity studies. The students were well versed with the structural differences in Daphnia. The innovative concept of 'Molecular Docking' was conducted by Mr. Akshay Bagwe, which had made students acquainted with the online tools and software in Molecular Docking and created awareness about the modules used. The students were attentive and enthusiastic to doubt solving sessions and applications of Molecular Docking with reference to research attributes.

The Workshop eliminated the barrier of online teaching and successfully implemented a positive impact on the hands-on-training with modules, which trained the students in a systematic and promoted experiential learning. The team work, leadership qualities, doubt solving ability, perseverance and communication skills amongst the faculties, non-teaching staff and students formulated the Workshop as innovative and productive in terms of knowledge and practical implications.

Number of attendees: 20

Feedback Analysis:



Poster:

The poster is for a workshop organized by the Department of Zoology at V.G. Vaze College of Arts, Science & Commerce. It features a header with the college's name and accreditation details, a central title for the workshop, and a footer with the names of the organizers. The design includes icons of a microscope and a brain, and a decorative border of dots.

The Keshar Education Trust's
V.G. Vaze College of Arts, Science & Commerce
(Autonomous)
Mithagar Road, Mulund (East) Mumbai - 400081
Re-accredited (5th cycle) by NAAC with "A" grade | CPE

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Azadi Ka
Amrit Mahotsav

**Department of
Zoology**
Under DBT Star Scheme

ORGANIZES
**Hands on Training
Workshop on
"Animal Research with
special reference to Human
Pathology"**

DATE - 21ST & 22ND MARCH 2022
TIME - 11:30 AM TO 03:00 PM
VENUE - BIOLOGY LAB

CA Anil Naik
Vice Principal

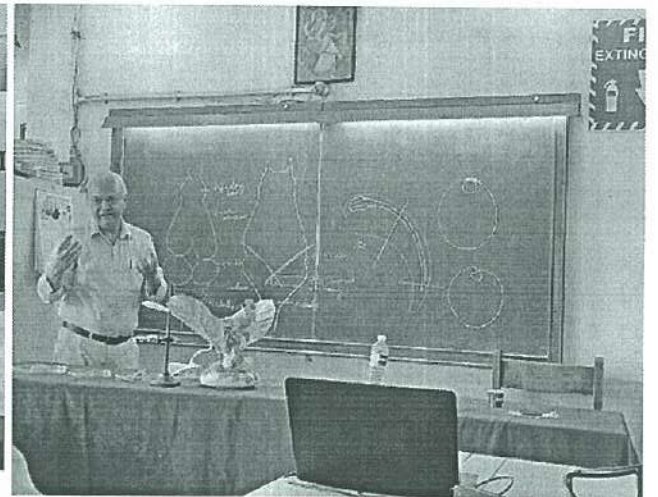
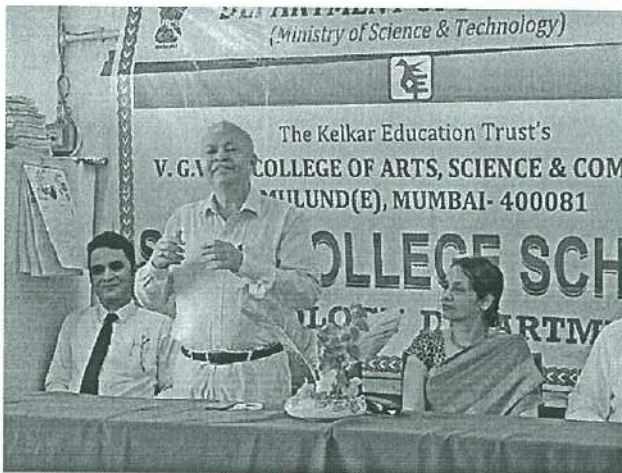
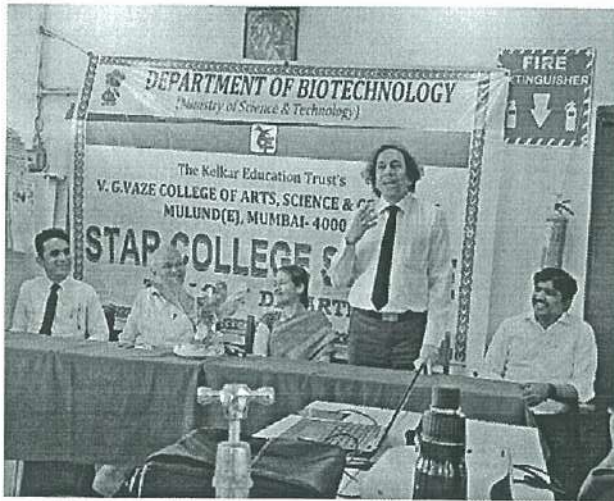
Prof. (Dr.) Pranita Nilesh
I/C Principal

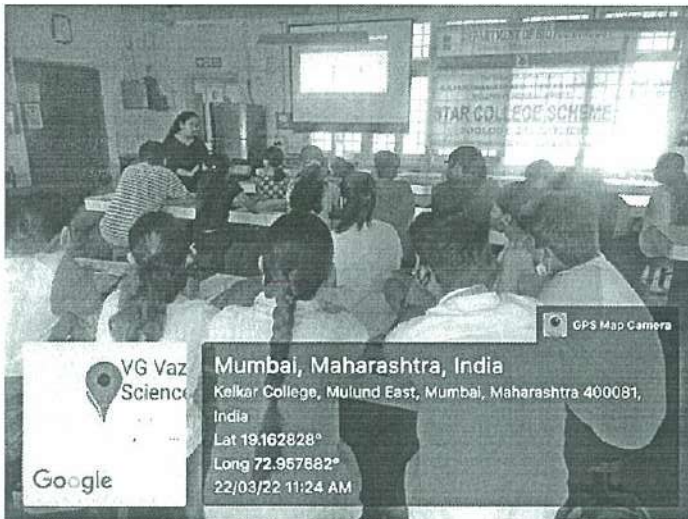
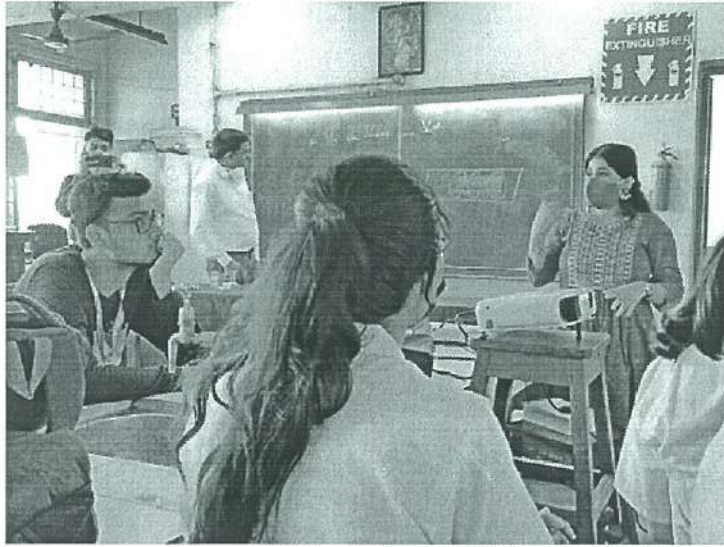
Dr Vinod R Rogade
Head and Associate Professor
Department of Zoology

Certificates (Please paste the image of one of the certificates issued):

Link to the Workshop: NA

Geotagged Photographs/Screenshots:





Neta Mehla

I.Q.A.C. CO-ORDINATOR
KET'S V.G. Vaze College of
Arts, Science and Commerce
Mulund (E), Mumbai-400 081.



Sheetal

V/c Principal
V. G. Vaze College (Autonomous)
Mulund (E), Mumbai - 400 081.