



Bharatiya Vidya
Bhavan

Bhavan's Vivekananda College

of Science, Humanities & Commerce
Autonomous College - Affiliated to Osmania University
Accredited with 'A' grade by NAAC
Sainikpuri, Secunderabad - 500094



NAAC RE-ACCREDITATION - 2ND CYCLE

**Criterion II: -
Teaching
Learning and
Evaluation**

2.3.1
STUDENT CENTRIC
METHODS

Submitted to

National Assessment and Accreditation Council

B.Law Assignment

Case Study on Copyrights

Topic - Fox News v/s Tv Eyes

2019-20
BBA
6th sem

Fox News v. TVEyes

A case concerning whether TVEyes' subscription service allowing users to view, download, and email ten-minute clips of Fox's programming qualified as fair use.

The TVEyes' service, which was available for \$500 a month to businesses, governments, and professionals (but not for personal use), offered recorded programming 24/7 from over 1,400 television and radio stations. It also compiled the recorded programs into text-searchable databases. Subscribers could search the database by keyword, or by date and time, and could then watch, archive, download, and email the ten-minute-long clips contained in the search results. The District Court held that the function in TVEyes' service that enabled subscribers to search for videos and clips using keywords ("Search Function") and the functions that allowed subscribers to watch, archive, and share relevant clips with others ("Watch Function") were both allowed under the fair use exception. The District Court held that the functions that allowed TVEyes' subscribers to download and freely email clips or to watch clips obtained by using search functions other than by keywords were not fair use. Fox appealed the decision relating to the Watch function to the Second Circuit Court of Appeals, and the Second Circuit reversed the District Court's finding of fair use on the Watch Functions, and remanded the case to the District Court to revise the injunction in light of its fair use ruling.

In its fair use analysis, the Second Circuit undeniably regarded the fourth factor concerning potential market harm as the "single most important element of fair use" and weighed in favor of Fox. Further, the Court found that TVEyes displaced revenue that Fox should have earned on its work, and further determined that, instead of properly licensing from Fox, TVEyes distributed and provided access to Fox's content without licensing, therefore depriving Fox of the opportunity to get properly paid undermining the basic rule of copyright law that a copyright owner is entitled to control how to license (if at all) to those who want to use the work. The Court stated that, since "the ability to re-distribute Fox's content in the manner that TVEyes does is clearly of value to TVEyes, it (or a similar service) should be willing to pay Fox for the right to offer the content." The Court concluded by noting that "TVEyes had usurped a function for which Fox is entitled to demand compensation under a licensing agreement," and weighed this factor in favor of Fox. TVEyes subsequently filed a petition for certiorari with the Supreme Court, which the Court recently denied.

CONCLUSION

Fox News Network sued TVEyes, Inc. for copyright infringement for its service which copies broadcasts from over 1,400 TV and radio stations 24/7 – including Fox networks – and distributes the content to subscribers, who may then download, watch, or share video clips.

The Second Circuit Court of Appeals reversed the finding of fair use on the Watch Functions and remanded the case to the District Court to revise the injunction in light of its fair use ruling. It weighed most of the fair use factors against TVEyes, and noted that the fourth fair use factor regarding potential market harm was the “single most important element of fair use.”

On December 3, 2018, the Supreme Court denied certiorari.

-

Done by

A.Chandraprakash Reddy (28)

Disha Patel (32)

G.Akshi Patel (33)

L.Hrithik Kumar (36)

Nidhi Saraf (40)

K.Yashwanth (52)

Mock Court

Mock Court

1. Name of the Event: Mock Court
2. Date of the Event: 02-02-2018
3. Students: BA I, II, and III.
4. Practical Knowledge: Working of Higher Judiciary.
5. Case Heard: "Right to Privacy."

A Mock Court was organised by the Department of Political Science by BA students and the students witnessed the working procedure of the Supreme Court of India.

1. It provided knowledge about the working of the Judiciary, division and constitutional bench.
2. It provided scope to the students to prepare the petition and to understand how to present/plea before the Hon'ble Court.
3. It helped them to know values required while articulating the grievances and prosecuting the accused.
4. It created awareness about the procedure to access to justice and the role of the judiciary in dispensing justice.
5. It created awareness on skill requirement and career avenues in Judiciary.



Bachelor of Arts (BA)
Department of Political Science

1. **Date:** 09-12-2016
2. **Event:** "Mock Parliament".
3. **Venue:** Seminar Hall: Bio-Chemistry Block
4. **Aims and Objectives** of the Mock Parliament:
 - i. An understanding of parliamentary law making process and Encouraging students to participate in academic activities.
 - ii. Pursuing for employability in Political institutions and in other administrative organization.
 - iii. Creating awareness on Parliamentary proceedings.
 - iv. Skill enhancement in decision making.
5. **Participants:** BA I, II and III year Students.
6. **Judges:** Prof.Y.Ashok, Principal, Bhavan's Vivekananda College and Mrs.N.Padmalata, Department of Commerce, BVC.
7. **Outcome of the Event:**
 - i. Students were enlightened about parliamentary proceedings.
 - ii. Students participated in the event visualized a higher and better career in parliament, executive and Judiciary.
 - iii. Enhanced skill of organization, consensus, presentation and decision making.
 - iv. Students were motivated to pursue a career in politics, LAW and Business Administration.
 - v. The students demonstrated leadership attitude while acting as the Prime Minister, Speaker, Deputy Speaker, President and leader of the Opposition.
 - vi. It promoted the qualities of efficient legislators and a career in politics and administration.

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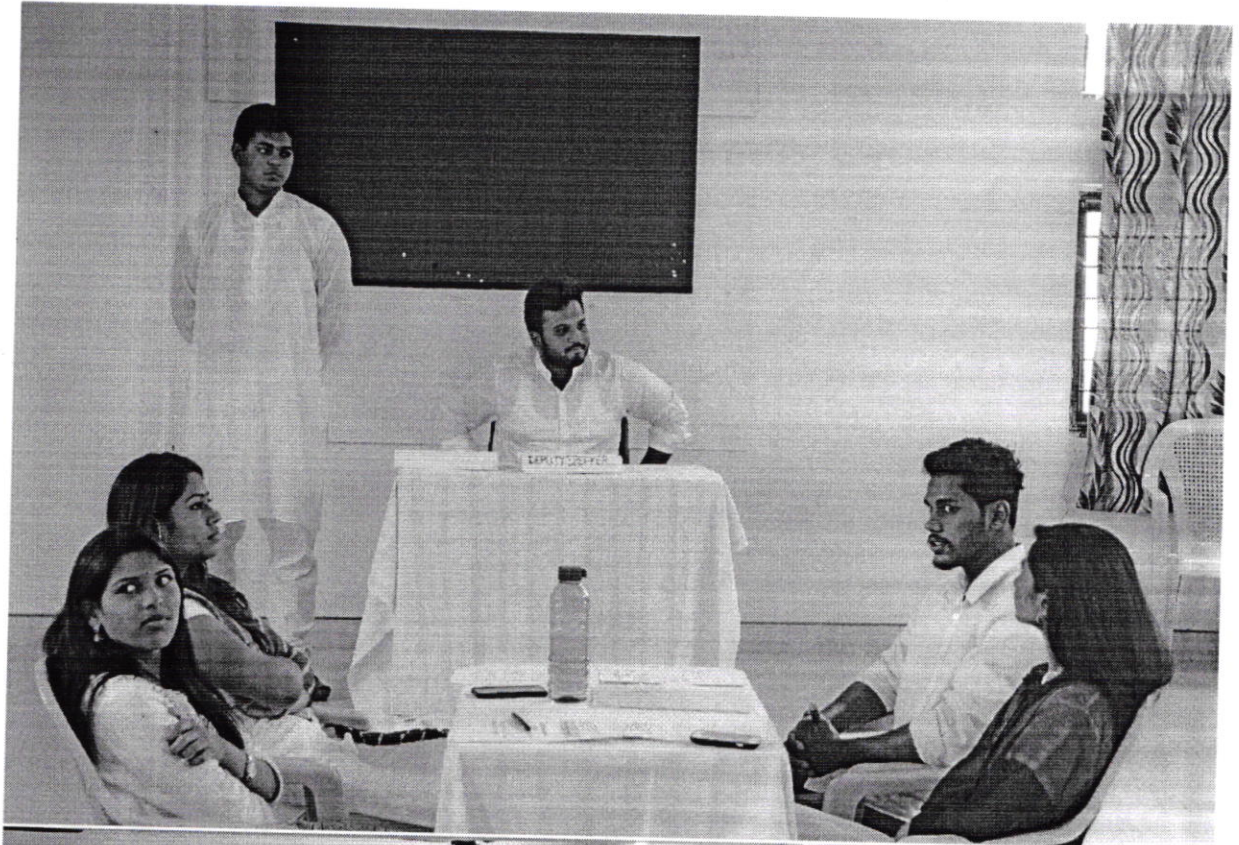
Bachelor of Arts (BA)
Department of Political Science

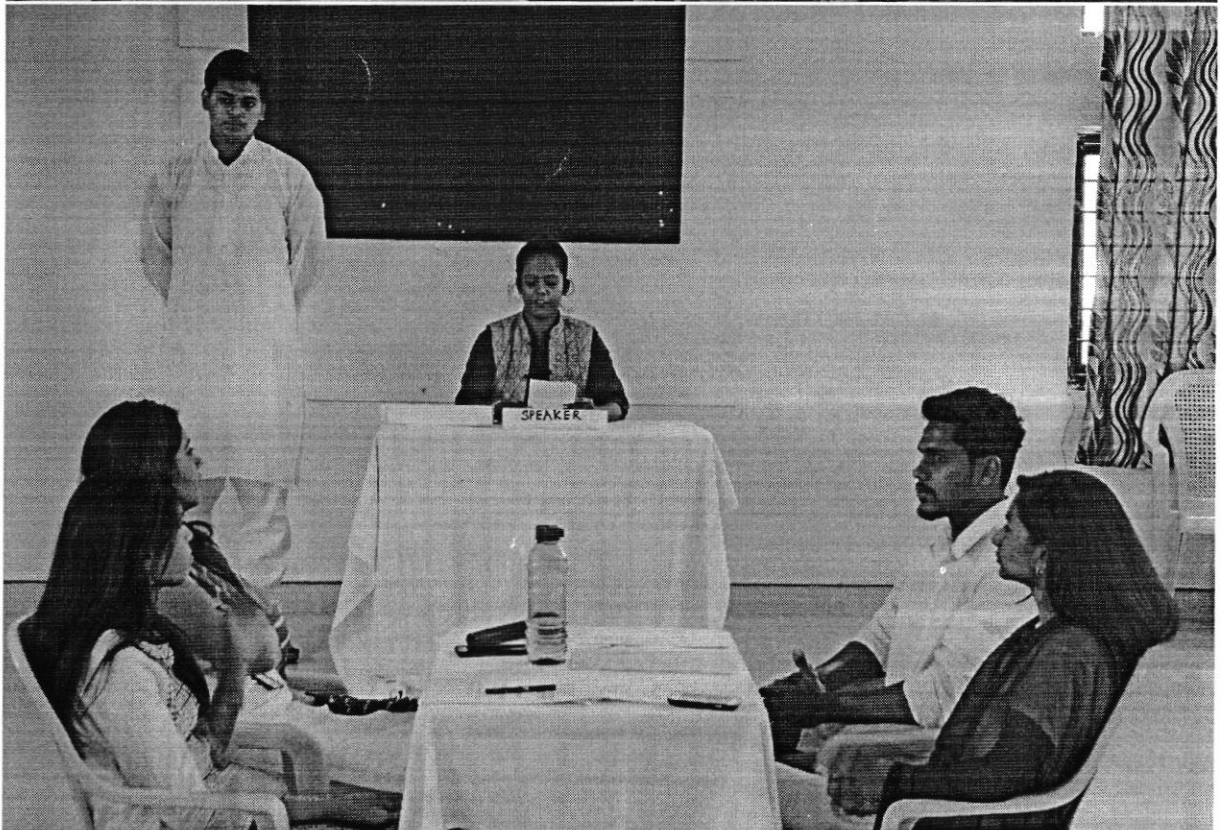
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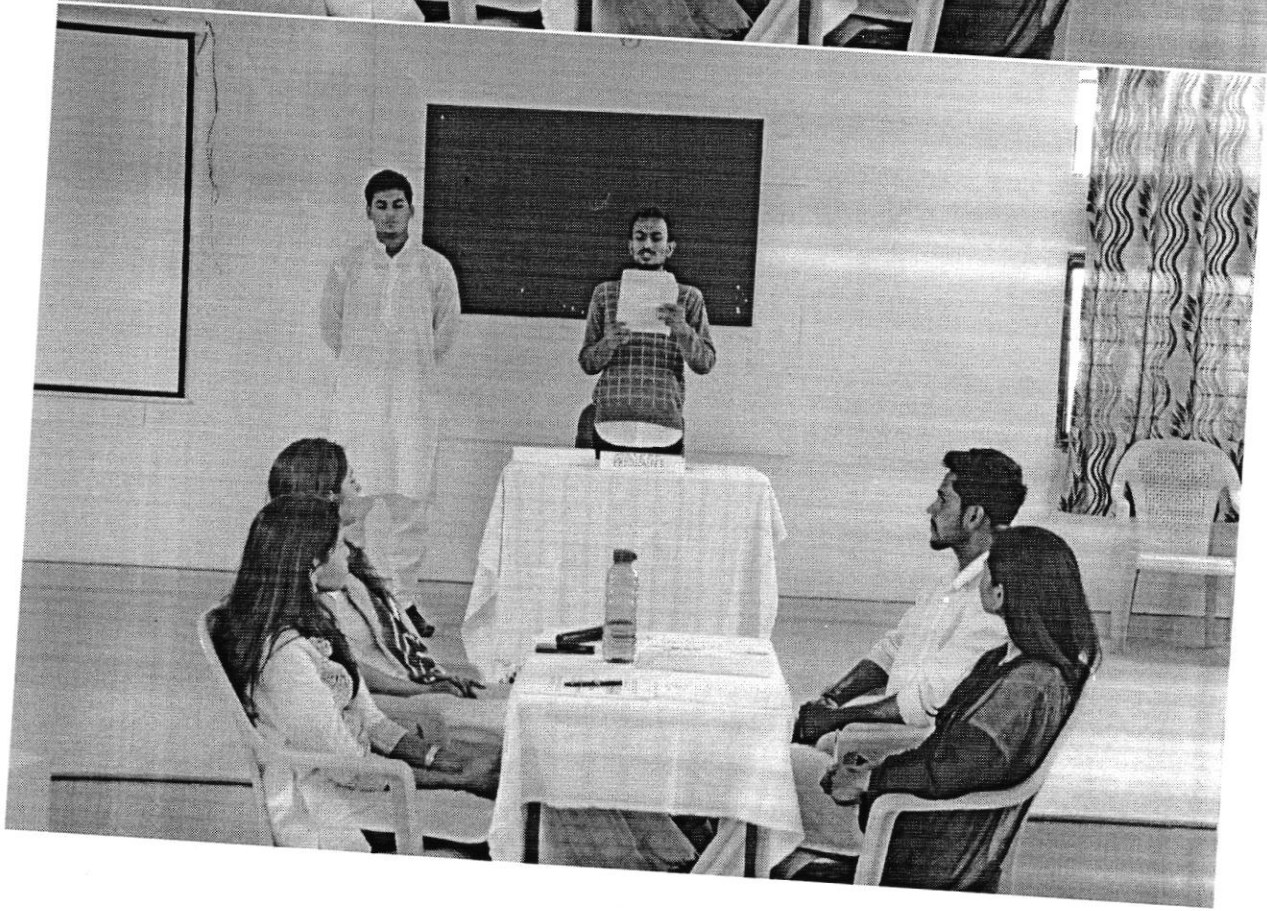


MOCK PARLIAMENT

B.A Student Centric Methods









Seema Ghosh

Mock Parliament /

GRAM SABHA VISIT
'Working of Gram Sabha'

1. Name of Gram Sabha: Gram Panchayat, Peerlaguda, Farooqnagar Mandal, Ranga Reddy District, Telangana
2. Date of Visit: 7th September, 2019
3. Students: BA I, II, and III.
4. Practical Knowledge: proceedings of Gram Sabha

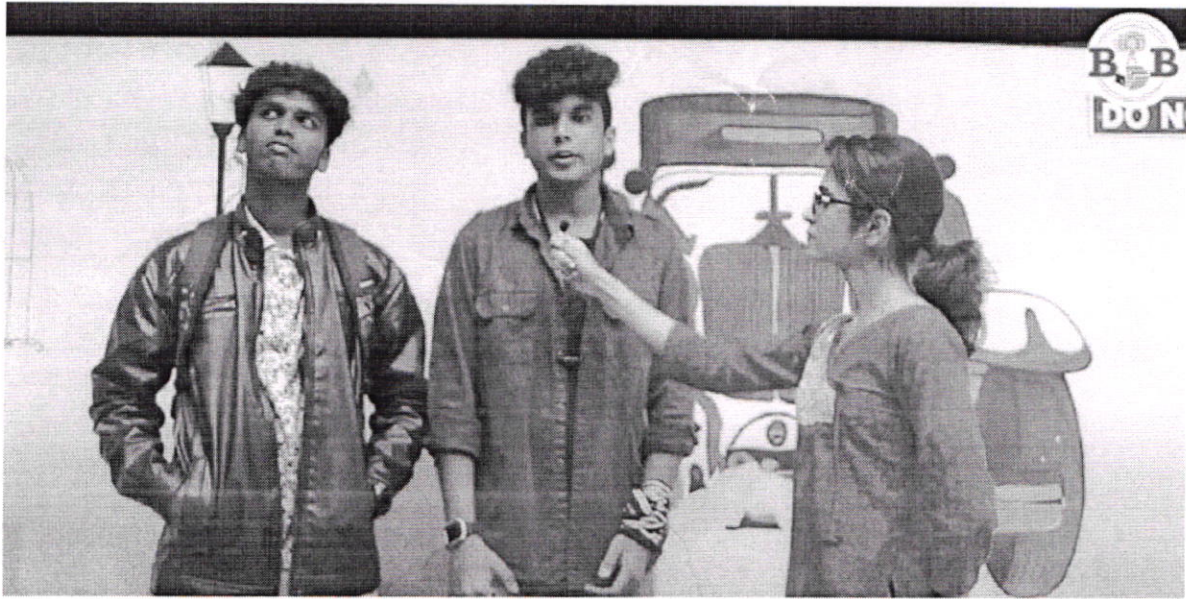
A Gram Sabha Meeting Was conducted by the Gram Panchayat, Peerlaguda Village, Farooqnagar Mandal, Ranga Reddy District by BA students on 7th September, 2019 and the students witnessed the proceedings of Gram Sabha which included discussion on various issues and problems of village like Education, Road, Water and Health.

1. The Gram Sabha trip provided scope and exposure to the students about the functioning of the Panchayat Raj Institutions in exchange of ideas and interactions with people from village.
2. During interaction with the representatives from the Gram Panchayat, the students briefed about the 73rd amendment of Panchayat Raj Act. It was informed that the PRI Act has enhanced the participation of the community in the development process of their villages and it emphasized on the participation of women and people belonging from the marginalized communities such as the Scheduled Caste (SC) and the Scheduled Tribe (ST).
3. The discussion on functioning of the Panchayat Raj Institutions and government contribution for the development of the village attracted students to know how these institutions independently working at the grass root level.

4. The students understood that the government officials and political representatives needs to maintain transparency in maintaining financial transactions.
5. The students became aware about the career avenues at the village level and scope to initiate small and cottage industries relating to agricultural products.
6. The students created awareness for environmental issues and organised plantation program along with the representatives and people of the village.



2. Short Film Making:



The students actively participate in shooting short films. So far, the department had produced many videos on issues of social importance. Short videos were produced by all the three years students of Faculty of Arts. The films that were shot are uploaded in youtube channel of the department titled 'bhavansbytes'.

<https://www.youtube.com/channel/UC4pVfTdjAU25AnsIdMEBQ>

Voice against Violence - https://www.youtube.com/watch?v=XX_VtW4g79U&t=10s

Trip to Goa Film Festival - https://www.youtube.com/watch?v=vBzbB0hyG_w&t=84s

Say no to Body Shaming- <https://www.youtube.com/watch?v=2vSNeqEAw78>

Dose of Motivation- <https://www.youtube.com/watch?v=lnAg5DI6Eyl&feature=youtu.be>

College Ad video - <https://www.youtube.com/watch?v=nTs6EStY6uU&t=86s>

Life with a silver lining - <https://www.youtube.com/watch?v=osEAckdrTmE>

Untold Stories of Hyderabad - <https://www.youtube.com/watch?v=Ziw8MIDvvS0&t=2s>

4. Field trips:



VISIT TO BBC, Delhi Office

The visit to the BBC office in 2018 allowed the students to look at the Radio Room, Gallery, Desk Room etc at BBC, Delhi. Their representatives explained the students how BBC uses different jargons from the other mainstream media. The interactive session with one of the directors of BBC, Mr. Ashish who shared his experiences and journey of being at the place where he is today was fruitful.

Visit to Department of Communication, University of Hyderabad

The final year students of BA Mass Communication had visited the department of Communication, SN School of Arts and Communication, Hyderabad. There were around 34 students along with the lecturer in-charge Mr. Shiva Trishul.

After reaching the University they were shown the campus and reached the Department of Communication. The students were escorted by the Head of Department of Communication Dr. Kanchan Malik, and the Professor of Radio and Visuals Mr. Janardhan. The students had an introduction session with the concerned department professors on who all can get into the University, what exams to write and interviews to be taken to get into the university. After the Introduction session the students were taken for a tea break and were divided into two groups to show the entire Department. Each group was shown the Visual Studio, Radio Studio and the Print Studio. The students were introduced to the different departments and were shown all the equipment and explained about every equipment in detail.

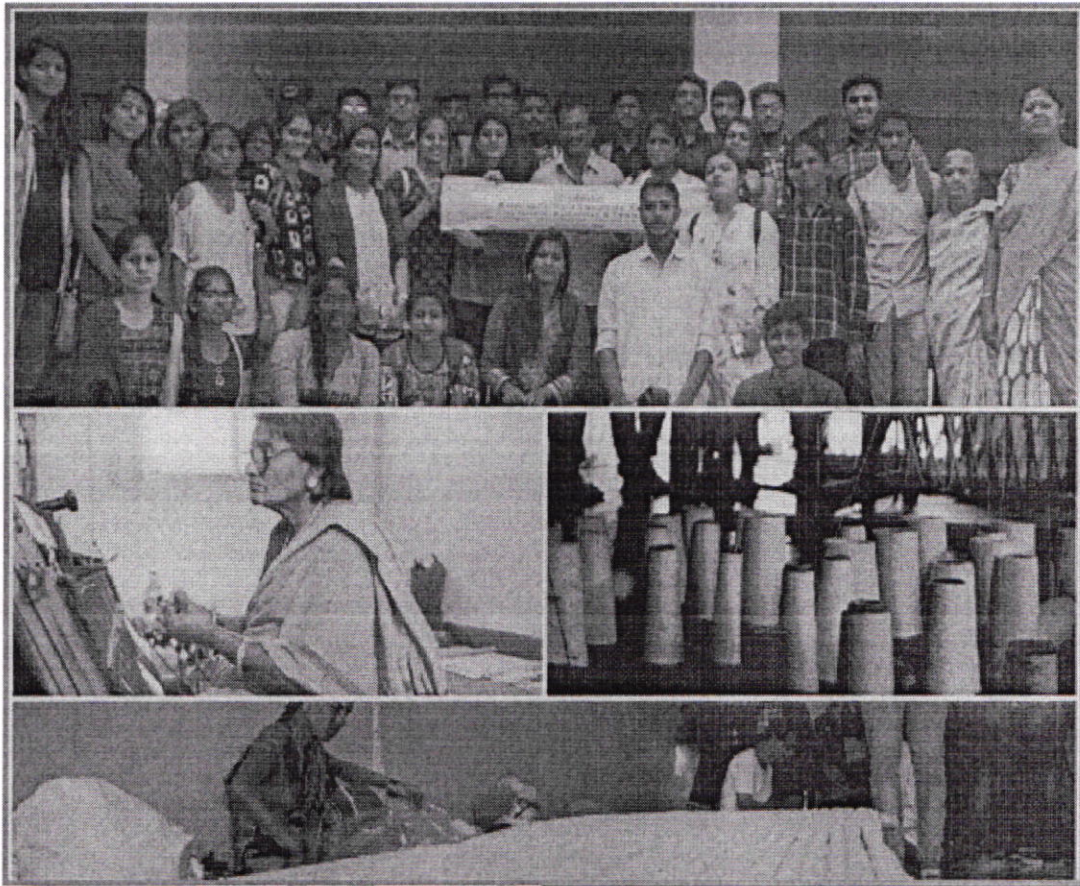
The students also visited the Department of Dance , Department of Fine Arts, Department of Theatre and Department of Political Science. The students had their lunch and had a group photo with the Faculty.



Visit to University of Hyderabad

Visit to Pochampally

The visit to Pochampally Handloom Park, Pochampally was organised by the Faculty of BA for the students of BA, First year on 16th of December 2017. 60 students were accompanied by two faculty members. The purpose of the visit was to interact with the Handloom Weavers in order to understand the making of handloom apparel and market scenario. In the visit, the students were made knowledgeable about the process of weaving in order to observe and understand the practice. The students were divided into various groups to serve the purpose of interacting, interviewing and conducting activities like photography and filming. The technical head of the Pochampally Park, Mr. Sudheer Kumar conducted informative sessions throughout the weaving process. He explained the students about the procedure of designing, dyeing, threading and weaving of ikkat. He also asserted on the cultural importance of handloom. Apart from the technical and practical aspects, the students also happened to learn about the workers' efforts, timings and lifestyle. They also appreciated their connection with this major part of Indian heritage. It was indeed an informative, interesting and successful visit. We would like to convey our gratitude to our Principal, Coordinator, Faculty of BA and the operative and technical working unit of Pochampally Handloom Park.



Students visit Pochampally Handlooms and Power looms

International Film Festival of India, Goa

18/11/19 to 23/12/19

The students of Faculty of arts had the opportunity to explore and be a part of the celebration of the 50th International Film Festival, Goa. The tour was of four days and three nights. Students first visited North Goa. Accommodation, food and travel was well organized by the college. Total of 42 students of BA Department were a part of the trip.

19th November, the first day of the tour was spent visiting the Aguada fort built by the then Portuguese rulers for providing fresh water supply to the ships passing by in the Arabian Sea. The evening was spent in Baga Beach relaxing and trying new water rides such as banana drift and parasailing. Students were excited for the second day of the trip as everybody received their delegate identity card. The other half of the day was spent visiting St. Francis Xavier's Church, Old Goa. The church is a part of the Churches and convents of Goa UNESCO World Heritage Site which hold the mortal remains of St. Francis Xavier. It was a learning experience for the students.

Finally it was time to sit back and enjoy the International Film Festival that all the students were eagerly waiting for. On 21st and 22nd of November students visited the Kala Academy and Inox Purvorium where they had the privilege to meet honourable celebrities such as Amitabh Bachan, Rajnikanth, famous producers and directors such as Shobu Yarlagadda, Eva Cools and many more.



Visit to International Film Festival of India, GOA

Visit to Hyderabad Literary Festival

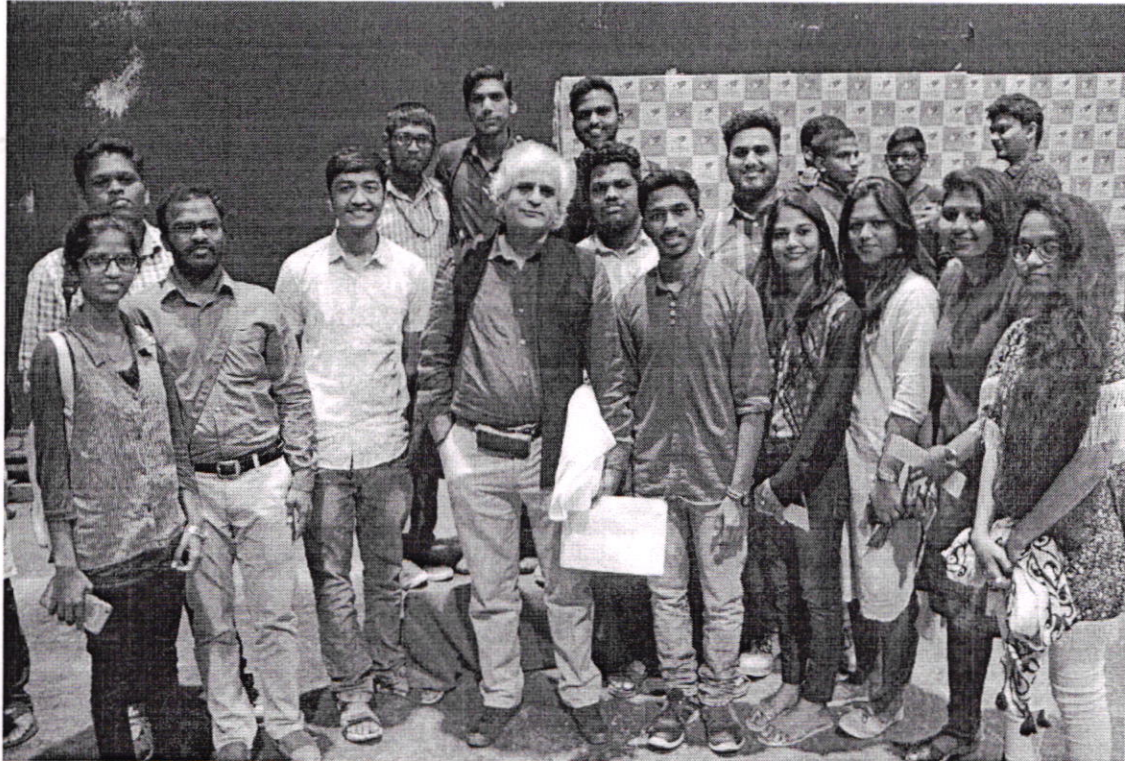
The students of the department visited the Hyderabad Literary Festival, Hyderabad. The event that happens every year is a big three day festival that brings wide variety of scholars, film makers, academicians together where discussion, debates and creative output is exhibited there. Around 20 students of the department attend this event every year.

Hyderabad Literary Festival is a Literary Festival held in Hyderabad. it is a three day Annual event that celebrates creativity in all its forms. The 2020 Literary Festival was held in the premises of Vidyaranya High School from Jan 24th to 26th. The festival pays attention to one country as a guest nation and this year it is Australia. Malayalam was the language in focus. HLF is a multi-lingual festival that draws attention of hundreds of writers, artist, scholars, and publishers from the country. HLF is a fest that is open for all where various events happen parallely at different corners of the campus which included talks, conversations, panel discussions, readings, workshop, exhibition, book launches, cultural program, and events for college and school students as well. Apart from these events to jazz up the environment there was live music, artistic props and food stalls.



Visit to Annapurna Studios

The students visited the Annapurna Studios where a session was conducted by the Manthan, an NGO. Mr. Palagummi Sainath, popular journalist addressed the audience about the People Archive of Rural India. Around 20 students visited.



with P. Sainath, well known journalist

Trip to Young Women's Conference, Hyderabad



Education Field Trip

1. Name of the Event: Visit to High Court of Telangana
2. Date of the Event: 31-01-2020
3. Students: BAIII.
4. Practical Knowledge: Working of High Court of Telangana

The Bachelor of Arts students visited the High Court of Telangana State on 31st January, 2020 with the special order of the Hon'ble Chief Justice of High Court Telangana and students witnessed the legal proceedings in delivering justice, they visited different Courts in the High Court of Telangana. They understood the procedure to access to justice. Further they were enlightened the legal fraternity in getting justice and career avenues in the Judiciary.



V. RAMESH
REGISTRAR (MANAGEMENT)



HYDERABAD
PIN: 500066
(Off) 23446165
(Fax) 23446156

ROC.No. 24/2020/J.SPL.(BLDGS), DATED: 28.01.2020

To
The Principal,
Bhavana's Vivekananda College,
Science, Humanities & Commerce,
Sainikpuri,
Ranga Reddy District.

Sir,

Sub:- Permission to visit the High Court for 20 students of Bhavan's Vivekananda College, of Science, Humanities & Commerce Sainikpuri, R.R. District, undergoing BA Course (Political Science, Mass Comm and Economics) on **31st January, 2020** - Accorded - Regarding.

Ref:- Your letter dated 24.01.2020.

With reference to your letter cited, I am directed to state that permission is accorded to 20 students of Bhavan's Vivekananda College, of Science, Humanities & Commerce Sainikpuri, R.R. District, on **31st January, 2020**, to visit the High Court and witness Judicial Proceedings to get the practical exposure, without disturbance to the court proceedings. Further, you are requested to furnish the list of students visiting High Court and contact the Section Officer, J. Spl. (Bldgs) Section (Cell No.9440802174) and contact him for further information. The visit of the students shall be under the supervision of their faculty member and under intimation to the Registry.

Yours faithfully,

REGISTRAR (MANAGEMENT)



(Founded in 1938 by Kulapati Dr. K.M. Munshi)

BHAVAN'S VIVEKANANDA COLLEGE of Science, Humanities & Commerce

Estd : 1993 AFFILIATED TO OSMANIA UNIVERSITY
AUTONOMOUS COLLEGE
ACCREDITED WITH "A" GRADE BY NAAC
SAINIKPURI, SECUNDERABAD - 500 094. Ph : 27111611, 27115878

Date :

29 Jan 2020

BVC/Visit/2019

To
The Hon'ble Chief Justice,
High Court of Telangana,
Hyderabad.

Esteemed Sir,

Sub: List of Students for Court Visit on 31-01-2020 - Reg

We express our sincere thanks and gratitude for your permission for visiting Hon'ble Court on 31 Jan 2020. The list of BA III Year Students who will be visiting the Hon'ble Court is as follows :

SL.No.	Roll No.	Name	Mobile No.
1.	107217391001	BRAMHANANDA REDDY KANUPARTHI	7893666762
2.	107217391002	D MOUNIKA	6302997852
3.	107217391003	JOYCEE S	9177692091
4.	107217391008	SHRUTI PETWAL	6300466396
5.	107217391011	RAJPUROHIT ANKIT SINGH	8712879631
6.	107217391018	JASMINE BISHT	7093971741
7.	107217391019	JYOTHSNA	9966736495
8.	107217391021	KIRAN KUMAR P	7680955822
9.	107217391025	PRIYANKA	7032926450
10.	107217391027	RAHUL KUMAR	9182453018
11.	107217391031	P SANIYA ANWAR	9032011211
12.	107217391032	SHAIK KHAJA MOINUDDIN	9441029598
13.	107217391034	SHANAZ FATIMA	9533162812
14.	107217391036	SHENAZ BEGUM	8374206915
15.	107217391037	SNEHA KUMARI	9573015263
16.	107217391040	Sulekha Kumari	9603923390
17.	107217391043	ANJI BABU MANDA	8919913148
18.	107217391055	SANJANA N MENON	8897999155
19.	107217391056	SRIDEVI JUTURI	7093479368
20.	107217391059	KANAKA DURGA Y	8106036782

Mr. Bibhudhendu Das, Faculty, Mobile No.9603456436 is deputed to co-ordinate with your office.

Thanking You,

Yours Faithfully,


Prof. Y. Ashok
PRINCIPAL

(Dr. Y. ASHOK)
PRINCIPAL
Bhavan's Vivekananda College of Science
Humanities & Commerce
Sainikpuri, R.R. (Dist.)

Report on trip to ISRO/NRSC


ISRO/NRSC was celebrating Remote Sensing Fortnight starting from 28th July 2018 at NRSC Outreach Facility, Jeedimetla. As a part of celebrations, they have arranged for Lecture sessions, Video presentations, Interactive session with scientists of ISRO/NRSA, Visit to display Hall comprising of models of Satellite Launching and communication.

Fifty seven students of B.Sc. M.P.Cs and M.E.Cs along with three faculty members of Department of Physics and Electronics took part in these celebrations on 8th of August 2018. The Schedule started with the photo session in and around the centre, before the students of other colleges joined. The Program started with a lecture session which was followed by a Video presentation wherein complete Satellite launching procedure starting from making of various modules to the final stage of launching of satellite into the orbit was shown.

The session was followed by interaction with scientists where our inquisitive students have discussed about various aspects of satellite communication and satellite launching. A crossword and Quiz contest was organized with every two students forming a team to participate. Following this, the students were sent to the Display Hall to view the 3-D images of various parts of India, taken by the satellites and the models displayed.

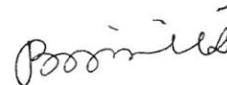
In all, the trip was informative and enjoyable particularly for II yr students who really felt motivated after the participation and interaction.

This program was organized continuously for a week with two to three colleges participating every day. Our students have bagged the first and third prizes for both the Quiz and Crossword events organized amongst the total 900 students participating from 16 different colleges. This reflects the competence and talent of the students participated.


14/8/2018

V.R. MANJULA

Lecturer in Physics



Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 084.


Santosh



SATISH DHAWAN SPACE CENTRE SHAR

P.Viswanadha Sarma
Head, PO & SM
Satish Dhawan Space Centre SHAR
SRIHARIKOTA - 524 124

Telephone: 08623-225183
08623-226136
FAX: 08623-225056
E-mail: ppo@shar.gov.in

SHAR/PO&SM/visits/2017

Sir,

Sub: Permission for Visiting SDSC SHAR Facilities - Regarding.

This has reference to your email/ letter dated 16.10.2017 on the above subject. In this regard, kindly note that you may visit the Centre as per the date and time given below:

- * Date of Visit : 10.11.2017 (Friday)
- * Reporting time : 09:00 Hrs
- * No. of persons permitted : 210 (including staff and Bus Crew)

Please note the following:

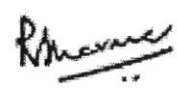
1. All the visitors permitted need to show Identity Proof.
2. Kindly confirm your programme by FAX (08623-225056). Also send one copy of the list of all the visiting members (including the bus crew), giving their names, father's name, age, contact address etc., either by e-mail or by FAX. You are also requested to give the name and contact Cell number of the visit coordinator from your side, for communicating any message, if required.
3. Due to security reasons, bags/boggage's/cell phones/cameras/any other electronic gadgets are not permitted. Hence, please do not bring them.
4. If you are planning to bring your food, we cannot permit the vessels inside the Range. While you go to see the Technical Facilities, kindly see that the food containers are unloaded at Library Complex and keep a person to take care of them.
We have very limited private catering services, and hence, you may book your lunch in advance with (Canteen Mr. Vikram Kumar 08978479157). If they regret to book due to excess demand, you may depend on the hotels at Sullurupeta (nearest town), through which you reach this place.
5. If no confirmation is received (along with the visitor's list) from your side on or before 07.11.2017 we presume that you have dropped your programme.
6. Please go through the General Guidelines printed over-leaf.


Should you need any further information/help, please do not hesitate to write/contact us.
Wishing you a happy visit.

Yours faithfully,

TO

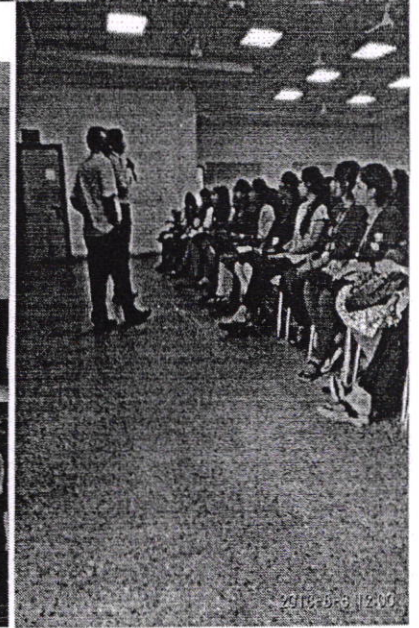
**The Principal,
Bhavan's Vivekananda College of
Science, Humanities & Commerce,
Sainikpuri,
Secunderabad.**


(P.Viswanadha Sarma)
Head PO & SM


Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Jan

Trip to NRSC/ISRO



Santosh

Prasanna
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidyapeeth Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

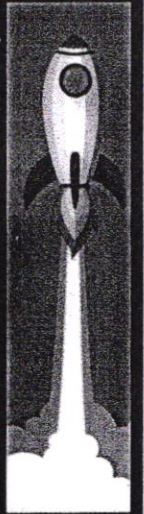
Guest Lecture and Field Trips

Visit to the National Remote Sensing Centre outreach facility

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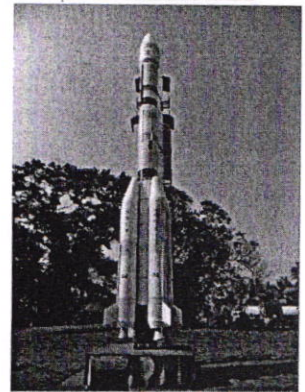
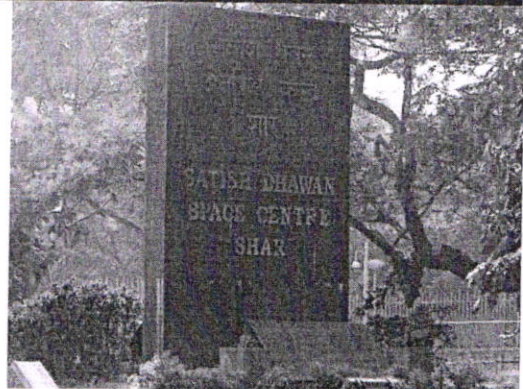


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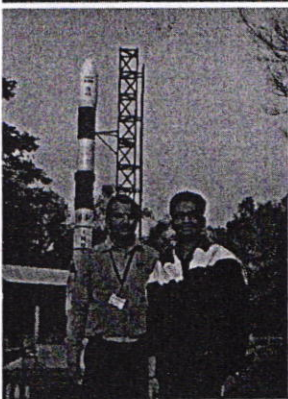
The department of Physics and Electronics organised a visit to the National Remote Sensing Centre (NRSC) outreach facility located near Jeedimetla , Hyderabad . All the interested students along with the lecturers were given the chance of exploring the outreach facility and know more about their operations . We were briefed about the various satellites launched by the Indian Space Research Organisation , its history and the methods or techniques equipped for mapping various geographies. It was truly a very interesting and informative visit and an enjoyable one as well .

Field Trips



Poonia

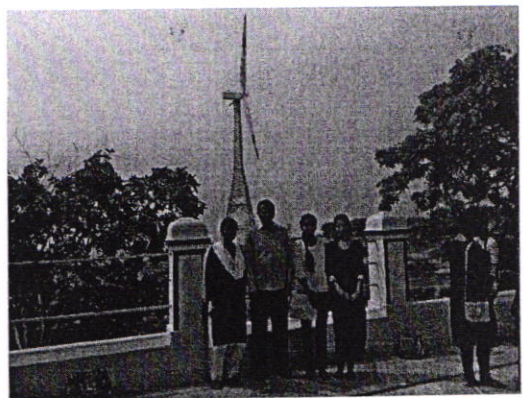
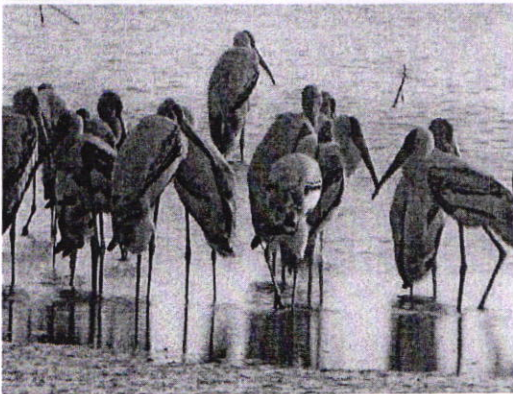
Head of the Department
Department of Physics & Electronics
Bharatya Vignana Bhawan - Vignana College
Sainikpuri, Secunderabad - 500 094.



Poonia

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Field Trips



Boonice

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Sec 6, Hyderabad - 500 094.

Field Trips



Boonicee

Santoshu

Head of the Department
Department of Physics & Electronics
Dr. Jyoti Chavhan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

PRINCIPLES OF
MANAGEMENT
ASSIGNMENT (SEMESTER II)
GROUP 6



GROUP MEMBERS -

2019-20
BBA 2nd sem

SIRISHA (66)

S.RAVEENA (75)

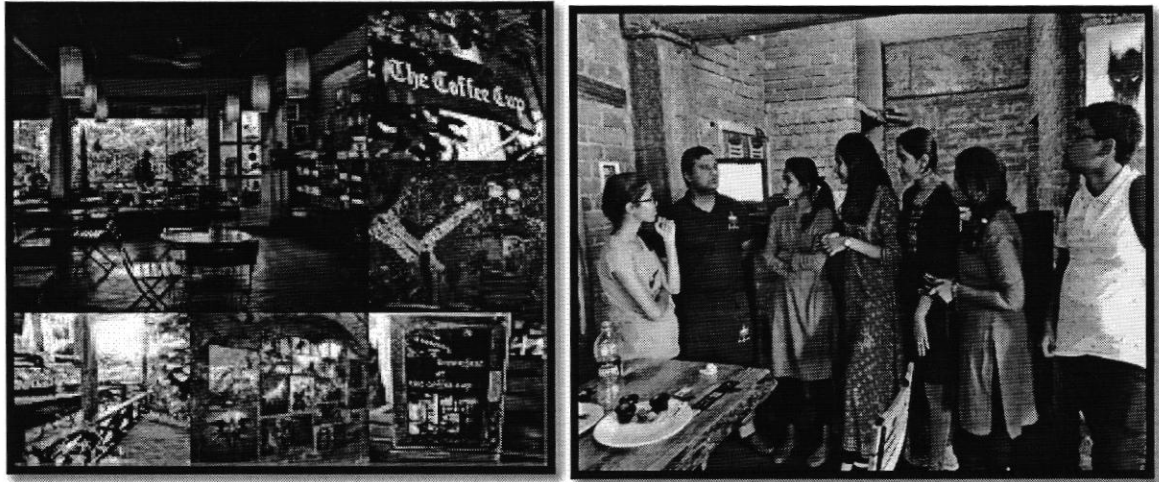
SUHANS (86)

JESSICA (95)

ISHITA (106)

SRUTHI (115)

THE COFFEE CUP



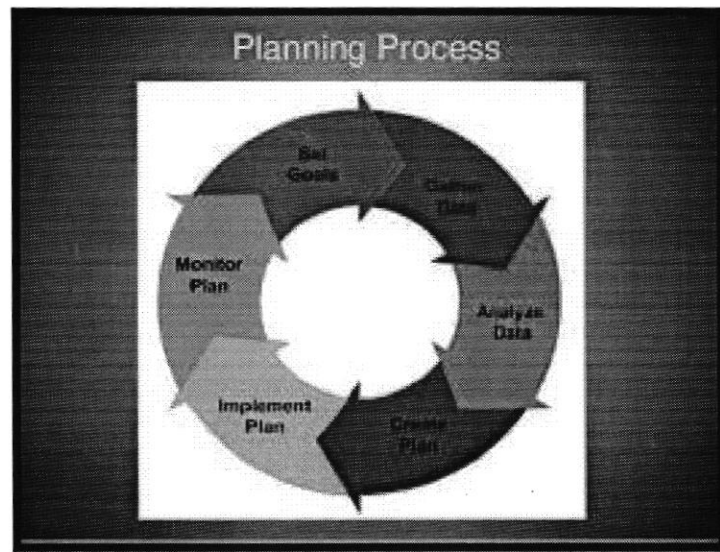
The Coffee Cup is a cafe Bistro located in Sainikpuri. What was conceptualised as a love affair between books and coffee has been matured into an everlasting ode to food connoisseurs and coffee lovers that boasts of a large scrumptious menu from grills to bakes and other foods. Its rustic, old world charm along with green flora creates a great ambiance.

We as a team of 6 visited this place to understand the working of this business unit and how the important functions of management are implemented here on a day-to-day basis.

FUNTIONS OF MANAGEMENT

1. PLANNING
2. ORGANIZING
3. STAFFING
4. DIRECTING
5. COORDINATION
6. CONTROLLING

PLANNING

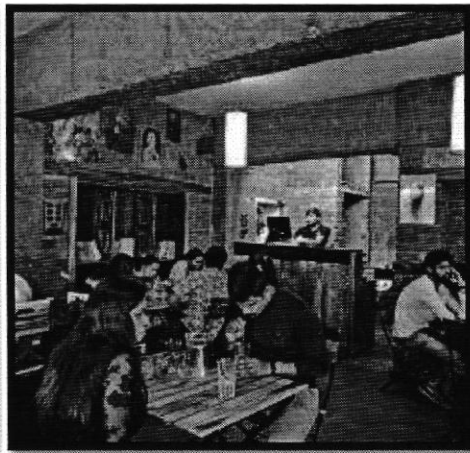
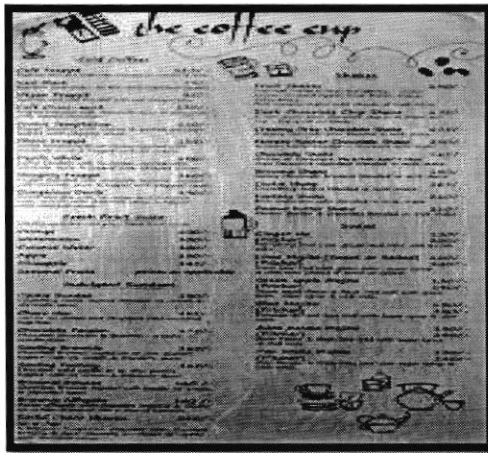


"Planning is deciding in advance what to do, how to do it, when to do it and who is to do it." Planning is the primary function of management. It is the important process of deciding business objectives and charting out the method to accomplish these goals. This includes decision of what type of activity is to be done, where to be done and how the results to be analyzed.

In "The Coffee cup", planning is done for day to day management activities and it's for proper function.

It involves setting of daily targets, creating list of objectives to be achieved and deciding a plan of action. It also deals with planning techniques in which the tasks like providing quick service, serving fresh food on time and crowd handling etc. can be performed efficiently.

ORGANIZING



Once a plan has been created, a manager can begin to organize. Organizing involves assigning tasks, grouping tasks into departments, delegating authority, and allocating resources across the organization.

During the organizing process, managers coordinate employees, resources, policies, and procedures to facilitate the goals identified in the plan. Organizing is highly complex and often involves a systematic review of human resources, finances, and priorities.

Organizing is an essential part of management in a cafe. It involves analysing and identifying different tasks of different departments like food and catering, maintenance of ambiance, service delivery and employee management. It is essential to allocate different resources of an organization like human resource (employee), raw material, tools and equipments etc.

STAFFING



Staffing is a managerial function which involves obtaining, utilising and retaining, qualified and competent personnel to fill all positions of an organisation, from top to operative levels. In finer terms, staffing is **placing the right person at the right job**. It aims at **employing, deploying and monitoring a competent and contented staff**, i.e. daily wage earners, contract employees, consultants, regular employees, etc., to undertake various managerial and non-managerial activities in an organisation.

The organization is headed the Manager Mr. Srinivas who is responsible for overall regulation of the tasks. There are 20 employees working out of which, 3 are cashiers, 15 are service persons for serving food and taking orders from customers and 2 are responsible for maintenance of the ambiance. There are 4 head Chefs in the main kitchen and 6 assistants to provide help. There are 3 security guards for maintaining security.

DIRECTING

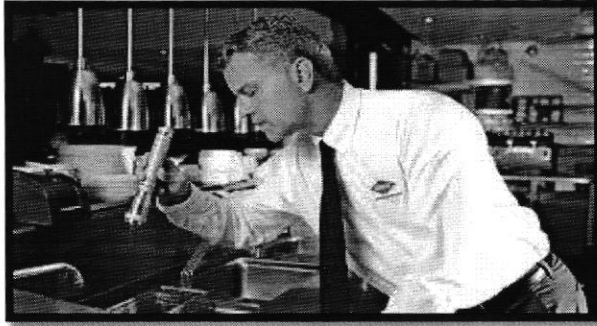


DIRECTING is said to be a process in which the managers instruct, guide and oversee the performance of the workers to achieve predetermined goals. Directing is said to be the heart of management process. Planning, organizing, staffing have got no importance if direction function does not take place.

Directing initiates action and it is from here actual work starts. Direction is said to be consisting of human factors. In simple words, it can be described as providing guidance to workers is doing work. In field of management, direction is said to be all those activities which are designed to encourage the subordinates to work effectively and efficiently.

Manager Mr. Srinivas acts as a link between the employees and other heads of the business organisation. He is responsible for guiding the workers, ensuring smooth working of the cafe, efficient management of tasks, encouraging the employees and sustaining the objectives of the organising.

CONTROLLING



Controlling is one of the most important functions of management. Its main objective is to ensure that an organization's activities are advancing as planned. The control process that all managers have to implement consists of several steps. Controls can be categorized according to the time in which a process or activity occurs. The basic control process includes the following steps:

1. Setting performance standards.
2. Measuring actual performance.
3. Comparing actual performance with standards or goals
4. Analyzing deviations
5. Taking corrective action

Maintaining proper quality of food by performing quality check before serving, regular inspection of kitchens, regular cleaning and hygiene maintenance of the place, ensuring staff efficiency by regular counselling sessions, updating the menu and surroundings according to the interests of customers to establish customer loyalty and adapting new techniques that help in accomplishment of objectives are all part of controlling function.

Sub: Leadership and
Change management (E-I) HR
BBA 3rd year

FIEDLER'S MODEL OF CONTINGENCY THEORY

2019-20

BY:

(53) (46) (57) (56) (49)
Pranay Raj, Surabhi, Megha, Sony, Sri Lekha
BBA (V) SEMESTER

(Field
Study)

V. Ashwini

CONTINGENCY THEORY FINDINGS FROM THE FIEDLER MODEL

The theory that effective groups depend upon a proper match between a leader style of interacting with subordinates and the degree to which the situation gives control and influence to the leader.

- **Identify Leadership style:**

Fiedler created the Least Preferred Co-worker [LPC] questionnaire for the purpose of finding out that leadership success has a key factor i.e., individual's basic leadership style. This questionnaire measures whether a person is Task oriented (or) Relationship oriented. It contains 16 contrasting adjectives.

Some of them are Pleasant, Unpleasant, Efficient, Inefficient, Open, Closed, etc.,

Fiedler made this questionnaire and asked the respondents to rate the co-workers whom they felt least preferred to work with and asked them to rate on a scale of 1-8. By this he determined that a respondent with high LPC score is Relationship oriented leader and a respondent with low LPC score is a Task oriented leader.

- **Defining the situation:**

After an individual's basic leadership style has been assessed through the LPC score it is necessary to match the leader with the situation. After assessing the leadership style through LPC, Fiedler gave 3 contingency dimensions. They are:

1. Leader-Member Relations: The degree of confidence, trust and respect members they have with the respective leaders.
2. Task Structures: The degree to which the job assignments are procedurized that is structured or unstructured.
3. Position Power: The degree of influence a leader has over power variables such as hiring, firing, discipline, promotion and salary increase.

- **Matching the leader and situation:**

Based on Fiedler's research he concluded that task-oriented leaders tend to perform better in situation that are very favourable or very unfavourable.

Relationship oriented leaders perform better in moderate situations.

Hands on Activities

ANALYSIS

OF

THE

QUESTIONNAIRE

1.) If the score is 73 or above	→	Relationship-oriented leader.
2.) If the score is 64 or below	→	Task-oriented leader.
3.) If the score is 65 to 72	→	Both Relationship and task oriented leader.

19-20
BBA 5th sem

RESPONDENTS	LPC SCORE	LEADERSHIP STYLE (Task oriented (or) Relationship oriented).
Respondent 01.	65	Since the LPC score of respondent 1 is 65, he is both task and Relationship oriented leader.
Respondent 02	74	Since the LPC score of respondent 2 is 74, he is considered to be a relationship-oriented leader.
Respondent 03	53	Since the LPC score of respondent 3 rd is 53, he is a task-oriented leader.
Respondent 04	99	Since the LPC score of Respondent 4 is 99, therefore he is a Relationship-oriented leader.
Respondent 05	103	Relationship-oriented leader
Respondent 06	86	Relationship-oriented leader.
Respondent 07	79	Relationship-oriented leader.
Respondent 08	71	Task-oriented as well as relationship-oriented leader.
Respondent 09	74	Relationship-oriented leader.
Respondent 10	74	Relationship-oriented leader.
Respondent 11	34	Task-oriented leader.
Respondent 12	67	Task-oriented as well as relationship oriented leader.
Respondent 13	90	Relationship-oriented leader.
Respondent 14	31	task-oriented leader.

RESPONDENTS	LPC SCORE	LEADERSHIP STYLE (Task oriented (or) Relationship oriented)
Respondent 15	96	Relationship-oriented leader.
Respondent 16	119	Relationship-oriented leader.
Respondent 17	101	Relationship-oriented leader.
Respondent 18	25	Task-oriented leader.
Respondent 19	105	Relationship-oriented leader.
Respondent 20	90	Relationship-oriented leader.
Respondent 21	111	Relationship-oriented leader.
Respondent 22	76	Relationship-oriented leader.
Respondent 23	64	Task-oriented leader.
Respondent 24	125	Relationship-oriented leader.
Respondent 25	112	Relationship-oriented leader.
Respondent 26	85	Relationship-oriented leader.
Respondent 27	61	Task-oriented leader.
Respondent 28	35	Task-oriented leader.
Respondent 29	126	Relationship-oriented leader.
Respondent 30	72	Task-oriented as well as leadership-oriented leader.
Respondent 31	36	Task-oriented leader.

RESPONDENTS	LPC SCORE	LEADERSHIP STYLE (Task Oriented (or) Relationship Oriented)
Respondent 32	93	Relationship-oriented leader
Respondent 33	63	Task-oriented leader
Respondent 34	68	Task Oriented as well as Relationship oriented
Respondent 35	120	Relationship-oriented leader.
Respondent 36	98	Relationship-oriented leader
Respondent 37	74	Relationship-oriented leader.
Respondent 38	109	Relationship-oriented leader.
Respondent 39	78	Relationship-oriented leader.
Respondent 40	44	Task-oriented leader.
Respondent 41	18	Task-oriented leader.
Respondent 42	101	Relationship-oriented leader.
Respondent 43	85	Relationship-oriented leader.
Respondent 44	90	Relationship-oriented leader.
Respondent 45	71	Task oriented as well as relationship-oriented leader.

Fundamentals of
Organizational Behaviour

Field
Study + Seminar (PPT)
| (POB)

POCHAMPALLY HANDLOOM PARK

FUNDAMENTALS OF BUSINESS ORGANISATION PROJECT
GROUP - 10

BY
K. BHAI KUMHNA
ABHISHEK
VIJYA
BHARATI PRAKASH
GHULIAM
THAPUNRA

INTRODUCTION

- * Telangana is one of the ancient Ikat (handloom) weaving centers in India, along with Gujarat and neighboring Odisha.
- * Pochampally Handloom Park is the first ever handloom park in India and it is a Partnership firm
- * It was established in 2006 with land of 24 acres in Yadari Bhuvangiri district.
- * An approximate no. of 500 people work in Pochampally and out of them 150 people are permanent.

TYPES OF PRODUCTS PRODUCED

- * SAREES
- * DRESS MATERIALS
- * HAND-MADE BAGS
- * LADIES PURSES
- * SLING BAGS
- * PILLOW COVERS
- * BEDSHEETS and etc

RAW MATERIALS USED

- * Pochampally is mainly known for its quality in the designs, techniques and the materials used for making an Ikat saree.
- * The most used material is Cotton which is specially imported from Tamil Nadu which can be in shape of Cone and Ank
- * The colours which are used for dyeing the materials is imported from Bangalore.
- * The Pochampally handloom park consists of 3000 wooden machinery which are used by the labour individually to produce the final material.

THICKNESS

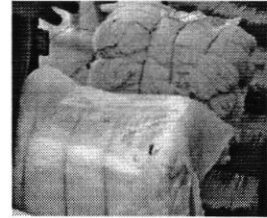
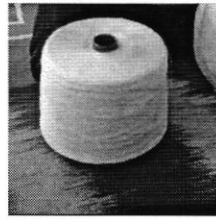
- * The cotton material which is used to make sarees, Furniture covers like sofa covers and etc depends on the thickness of the cotton material.
- * For eg : 2/100, 2/120 is used for making Sarees
- * 2/80, 2/60 is used for dress materials
- * 2/40 and 2/20 is used for furniture covers

POB BBA
I St Sem
2019-20

STAGES INVOLVED

- * There are five stages involved in order to get the final product.
- * Threading
- * Designing
- * Dyeing
- * Gianting
- * Looming

THREADING



DESIGNING

- * The Fashion designers play a major role in this process where the colours, design and type of material is decided by them and accordingly orders are taken.

DYEING

- * The designers will decide the colours on the materials and the people who are engaged in adding colour to the materials are highly equipped with safety measures like wearing rubber shoes and gloves in order to avoid any danger caused by the heat.
- * Where after dyeing the material is spread over larger area seperating each thread in order to dry the material which increases the durability of the material.

GIANTING

LOOMING

- * Looming is the final stage where the material is produced.
- * It is a process where labour uses the wooden machinery in order to combine the material to knit into different designs
- * The Looming process takes for the time period of 5 days for single Ikat and 8days for double Ikat

SALES and DEMAND

- * The demand for the Pochampally sarees are always high and it does not vary from season to season or time to time.
- * Pochampally materials are dispatched all over India and also has huge demand Internationally.
- * The production , the turnover and the profits are kept as a confidential.
- * The price of Single and Double Ikat depends on the design and the meters of the material where Double Ikat is bit costlier then the Single Ikat.

OTHER THEN COTTON

- * The other material which is also used in Pochampally is Silk
- * But cotton has high demand and most preferable in Pochampally then silk because the cost of production of using silk to produce the material is higher then cost of production of using cotton to produce the material.

THANK YOU



Bhavan's Vivekananda College
of Science, Humanities and Commerce
Sainikpuri, Secunderabad-500 094
(Accredited with 'A' Grade by NAAC)
Autonomous College - Affiliated to Osmania University

Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
2. Ms Moumita Bandyopadhyay
IKP Knowledge Park, HYDERABAD
3. Name of the Department if the programme is conducted inside the college:
CHEMISTRY
4. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Field visit
5. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Field visit to IKP Knowledge Park -30 July,2019
6. In case of Seminar:(Tick the correct option)

<input type="radio"/> National	- International
<input type="radio"/> Presented	- Participated

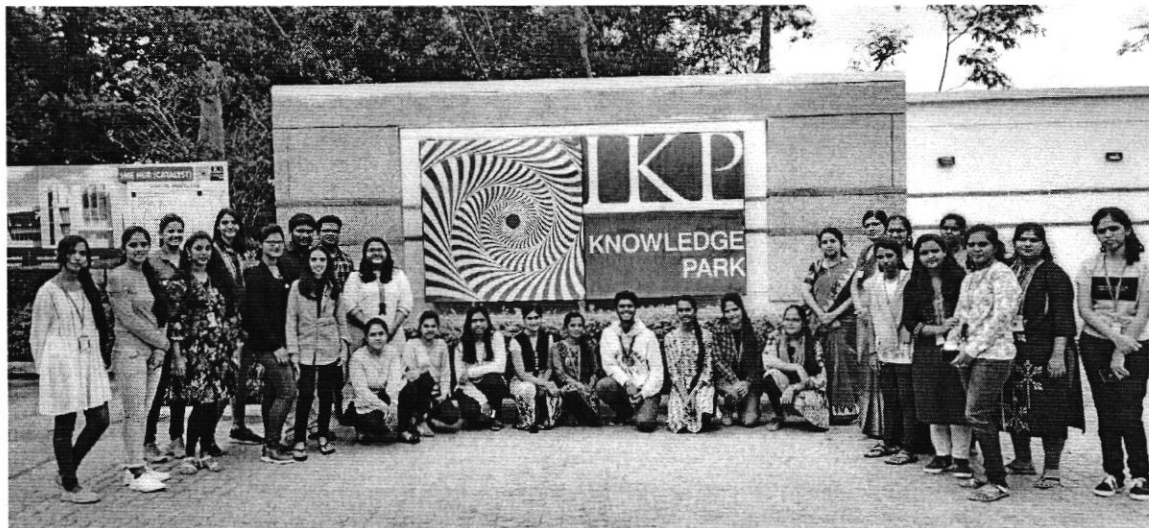
If Presented, enclose the Title of the presentation:

-
7. Date of the event: 30 July 2019
 8. Place of the event: IKP Knowledge Park, Hyderabad
 9. Name(s) of the Resource person(s):
Dr Sangita Sen
Mr Vyankatesh

Description of the Event: (within 500 words with 3 relevant pictures)

UG final year BtGC students were taken to IKP Knowledge Park, Hyderabad on July 30, 2019.

Practical knowledge of the instruments used in chemical & biological sciences were discussed & their working was shown to the students.



Note: Kindly enclose the scanned copies of the brochure, certificate, report and photographs and send to bvcreports@gmail.com

Participant/Coordinator/HOD

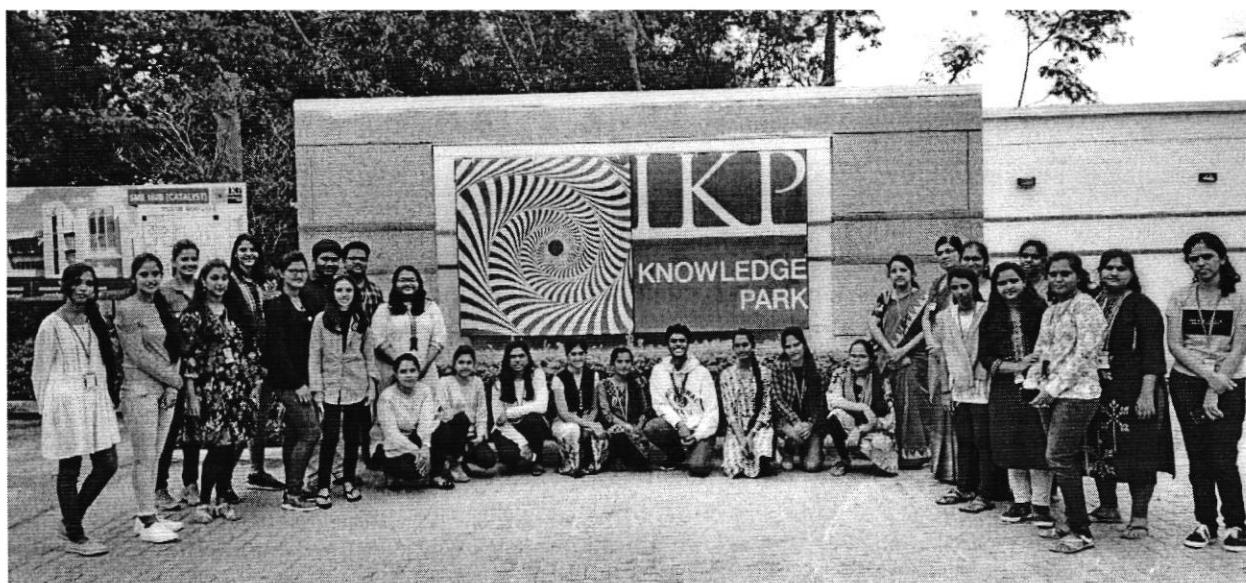
FIELD VISIT TO IKP KNOWLEDGE PARK

Chemistry Department had organized a field visit to IKP Knowledge Park on the 30th July, 2019 for the final year BtGC Life Science students. The visit to IKP Knowledge Park was very successful.

We were welcomed by Dr. Sangita Sen Majee, Head - Life Science Incubator, IKP Knowledge Park.

Mr. Venkatesh gave an insight about the inception of IKP Knowledge park. His talk threw light on how IKP supports start - ups in Life science industries, by providing them support in the form of space and instruments.

The students were divided into batches. Each batch under the guidance of trained professionals, got a chance to see different instruments like NMR, HPLC, UPLC, GC-MS, Spectrophotometers, incubators, centrifuges, lyophilizers and freezers of different temperatures. Students got awareness of the process of Research & Development of various pharmaceuticals.

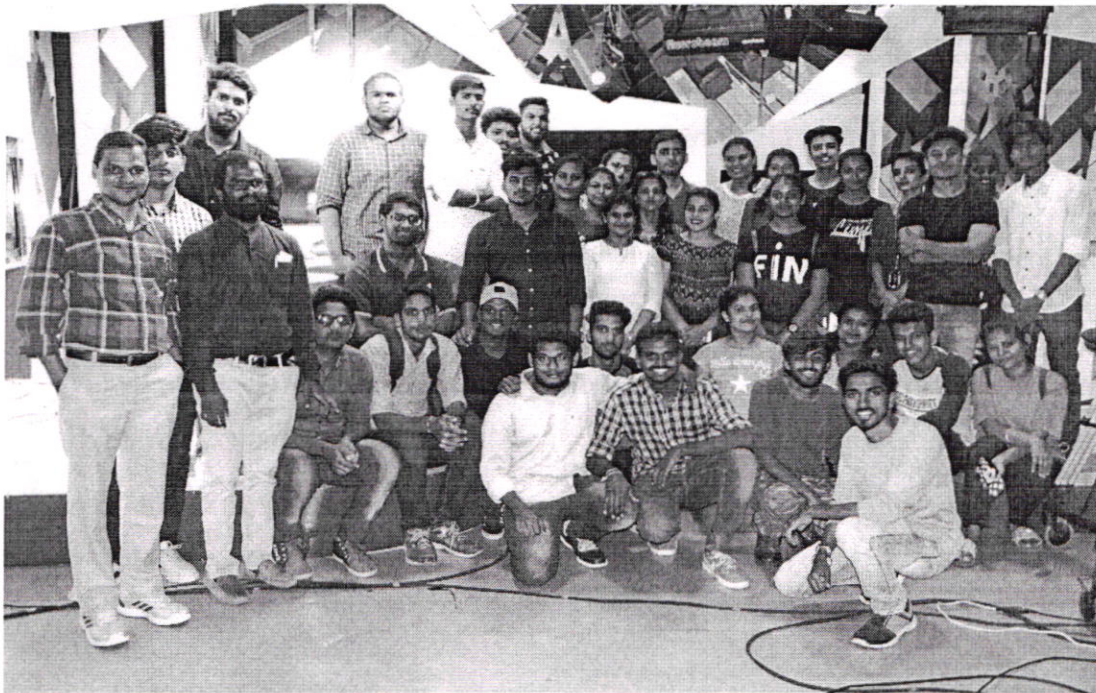


Sangita Sen Majee

5. Industrial visits

Sakshi News Channel Visit

The students of BA had visited the Sakshi news channel located in Banjara Hills on 22nd July 2019. The students got exposed to the entire broadcasting process in the news channel. The entire structure of the news channel is divided into three major sections namely Input, Output and the social media section. The students were divided into three groups and each group were taken to all the departments of the channel separately. Students had also eye witnessed the live broadcasting session in the studio. Mr. Srinath, the output editor of the news channel had guided the entire team. Students got an enriching experience in visiting the channel.



A Visit to TELANGANA TODAY Newspaper Office

The 2nd students of Faculty of BA had visited TELANGANA TODAY new organization on 6th February 2019. The students interacted with Mr. Balu, deputy Editor of Telangana today. He spoke about the news organization and his experiences in his career. Mr. Balu also said that it is important to communicate with everyone and suggested students to read novels and improve their vocabulary. After that session the students were divided into two batches who were later explained about the process of printing a newspaper Mr. Veerabhadram, a senior journalist of the organization explained the various elements of a newspaper. The layout designer Mr. Mahesh explained about the quark express and gave tips to the print team of our college how to organise the tabloid in a more innovative manner . The visit was very fruitful for students who wish to be part of a newspaper organization, Mr. Shiva Thrishul faculty of mass communication had escorted the students to the organization.

lay నమస్తే తెలంగాణ



Visit to Namaste Telangana and Telangana Today news channel

Visit to THE HINDU printing Press

The world of print media has always mystified the five senses of human beings. To fulfill this curiosity of print media among the students, the college arranged a visit to the Printing Press of The Hindu at Ramanthapur, Hyderabad. The students of BA were the lucky ones to get such an opportunity on behalf of the college management. Such visits help to broaden the horizons of the students and also motivate them to set a goal and achieve something in life.

Understanding makes a thing more attractive. Seeing the various processes involved in the printing of a newspaper will generate a lot of interest among the students to make it a part of their life. Reading newspaper daily is a good habit that every journalism student should inculcate. It generates curiosity and updates them with the latest happenings. It opens the minds of the students and takes them to a world of unlimited possibilities.



Visit to THE HINDU printing Press

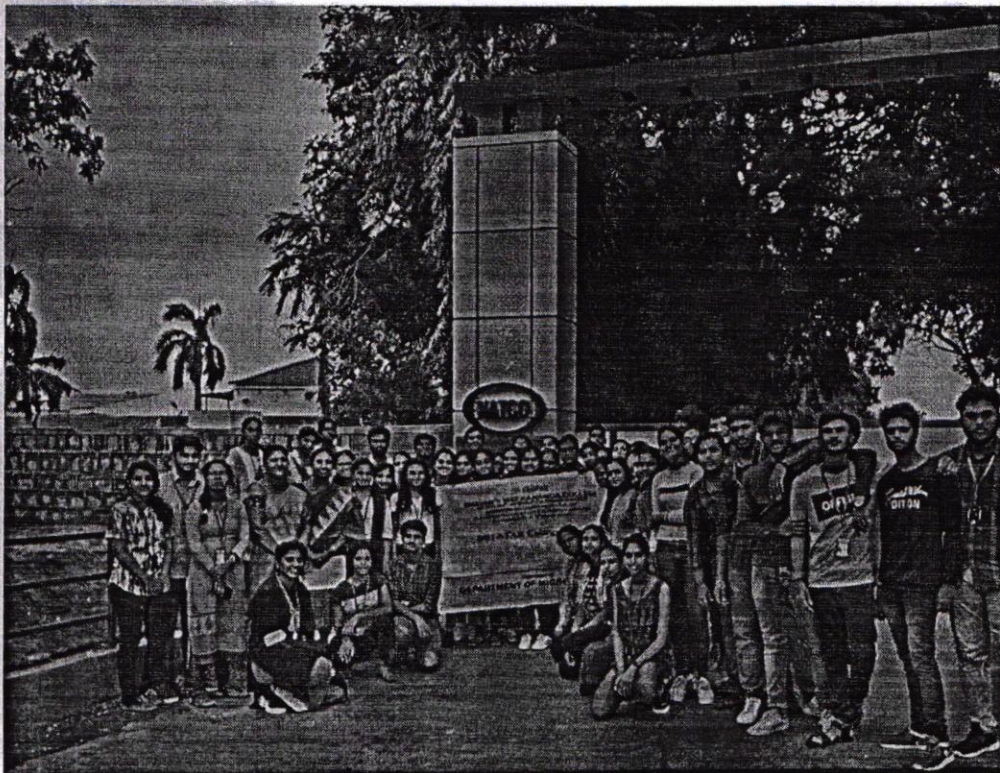
Report

Industrial Visit to NATCO Pharma

An industrial trip for B.Sc Microbiology students was organized by Department of Microbiology on 27.7.2019, to NATCO Pharma Limited-Parenterals Nagarjuna Sagar, Nalgonda district. Students were given awareness on the Good lab practices and Good manufacturing practices that are followed in the pharmaceutical industries. Procedures followed as part of the Quality control and Quality assurance were also explained.

The students visited different labs and instrumentation rooms. Various levels of bio safety and stages involved in the pharmaceutical manufacturing were introduced. This visit covered different aspects of Parenterals like batch mixing area, Store area, packing section, Quality control lab, Microbiology lab, Instrumentation room, Chemical laboratory, Retention sample room and Water filtration unit etc.

Students were also demonstrated with various instruments and techniques like Lyophilisation, HPLC, Polarimeter, Muffle furnace, Fume hoods, Sonicators, Vacuum oven, auto-titrators, Endotoxin test, Membrane filters, Laminar air flow with isolators, Water filtration unit and Distilled water plant (use of sand filters, carbon filters, anion and cation tanks for water purification).



MSc [2019-20]

Dr. K. Anuradha

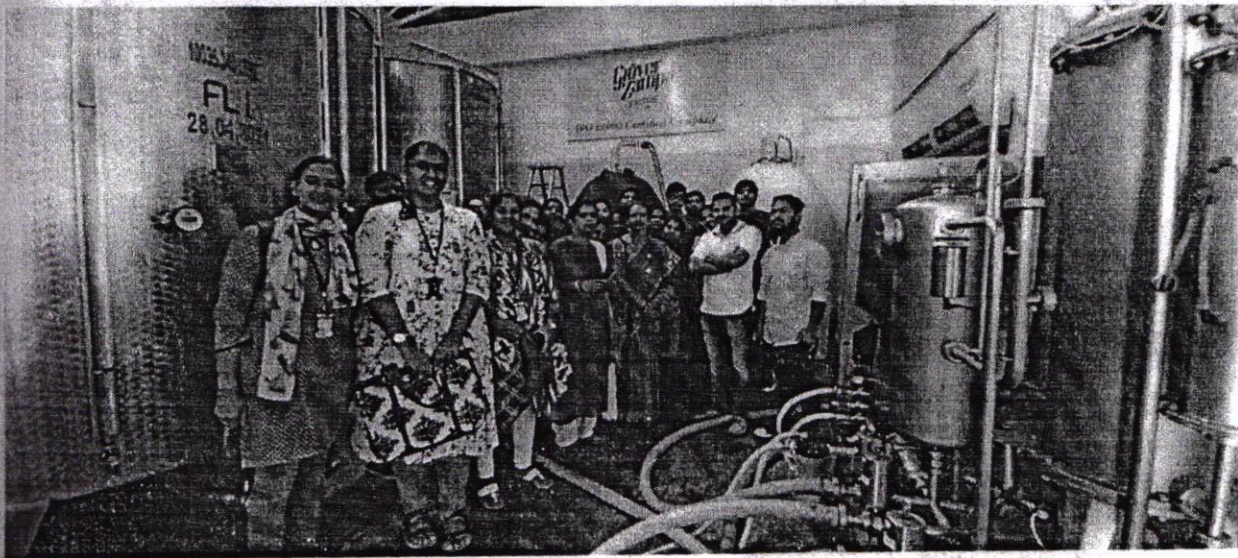
Dr. J. Sarada

2019-DEC

Report on Educational Field Trip to Grover Zampa Vineyard at Bangalore and Coorg

Department of Microbiology organized four day educational field trip from 3rd December to 7th December for M.Sc final year students to Coorg, Via Bangalore and Mysore. This field trip/ visit was planned to educate the M.Sc students with practical methods of wine fermentation production at one of Premier Institute in South India. Grover Zampa Vineyards located in Bengaluru, has well established wine production plant established in 1940. It has branches located at Nashik, Maharashtra and Nandi hills.

On 4th December students visited the winery, which owns 450 acres of Grape vineyard and cultivate special variety of grapes exclusively for wine preparation. After a brief history and information about vines and vineyard cultivation, students first visited automatic grape crushing unit, then proceeded to understand the industrial processing of filtration, fermentation and wine storage Mr. Vipin Singh had explained in detail about the sequential steps involved in wine making good reasoning. Two types of wines i.e white and red wines are generally produced and with their combinations in different proportions they make 32 other different types of wine and supply to 25 countries annually. Company has 185 Stainless steel Fermenters specially designed to resist heat production during anaerobic fermentation process. Barrel room facility is used to age premium brand of wine in imported oak barrels which is mostly used as conventional process of wine making. The industry has latest imported machinery for bottling, labeling, and packaging of alcohol bottles. Visit to Winery has helped the students to understand practically the industrial fermentation process of wine making by both conventional and modern methods.



Industrial processing unit of Wine at Grover Zampa

Dr. Anuradha
14/12/19

2018

2018-NOV

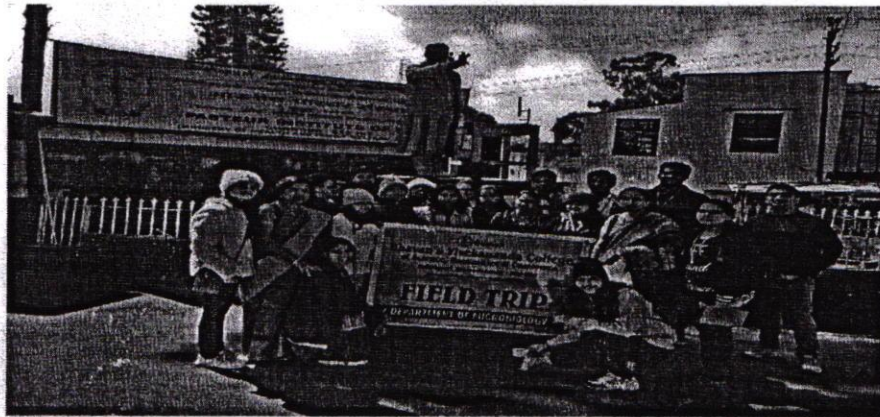
Report on Educational Field Trip to Pasteur Institute of India, Coonor & Tea Factory

Dr. J. Sarada

Dr. K. Anuradha

Department of Microbiology organized five day educational field trip from 29th November to 4th December for M.Sc final year students to Coonor, Via Bangalore and Mysore. This field trip/ visit was planned on 3rd December to educate the M.Sc students with practical methods of Vaccine production at one of Premier National Institute in South India.

Pasteur Institute of India, one of the leading institute for production of antirabies vaccine is located in Coonor, Nilgiris. It was established in April 6th, 1907. The institute was initially called as Pasteur institute of Southern India and then later became Pasteur institute of India. The institute was named after the French Scientist Louis Pasteur.



Initially, students were briefed with the rich history of the Institute and how it has started production of attenuated vaccines and sub unit vaccines. Lecture was followed by the visit to the R&D laboratories.. Dr.Shekar ,Head of R & D division explained the latest instruments being used for vaccine production and also briefed on the steps involved in vaccine production using cell lines Labaoroties were fully equipped with high end instruments and needs training to handle them .Bioreactor for sub unit vaccine production in Vero cell lines , Fluorescent microscope for monitoring the cell line and protein production, High end PCR machines, gel electrophoresis units for analysis of viral proteins (Anitgens /Antibodies) .



. Students being explained

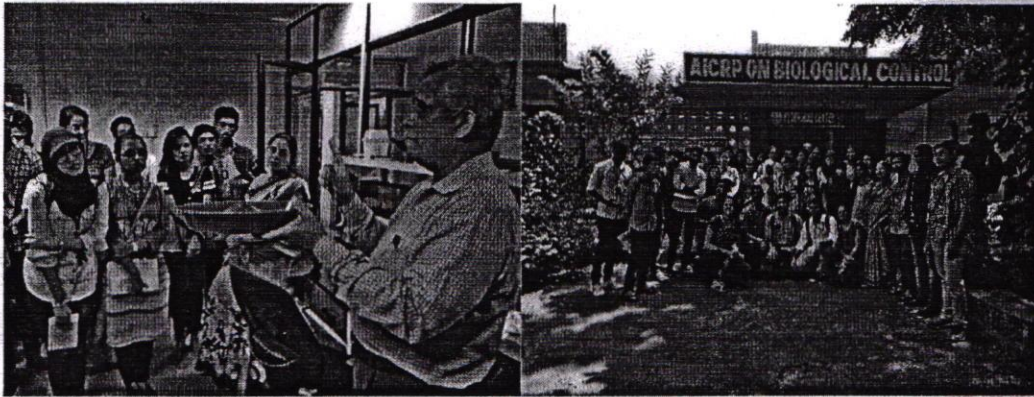


. Students at Museum

2017

Dr. S. Shalini Devi

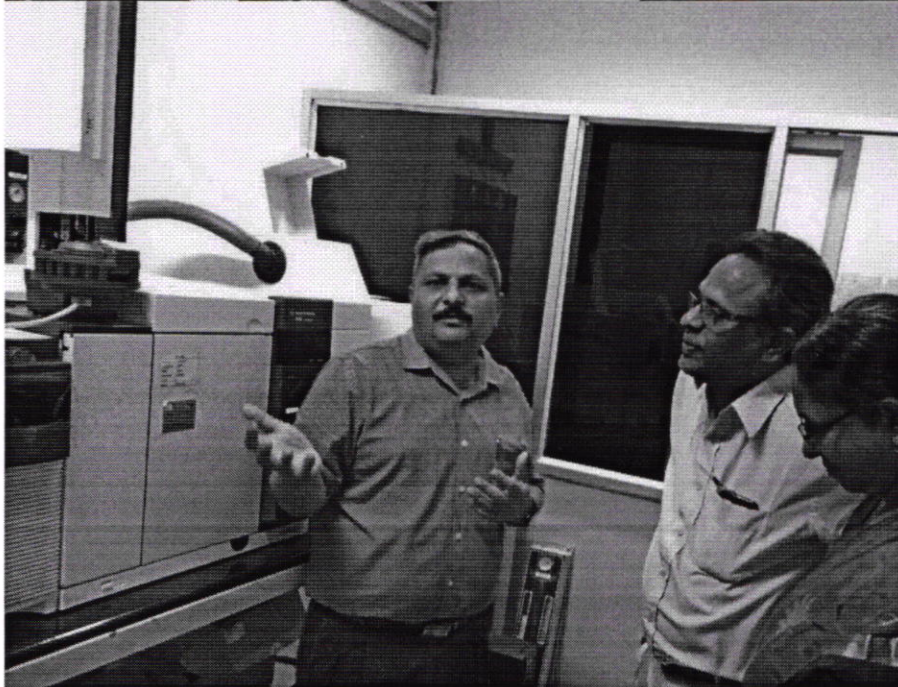
Students of Bsc 2nd year visited Agricultural Research Institute (ARI), Prof. Jayashankar Telangana State Agri. University, Rajendranagar on 9th September 2017 as a part of their skill enhancement course. Forty five enthusiastic students participated in this visit organised by department of microbiology, Bhavan's Vivekananda college, sainikpuri. During this visit, Dr. S. J. RAHMAN, Principal Scientist & Univ. Head of Entomology interacted with students and explained them about various aspects and advantages of biological control. He also encouraged students to take up research programmes in the field of Agricultural microbiology.



Dr. K. Anuradha
Dr. S. PS Sreedhar
Dr. J. Sarada.

IKP (Innovative Knowledge Park) Visit

Department of Microbiology organized an industrial visit to IKP (Innovative Knowledge Park) at Genome Valley. B.Sc and M.Sc Microbiology students were accompanied with the staff members for the visit on 16th September 2017 and 22nd August 2017 respectively. As part of the visit students were given awareness on the support initiated at the IKP for Industrial start ups. They were briefed on the facility for Incubator systems and the guidance for funding for new ventures. Working and applications of the instruments like ICPMS (Ion Coupled plasma Mass Spectrometry), Gas Chromatography, and High Proficiency Liquid Chromatography (HPLC) were also demonstrated.



INDUSTRIAL TRIP REPORT

INDUSTRIAL TRIP AT COCO-COLA PVT LTD ON 20-11-2019

A visit to Hindustan Coca-Cola Beverages Private Limited, Hyderabad, was organized for MBA 1st year students on 20TH November, 2019.

We have started our journey from college campus at 10.15 am. Hindustan Coca-Cola Beverages Private Limited plant located at Ameenpur village near to Miyapur, Hyderabad and reached HCCBPL plant at 11.45 am.

At security point, 'Safety & Security Induction Program @ Coca-Cola' had been played and instructed us accordingly. We are asked to surrender all our mobile phones & cameras at that point and later we are guided to move towards the plant. We are given free samples of their products and Mr. Raju started projecting the video presentation about the key points of Coca-Cola and is explained.

It is only \$20,000 billion beverages company; Coca-Cola has 38 manufacturing units throughout India. These are all explained in detail.



About Coca-Cola Company, the key points are:

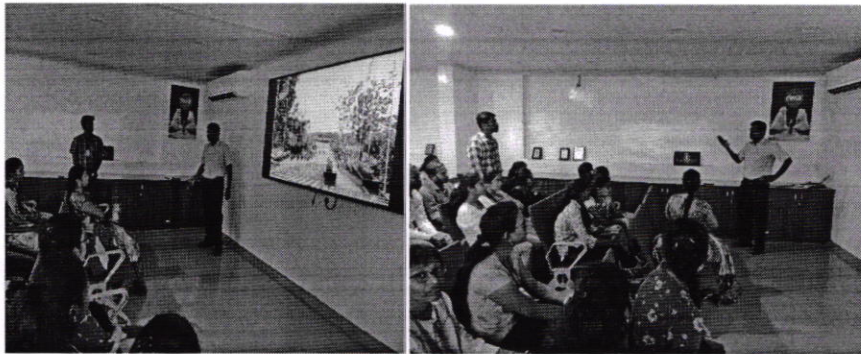
- Various kinds of production like Thums up, Sprite, Coke, Diet Coke, Maza, Kinley (Mineral water & Soda), Minute maid etc.
 - Out of the total Thums up production, in India, 35% is distributed to Telangana state.
 - Coca-Cola never use reuse the plastic bottles for production
 - Couple of steps are taken to clean bottles before filling
 - Each bottle is cleaned carefully for about 20 minutes
 - The cloth used for staff uniform comprises plastic-70% & cloth-30%
- Next, to this Mr. Raju guided us the entire production process in the plant. We were all allowed to see all the observations through the glass windows.

We've been given a quick view and get to know how the production, designing of the commodity as well as the preparation of the syrup is been shown to all of us. This trip was interesting as well as knowledgeable. I would like to extend my gratitude to our HOD sir, for permitting me to participate in this visit. I express my thanks to our principal sir & others for arranging such an innovative & informative program.



Industrial Visit to Coco –Cola Factory**Date: 31.01.2020****Faculty: 2- teachers Mr. V. Selva Kumar, Mrs. P.Rajini****Students: 40 members**

All the students reported in college by 8:15 AM and started our journey towards the factory, which is at Miyapur by 8:30 AM. We reached the location by 10:00 AM. At first, we were given instruction and safety rules to be followed. Then a seminar was given by Surya Narayana (An employee of Coco-Cola company). He gave a brief description about the company and also showed us few samples. Students were given soft drink (which was their product Sprite). Then students moved to visit the factory lines along with lecturers. Surya Narayana Sir was guiding the students about the manufacturing of their products students started their journey back to college at 1:30 PM.



Report on Industrial tour (20th January 2020)

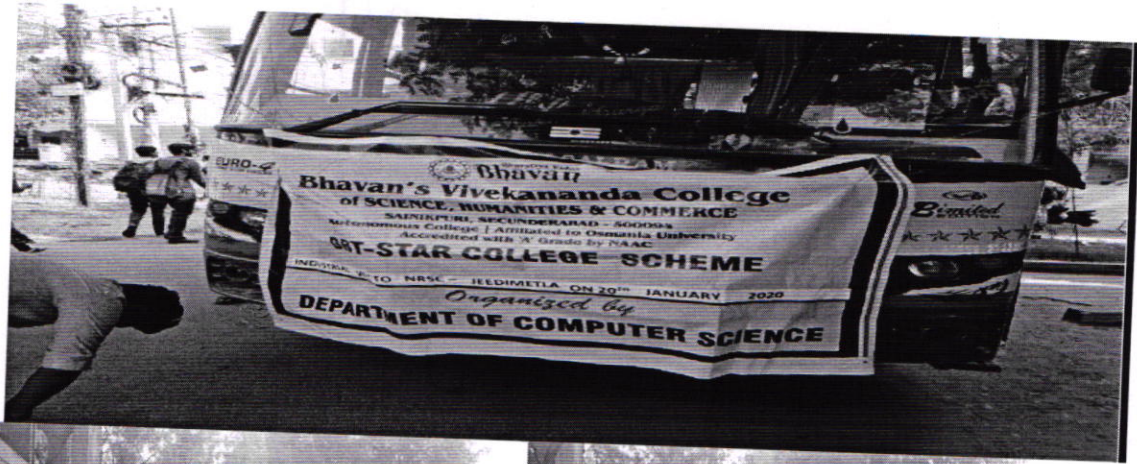
On 20th January, 2020 Bhavan's Vivekananda College visited the campus of **NRSC Outreach Facility, Jeedimetla** as a part of Educational trip for the BCA students of IInd years and III years.

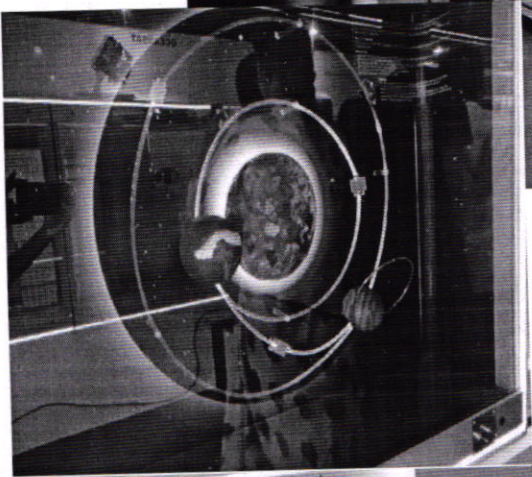
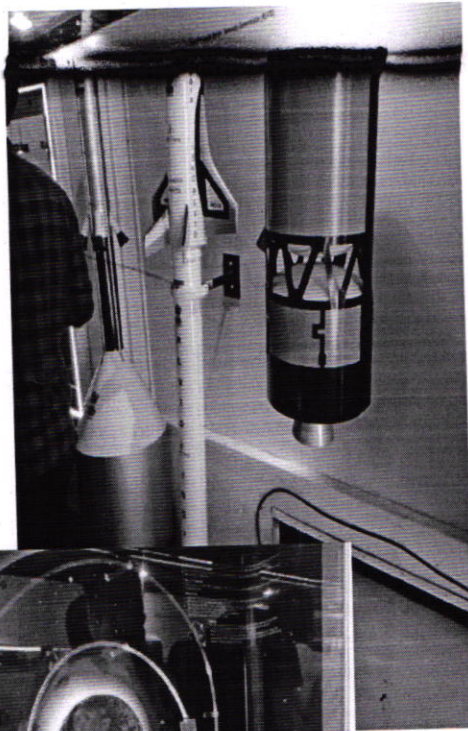
The students have cooperated very well from starting of the trip to the ending of the trip. It was started with the seminar about the satellites and communication between the satellites from the organization of ISRO. They have explained clearly how the communication will be going on in the organization.

They showed us the pictures which had been took from the Indian satellites exclusively. They even compared the pictures of American Satellites with our satellites.

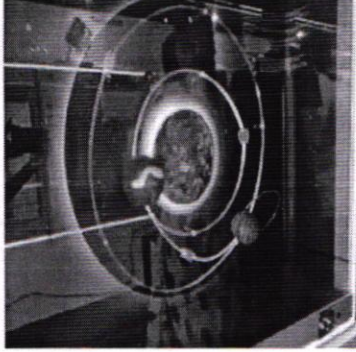
After this, it was followed by visiting the campus and they even exhibited the demo satellites of ISRO and explained about the parts of the satellites and functioning of satellites. It was followed by lunch and the trip was so impressive and knowledgeable to students.

Students were very happy about the Educational trip and requested to organize more Industrial visits like NRSC.



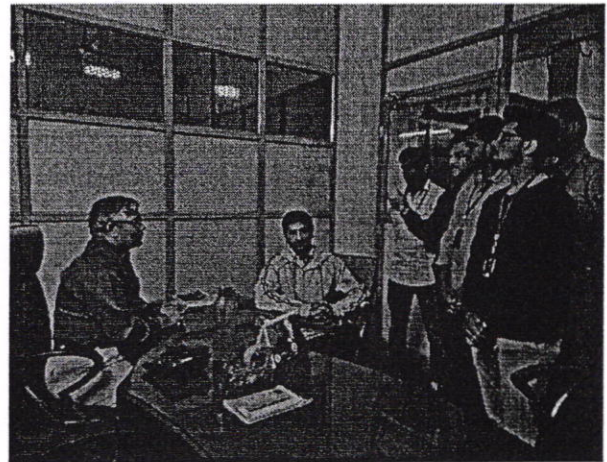
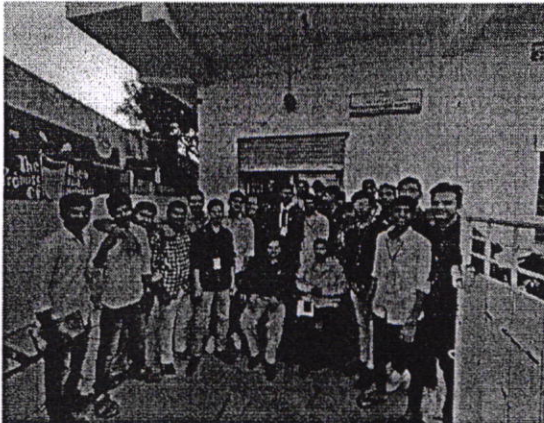


Industrial visit on 20th
January 2020
NRSC Outreach Facility,
Jeedimetla



Industrial visit to Physitech on 14/12/2019

Students of B.Sc. Electronics accompanied by Mrs. M.Prasanna and Mr. T.V.L.N.H Prasad have gone for an Industrial visit to Physitech, Kapra, Hyderabad on 14/12/2019. The students were given demonstrations of the working of Stabilizers and Power Supplies. Power Supply assembling and various modules of Power Supply manufacturing were also demonstrated.



Prasanna
Head of the Department
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Sainikpuri, Secunderabad - 500 094.

CLASS: MBA II YEAR (2017-19)

YEAR:2018-19

SEMESTER: IV

Section : A

ACTIVITY: Industrial Visit- THE TELANGANA STATE DAIRY DEVELOPMENT
CO-OPERATIVE FEDERATION LIMITED (VIJAYA DAIRY)

Date: 22 Dec 2018

Place of visit: Lalapet.

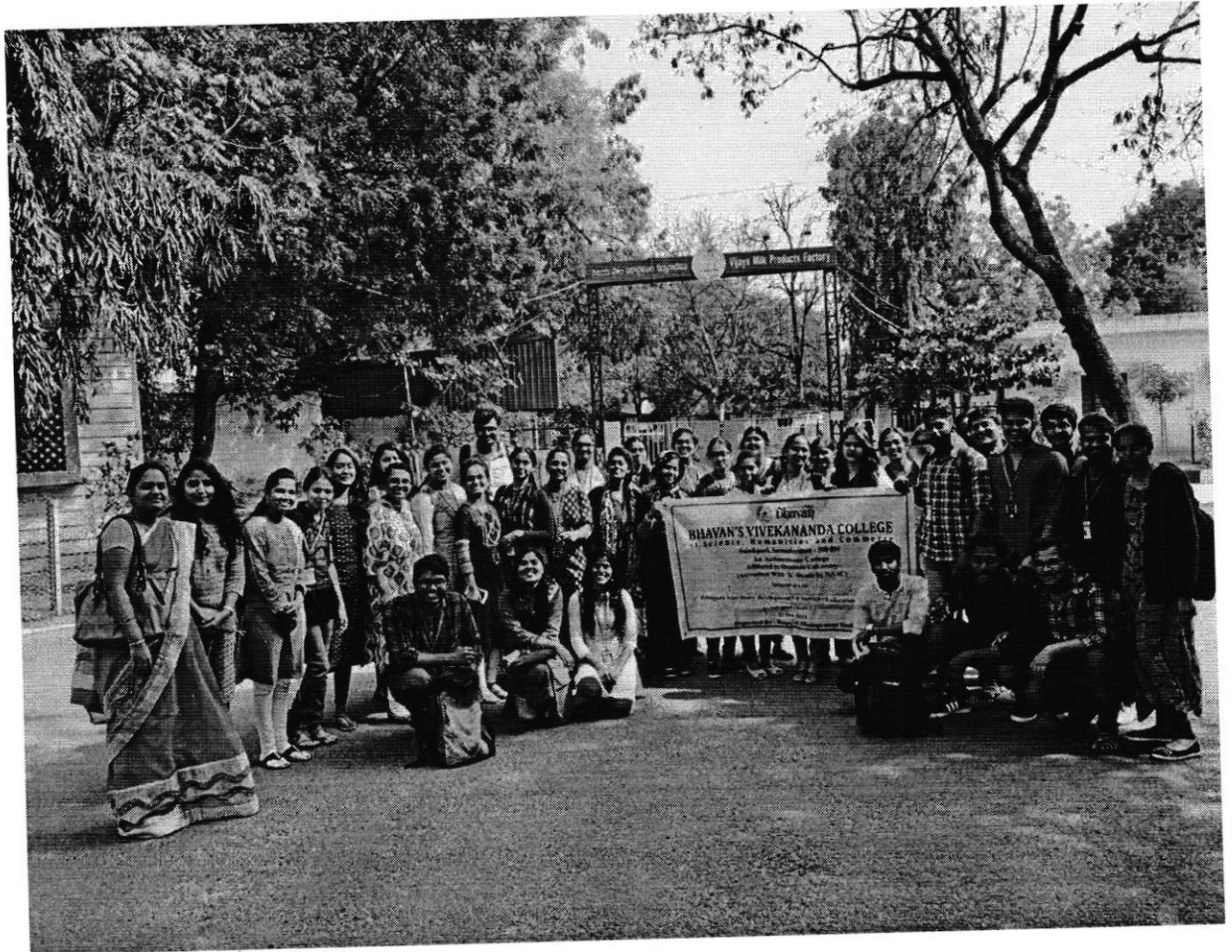
Faculty: Mrs .V. Ashwini

The visit was organised with prior permission and guidance of General Manager, Milk Products Factory. The management was pleased to accord permission to 120 students in 4 batches along with faculties to visit the Milk Products Factory on 22-12-2018 at 11:00 am, without disturbance to regular work.

The state run Telangana state diary development cooperative federation limited (vijaya diary), Hyderabad plant now has a capacity of 4 lakh litres and has drawing up large scale modernisation and expansion to improve the capacity to 10 lakh liters. plants are also situated in Warangal, khammam, nizamabad, mahabubnagr and khamareddy districts.

The TSDDCF has one milk products factory, seven dairies, 11 milk chilling centres and 126 bulk milk cooling units.

The diary has enhanced its milk procurement methods. At present around 5.6 lakh litres of milk is procured from 65000 producers. At present incentives to milk producing incentives are provided to farmers through cooperative societies and union producers.



**INDUSTRIAL
VISIT
REPORT**

Session: 2019-2020



**Bharatiya Vidya
Bhavan**

**Bhavan's Vivekananda College
of Science, Humanities & Commerce
Autonomous College - Affiliated to Osmania University
Sainikpuri, Secunderabad-500094
2019-2020**

A VISIT TO THE MANUFACTURING SITE OF YAKULT DANONE INDIA PVT. LTD IN SONIPAT HARYANA.

Subject: Industrial Visit

Student Coordinator: JerushaCarolyn

Department: Management Studies (MBA II)

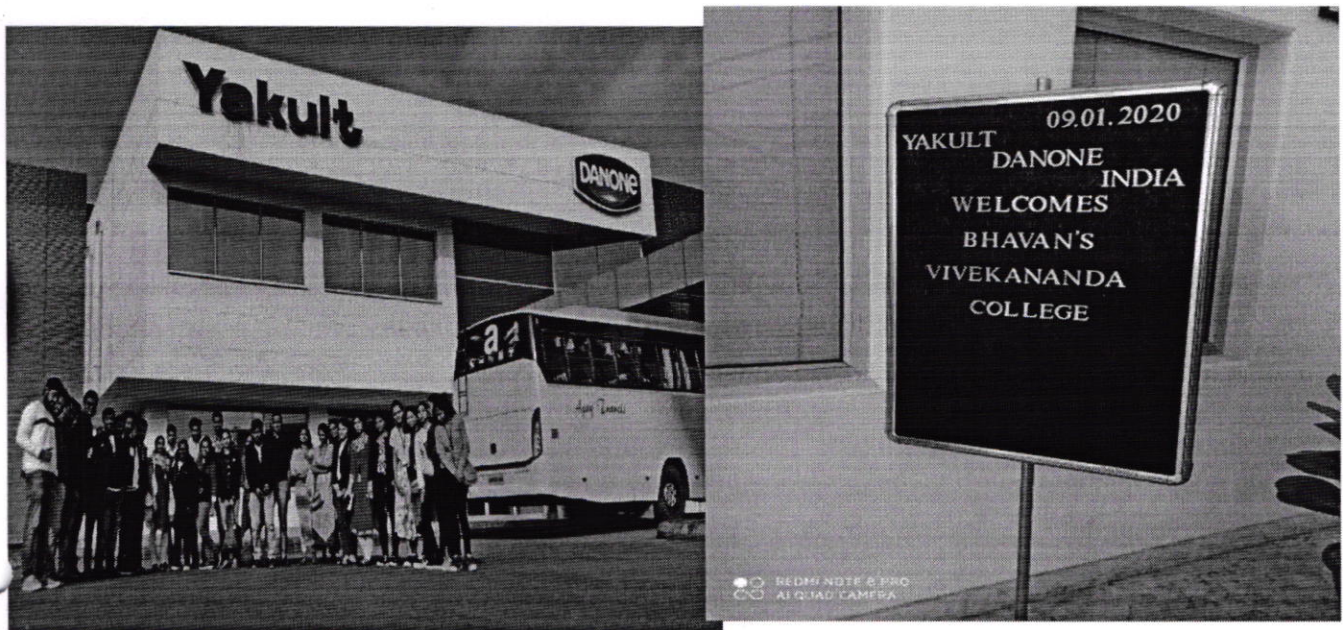
Date: 09/01/2020

Timings: 1pm to 3pm

Faculty present on Industrial Visit: Ms Archana & MrMahendra

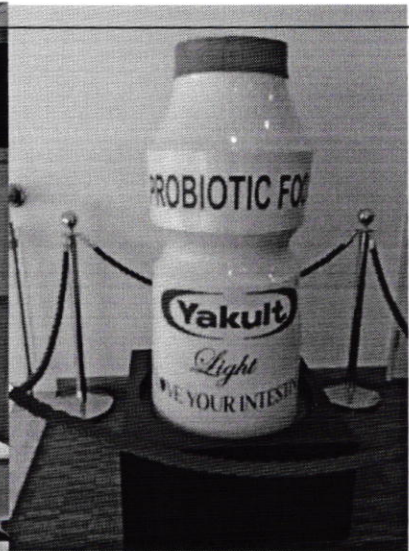
The Department of Management studies has organized an Industrial Visit to have a better understanding of the intricacies involved in applying the theoretical concepts learned by the students. As a part of the programme All the MBA II year students went for the Educational visit for the academic year 2019-20 which was conducted on 9th January 2020. The students were welcomed by the Yakult DANONE Management

Yakult DANONE is one of the Largest selling probiotic drink, globally more than 40 million bottles are consumed daily in 40 countries and regions.



Students moved to the manufacturing area, where the Yakult management showed the students from the process of picking proper ingredients, analyzing them in a way where they have a grade system to send them to production only when approved and packaging system.

The following are Yakult ingredients water, skimmed milk, glucose-fructose syrup, sucrose, and live Lactobacillus Casei Shirota bacteria which are divided in individual sections. All the MBA students were allowed to visit various sections of Manufacturing of the different product lines of Yakult.



At the end of the session's students were given yakult probiotic drinks as goodies to taste the magical drink for stomach [red cap bottles for the sweet tooth and the blue cap bottles (low sugar content) for the health-conscious people]



INDUSTRIAL VISIT REPORT

Session: 2019-2020



**Bharatiya Vidya
Bhavan**

**Bhavan's Vivekananda College
of Science, Humanities & Commerce
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Sainikpuri, Secunderabad-500094
2019-2020**

**A VISIT TO THE MANUFACTURING SITE OF PARLE G BAHADURGARH,
HARYANA.**



Subject: Industrial Visit

Coordinator: Jerusha Carolin

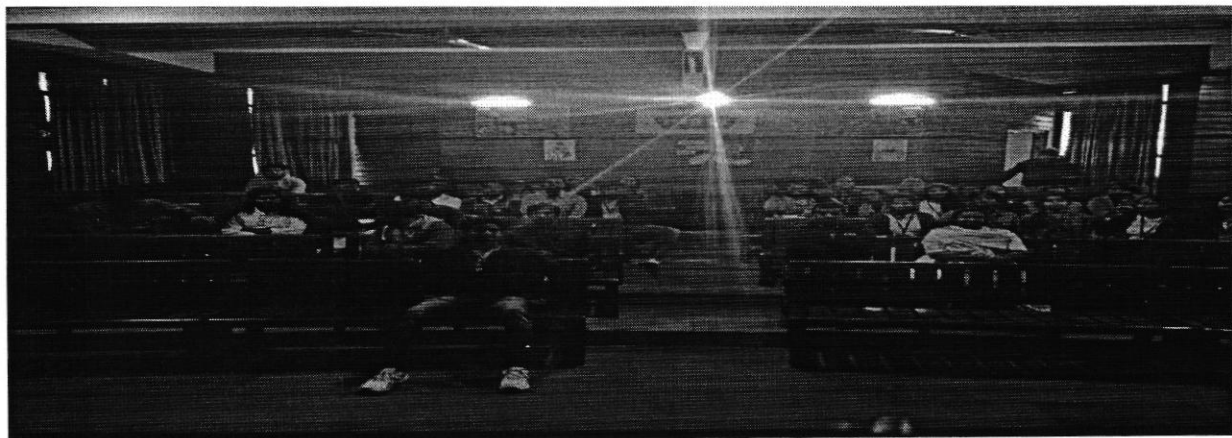
Department: Management Studies (MBA II)

Date: 08/01/2020

Timings: 12pm to 2pm

Faculty present on Industrial Visit: Ms Archana & Mr Mahendra

The Department of Management studies has organized an Industrial Visit to have a better understanding of the intricacies involved in applying the theoretical concepts learned by the students. As a part of the programme All the MBA II year students went for the Educational visit for the academic year 2019-20 which was conducted on 8th January 2020 . The students were welcomed by the **PARLE G** Management



PARLE G Management has given a digital introduction in a creative manner as they explained all their history through some amazing animation characters which began with Parle Products (1950s) owners Vijay, Sharad and Raj Chauhan (founders of the brands **Parle-G, 20-20, Magix, Milkshakti, Melody, Mango Bite, Poppins, Londonderry, Kismi toffee bar, Monaco and krackjack**) their idea to start this particular industry. Also, some amazing known and unknown facts of Parle G such as at a point it was the only biscuit company and they were

many people trying to copy their brand which might have affected their sales. After the presentation session students visited to manufacturing area of **PARLE G** to see the **manufacturing of biscuits, maintenance of machinery, packaging etc.**



At the end of the visit students learned

- If recognition is required , hard work is necessary
- With hard work and dedication, anyone can become great
- To become great students should not compromise, take no shortcuts and to never copy anyone
- Always keep trying to better yourself
- Keep learning new things because there is no limit in acquiring knowledge



FIELD VISIT TO IKP KNOWLEDGE PARK

26th September, 2018 & 1st October , 2018

Chemistry Department had organized a field visit to IKP Knowledge Park on the 26th September, 2018 & 1st October , 2018 for the final year UG Life Science students. 77 students of final year UG Life Science, accompanied by faculty members Ms Mary Nygi Kurian , Ms Prerana Loomba , Dr Rachana Kumari & Ms Moumita Bandyopadhyay visited IKP Knowledge Park in two batches.

The visit to IKP Knowledge Park was very successful.

We were welcomed by Dr. Sangita Sen Majee, Head - Life Science Incubator, IKP Knowledge Park.

Mr. Venkatesh gave an insight about the inception of IKP Knowledge park. His talk threw light on how IKP supports start - ups in Life science industries, by providing them support in the form of space and instruments.

The students were divided into batches. Each batch under the guidance of trained professionals, got a chance to see different instruments like NMR, HPLC, UPLC, GC-MS, Spectrophotometers, incubators, centrifuges, lyophilizers and freezers of different temperatures. Students got awareness of the process of Research & Development of various pharmaceuticals.

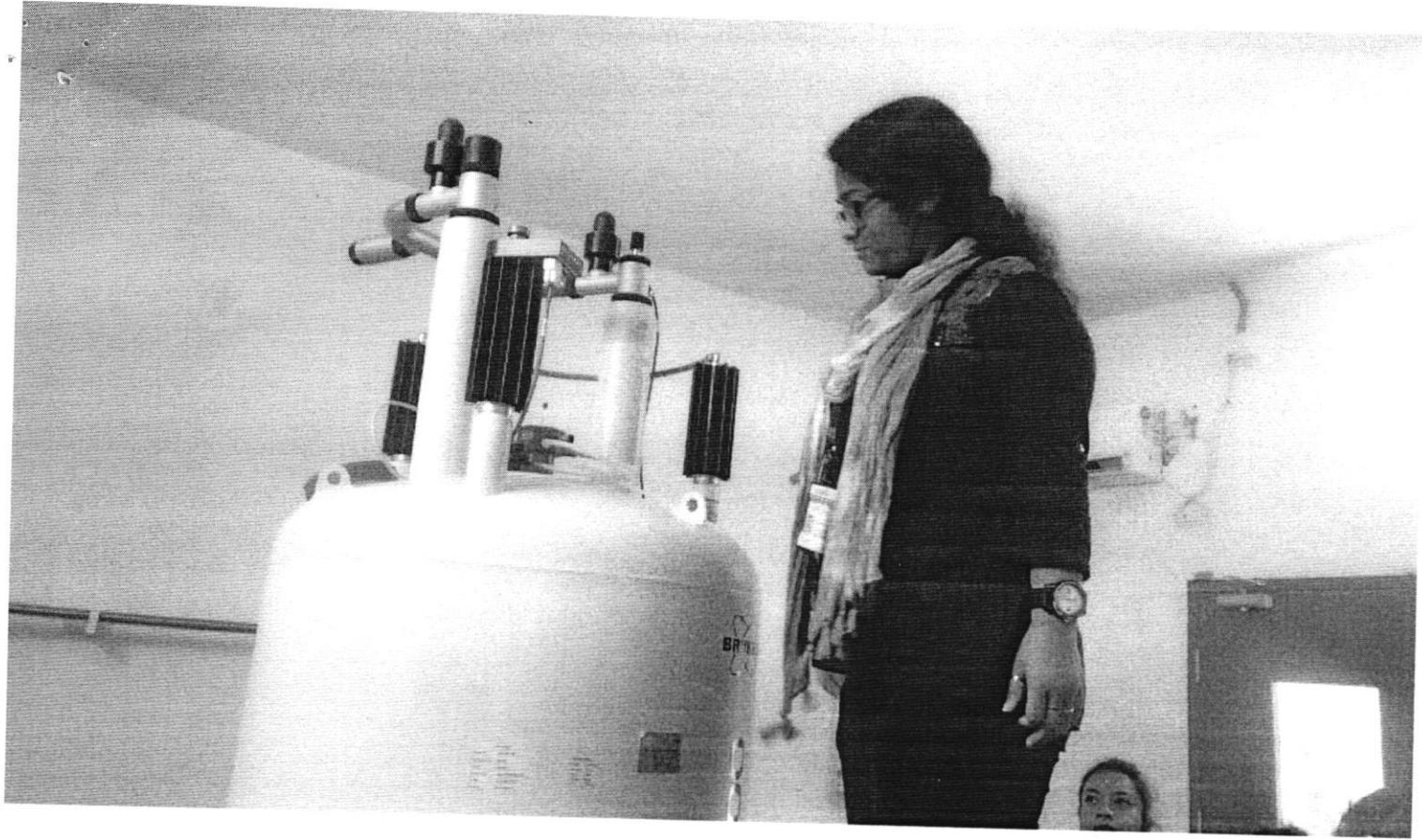


A handwritten signature in black ink, written in a cursive style, located at the bottom right of the page.



Industrial Visits
(18-19)

Amman



Ameyam

6. Institutional trips: -

Trip to NARMUL Mother Dairy

Industrial visit was organized by the faculty of BA department to Narmul Mother Dairy Plant for the final year students on 11th of January 2020, accompanied by Mr. Shiva Trishul and Mrs. Seema Ghosh. The main objective of this visit was to witness the processing of the Mother Dairy Products in the unit and gain insights through the process. Mother Dairy product range includes milk, curd, butter, ice-creams, Badam milk, ghee, Doodh Peda and others.

The Nalgonda- Ranga Reddy Milk Producers Mutually Aided Coop. Union Ltd. (NARMUL) was registered on 25.02.1986. The Union is having 20 Milk Units in Nalgonda , Yadadri-Bhongir, Suryapet districts and 4 in Ranga Reddy and Vikarabad district and one feed mixing plant is situated at Bhongir so as to supply cattle feed to the farmers of the Five districts.

The students were explained about the hygiene and quality that is maintained throughout the production. They witnessed the process of making dhoodh peda, packaging of milk and the test laboratory which keeps a check on the products from time to time. Students also learnt about the distribution economical activities relating to the production.



Students visit NARMUL MOHER DAIRY

Department of Mathematics & Statistics

Mrs Santi Rohit Rao
Mrs G. S. Mini

Report on visit to HCU**Date: 31/01/2020**

Day: Friday

From: Bhavan's Vivekananda College

Started : 8:00 am

Faculty: 3- teachers Mrs GS Mini, Mrs Santi Rohit Rao Mrs T. Santoshi**Students: 50 members**

We reached University of Hyderabad central approximately at 9:45 am. The purpose of visiting University of Hyderabad is because of future education in maths, physics and statistics and research on that subjects. Firstly we went to school of mathematics and statistics. The sirs are pleasantly invited us and given an overview of introduction about University of Hyderabad, how the university functions there, theme and research and also the pride. Professor Padmavati mam had shown an micro presentation of maths and statistics department and courses available etc..., there is M.sc (maths, applied maths, statistics) and pH.D(maths, applied maths, statistics). There is big data analysis started in 2014 and machine learning using program R.

The university of Hyderabad works / functions as semester based, they are 4 semesters and at 3-4 semester the students get to decide for jobs / research stream.

Nextly the sir explained how the entrance tests goes and the pattern includes followed by the researcher Professor Suman Kumar sir explained the pure and applied maths and given an brief of which researches are working on what.

Professor Suman Kumar, Professor Radha and Professor Padmavati mam were worked under fluid dynamics and separately Professor Suman Kumar sir working in biological data base and probability and Professor Madhu sudhan sir working on statistical research.

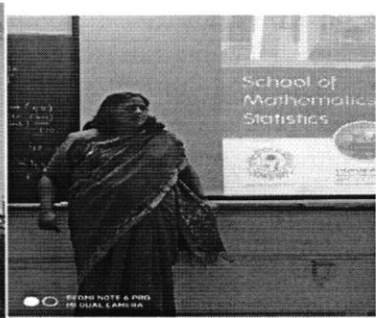
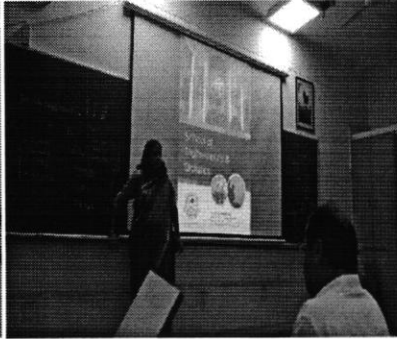
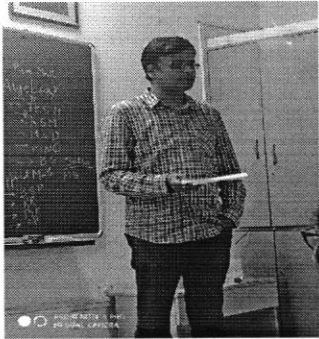
After that we interacted to placement coordinator and followed by a break. They are 2 coordinators, they explain how student union works, about placement, hostels etc.....,

Next we went to Mahatma Gandhi library it was quiet some nearer to main gate of University, the Librarian explained how and what about the functionality of library, I observed that it is mostly E- library, they so many books, they recorded every issues and returns there is a binding room, Xerox room, printing and scanning for blind people room, all the old documents, books are scanned and creating as e- books, the Librarian also said about how they safe the projects journals he also mentioned about anti plagiarism. We have seen a mistaken book without permission. We get a beep sound at the security board (because of magnetic strip). We have lunch which is provided by the university.

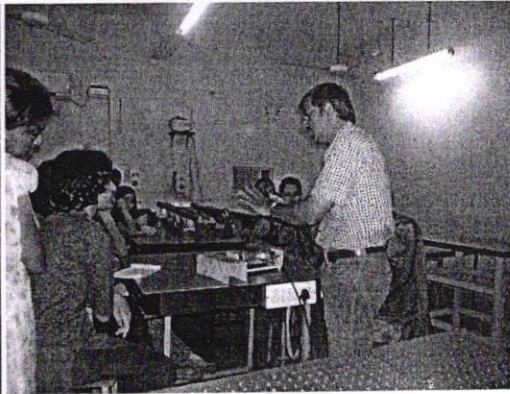
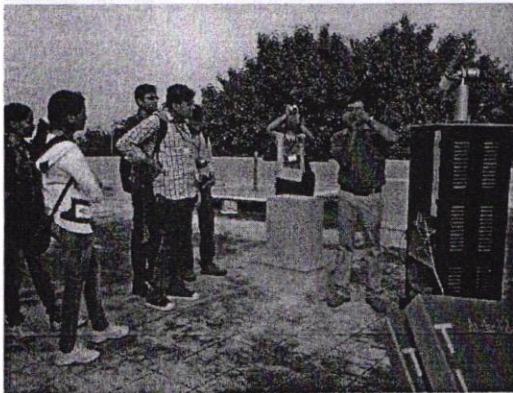
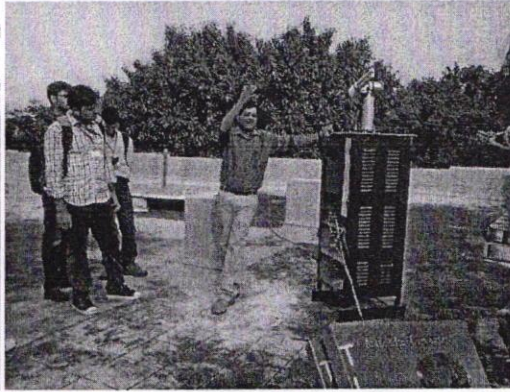
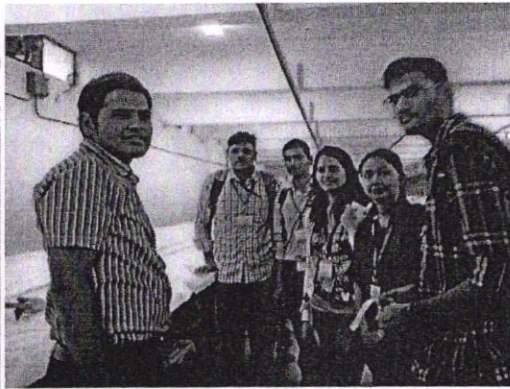
After that almost at 3:00pm we have went to school of physics. The professor explained how to explain how to understand physics later they were taken us to practical labs as 2 batches, they for we went to rapid prototyping lab it is 3d- printing lab, one of the students also a researcher showed how it works, he explained in detail about that how we print them in 3d (CAD files to G- Codes and also a CNC) there are 3- types of apparatus edititive and subsrative, the showed the programming and models he presenting researching for rocket science. Later we went to X-ray diffraction lab with Jyothi mam. she explained the phenomena and how it works with UV disple. They usually deal with ceramics.

Following we went to another place Integrated course, there we seen all the experimental apparatus and that sir especially explained about the measurements and it's resolution.

It almost 5:30pm we ended our trip. I am very glad and thankful for our teacher and thank you for the professor that they patiently explaining about there research and course.



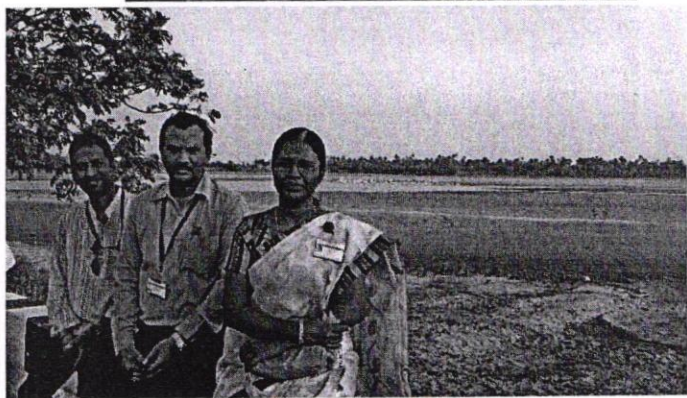
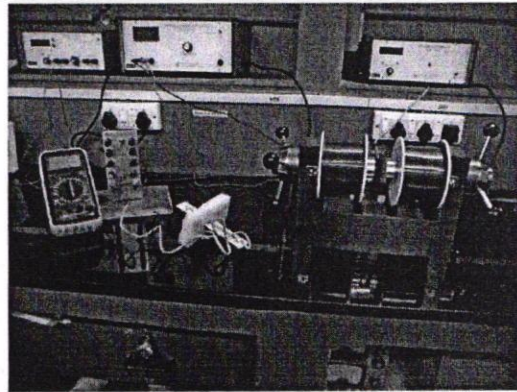
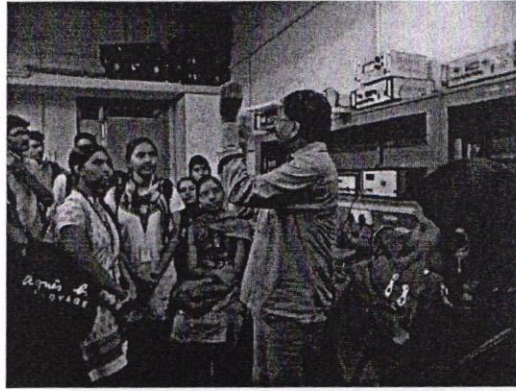
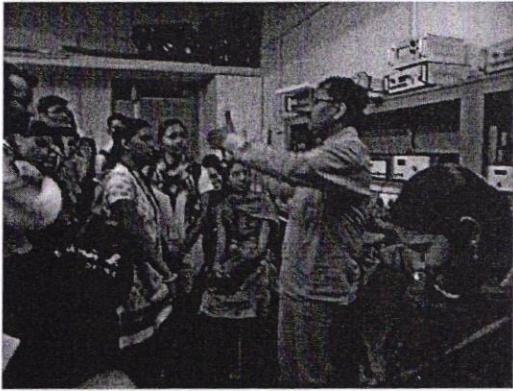
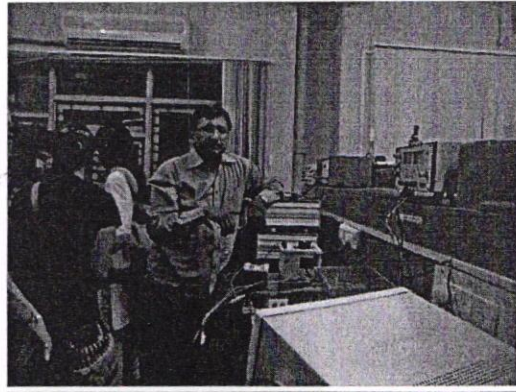
Institutional Visit



Boswell

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Institutional Visit



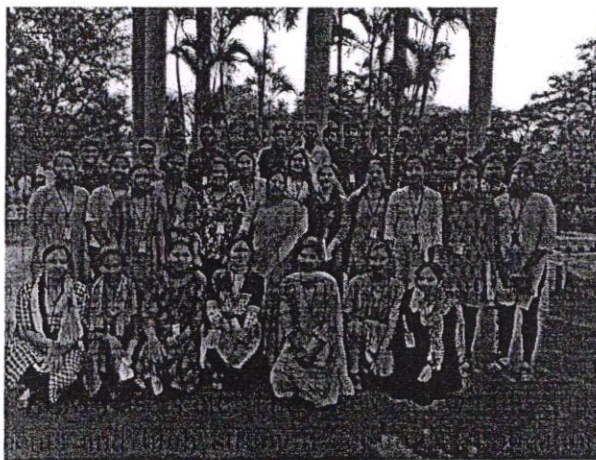
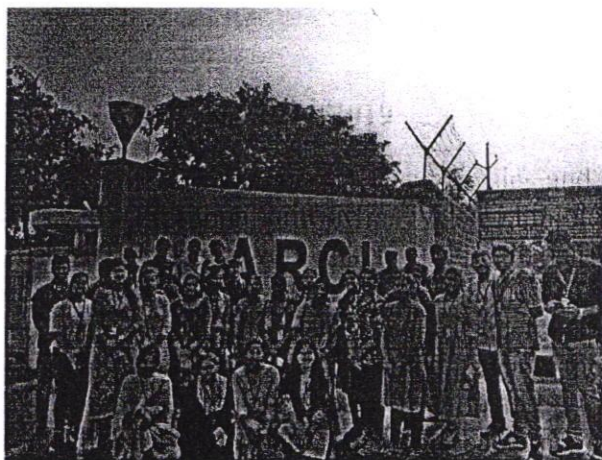
Poojitha

Head of the Department
Department of Physics & Electronics
Bharathi Vidyalaya, Sainikpuri, College
Sainikpuri, Secunderabad - 500 094.

Institutional Visit

Visit to ARCI on 20/12/2019

A group of 35 students of B.Sc. Physics and Electronics accompanied by two faculty members Mrs. M. Prasanna and Mrs. V.R. Manjula visited various labs of ARCI, Hyderabad on 20/12/2019. They were taken around to various labs such as CMCT, CNM and CLPM by a group of scientists where they explained to them the current research in fields such as Nano materials, use of different Lasers used for specific purposes such as welding and drilling and materials characterization. Students got the opportunity to see the working of scientific Instruments such as X-Ray diffractometers, TEM, SEM Lasers etc. They were shown the Super Capacitors, Li ion batteries, Anti bacterial garments and high strength ceramics applications made in various Centers of ARCI.



Prasanna
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FIELD TRIP to UNIVERSITY of HYDERABAD on 31/01/2020

Institutional visit: 52 students of B.Sc. MPCs and MECs accompanied by faculty members Mrs GS Mini, Mrs Santi Rohit Rao and Mrs T Sai Santoshi, got the opportunity to visit School of Maths, Indira Gandhi National Library and Integrated PG Course lab and various labs of **School of Physics**, HCU on 31-01-2020.

The faculty of School of Mathematics, Student Union members and Placement cell student coordinators addressed the students, after which they were taken to Indira Gandhi National Library where the computer section head and his team explained about the computerization and facilities of the library. Followed by lunch break, the students visited the School of Physics, where they enquired about the working of X-Ray Diffractometer and Spectrophotometer. They also visited Integrated PG Course lab where they were briefed up with the details of HCU entrance examination and the Research facilities available.

Santoshi

Pooja

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Subject: Re: student visit feedback

From: Prem Kiran Paturi <premkiranuoh@gmail.com> on Sun, 02 Feb 2020 17:31:42

To: gs mini <gs.mini@rediffmail.com>

Dear Mini madam,

Thank you for the feedback. I hope I have not talked too much.

I am actually surprised to see the experiments you have at your labs. I will be glad to share the other experiments we have here so that your college can become another most sought after destination for B.Sc.

Best Wishes

P. Prem Kiran,

School of Physics, University of Hyderabad,

Prof. C.R. Rao Road,

Gachibowli, Hyderabad - 500 046

e-mail: prem@uohyd.ac.in, premkiranuoh@gmail.com

Tel: 91-40-23134308

Fax:91-40-23012800

On Sat, Feb 1, 2020 at 11:15 AM gs mini <gs.mini@rediffmail.com> wrote:

Sir,

We the students and faculty of Bhavan's Vivekananda college would like to thank you for the permission to visit your esteemed university. The visit was fruitful. Students were very inspired by the exposure they got. We appreciate the interest you have taken to demonstrate the principles in physics.

Thank you

G.S.Mini

Assistant professor in mathematics

Santosh

Mini

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhava's Vivekananda College
Sainikpuri, Secunderabad- 500 094.

7. Poster presentation: -

Faculty of Arts had conducted a poster making competition on 18th September on the topic 'Body Shaming and LGBTQ' in the New Academic Block to create awareness about the Supreme court's order of Decriminalisation of section 377. Students from other departments had participated in the event in a large number. The competition kicked off at 3 p.m. and went on till 4:30 p.m. Every contestant presented their creative skills and produced a poster which are attractive, informative and thought provoking. Prof. Y. Ahok, the Principal of the college, had expressed his gratitude and suggested the students to think out of the box and come up with such interesting topics. 'Sexual orientation is an individual's choice and the Supreme court of India declaring it as a fundamental right is a welcoming move' says Mr. Shiva Thrishul, Lecturer, Mass Communication. The Judges for the day were Ms Manali Bose, Ms Madhuri and Mr. Shiva Thrishul who expressed their happiness for witnessing such a good event. Ms Parveen Khan, Ms Seema Ghose and Mr. Bibhudendu Das presence added colour to the event.



Poster Presentation

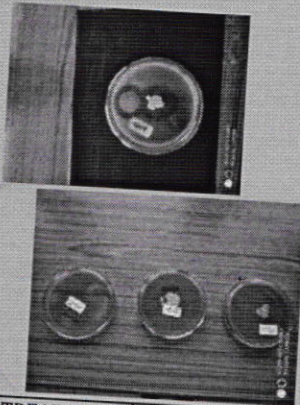
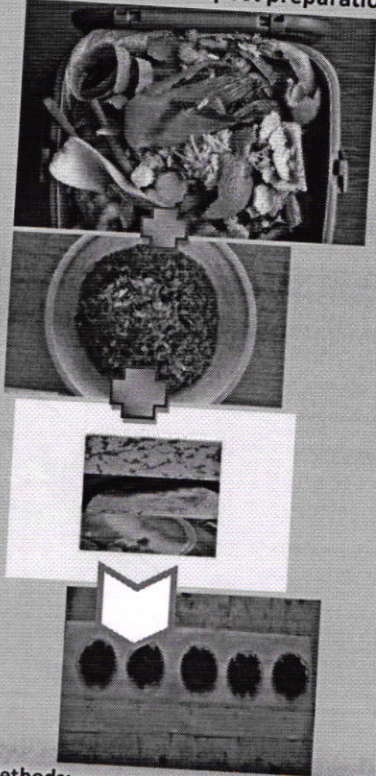
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of Science, Humanities & Commerce
Estd : 1993- Affiliated to Osmania University- Sainikpuri, Secunderabad -500094
Autonomous College

SCREENING OF SOIL MICROBES WITH COMPOSTING AND PLANT GROWTH PROMOTING CAPABILITIES

BY: CH. JAYA LAKSHMI; A.SAI SHRAVANI; GNANAMBIKA SINDHE; Dr. SHALINI DEVI*

Abstract: Bacterial and fungal strains (F-1, B-1 and B-2) isolated from soil samples were screened for production of various enzymes. Effect of these on isolates on degrading kitchen waste to produce compost was studied. Grinded vegetables, eggshells, dried leaves, cocopeat, paper waste were subjected to composting by the selected isolates.

PROCEDURE: compost preparation

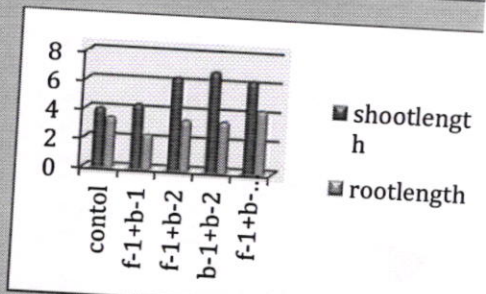
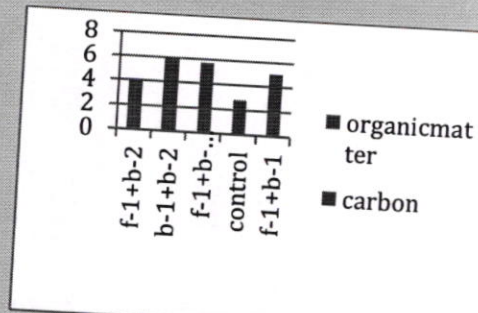


TREATMENT	TYPE
01	F-1+B-1
02	F-1+B-2
03	B-1+B-2
04	F-1+B-1+B-2

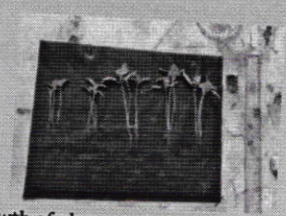
RESULTS AND DISCUSSION:

- Enzyme activity of selected isolates are conducted using effective assays.
- Indole-3-acetic acid (IAA) production of isolated microbes are conducted using salkowski's reagent.
- Parameters such as: root length, shoot length, no. of leaves no. of roots and %organic carbon and organic content is estimated.
- Results obtained are compared with CONTROL.
- Organic matter is calculated using formulae:

$$\%C = \frac{(B - S) \times M \text{ of } Fe^{+2} \times 12 \times 100}{W \text{ gm} \times 4000}$$



It is seen that significant growth of plants is seen in the treatments: b-1+b-2 and f-1+b-1+b-2.



growth of plants in the compost.

References : www.betterindia.com -use of kitchen waste as compost.

Walkley,A,1947-a critical examination of determining organic carbon in soil. Soil sci.63:251-264.

Methods:

Organic matter: Walkley Black method

For IAA production: Salkowski's Reagent

Enzyme Production: Enzyme assay

Plants Used for Studying: Solanum lycopersicum

Considered Parameters: Shoot length & Root length




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 Accredited with 'A' Grade by NAAC

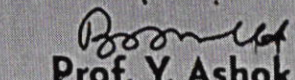
Two day National Seminar on
"Innovations in Nanobiotechnology"
 27th and 28th February, 2019

Certificate





This is to certify that Dr/Mr/Ms. Anjali R has attended the National Seminar on "Innovations in Nanobiotechnology", organized by the Departments of Microbiology and Biochemistry on 27th and 28th February, 2019. He/she also participated in Quiz/ Scientific writing /Research Paper/ Research Poster/ Literature based Poster presentation Studies on effect of Electromagnetic radiation on Skin microbiota and Yeast cell and won 1st prize.


 Dr. K Anuradha / Dr. A. Sai Padma
 Convenors




 Prof. Y. Ashok
 Principal

J. Sarada
Poster presentⁿ



Bharatiya Vidya Bhavan



BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES & COMMERCE

SAINIKPURI, SECUNDERABAD-500094.
Autonomous College - Affiliated to Osmania University, Hyderabad.

TWO DAY NATIONAL SEMINAR ON "INNOVATIONS IN NANOBIO TECHNOLOGY" 27TH and 28TH February, 2019

ANALYSIS OF PON1 ENZYME ACTIVITY IN SERUM SAMPLES OF THYROID PATIENTS IN TWIN CITIES

Savanthi and J.Sarada


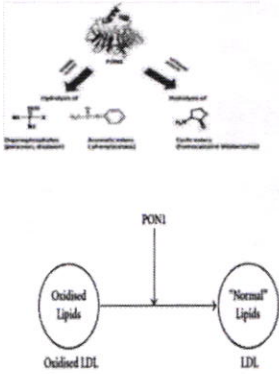
ABSTRACT :

- Paraoxonase is a high density lipoprotein associated enzyme which has functional role in both organophosphate and oxidative stress.
- Performs many biological functions.- exhibit anti-oxidative, anti-inflammatory, anti-atherogenic, anti-diabetic, anti-microbial and organophosphate hydrolysing properties.
- Lowered activity of PON enzyme results in neurological diseases.
- Oxidation of iodide to iodine is important step for thyroid hormone. This reaction is catalysed by thyroid peroxidase, involves H₂O₂ and oxidised iodine. Therefore a certain oxidative load level in thyroid gland is required for thyroid hormone synthesis. Strong anti oxidant systems exist to protect thyroid cells against increased levels of oxidants.
- Changes in serum lipid and lipoprotein concentration leading to disorders of thyroid function commonly.
- So present work carries analysis of serum levels of PON1 activity in normal and thyroid patients.

INTRODUCTION :

- Paraoxonase enzymes are the mammalian enzyme with arylalkylphosphatase activity.
- There are 3 isoenzymes, they are PON1, PON2 and PON3.
- They have esterase and lactonase activity.
- It is located in long arm of chromosome 7 and molecular mass 43-45Kd, E.C.No.3.1.8.1.
- Because of their association with HDL and their effect on oxidised LDL, PON1 is implicated in lowering the risk of developing coronary artery disease and atherosclerosis.

3D Structure: PON1 activity :

THYROID

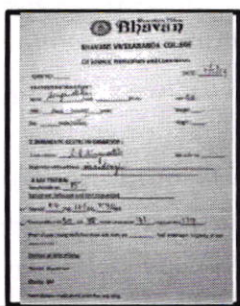
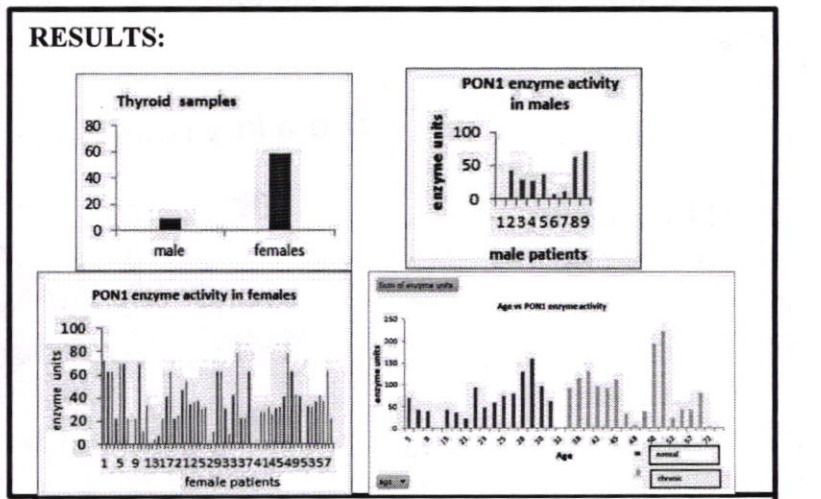
Thyroid is a medical condition that affects the function of thyroid gland. It is an auto immune disorder. LDL cholesterol oxidation susceptibility is higher in the thyroid patients than in normals. So there is reduction in PON 1 activity in those patients.

MATERIALS AND METHODS :

- Reagents used are Aryl esterase assay buffer and substrate used is phenyl acetate.
- Serum sample collected from diagnostic centres like EDWIN, S.S.DIAGNOSTICS, MADHURI DIAGNOSTICS and LIONS CLUB.
- In this assay paraoxonase catalyses the cleavage of phenylacetate into phenol. The rate of formation of phenol is measured by monitoring the increase in absorbance at 270 nm. U/L=Absorbance/min *F.

STEPS FOR THE ASSAY:

- Turn on the spectrophotometer set at 270nm
- Set assay temperature at 25 degree Celsius.
- Set 0 at 270nm with distilled water.
- Pipette the 1ml assay buffer and 6.5 micro litre sample. Pipette gently up and down.
- Place the cuvette and record the absorbance.

DISCUSSION:

- Among these serum samples collected, more cases of thyroid were reported in females than men.
- Among men, 50% of males are in normal range, 20% are very high range and 20% are very low range of PON1 enzyme activity.
- Among females, 25% are of high range, 24% are in low range and 40% are of normal range.
- Between male & female serum samples, females were observed to have more PON1 activity than males.

REFERENCES :

- F Azizi, F Raiszadeh, M t Solati journal of endocrinological investigation. <https://www.researchgate.net>
- <https://rd.springer.com>
- <https://www.ncbi.nlm.nih.gov>

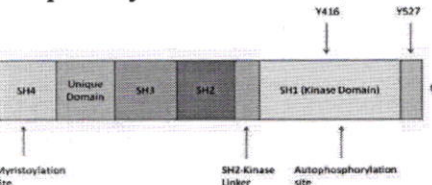
Bhavan's Vivekananda College, Sainikpuri, Secunderabad

Department of Microbiology

Topic- Src signalling in Sarcoma,

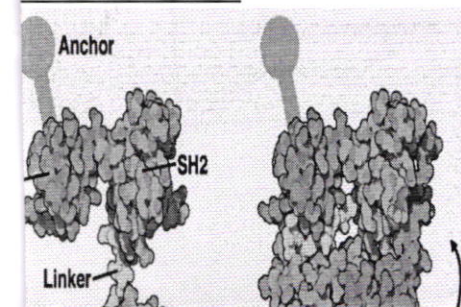
by Esha, Sanmita, Hemalatha, Lavanya and Ravi

Introduction: SRC is a proto-oncogene encoding a non-receptor tyrosine kinase,



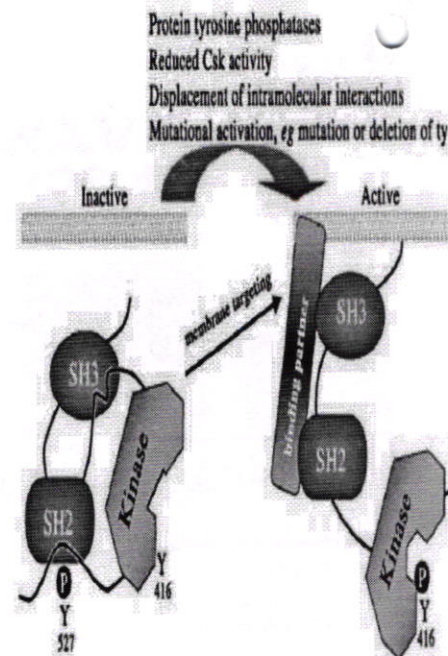
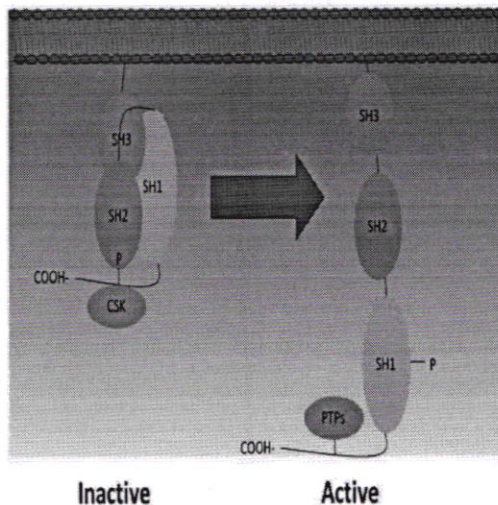
similar to the v-Src gene of the Rous sarcoma virus. The Src protein is formed of seven functional regions: i) N-terminal Src homology domain (SH4) containing a myristic acid moiety, essential for its localization to the inner surface of the cell membrane; ii) a unique domain providing functional specificity to each member of the Src family; iii) SH3 domain, which binds proline-rich sequences to mediate intra- and intermolecular interactions; iv) SH2 domain, which binds phosphorylated tyrosine residues on Src and other proteins; v) a catalytic domain (SH1); and vi) C-terminal tail containing negative-regulatory tyrosine 530 (in humans).

3D Structure:



Classification: Src kinase family is a family of non-receptor tyrosine kinases that includes nine members: Src, Yes, Fyn, and Fgr, forming the SrcA subfamily, Lck, Hck, Blk, and Lyn in the SrcB subfamily, and Frk in its own subfamily.

Schematic representation of Src in the inactive (left) and active (right) states.



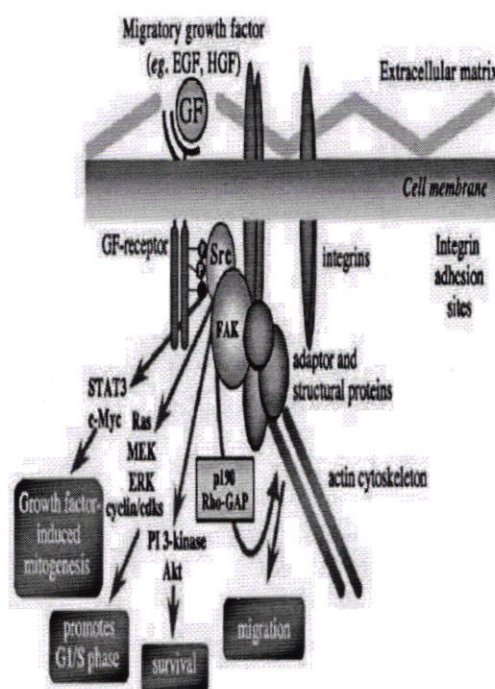
Functions:

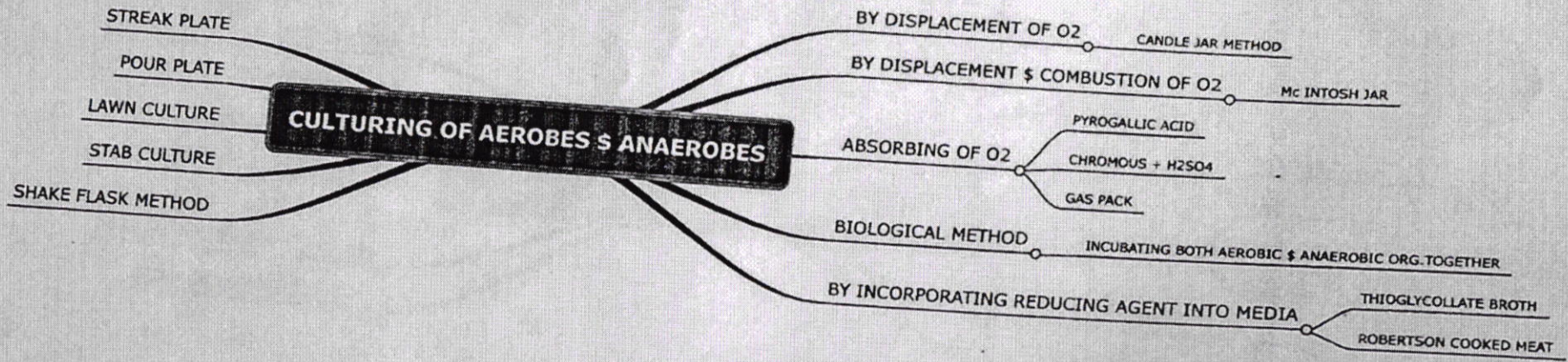
- Src aberrant expression in sarcoma.
- Src in sarcoma proliferation and apoptosis.
- Src in sarcoma invasion and metastasis.

References:

- Valkov A, Kilvaer TK, Sorby SW, et al: The prognostic impact of Akt isoforms, PI3K and PTEN related to female steroid hormone receptors: soft tissue sarcomas. J Transl Med. 9:2002011. View Article : Google Scholar : PubMed/NCBI
- Helman LJ and Meltzer P: Mechanisms of sarcoma development. Nat Rev Cancer. 3:685-694. 2003. View Article : Google Scholar : PubMed/NCBI
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Src a key regulator:





Chaitanya

Vaishal Kumar
MBic 1st year

RP 5 Extraction and purification of carotenoids from vegetables and fruits

A.Mounika and A.Sai Padma*

Department of Biochemistry, Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad.

Carotenoids are a class of phytonutrients having important antioxidant, anti-cancer, anti-inflammatory and immune system benefits. Some carotenoids are converted by body to Vitamin A which is essential for vision, growth and proper development. Animals cannot synthesize carotenoids themselves and they have to get it in their diets through vegetables and fruits. The present study aims at providing public health awareness by measuring the levels of carotenoids in various fruits and vegetables and suggesting the best sources of these nutrients for their daily consumption. The isolation and estimation of the compounds was based on solvent extraction and TLC separation methods. The experimental results here provide the amounts of carotenes and xanthophylls in the descending order as Carrots (*Daucus Carota*) -17.6 mg/100g., Spinach (*Spinacia oleracea*)-4.4mg/100g, Orange (*Citrus sinensis*)-1.8mg/100g, red capsicum (*Capsicum annum*) -1.44mg/100g, yellow capsicum (*Capsicum annum*)-1.32mg/100g, muskmelon (*Cucumismelo*)-1.32mg/100g, Papaya (*Carica papaya*)-1.08mg/100g and Sweet potato (*Ipomoea batatus*)-0.6mg/100g. The data indicates that Carrots are rich source and Sweet potatoes are the poor source of carotenoids from vegetables and fruits that were chosen for the study.

Key words: TLC, Red capsicum, Yellow Capsicum, Carrot, spinach, Papaya Sweet potato, Muskmelon, Orange

RP6 Different microbial flora and their enzymatic activities during tea waste composting

Akhila.G and Mrs.S.Chaitanya kumari *

Department of Microbiology
Bhavan's Vivekananda College of sciences, Humanities and Commerce, Sainikpuri, Secunderabad-94, Telangana
1*Corresponding Author : chaitanyatadakapally@gmail.com

Proper management of solid waste is a major problem in most of the metropolitan areas. Composting is one of the oldest and simplest methods of organic waste stabilization. Composting tea waste is not only an environmental safe method of its disposal but also enhances the growth of the plants as it contains nutrients and tannic acid which create a more fertile environment. In the present study composting of tea waste with variations in type of soil, type of cattle dung and type of tea leaf waste was studied. From this physical, chemical, biological activities and soil enzymes such as cellulase, pectinase, proteases, amylases, xylanase activities were studied in various combinations like black soil, red soil, tea waste, green tea leaves waste along with cow dung, buffalo dung, goat manure in a ratio of 2:2:1 for a time period of 30 days.

Analysis of soil with tea waste and cattle dung revealed that compost soil underwent changes in all measured physicochemical, biological and enzymatic parameters like moisture content recorded as 1.6%, highest temperature as 46° C and percentage of microbial population like bacteria as 60% and fungi as 40% were observed in the compost soil. Higher enzyme activities such as protease, pectinase, xylanase were observed with bacterial isolates comparatively with fungal isolates. PGPR activities such as IAA, Siderophore production, phosphate solubilization and organic acid production were also observed. Improved soil microbial and enzyme activities in cattle dung soil is an indication of improvement in soil fertility. Therefore the produced compost can be used to increase the crop yield and simultaneously decreasing the environmental pollution.

Keywords: Tea waste, cattle dung, physico-chemical-biological activities, PGPR activities.

RP 19 Isolation and characterization of pigment producing Bacteria from Musi river samples

G.Sai Tejaswini and Aparna.Y*

Department of Microbiology , Bhavan's Vivekananda College,
Secunderabad, Telangana

Corresponding author e mail ID –aparna_y.micro@bhavansvc.org

Pigment production is a unique character found only in few bacterial species. Bacteria produce pigments for various reasons. Some play a role in photosynthesis while in some it is an important virulent factor. However bacterial pigments are gaining commercial importance in various industries like food industry, textile industry, cosmetic industry, pharmaceutical and other industries. Bacterial pigments are advantageous over other plant or synthetic pigments as they are highly economical, feasible extraction procedures, easy manipulation for strain development, Eco friendly approaches, no loss or wastage of raw materials and so on. The colour producing bacteria has many applications in day to day life.

Keeping this in view, the present study was undertaken to Isolate and characterize pigment producing bacteria from various sources. After preliminary screening, a red pigment producing bacteria was isolated from Musi, a polluted river flowing in Hyderabad. The bacteria is characterized by various morphological, biochemical and enzymatic characterization. The data generated was subjected to identification by using online bacteria identification software and identification matrix. The output revealed the bacteria to be a member of enterobacteriaceae belonging to genus *Serratia* producing a pigment Proigiosin. Extracted pigment was tested as fabric dye.

Keywords: Enterobacteriaceae, *Serratia*, Red pigment, Prodigiosin

RP 20 Screening for antifungal activity exhibiting plant extracts on selected pathogens -*Alternaria* and *Fusarium*

Sunitha and J.Sarada*

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Sainikpuri, Secunderabad-94, Telangana State

Corresponding author email ID –saradavenkatj@rediffmail.com

Pathogenic fungi cause infections during developmental and post-harvest in various plants. Some fungi are also responsible for allergic or toxic disorders among consumers because of mycotoxins or allergens. Generally, phytopathogenic fungi are controlled by synthetic fungicides; however, their use increasingly restricted due to the harmful effects of pesticides on human health and the environment. With increasing demand of production and regulations on the use of agrochemicals and emergence of pathogens resistant to agrochemicals justifies the search for novel active molecules. Plant kingdom has provided a variety of compounds of known therapeutic properties, like analgesics, anti-inflammatories, medicines. These phytochemicals can be explored for their effective use as biocontrol agents.

The aim of the study was to evaluate the antifungal activity of extracts of 10 plant species against the phytopathogenic fungus *Alternaria* spp. Aqueous, saline buffer and acid extracts of different plant species were screened for their antifungal activity against *Alternaria* and *Fusarium* spp. Minimal inhibitory concentration (MIC) and minimum fungicidal concentration (MFC) of the extracts were determined by micro spectrophotometric assay. These extracts showed maximum activity, even at very low concentrations. Antifungal activity of plant extracts were compared with known chemical fungicide for understanding their efficacy.

Key words: Fungicidal properties, antifungal activity, *Alternaria*, *Fusarium*.

7, 8

Poster Presentation



Bhavan's Vivekananda College

of Science, Humanities and Commerce

Sainikpuri, Secunderabad-500 094

(Accredited with 'A' Grade by NAAC)

Autonomous College - Affiliated to Osmania University

Report for the year 2019-20

Department of Mathematics & Statistics.

1. Name of the Department if the programme is conducted inside the college:
Department of Mathematics & Statistics
2. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
National Science Day Celebration
3. Date of the event: **28th Feb 2020**
4. Place of the event: BVC
5. Name(s) of the Resource person(s):

Prof. Sheshu Bai from HCU was the guest speaker & Dr. Aparna Dode, Asst. Professor from University college of Science, Osmania University .

Description of the Event: (within 500 words with 3 relevant pictures)

Report on Poster Presentation

A total of 26 teams participated in the event, Poster Presentation on *Indian women in Science*, out of which 8 teams (22 participants) are from other colleges. The colleges are St Francis college for Women, Govt. city college, Govt. Degree college- Begumpet, and LFDC – ECIL x Roads. Dr. Aparna Dode, Asst. Professor from University college of Science, Osmania University was the Judge of the event. The winners of the event are :

S.No.	Student's name	College name	prize
1.	D. Mohan Chaitanya Reddy	Govt. city college	I
	O. Vikas Reddy		
	Sara. Sangam		
2.	Sapna Singh	Bhavan's Vivekananda College	II
	Vijay Bhargav		
	Arjun		
3.	Sana Fathima	Govt. Degree college- Begumpet	Special Jury prize

10 project demonstrations by the Bhavan's College Students were also judged and the best projects were given prizes .

S.No.	Student's name	Title of the project	prize
	K Karthik	Voice controlled home	

1	CVS Anil Kumar	automation using node MCU.	I
2	K Jaya Lakshmi Naga Malleshwari	Audio Amplifier using IC LM386	II
	G Sai Kiran		
	Aditya Sai		
3	K Naga Sai Krishna	Frequency counter	III
	K Rohan		

Report on Elocution

Department of Physics and Electronics, Department of Mathematics and Statistics together have organized a National Science day. A inter collegiate event Elocution was conducted on the topic: "Contribution of Indian Women Scientists towards Global Science and Technology". In this event a total of 17 students took part, where in 7 of them are from other various colleges of twin cities. Out of these 17, 11 Girls and 6 boys had participated. The winners are:

1. D. Sai Mahathi, BVC
2. G. Rithika, BVC
3. Sana Fatima, Govt. Degree college for women.

Elocution Participation:

Total no. of students Participated – 17 (Girls: 11, Boys: 6)

B.V.C. Students – 10 (Girls : 7, Boys: 3)

Other College Students – 7 (Girls: 4, Boys: 3)

Report on QUIZ

Department of Physics and Electronics, Department of Mathematics and Statistics together have organized a National Science day. A inter collegiate quiz competition was conducted on the topics in Mathematics, Statistics, Physics, Electronics & Computer science". The preliminary round for Quiz for bhavanities was conducted on 25 Feb 2019. 57 students participated in preliminary round.

The preliminary round for outside colleges was conducted on 28 Feb 2019.

A total of 10 teams were into finals out of which 5 teams were from Bhavan's and the other 5 teams from other colleges. There were rounds on Mathematical aptitude, logical reasoning, subject rounds, and rapid fire.

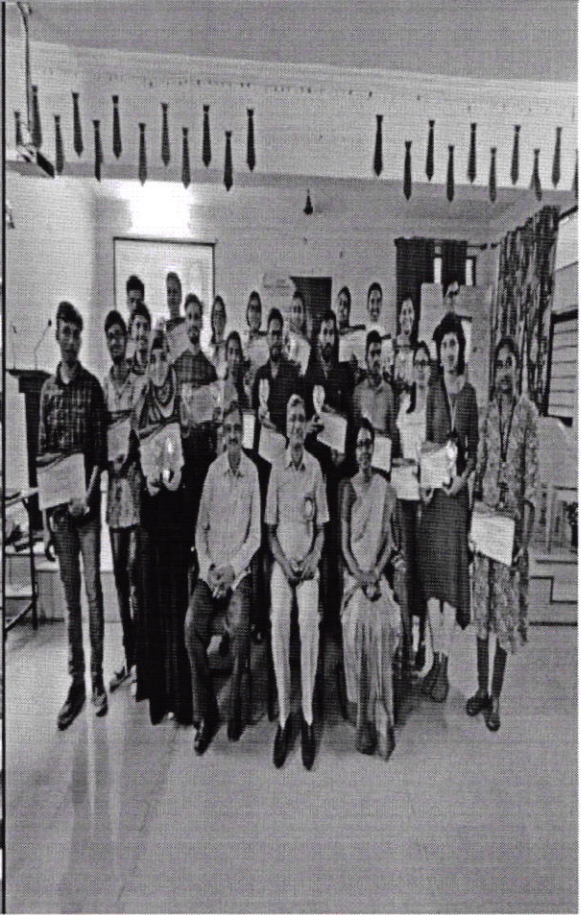
In this event a total of 93 students took part, where in 36 of them are from other various colleges of twin cities.

Out of these the winners are:

S.No.	Student's name	College Name	prize
1	Krishna	St. Francis College for Women, Begumpet.	I
	Monisha		
	Vaishnavi		
2	Tushar	BVC	II
	Amruthavalli		
	Pranav		
3	T. Rachana	BVC	III
	Suri Deekshita		
	ChiranjibiSutar		

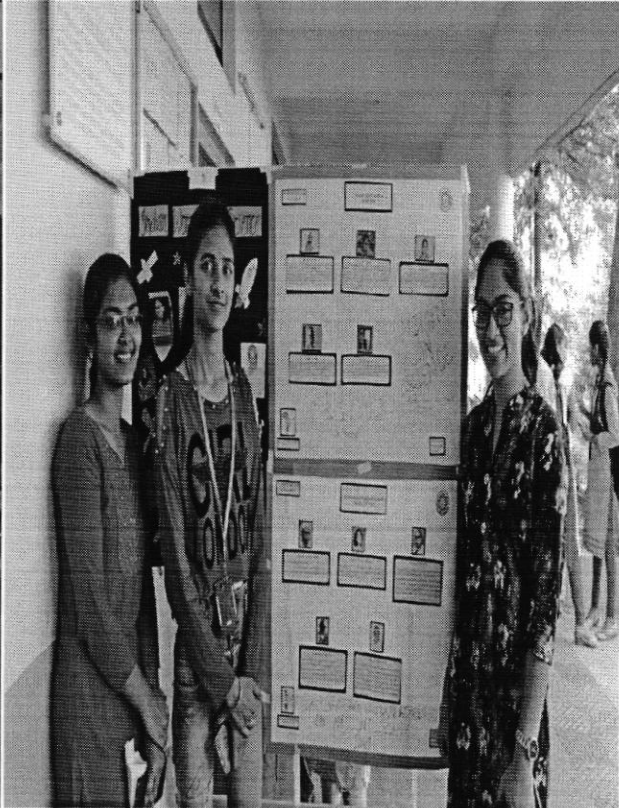
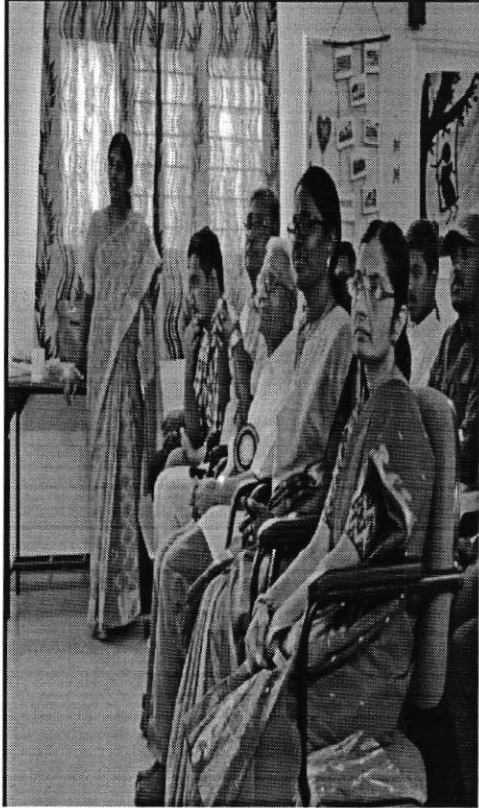
Colleges Participated:

1. Govt. Degree College for Women
2. Govt. City College, Nayapool
3. St. Francis College for Women
4. St. Joseph College
5. Vasundara Degree College
6. Loyola Academy
7. St. Ann's Degree College



All dept - members

gsm





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Report for the year 2019-20

Department of Mathematics & Statistics

1. Name of the Department if the programme is conducted inside the college:
Department of Mathematics & Statistics

GUEST LECTURE on National Statistics Day

The importance of Data- Sciences, all the trends and applications of data sciences its uses to the world and the predictions we can do using it.

2. Date of the event: **29th June 2019**
3. Place of the event: **BVC, Room No. 71**
4. Name(s) of the Resource person(s):
Prof. V. V. HaraGopal, department of mathematics, BITS Pilani, Hyderabad
5. Description of the Event: (within 500 words with 3 relevant pictures)

The Department of Mathematics and Statistics has organized a guest lecture on 29th June 2019 on "Data Sciences- For a wonderful present and a brilliant future" by Prof. V. V. HaraGopal, department of mathematics, BITS Pilani, Hyderabad. Prof. V. V. HaraGopal briefed us about the importance of Data- Sciences, all the trends and applications of data sciences its uses to the world and the predictions we can do using it. Data Sciences is one of the most growing fields of today's generation, his speech about the same is really helpful for the students who aspire to build a career in this field. Also he helped us understand the benefits of entering this field and encouraged us to actually opt it.

On the occasion of National Statistics day the department of Mathematics and Statistics conducted a statistical Quiz and 23 teams participated in this quiz. Baba and Pooja from B.Sc (MSCs-IIIA) stood 1st in the quiz and were awarded the certificates by the guest and Dr. K. Vasudeva Rao, Head Department of Mathematics and Statistics also appreciated the prize winners and participants.

Dr. K. Vasudeva Rao addressed the students about the importance of statistics and various trends of new software's related to the statistics. Finally we concluded the program by vote of thanks.

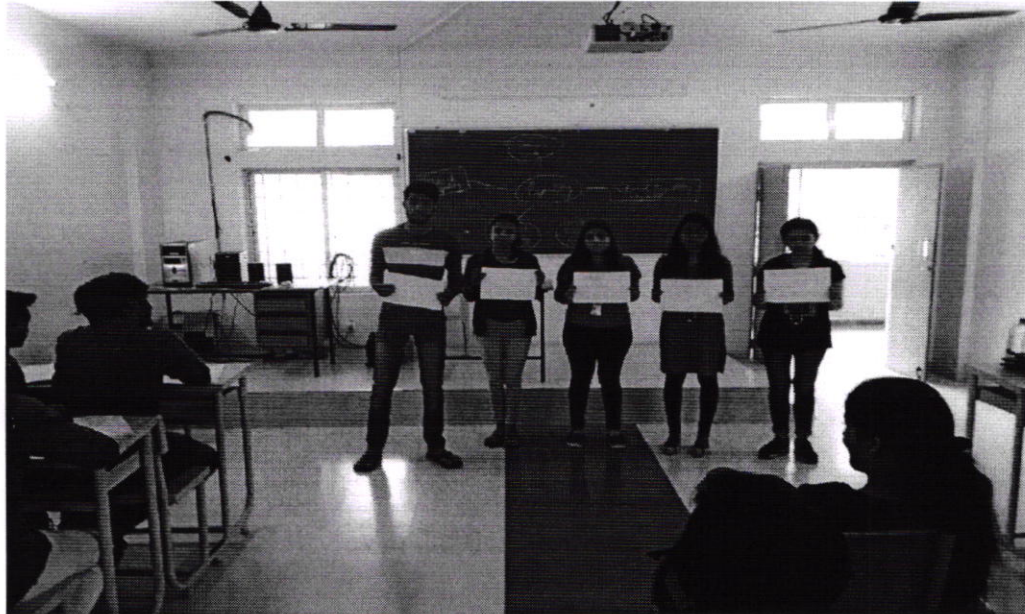


All dept. members

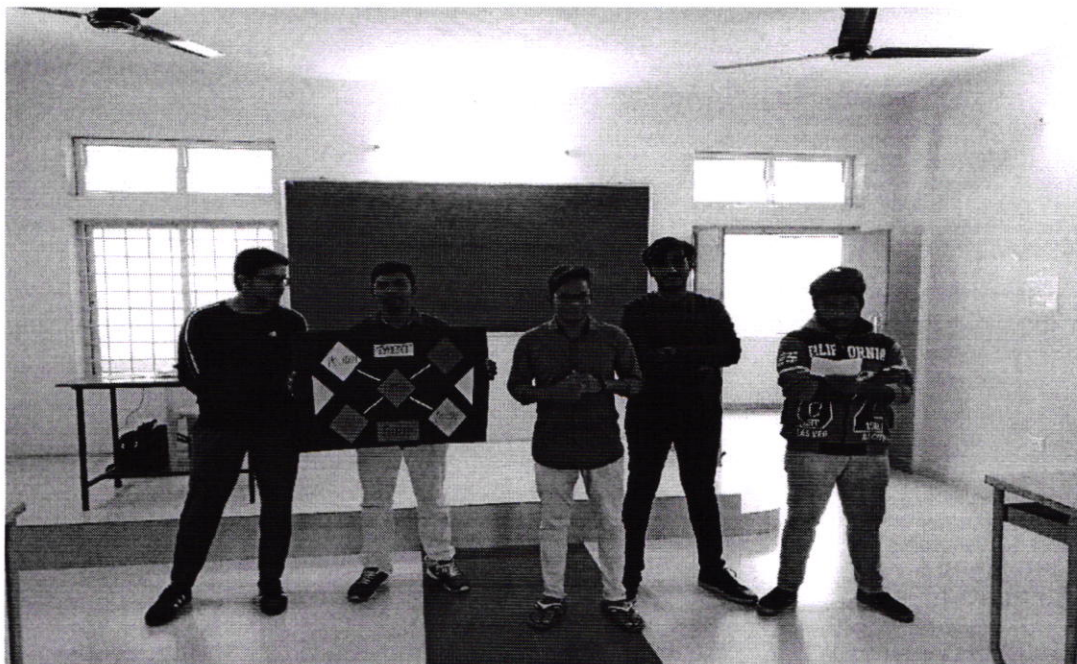
Poster Presentation

Students of Bachelor of Arts prepares poster on different topics and presents. It helps to communicate topics in a short and brief format and sharing their ideas with others. It attracts students and creates energy in understanding the topic.

The Concept Equality 18-12-2019



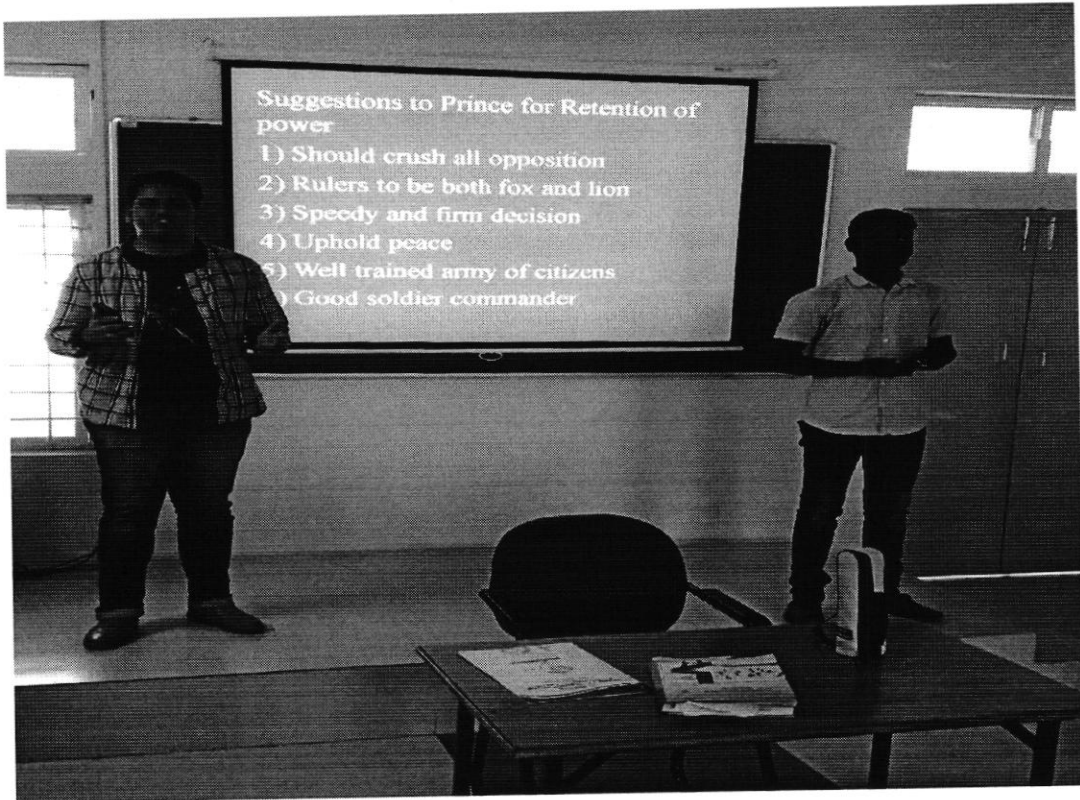
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of Equality 21-12-2019

The Statecraft of Machiavelli 24-01-2019





Suggestions to Prince for Retention of power

- 1) Should crush all opposition
- 2) Rulers to be both fox and lion
- 3) Speedy and firm decision
- 4) Uphold peace
- 5) Well trained army of citizens
- 6) Good soldier commander

REPORT

“From Big Bang to Black Holes”

—a tribute to Stephen Hawking

The Department of Physics & Electronics, Bhavan's Vivekananda Degree College, has organised an Inter collegiate event “From Big Bang to Black Holes”—a tribute to Stephen Hawking on 10th Aug 2018.

This is an intercollegiate event, which was envisioned and organized by a team of students from B.Sc MPCs final year.

The program was inaugurated by Vice chairman Air Cmde (Retd) J L N Sastry, VSM, Principal Prof Y Ashok, Chief guest Prof K Venu Gopal Reddy, and Vice principal Mrs B Niramathi at 10.15 am.

On this occasion Prof K Venu Gopal Reddy addressed the gathering regarding the significant contributions of Stephen Hawking to the field of Science. With regards to the event, he stressed on the need for organizing such events at Under Graduate Level and congratulated the student organizers from bhavans and also students from other colleges for participating in large numbers.

A documentary on the life of Stephen Hawking was then run by the Student Organizers in his honour.

Further, the programme held the following events:

- i) Poster Presentation – Findings of Stephen Hawking
- ii) Quiz—General Physics

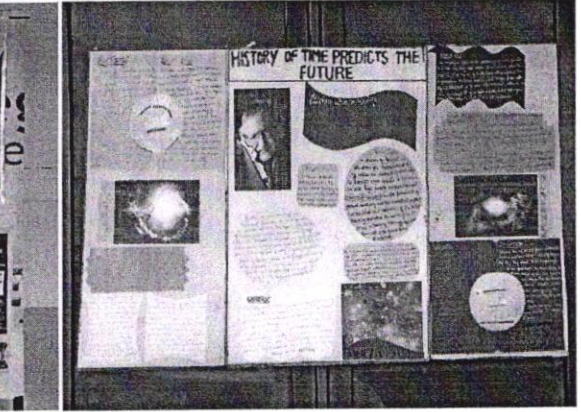
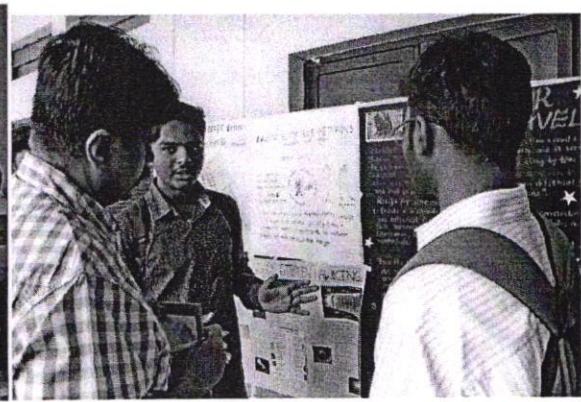
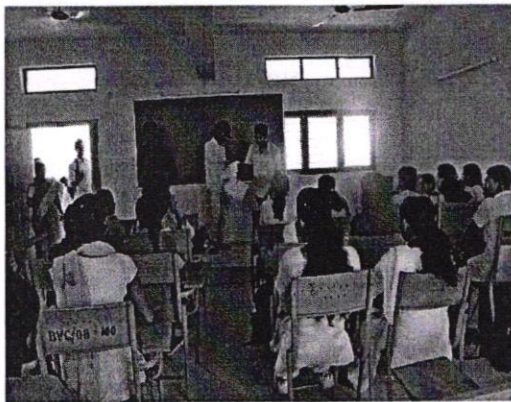
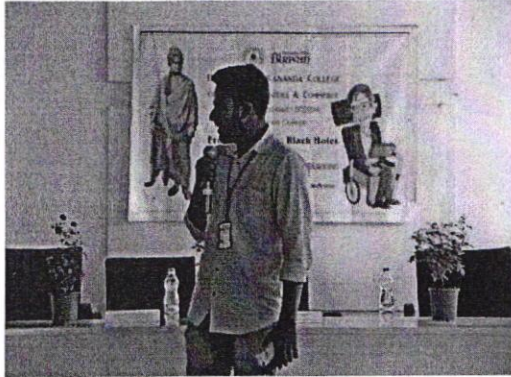
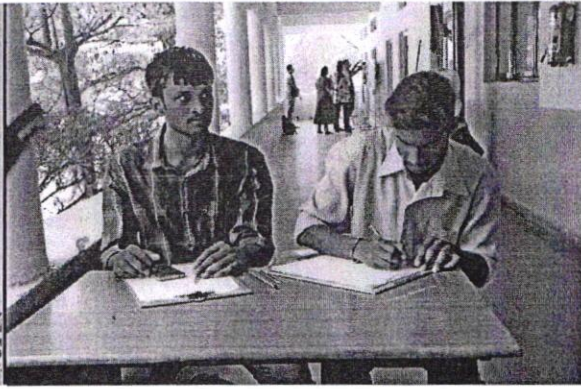
From different colleges, a total of 19 teams registered for Poster Presentation and 31 teams registered for quiz.

At the end of the event, the Chief Guest Prof, K. Venu Gopal Reddy gave away the prizes to the winners and the programme was closed by 4:15pm.



Santosh

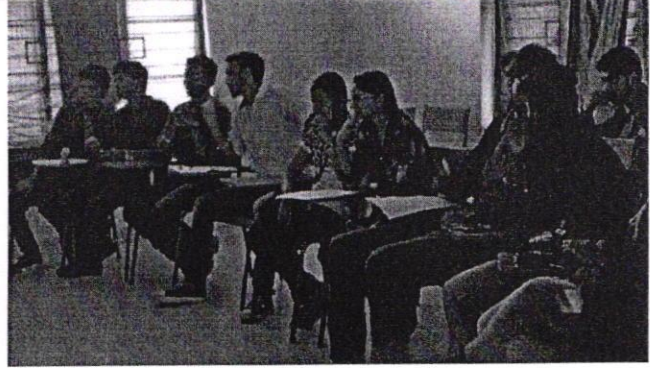
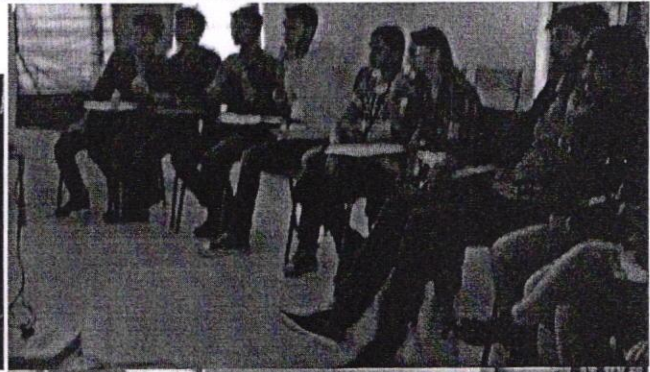
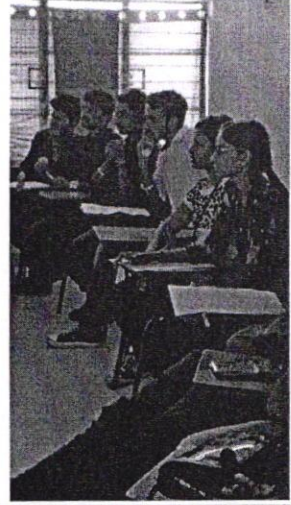
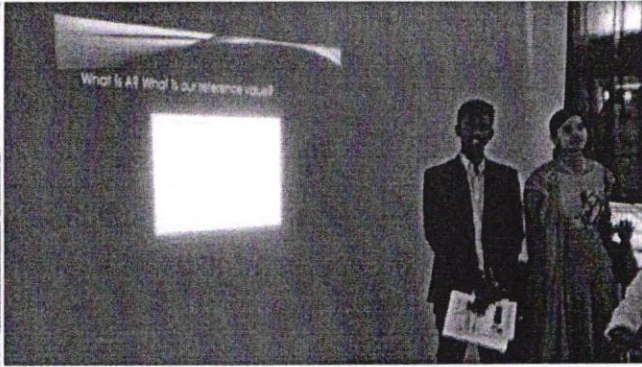
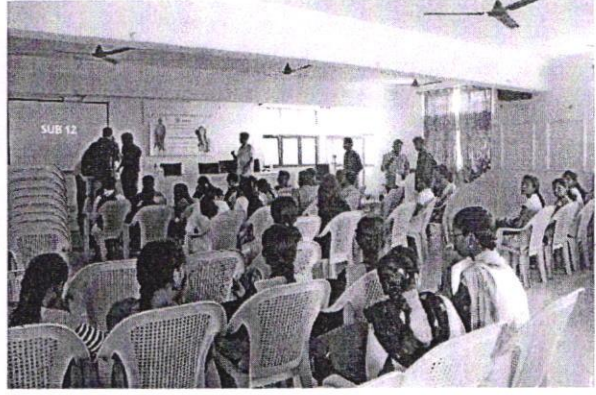
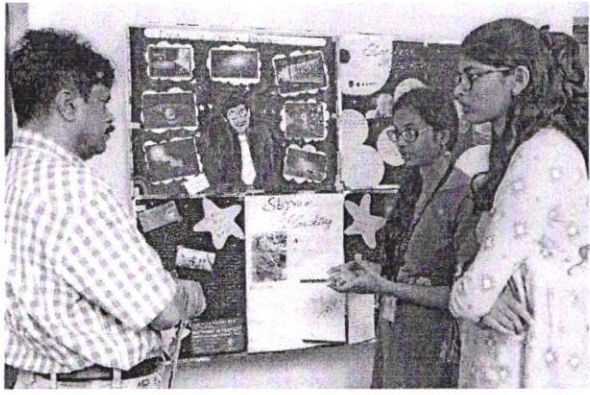
Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
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Pravin

Head of the Department
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BHAVANOTSAV-2019

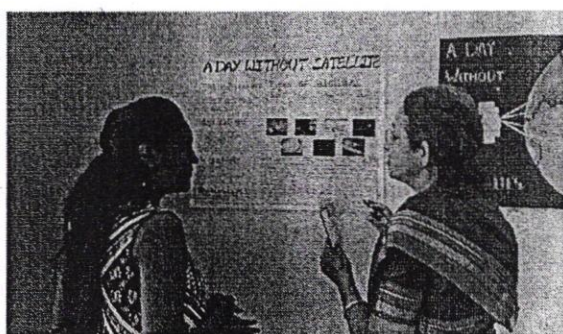
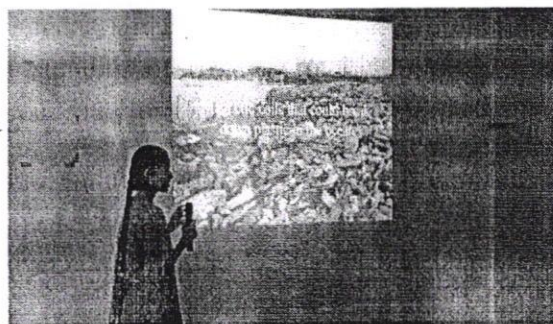
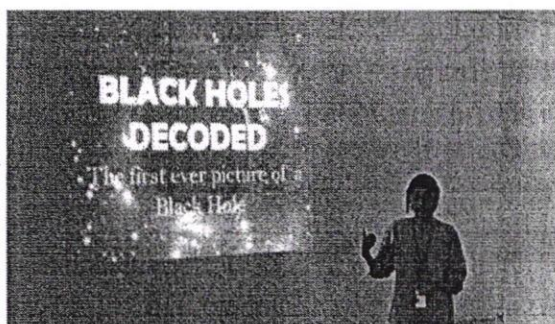
Bhavanotsav-2019 was a two day programme held on 2-08-2019 and 3-08-2019.

On the Day 1 of Bhavanotsav-2019, Department of Physics and Electronics organized a Poster Presentation with a theme "A Day without Satellite" 27 teams (54 students) from various departments participated in the event. The judge for the event was Dr.Sreedevi, Head, Department of Physics, Hindi Mahavidyalaya. The event mostly emphasized on the series of scenarios, such as, Solar storms, Cyber-attacks disabling the GPS systems and a halt in Communication technology, that would take place if all the satellites disappeared.

The second event for Day 1 was an Informal Fun event -Crack the Tough Nut. A preliminary test was conducted for 22 teams comprising of 44 students of BVC & other colleges, who had registered for the event, out of which 10 teams proceeded for the final Dumb charades rounds.

On the Day-2 of Bhavanotsav-2019, a Micro Presentation competition was organized with a theme "Recent Development in Physics/Electronics". 21 students of BVC and other colleges, participated in the event. The judge for the event was Dr.G.Upender,Head, Department of Physics, Nizam College.

The presentations were given on the latest developments & discoveries, such as, Low cost laser sensor devices for monitoring and assessing the damage caused to the building during the earthquakes, Nanobots (Nano Robots) which can detect and treat Cancer, Magnetic coils that could break down Micro-plastic disposed into water that come into the food chain and can cause numerous health hazards and the recent evolution of the theory of Dark Matter.



Pravin
Head of the Department
Department of Physics & Electronics
Bharathiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

01/08/2018

To

The Principal
Bhavan's Vivekananda College
Sainikpuri

Dear Sir,

Sub: Conduct of an event-From Big Bang to Black Holes in the Dept of Physics and Electronics-Regarding

The students of the department of Physics and Electronics intend to organize and conduct an inter-collegiate event in memory of Stephen Hawking. It involves a quiz competition and poster presentation. The details of programme and the budgetary proposals are enclosed. I kindly request you to permit the department to conduct this event and motivate the students.

Thank you sir.

Yours truly

B. Niraimathi

B Niraimathi

HoD

Dept. of Physics and Electronics

Permitted

GA  *1/8*

Santosh

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

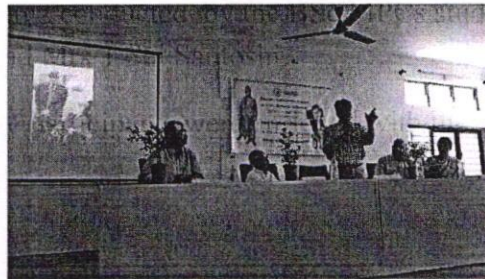
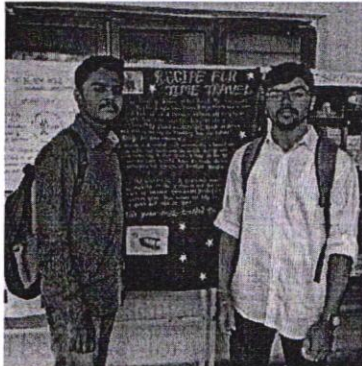
"From Big Bang to Black Holes – A tribute to Stefan Hawking"- An Intercollegiate Event

An Intercollegiate event- *"From Big Bang to Black Holes – A tribute to Stefan Hawking"*- was organized by the Department of Physics & Electronics on 10th Aug 2018. The Judge for this event was Prof. K. Venu Gopal Reddy (Retd.), Dept. of Physics, O.U, Hyderabad. In this programme, a total of 185 students of BVC and other colleges had participated. Poster presentation and Science Quiz competitions were conducted in this event.

The topic for poster presentation was *'Finding of Stefan Hawking'* where 19 teams had participated.

35 teams participated in the Science quiz conducted by the BSc MPCs students along with the faculty members - Mrs.V R Manjula and Mrs T Sai Santoshi.

Both the events were successful and the participants were enriched with the knowledge.

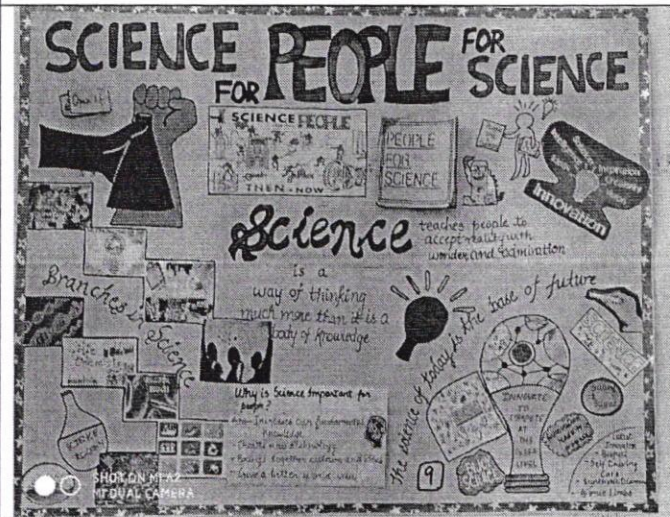
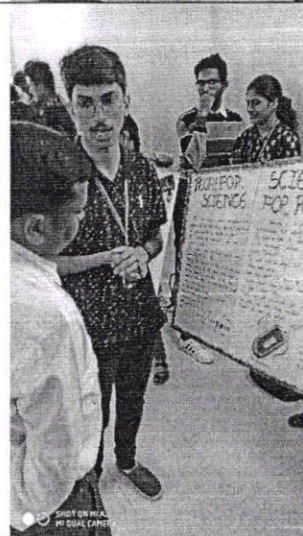
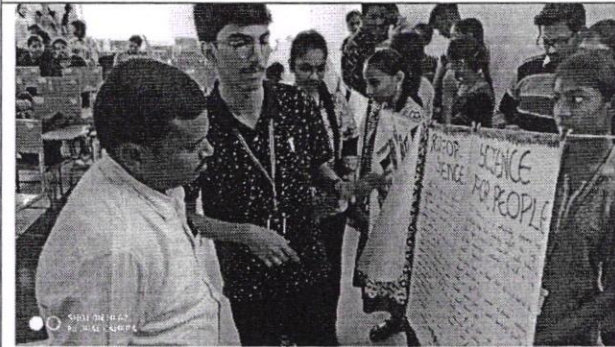
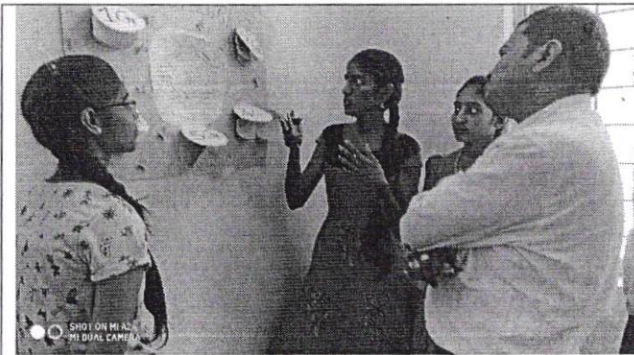


Santoshi

Poojitha

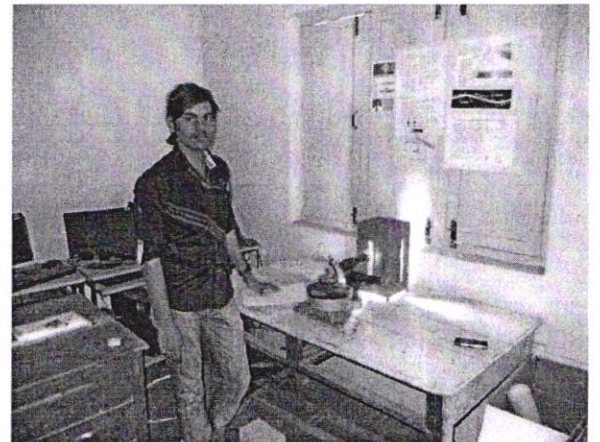
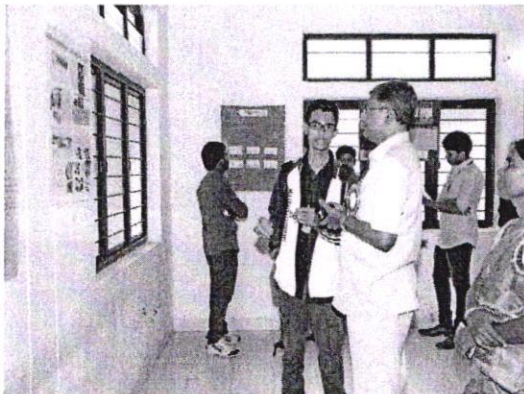
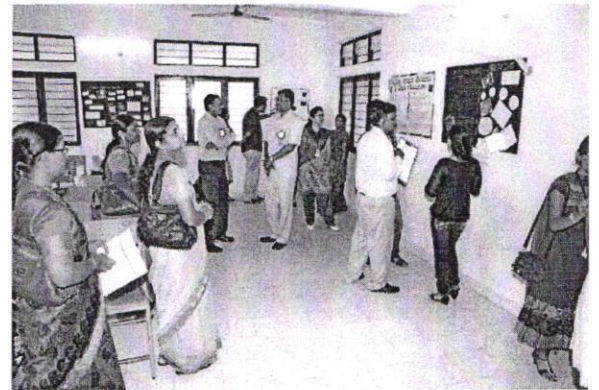
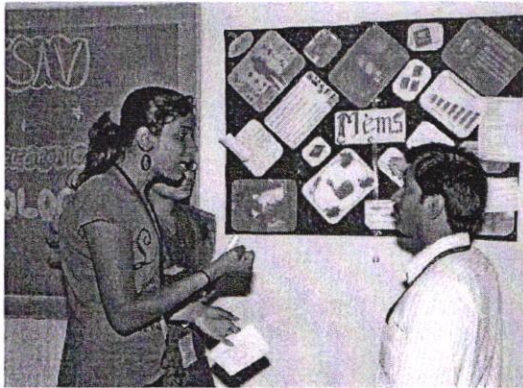
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan: Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Poster Presentation Competition conducted by Dept. of Physics and Electronics during National Science day 2019-20



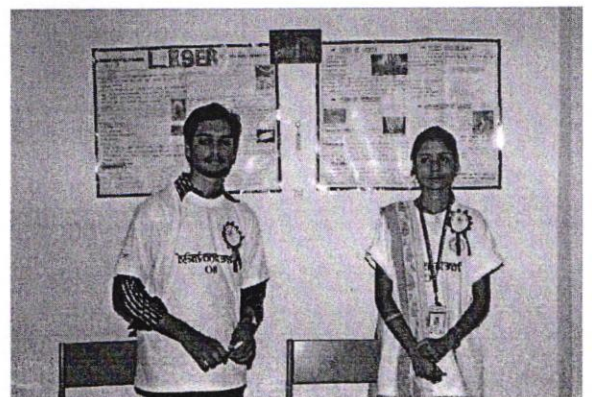
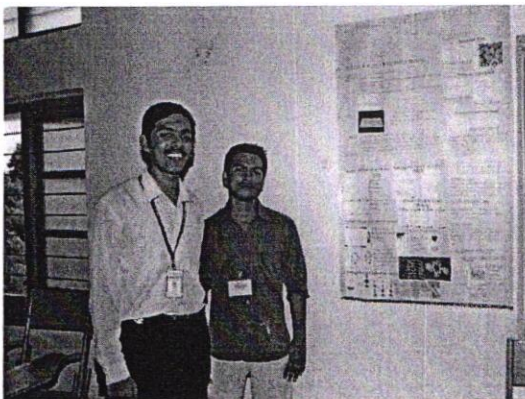
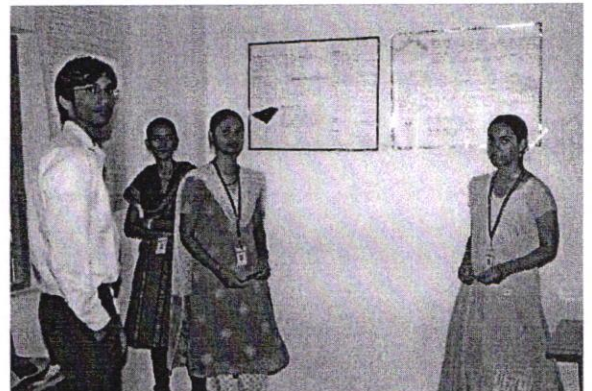
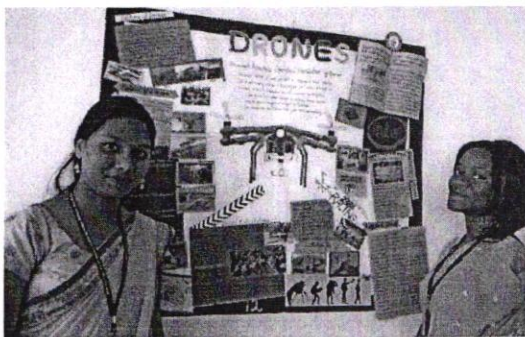
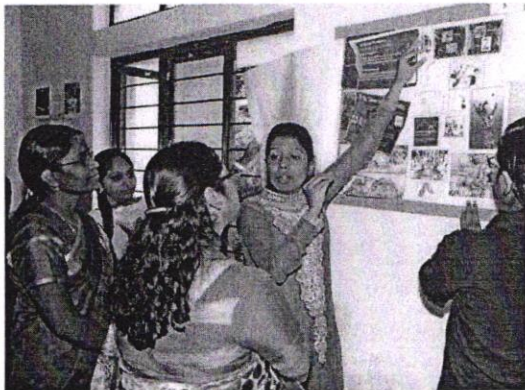
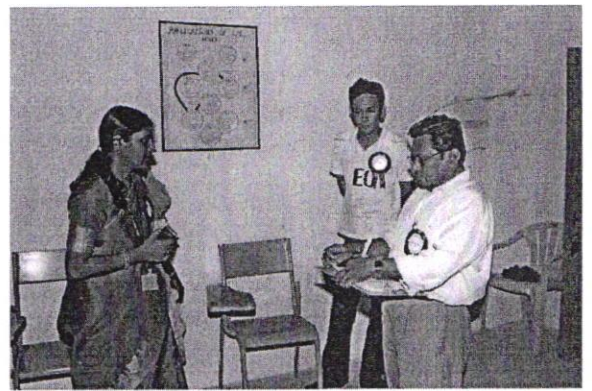
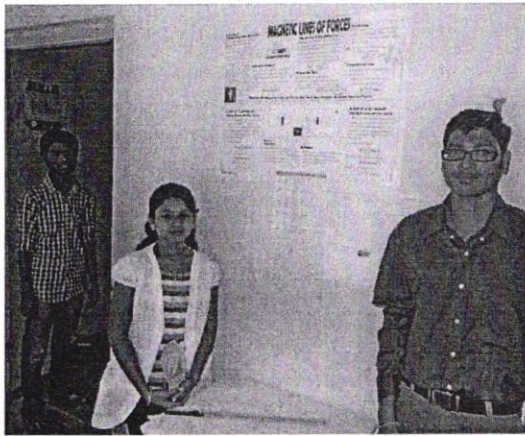
Report on Poster Presentation Competitions

Department of Physics and Electronics conducts Poster presentation competitions on specific topics to promote scientific temperament among the students and get an insight to the current trends in the research. Subject experts from Academic field / industries are invited as judges for the event, after having an interaction with the participants they give invaluable suggestions to the students, It is always a colorful and spectacular event.

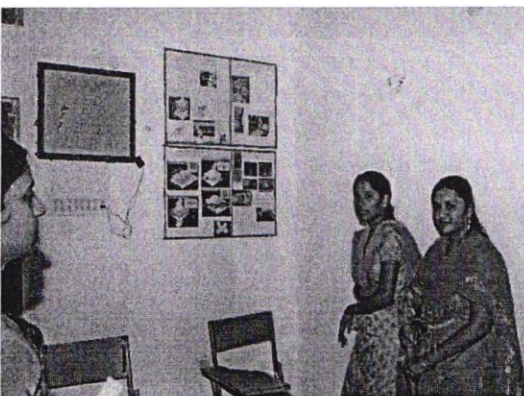
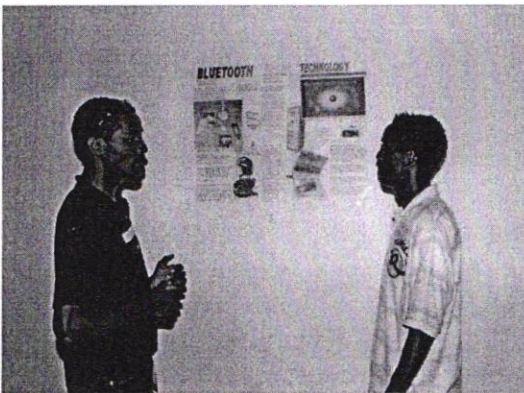
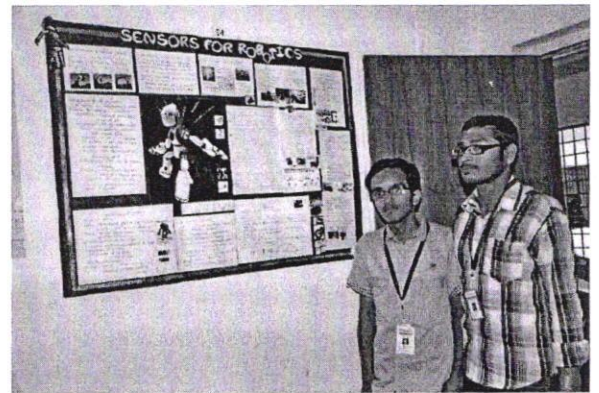
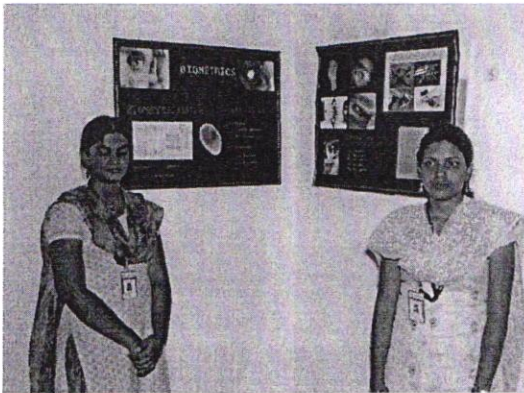
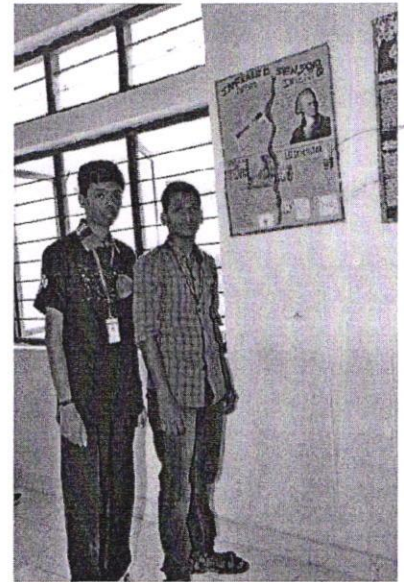


A handwritten signature in black ink, appearing to be 'R'.

Poonil
Head of the Department
Department of Physics & Electronics
Sharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

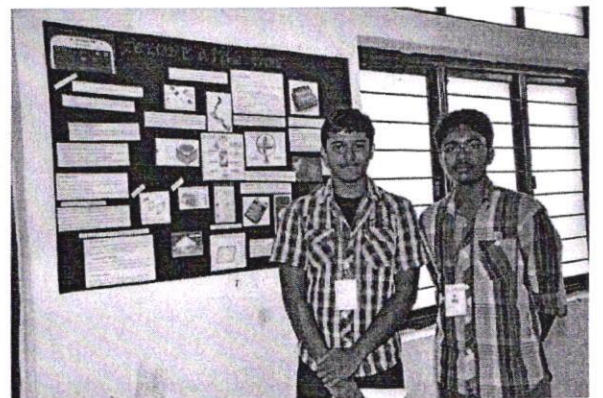
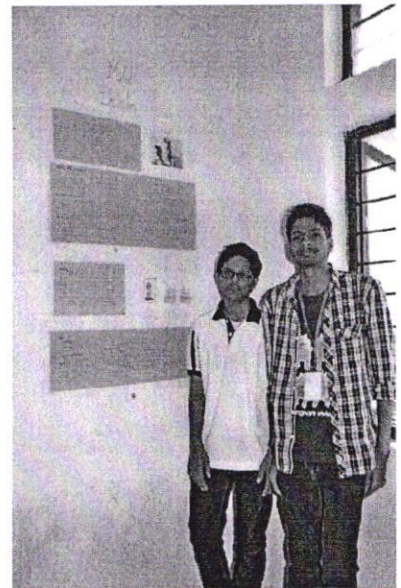
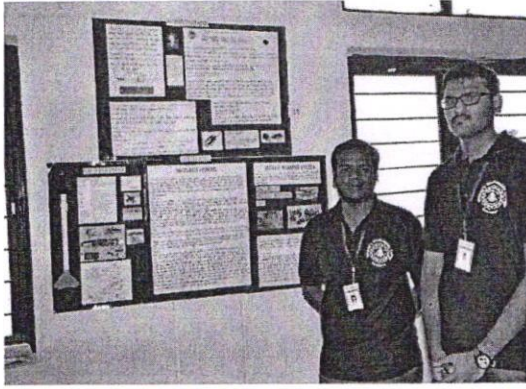


Prasanna
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan - Vivekananda College
Sainikpuri, Secunderabad - 500 084.



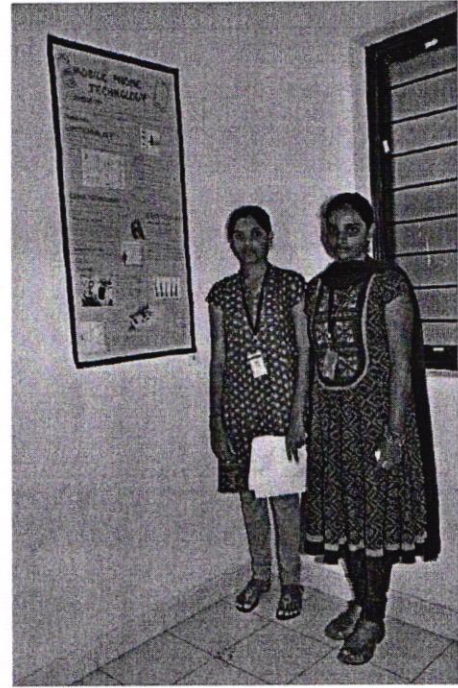
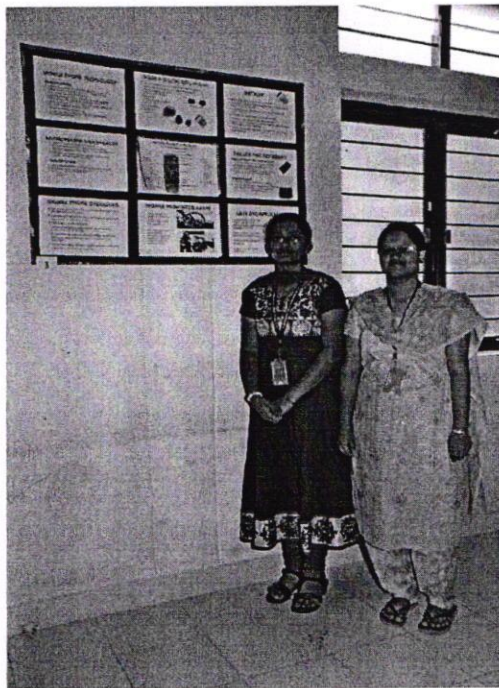
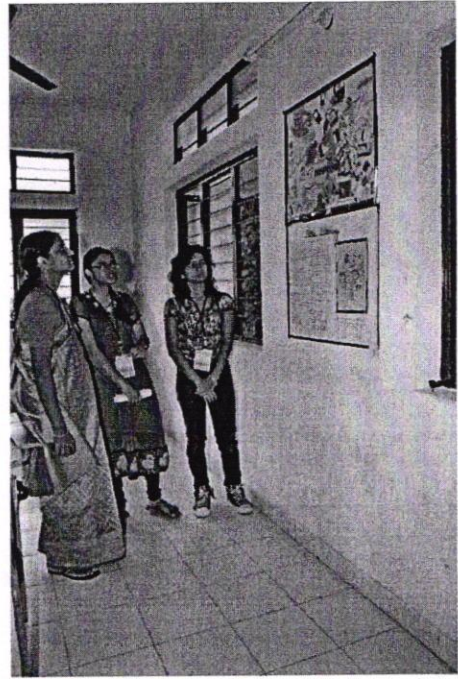
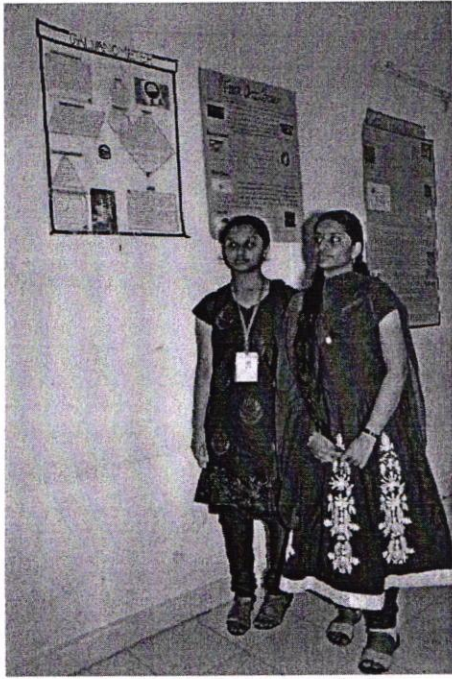
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Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.



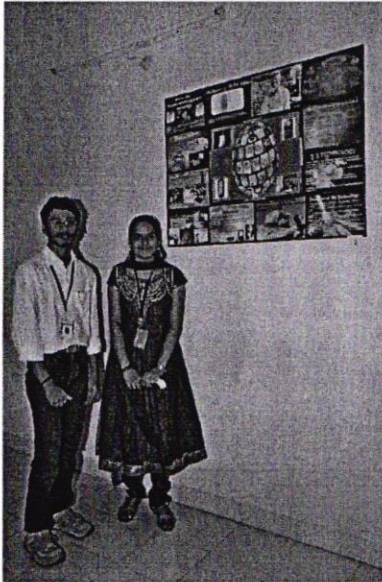
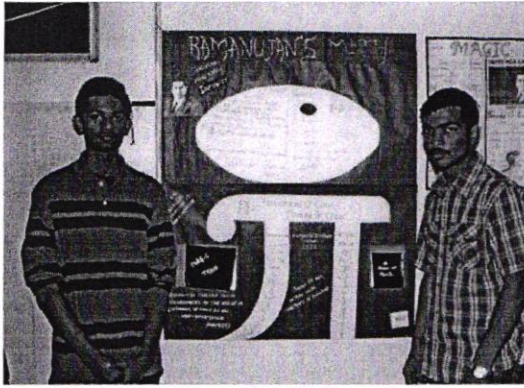
Prasanna

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.



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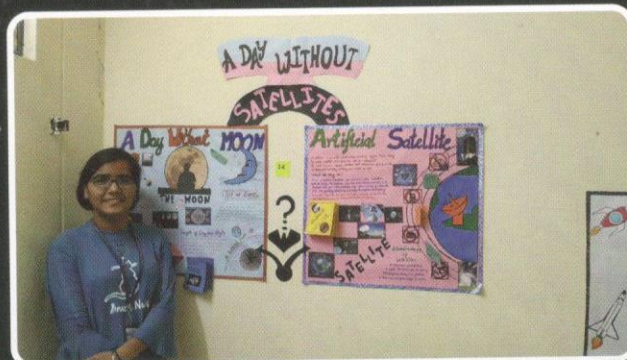
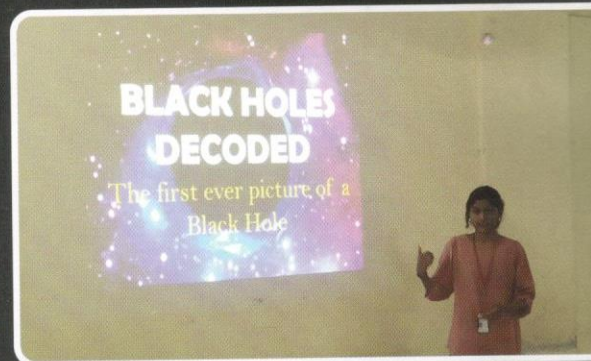
Boonies
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.



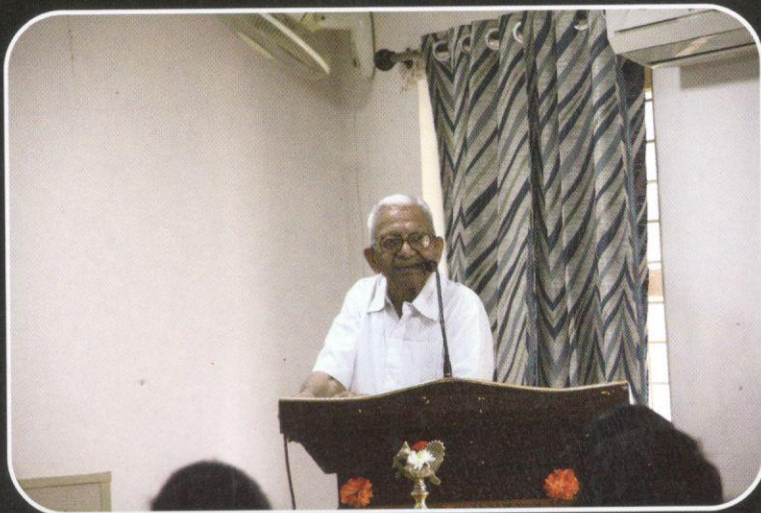
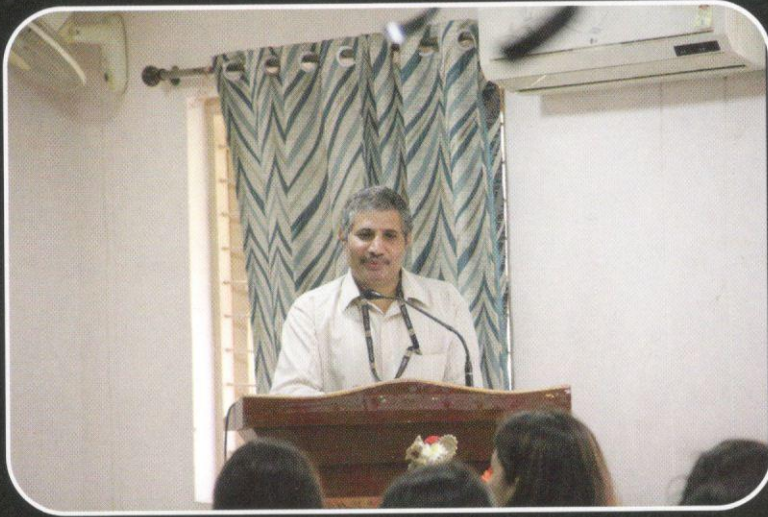
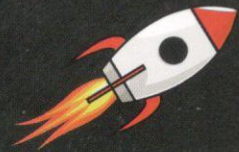
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Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

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PRAGYAN 2019



Bhavan's Vivekananda College
 of Science, Humanities & Commerce
 Bangalore University, Bangalore
 Kiosk 2001 - 1st Floor, 8th Cross, 8th Stage, Jayanagar 4th Stage, Bangalore
 (INCORPORATED UNDER THE COMPANIES ACT, 1956)

The Department of Physics and Electronics
Celebrates the Legacy Of
VIKRAM SARABHAI
PRAGYAN
Wings of Wisdom fuelling the flight to space

EVENTS

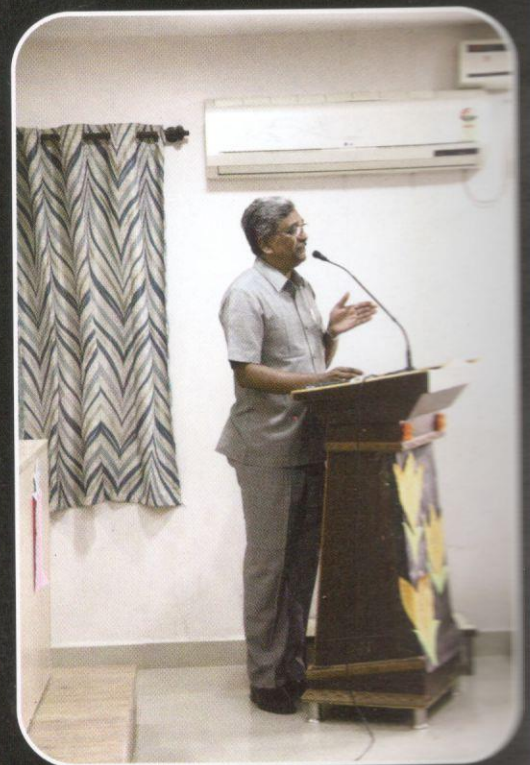
*MICRO PRESENTATION (Individual)
 Topics: 1) Cosmology
 2) Astroparticle Physics
 3) Stellar Physics

*QUIZ (Team of 2)

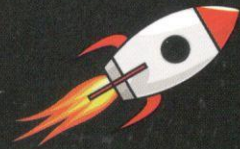
*POSTER PRESENTATION (Team of 2)
 Topic: La vie de Vikram Sarabhai
 (The life of Vikram Sarabhai)

Date: 14th August 2019
 Timings: Event starts from 10:00 am

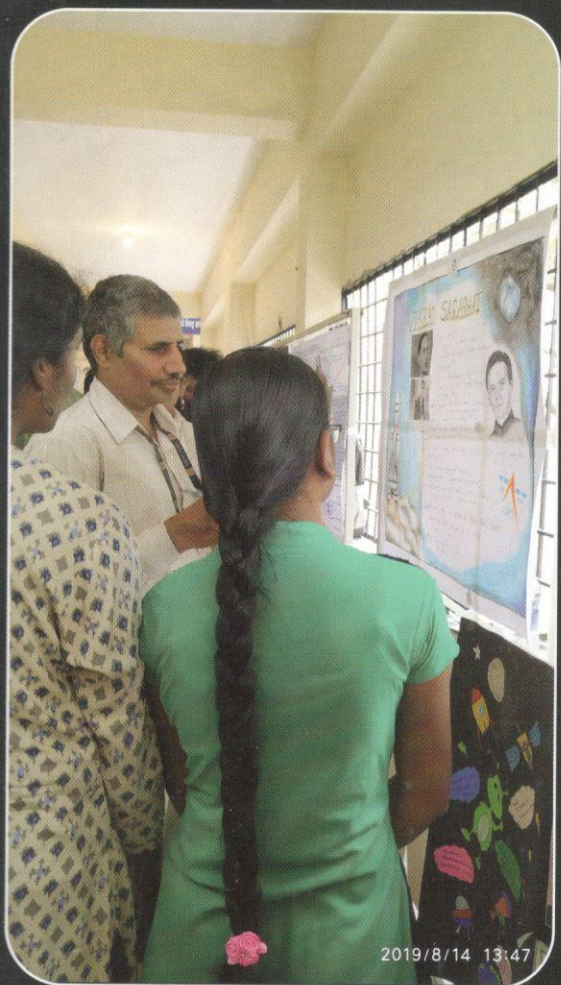
Registrations will be
 open from 9:30 am to
 10:30 am



PRAGYAN 2019



Department
Of
Physics
GALLERY



Exploring the life of late Dr. Vikram Sarabhai



**Bhavan's Vivekananda College
of Science, Humanities & Commerce**

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

**Department of Languages: ENGLISH
TLE Method: Poster Presentation**

Name of the Lecturer: Mrs. Annie Christina B

Prescribed text book: English in Use

Poem: Television written by **Roald Dahl**

Semester IV January 2019

The students of the class were divided into groups of 2. There were 30 groups in total. Each group was given one topic from the text book, on which they had to make a poster. They were given two days' time each. They had to make the posters only using newspaper cuttings and pictures. They even had to cut the letters from the newspapers in the poster. They were not allowed to write anything with pen or sketches, but to use their creativity and enhance their critical thinking and analyzing skills and using the right pictures and words to convey the topic. Each group was given about 4 to 6 minutes time to present their poster. They were given the liberty to explore around the topic and come up with any kind of relevant information to the topic.





**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES
AND COMMERCE, SAINIKPURI, SECUNDERABAD.**

Autonomous College, Affiliated to OSMANIA UNIVERSITY, Hyderabad.

(Accredited with 'A' grade by NAAC)

STUDENT CENTRIC ACTIVITIES

DEPARTMENT OF CHEMISTRY

The Department of Chemistry conducted several student centric activities for the year 2018-19 and 2019-2020. Students visited industries like IKP Knowledge Park. They participated in poster presentation on topic like chemical bonding, periodic table and Eco friendly strategies.

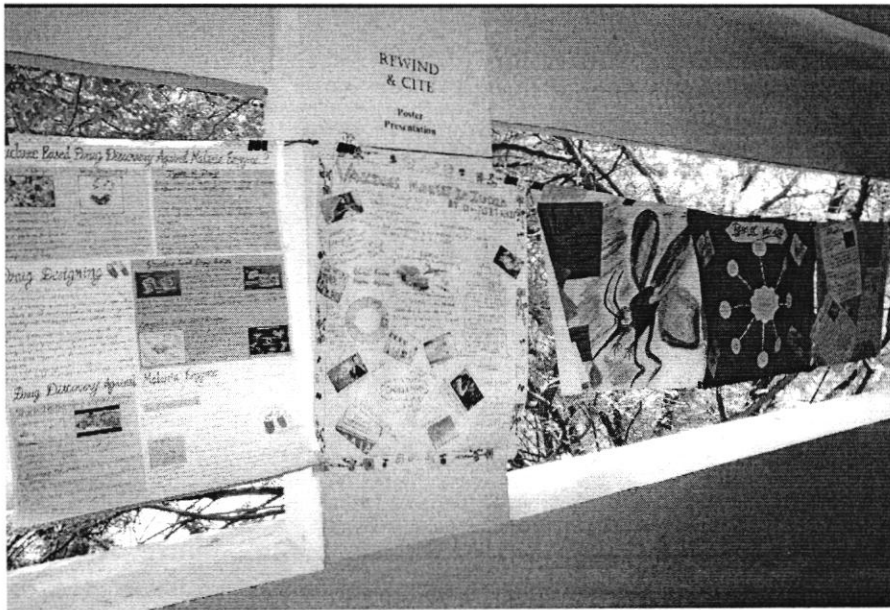
Faculty used various teaching methodologies like group discussions and role play, to inculcate interest and acquire better understanding in the subject. Practical sessions and flipped class rooms organized by the faculty enhanced their practical and communicative skills.

Value added course initiated by Ms.Prerana Loomba on Packaging at Indian Institute of Packaging was very useful and students gained an insight on concepts of packaging and gave a broader spectrum of career options in packaging.

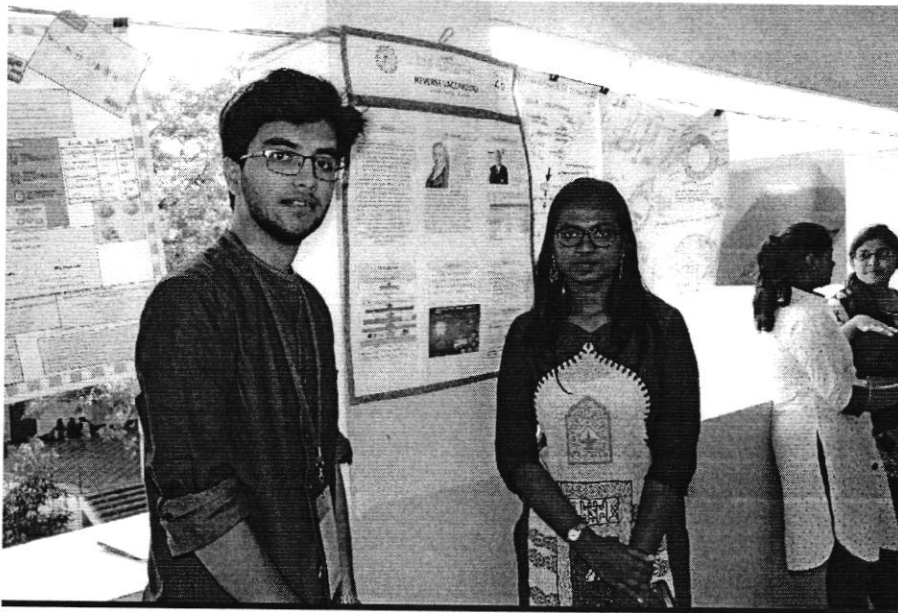
An internship with IIT Kharagpur was conducted by the department on "Emerging trends in Bio-Inorganic Chemistry. Department of chemistry in association with other Life Sciences departments organized National Seminar on "Eco Friendly Strategies for Sustainable Environment".

Students presented posters on various topics.

Proof: Photographs



Ammy 9/20




Amey

**Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University**

**Report on National Seminar “Eco-friendly strategies for
Sustainable Environment”**

The faculty of Life sciences of Bhavan's Vivekananda College conducted a National Seminar on “Eco-friendly strategies for Sustainable Environment” on 28th and 29th February, 2020. The seminar was organised to celebrate National Science Day under DBT-Star College Scheme. Environmental sustainability is a fundamental requirement to avoid depletion and degradation of natural resources. Developing effective strategies for maintaining the balance in natural environment is the need of the hour.

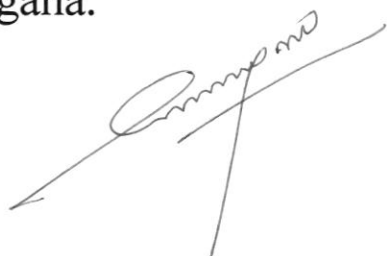
The chief guest of the seminar was Prof. K. Janardhan Reddy, Regional Coordinator of Telangana Academy of Sciences, Hyderabad Center. The Guest of Honour of the event was Prof. Purshottam Reddy (Retd), Political Science Department, OU, Eminent Environmentalist, Academician and Development Activist. The seminar was presided by Sri I.Y.R. Krishna Rao, IAS (Retd.), Former Chief Secretary, Govt. of AP, Chairman, Bharatiya Vidya Bhavan, Sainikpuri Kendra and Air Commodore (Retd), J.L.N. Sastry, VSM, Vice Chairman, Bharatiya Vidya Bhavan, Sainikpuri, Kendra. Welcome address was delivered by Prof Y. Ashok, Principal, BVC. Dr.

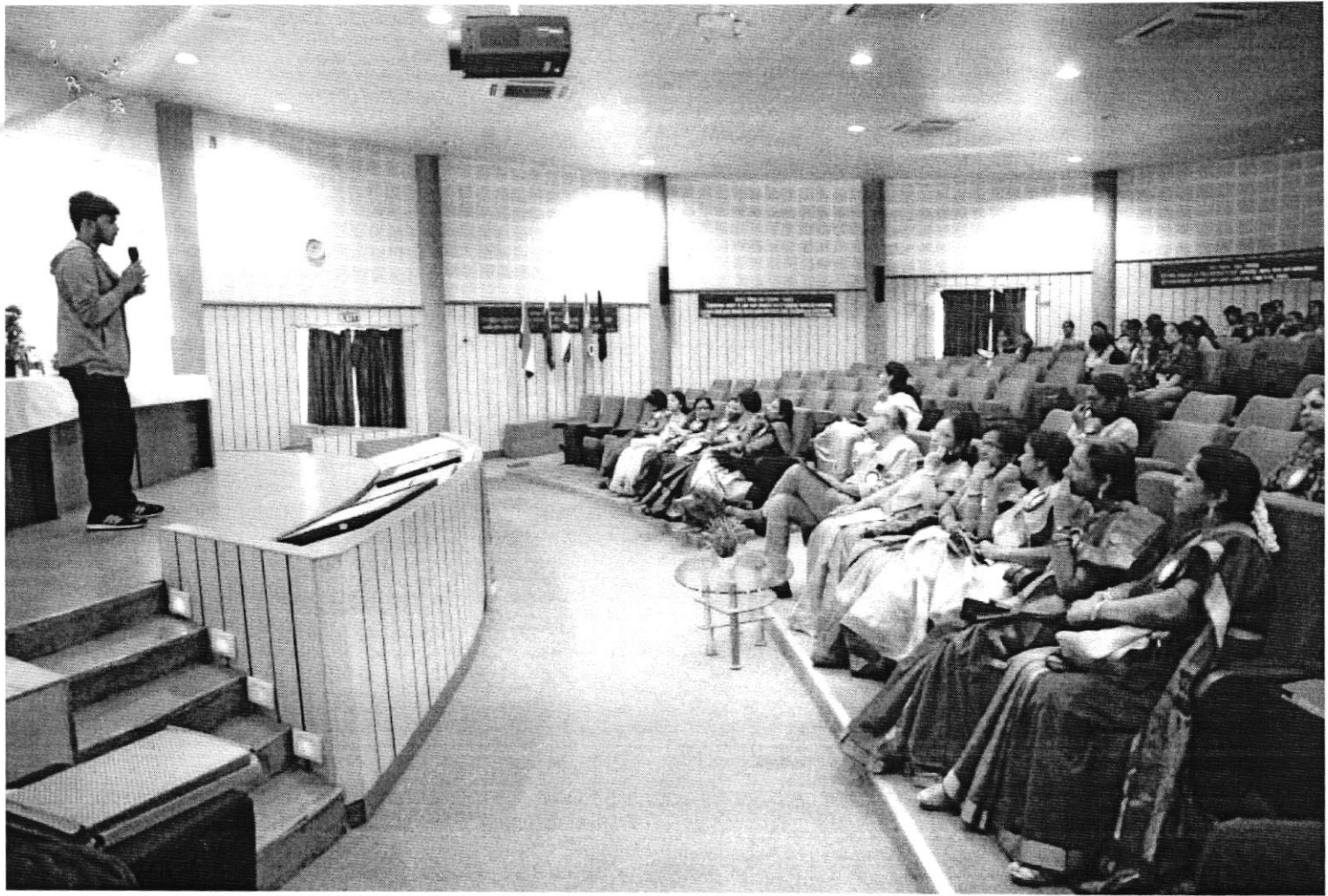


Madhumita Bhattacharjee, Convenor and Head, Department of Chemistry, BVC, presented the report of the National Seminar.

The chief guest for the valedictory was Prof. Shivaraj, Dean, Faculty of Sciences, Development & UGC affairs, OU, Hyderabad.

The two day event comprised of technical sessions by eminent scientist and oral and poster presentation by enthusiastic participants. The seminar had a huge number of participants which included students, scholars and faculty from various educational and Research Institutions within and outside Telangana.

A handwritten signature in black ink, appearing to be 'M. Bhattacharjee', written over a horizontal line.

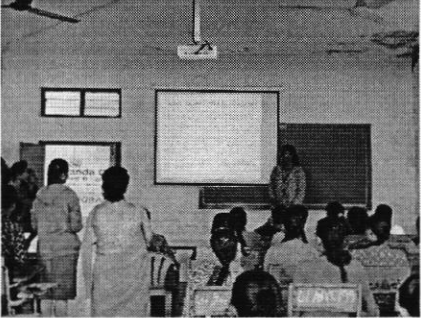


Amey M



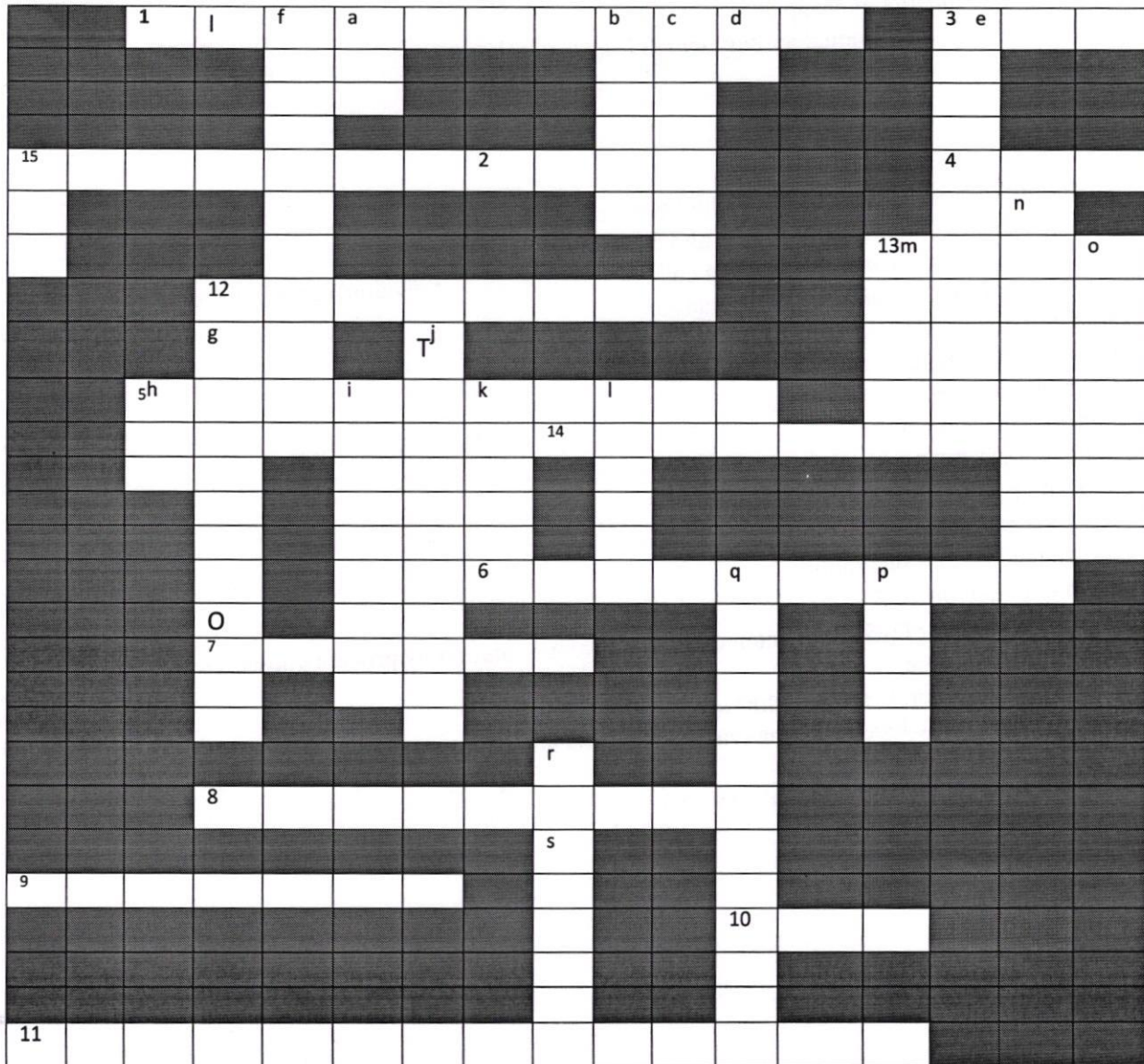
Amey M

Department of Languages
Student Centric Methods& Proofs 2018-19
Mrs. K. MeenaRani
Subject: Sanskrit; Semesters I, II, III&IV

Student Centric Methods	Proofs
<p>Seminar Presentations:I assign topics to individual students relating the topics in the text book and ask them to present on that topic boosting their knowledge in the subject and thereby increasing the presentation skills of the students.</p>	

Quiz

J. Sorada
Puzzle



Across:

Biochemistry

1. Buffer which safe guards the blood
3. Compound with ΔG° value 61.9 kJ/mole
4. Phospholipid produced by platelets
5. Parameter which can indicate direction ,spontaneity and energy status of reaction
6. This compound in phosphorylated form acts as energy source in muscle
7. Source for pyridine moiety
8. Enzyme which helps in transverse movement of phospholipids
9. Disaccharide with α 1— β 2 linkage
10. Example of Sugar amine
11. Vitamin D₃ is also known as
12. Cortisol and Corticosterone belong to class
- 13 Glucose and Mannose epimers at this carbon

14. Ketoses have functional group at
15. Eicosanoids have hormonal activity which is known as

Down:

- a. High energy compound which kinetically stable, donates P_i , PP_i , & AMP.
b. Relationship between Redox potential and free energy is given by
c. Coupled reactions are carried inside the cell because energy of individual reactions are
d. Storage lipid which also involved in insulation
e. example of polyprotic acid
f. Protoporphyrin type IX ring is also known as
g. unsaturated precursor for PGE₂
h. Isoalloxine ring is present in
i. LA, α LA, DHA & EPA are
j. Gram positive cell wall has
k. sphingolipids are rich in
l. Fe-S protein which has histidine
m. Uncoupler of ETC and OXPHOS
n. α and β anomers of D-Glucose interconvert in aqueous solution by process known as
o. example of pentose
p. Drugs which can inhibit Prostaglandins synthesis
q. Compound responsible blood clotting, vasoconstriction and platelet aggregation
r. Salicylic acid is also known as
s. ED and HMP make this compound in common

Quiz
J. SARADA

KAHOOT

The screenshot shows the Kahoot! interface for a group named "medical bacteriology". The page includes a navigation bar with "Home", "Discover", "Kahoots", "Reports", and "Groups". A "NEW! Teach interactive lessons with Premium+, a brand-new plan for teachers and schools!" banner is visible. Below the group name, there are tabs for "Shared content", "Members", and "Group settings". The "Members" tab is active, displaying a table with the following data:

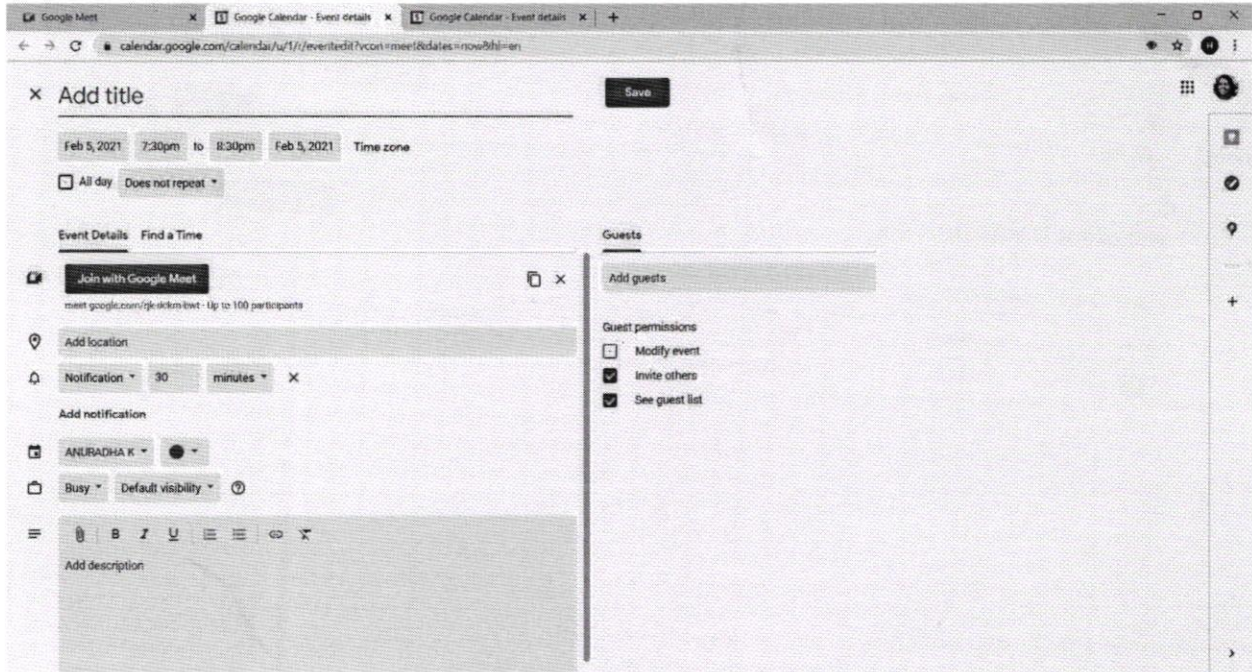
Name	Username	Email	Role	Status
ANURADHA K	hodmicro	hod.micro@bhavensvc...	Admin	Active

Wise map

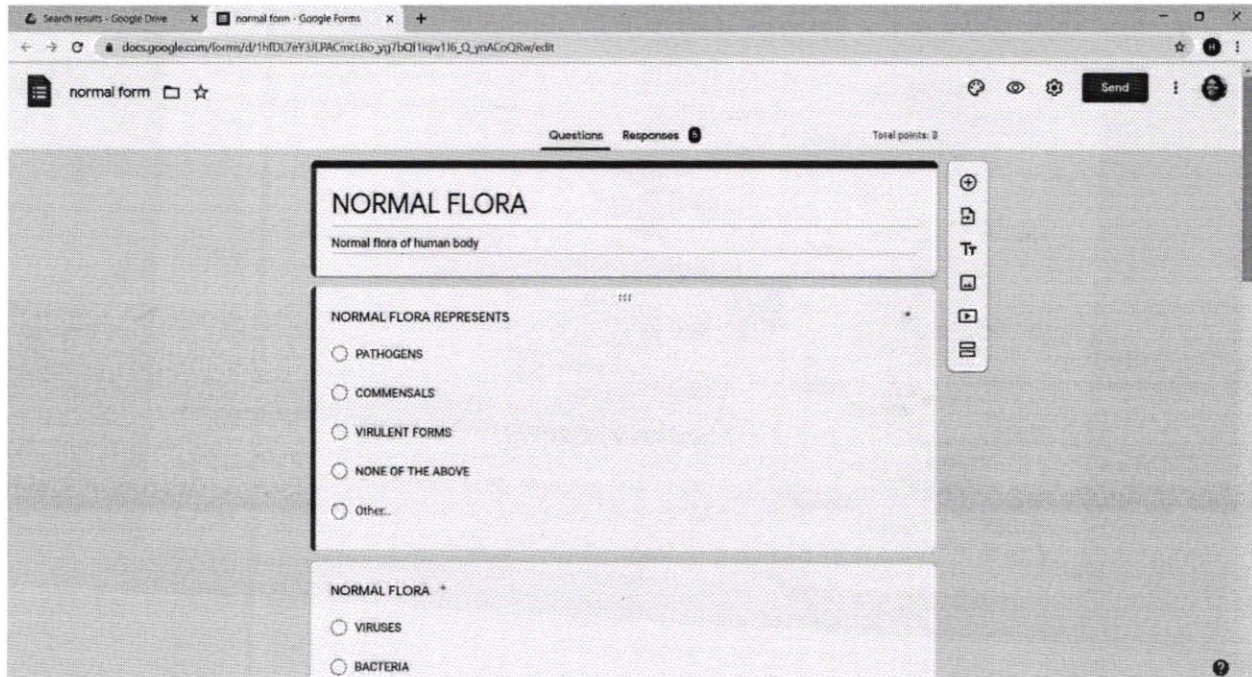
The screenshot shows a mind map diagram titled "RABIS.jpg". The central node is "RABIS". It branches out into several main categories, each with further sub-nodes. The categories include:

- Introduction
- History
- Classification
- Transmission
- Pathogenesis
- Diagnosis
- Prevention
- Treatment
- Prognosis
- References

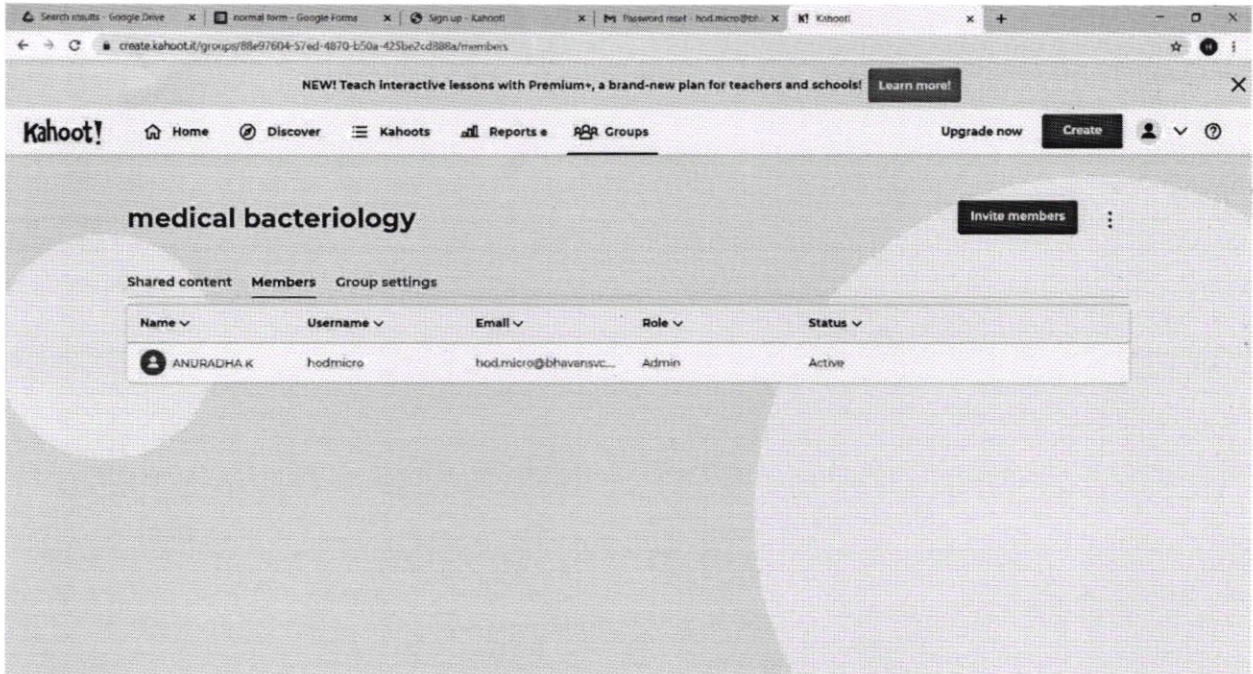
google meet



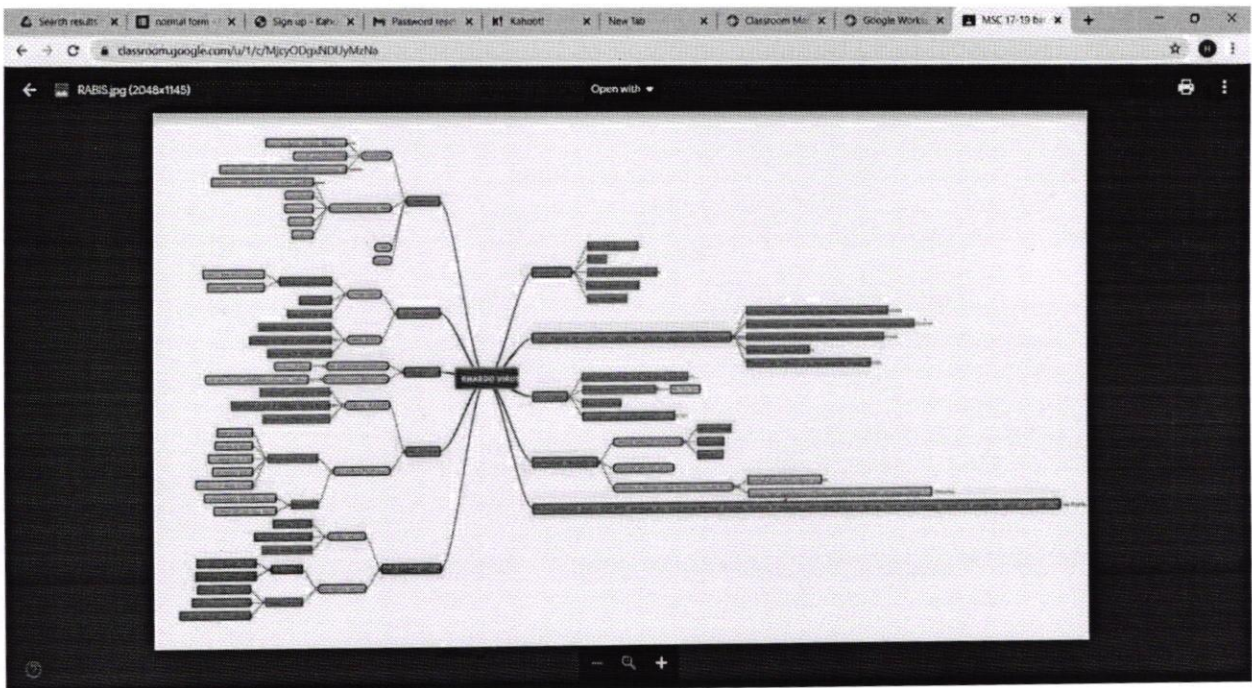
Quiz



KAHOOT



Wise map



S. Anju
Quiz

Browser tabs: UGGE Microbiology A, For Students - Quizizz, My Quizzes - Quizizz

Address bar: quizizz.com/admin/private

Navigation: Apps, Gmail, YouTube, Maps, New Tab, Experiment 24A | La...

Quizizz Header: QUIZZ, Search, My library, Enter Code

User Profile: anju nair, Plan: Basic, Upgrade to Super, Create

Left Sidebar: Explore, My library, Reports, Classes, Settings, More, Help

My library (16) Order: Most recent

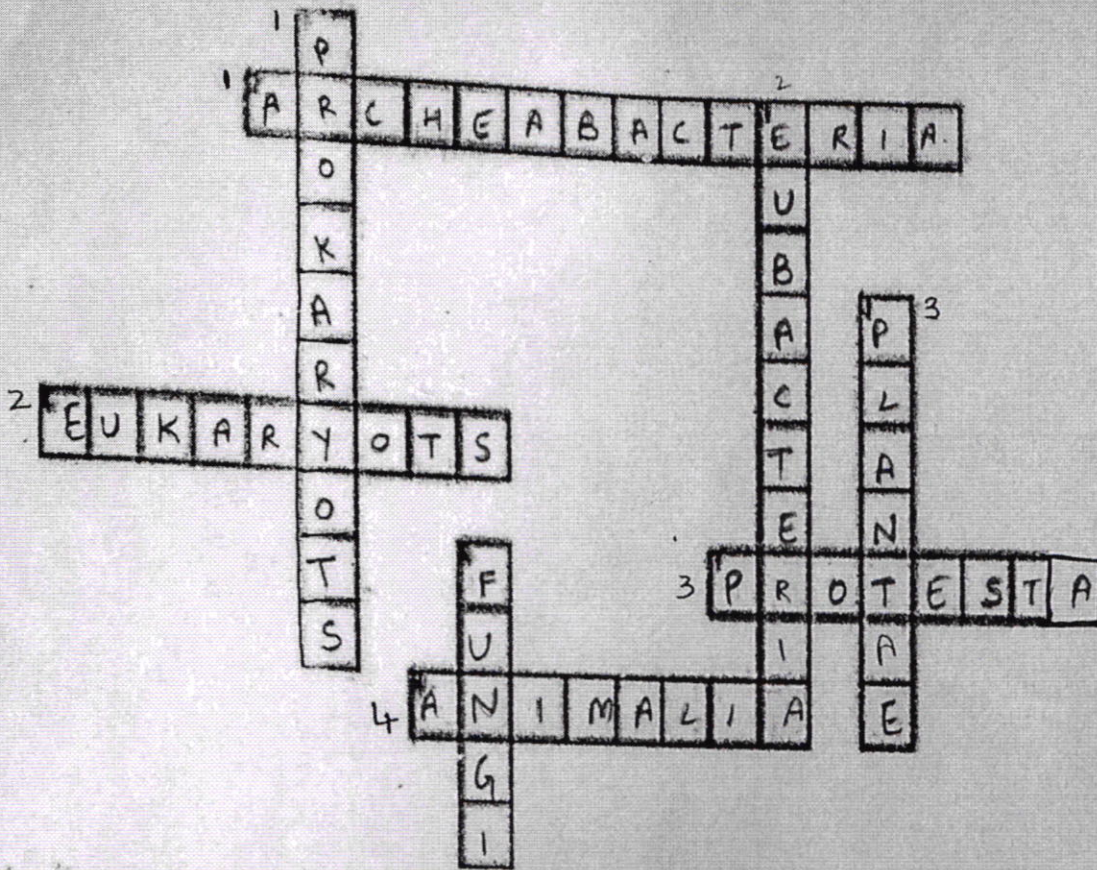
- QUIZ Anju paper**
32 Qs University Played 0 times
anjunair/227_51775 • a month ago Like Save
- QUIZ Agri & Env Practice Quiz**
51 Qs University Played 79 times
anjunair/227_51775 • a month ago Like Save
- QUIZ DRAFT Central Dogma**
0 Qs Played 0 times
anjunair/227_51775 • 3 months ago Like Save

Collections: My library, Created by me, Liked, Shared with me

You don't have any collections yet. Create collection

Windows Taskbar: Type here to search, Taskbar icons, System tray: 14:44, 06-02-2021

8
8



ACROSS

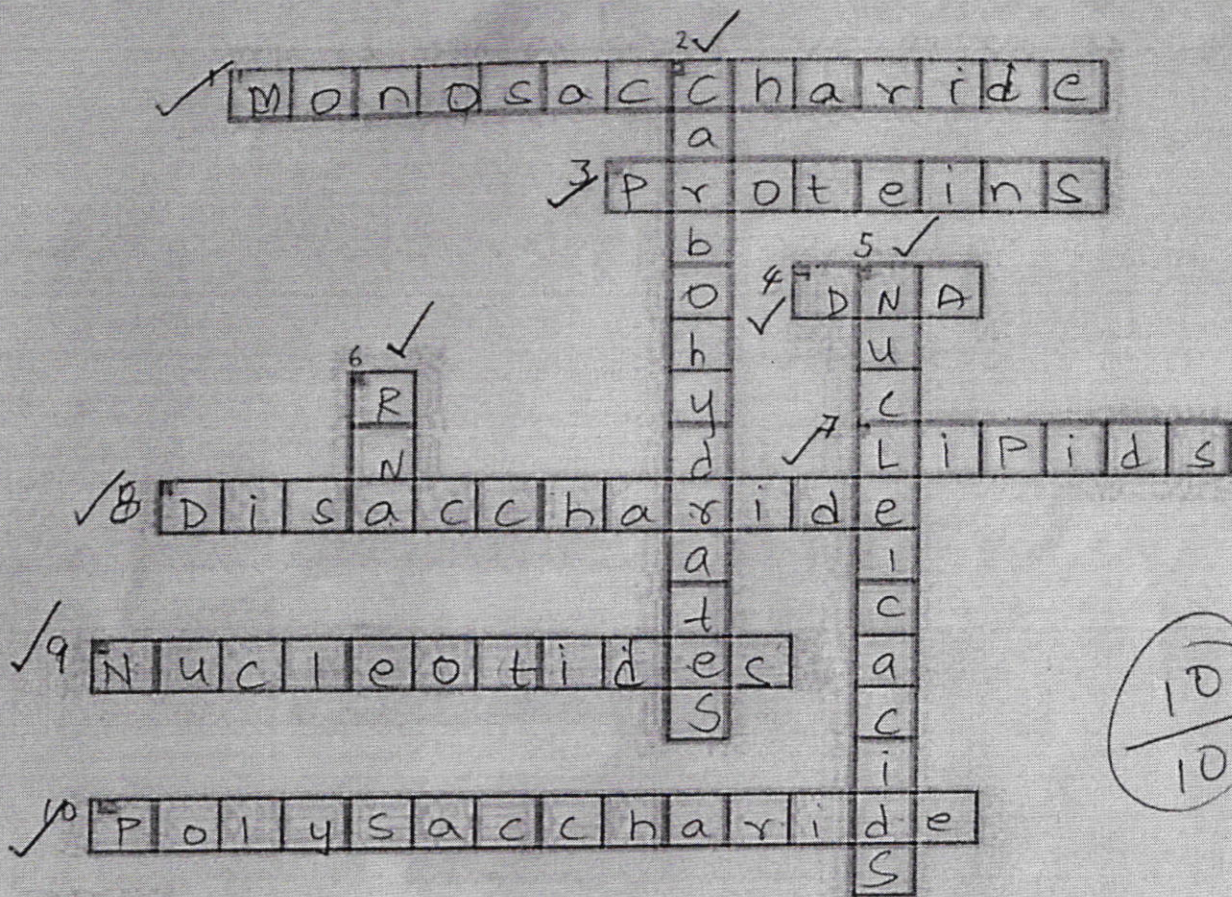
1. Single celled organisms that live in extreme environments ✓
2. A single or multicellular organisms where DNA is found in chromosomes inside a nucleus ✓
3. Microscopic, single celled organisms that don't fit into any other kingdom of life ✓
4. Multi-cellular organisms that eat food and can move around ✓

DOWN

1. A single celled organisms with no nucleus, membrane or any specialized organelles ✓
2. Single celled organisms that don't have a nucleus ✓
3. Multicellular organisms that make their own food using sunlight ✓
4. Mostly multicellular organisms similar to plants but cannot make their own food ✓

Rashi - 29

Megha - 24

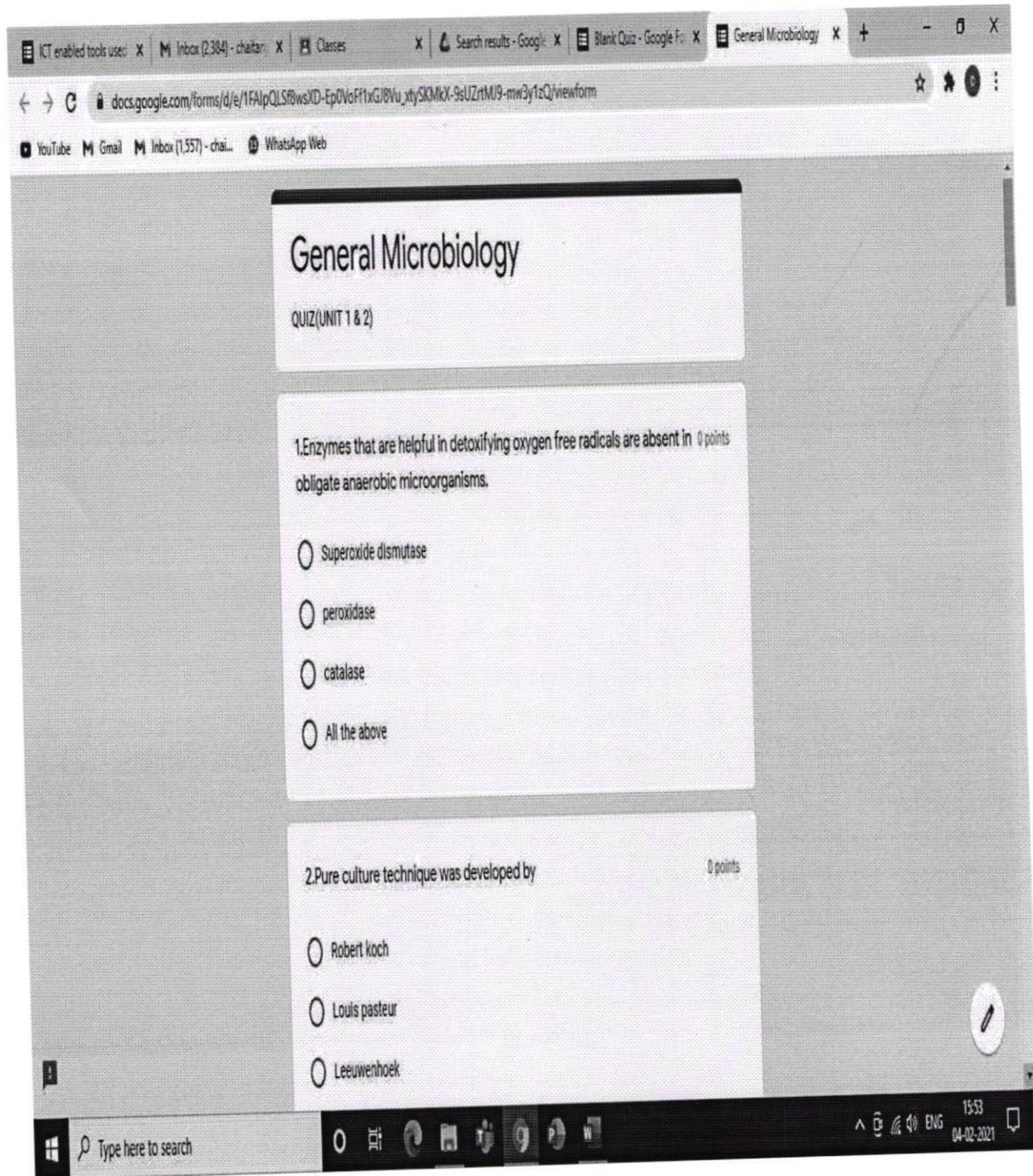
**ACROSS**

1. Any carbohydrate that cannot be broken down into simple sugar
3. Large organic compounds composed of one or more long chains of amino acids
4. A double stranded nucleic acid carrying genetic information in the cells of plants and animals
7. Organic compounds that are insoluble in water and include waxes, steroids and fats
8. Any carbohydrate made up of two linked monosaccharide
9. The basic structural unit of nucleic acid
10. Any carbohydrate made up of long chain of monosaccharide

DOWN

2. Organic compounds that includes fibre, starch and sugars
5. Large organic compounds that contain the genetic code for an organism
6. A nucleic acid that contains instructions from DNA for controlling the production of proteins

Poly saccharide.



QUIZ

P1. What is a pure culture

- A. Mixed Organisms
- B. one strain
- C. one species
- D. All of the above

ANSWER: c

2. Pure culture is also known as

- A. Slant culture
- B. Axenic culture
- C. stab culture
- D. Mixed culture

ANSWER: B

3. Dilution blank refers to

- A. Tubes containing your diluting liquid, in exact quantities
- B. A tube containing an original bacterial culture
- C. A tube with too few bacteria to be detected
- D. Any of the above

ANSWER: A

4. Pure culture was developed by

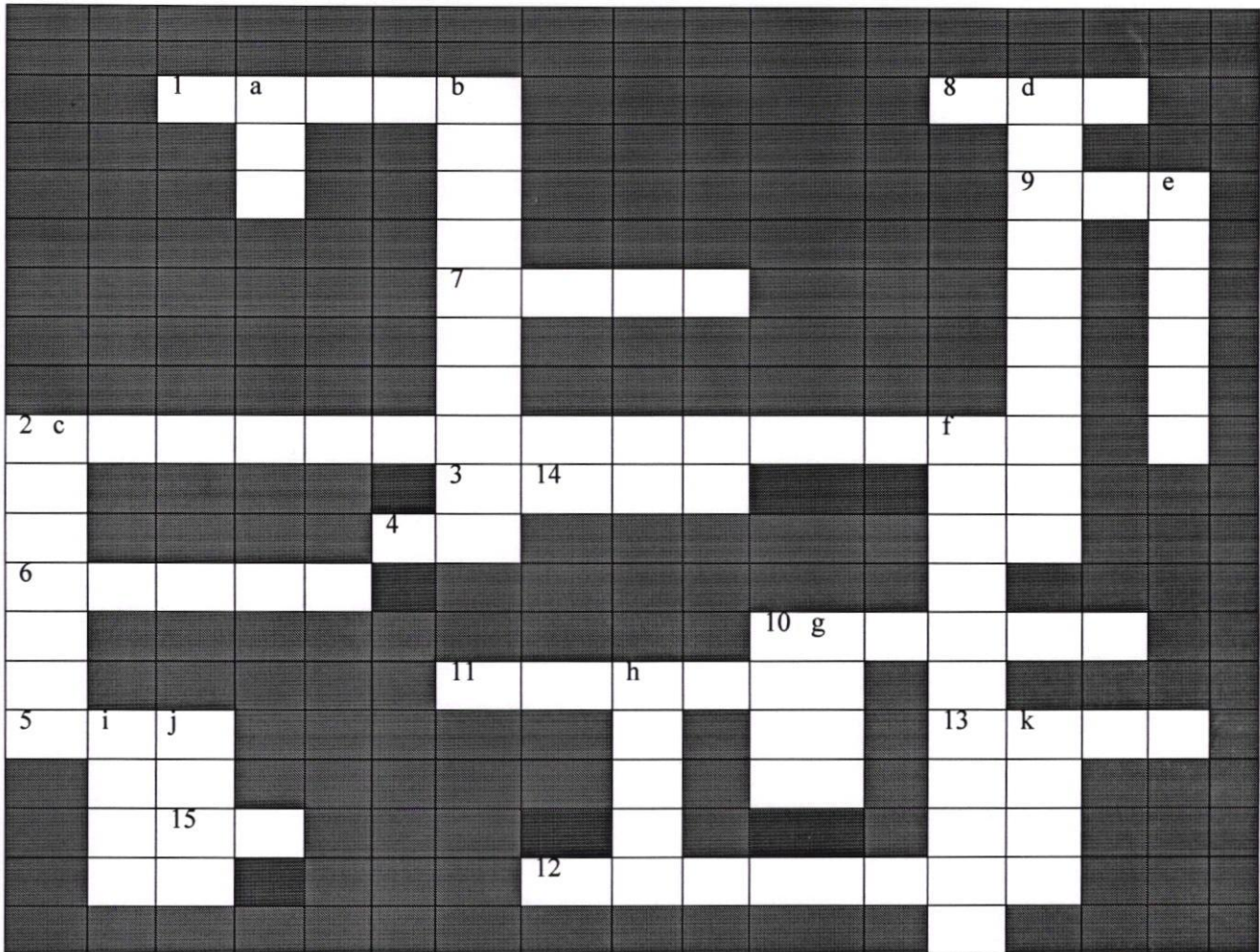
- A. Louis pasteur
- B. Robert koch
- C. Winogradsky
- D. Alexander flemming

ANSWER: B

5. The most common form of microbial cultures are

- A. liquid
- B. solid
- C. Semi-agar
- D. A & B

ANSWER: D



Across:

1. Role of an organism in an ecosystem
2. Indigenous microbes
3. Protective cover on biofilm
4. Chemical molecules in bacterial communication
5. Gram positive make these molecules to talk with other bacteria
6. Excessive growth of plankton under favourable conditions
7. Example of plant probiotic
8. Microorganisms which show negative effect on plant growth
9. Sequences used for fungal barcoding
10. Number of enzymes used in pyrosequencing
11. Advanced molecular technique used study microbial diversity
12. *lac z, gfp, lux* are used as
13. Microbes which play important role in plant growth
14. These organism can help in supplying phosphate to plants

Dr Y. Aparna

QUIZ

Browser tabs: eVal - Evaluation, 1264_1.pdf, Thank you, Classwork for MBIC 3 year 1, Quiz

Address bar: aparnachandra.gnomio.com/mod/quiz/report.php?id=24&mode=overview

Page title: Aparna

Navigation menu: short course, Participants, Badges, Competencies, Grades, General, **Topic 1 :Vaccines**, Dashboard, Site home, Calendar, Private files, Content bank

	First name / Surname	Email address	State	Started on	Completed	Time taken	Grade/10.00	Q. 1 /1.11	Q. 2 /1.11	Q. 3 /1.11	Q /
<input type="checkbox"/>	naga sravani vedanabhatla Review attempt	vsravani0611@gmail.com	Finished	23 June 2020 11:38 AM	23 June 2020 11:54 AM	16 mins 30 secs	8.89	✓ 1.11	✓ 1.11	✓ 1.11	✓
<input type="checkbox"/>	Annapurna angalla Review attempt	angaliaannapurna@gmail.com	Finished	23 June 2020 1:08 PM	25 June 2020 10:30 PM	2 days 9 hours	10.00	✓ 1.11	✓ 1.11	✓ 1.11	✓
<input type="checkbox"/>	manikanta jagabathuni Review attempt	manikantajmk@gmail.com	Finished	23 June 2020 4:26 PM	23 June 2020 4:46 PM	19 mins 24 secs	8.89	✓ 1.11	✓ 1.11	✓ 1.11	✓
<input type="checkbox"/>	kumari neelam neelam Review attempt	neelam4536@gmail.com	Finished	23 June 2020 4:52 PM	23 June 2020 4:54 PM	1 min 59 secs	10.00	✓ 1.11	✓ 1.11	✓ 1.11	✓
<input type="checkbox"/>	sharon mariam abraham Review attempt	sharon.m.abraham@gmail.com	Finished	23 June 2020 6:31 PM	23 June 2020 6:35 PM	3 mins 54 secs	7.78	✓ 1.11	✗ 0.00	✓ 1.11	↑

Taskbar: Type here to search, India..., Quiz..., Micros..., How..., Micros..., ENG IN, 12:58 15/02/2021

Mrs. Kalpana Quiz.

Molecular Genetics- Quiz questions

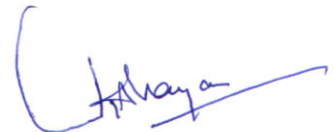
10/01/19

1. Lac operon is an example of _____ operon
(A) Constitutive (B) Inducible (C) Repressible (D) Attenuation
2. Attenuation in Trp operon occurs in
(A) E gene (B) B gene (C) L gene (D) A gene
3. The protein involved in maintenance of lysogeny in Lambda phages is
(A) C I repressor (B) Cro protein (C) Q protein (D) N protein
4. The function of N protein is
(A) Antitermination (B) Termination (C) Repression (D) Translation
5. The secondary regulation in lac operon is
(A) Tryptophan (B) lactose (C) cAMP (D) sucrose
6. Keto form is the more stable form of
(A) 2-Amino Purine (B) Guanine (C) Thymine (D) Cytosine
7. AAA (basic aa lys.) \longrightarrow AGC (basic aa arg.) bp change in the codon is due to the mutation
(A) Silent (B) Neutral (C) Missense (D) Nonsense
8. Cyclobutane pyrimidine photodimers are produced by
(A) X-rays (B) UV rays (C) Gamma rays (D) Cosmic rays
9. The chemical mutagen that induces frameshift mutations is
(A) nitrosoguanidine (B) proflavin (C) HNO₂ (D) NH₂OH
10. Specific locus test was conducted on
(A) *Salmonella* (B) mice (C) *Drosophila* (D) *S. aureus*
11. Zinc fingers bind to _____ of DNA.
12. Attenuation in trp operon occurs when _____ and _____ regions pair.
13. Dimerization of CI repressor occurs at the _____ end of the protein.
14. The first two genes transcribed during lytic cycle are _____ and _____.
15. Lac operon is an example of _____ system while trp operon is an example of _____ system in terms of gene regulation.
16. In suppressor sensitive mutants, the presence of the suppressor is a _____ condition.

17. G:C \longrightarrow T:A is a _____ mutation.
18. Deamination of 5-methyl cytosine will result in more mutable sites than the deamination of cytosine – why? _____.
19. A:T \longrightarrow G:C and G:C \longrightarrow A:T transition mutations can be classified by using _____ mutagenic agent.
20. The type of mutation wherein the effect is seen in the individual but not in the offspring is _____
21. Lac operon is an example of _____ operon
 (A) Constitutive (B) Inducible (C) Repressible (D) Attenuation
22. The product of trp R gene in Tryptophan operon is called
 (A) Repressor (B) Regulator (C) Aporepressor (D) Co- Repressor
23. The protein involved in induction of lytic cycle in Lambda phages is
 (A) C I repressor (B) Cro protein (C) Q protein (D) N protein
24. The function of Q protein is
 (A) Antitermination (B) Termination (C) Repression (D) Translation
25. The secondary regulation in lac operon is
 (A) Tryptophan (b) lactose (c) cAMP (d) sucrose
26. Most mutable sites are a result of deamination of
 (A) Adenine (B) Guanine (C) Cytosine (D) 5-methyl cytosine
27. Amino form is the stable form in
 (A) Guanine (B) Adenine (C) Thymine (D) Uracil
28. In DLTS given by Russel, which type of mutation is induced?
 (A) somatic (B) frame shift
 (C) base substitution (D) germinal
29. Spontaneous lesions are caused by
 (A) Base Analog (B) Depurination (C) Acridines (D) EMS
30. 8-oxodG brings about _____ mutations
 (A) G \longrightarrow T transversions (B) G \longrightarrow A transitions
 (C) A \longrightarrow C transversions (D) A \longrightarrow G transitions

31. DNA sequences that are located several base pairs away from the promoter but regulate rate of transcription are called _____.
32. Attenuation in trp operon occurs at _____ sequence.
33. RNA polymerase binding site in the promoter is _____ box.
34. The key gene for lysogenic cycle is _____.
35. Lac operon is an example of _____ system.
36. A mutant with a nonsense mutation will be viable when there is a mutation in the anticodon region of tRNA and is called _____.
37. Transition mutation can be identified by using _____ agent.
38. An example of base analog is _____.
39. The test for mutagens in which the result can be obtained in the first generation itself is _____.
40. Pyrimidines absorb UV light strongly at 254 nm to produce _____.

Quiz was held for MbGC – IIA and BtGC – IIC students by Dr Jyothi Nayar in Paper IV – Molecular Genetics



- Quiz (Mentimeter)

- Dept. of Computer Science
- Mrs. Rosy

QUIZ

Go to www.menti.com and use the code 52 22 016

Command used for creating an empty file

Option	Correct
Cat>file	✗
Touch	✓
Cat>>file	✗

Download results Reset results

Your question ?
Command used for creating an empty file

Options

- Cat>file
- Touch
- Cat>>file

+ Add another option

Go to www.menti.com and use the code 52 22 016

Leaderboard

Score	Participant
206 p	Nandini
183 p	Rakesh
183 p	Y. ruchitha
0 p	Charan
0 p	Zlatan
0 p	Sateja
0 p	Akshama navya
0 p	Pavan

Learn how to play

Go to www.menti.com and use the code 52 22 016

Command for moving a file

Option	Correct
Mv	✓
Cp	✗
Cut	✗

Download results Reset results

Your question ?
Command for moving a file

Options

- Mv

Blank Quiz

C SAMPLE QUIZ

what is c?

2 points

- programming lang
- application software
- system software
- None of the above

who is father of c lang

2 points

- Bjarne stroustrup
- Dennies Ritchie
- E.F.Codd
- None of the above

%d format specifier is used for _____ datatype

2 points

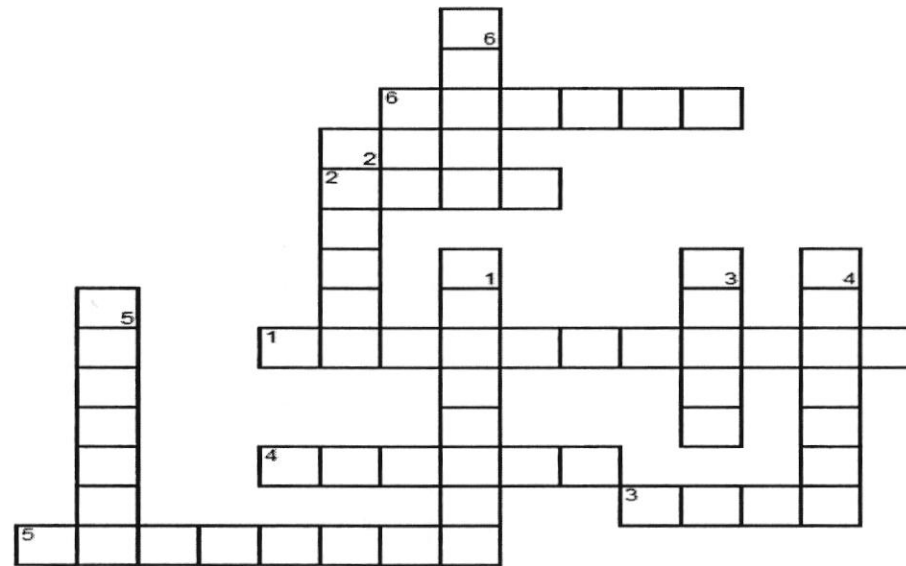
- int
- float
- char
- all the above

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Google Forms

B.com Computers 3rd year 5th semester Visual basic Quiz 2019-2020

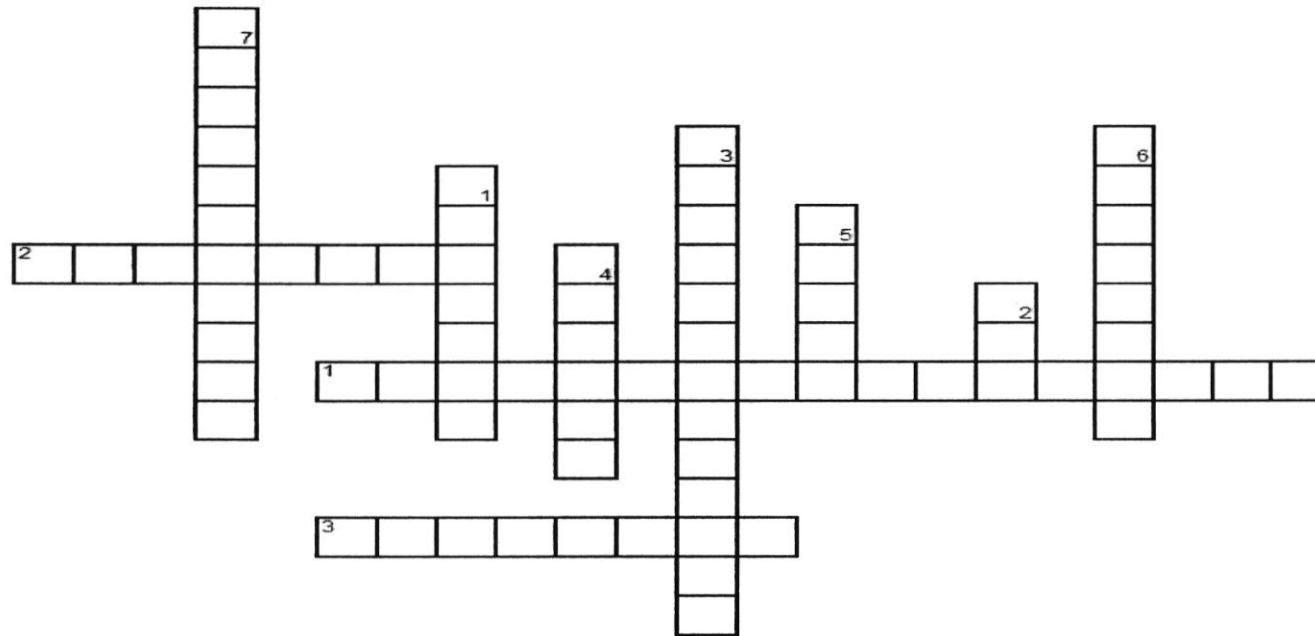


Across

1. property of OOP to share values
2. method to create pixel on screen
3. method to draw a line in the runtime
4. dialog box to display content
5. dialog box to accept runtime values
6. property of command button to delete value when press esc

Down

1. control displayed in square box
2. used to accept gender values
3. container used to combine multiple controls
4. graphical control used to insert resizable content
5. property used to display text for non editable control
6. graphical control to display available picture



Across

1. sequence instruction
2. control accept and display values
3. container works with index position

Down

1. control accept alphanumeric values
2. icons pointer are the elements of this
3. Combine functions and values
4. Reference of Class
5. container which merge multiple element
6. property used to accept many lines
7. front end GUI Application

Quiz conducted by students / for students

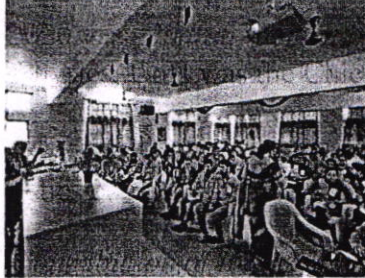
National Science Day celebrations-2020

Theme for National Science Day -2020 was “*Indian Women in Science*”.

Prof. Seshu Bai, Dean, School of Physics, UoH was the Chief Guest of this programme.

As a part of National Science Day celebrations, Department of Physics & Electronics along with Department of Mathematics & Statistics conducted

- Elocution competition on “*Contribution of Indian Women Scientist to global Science and Technology*”. Mrs Madhuri Mathur, Lecturer, Department of Languages (English) was Judge for this competition.
- Poster Presentation competition was conducted on the topic “*Indian Women in Science*” Dr Aparna Dode was the judge for this competition.
- Science Quiz, in which students from BVC and various other colleges had participated.
- Students of BVC exhibited live models of their project work.



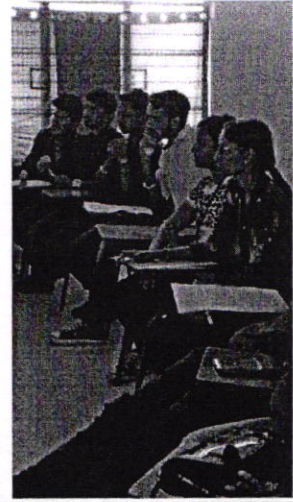
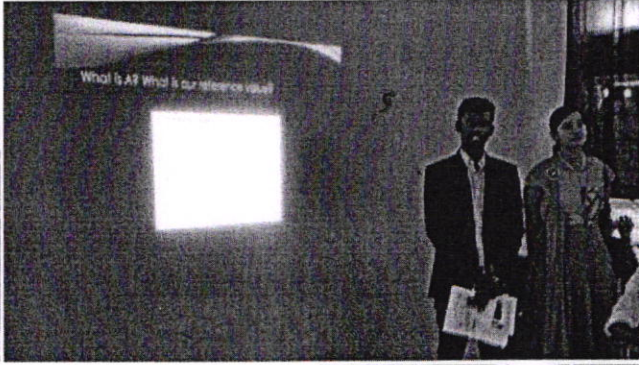
[Handwritten signature]

Javare

Santosh

Poojitha
Head of the Department
Department of Physics & Electronics
Bharathiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Quiz conducted by students / for students



Bonnie

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Terenda College
Sainikpuri, Secunderabad - 500 094.

Santosh

Quiz conducted by students / for students

mentimeter.com/x/7ee6705b3ad8cb91bd213c97d537e1a/ed616aaf031d/edit

Home / Science Day / Computer science

+ Add slide Import

1. C Preprocessors ca...

2. C Preprocessors ca...

Leaderboard

3. What is "short int" in...

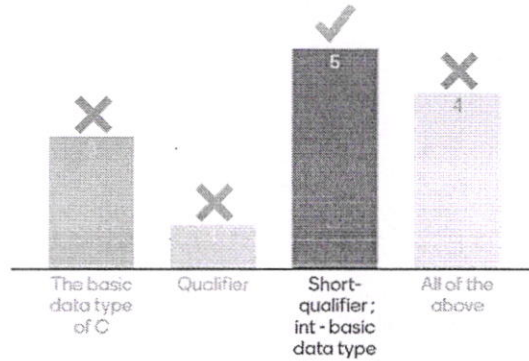
Leaderboard

4. When does the Arra...

Leaderboard

Go to www.menti.com and use the code 22 81 80 2

3. What is "short int" in C programming?



mentimeter.com/79408131c144002f00c1068e8a87c0053f00b134114979f693e

Home / Science Day / Physics

+ Add slide Import

Leaderboard

3. The back-and-forth...

Leaderboard

4. One Nano-meter is ...

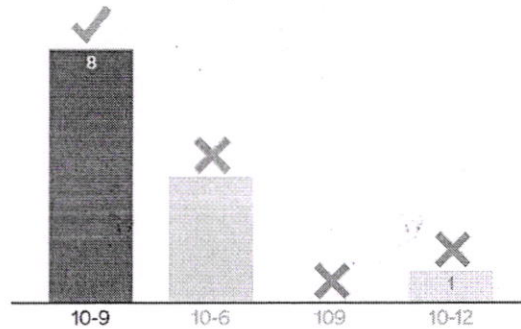
Leaderboard

5. A push or pull exert...

Leaderboard

Go to www.menti.com and use the code 43 49 21 2

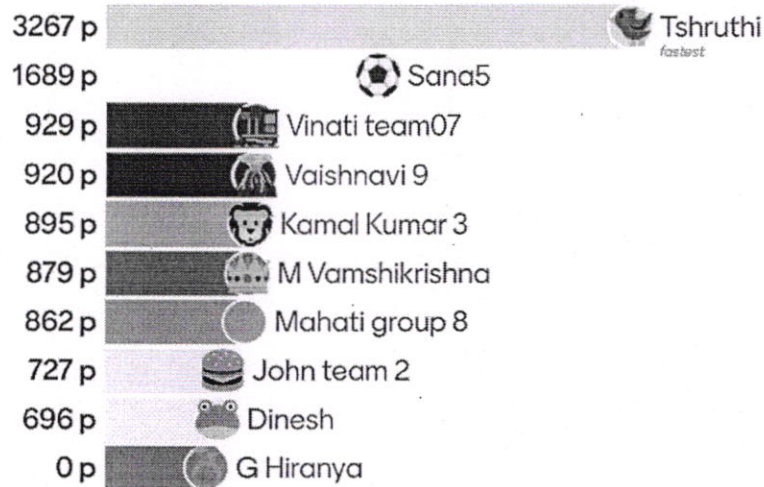
4. One Nano-meter is equal to ___ cm.



Dept. of Physics & Electronics
Shri Sri M. V. S. Dhanvan
Vivekananda College
Kollam - Secunderabad-502 001

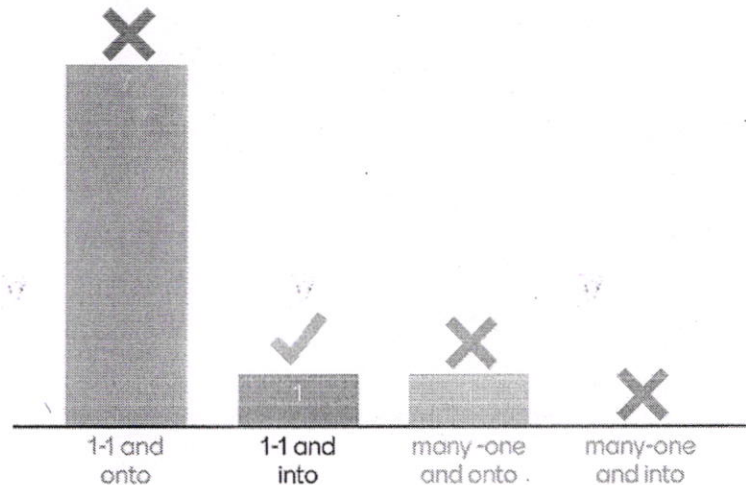
Screen shots of Quiz Prelims for Science Day using Mentimeter

Leaderboard



4) $f: \mathbb{N} \rightarrow \mathbb{N}, f(x) = 2x$ is

Mentimeter



Quiz in Physics and Electronics conducted by Ms Asiya Using Mentimeter.com, Padlet and <https://quizizz.com/>

17:38 [Navigation Icons] HD 4G 61%

Live Dashboard - Summary x +
quizizz.com/admin/quiz/5f522a688d0244001beb36f2/startV4

QUIZZZ [Play again!] [Review questions] [Themes] [Speaker] [Fullscreen] [Exit]

Rank	Name	Score	Percentage	Q1	Q2	Q3	Q4	Q5	Q6
4	Divya	3300	(66%)	✓	✓	✗	✗	✓	✓
5	Saba	3280	(66%)	✓	✗	✓	✗	✓	✓
6	Dipankar Manral	3000	(66%)	✗	✗	✓	✓	✓	✓
7	Ds	2540	(50%)	✓	✗	✓	✗	✓	✗
8	Dhiren Rao	2430	(50%)	✗	✗	✓	✗	✓	✓
9	Ar	2360	(50%)	✗	✗	✓	✗	✓	✓
10	Shiva Dey	2320	(50%)	✓	✗	✓	✗	✓	✗
11	Satya	1400	(33%)	✗	✗	✗	✗	✓	✓
12	nijhum	820	(16%)	✗	✗	✗	✗	✓	✗
13	Lavanya	710	(16%)	✗	✗	✗	✗	✓	✗
14	Ramani	690	(16%)	✗	✗	✗	✗	✓	✗
15	Aditya	0	(0%)	—	—	—	—	—	—

Asiya Ahmed

Quiz conduc

Quiz in Physics and Electronics conducted by Ms Asiya Using Mentimeter.com, Padlet and <https://quizizz.com/>

Quiz conducted by students / for students

<p>Anonymous 10h</p> <p>80</p> <p>True scalar</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>62</p> <p>True mam</p> <p>☆ RATE</p>	<p>☆ RATE</p> <p>Anonymous 10h</p> <p>T 72</p> <p>☆ RATE</p>	<p>move is called _____</p> <p>☆ RATE</p>	<p>☆ RATE</p> <p>Anonymous 10h</p> <p>57</p> <p>True</p> <p>☆ RATE</p>
<p>Anonymous 10h</p> <p>True 83</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>55 true mam</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>100</p> <p>True</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>True</p> <p>69</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>64 true</p> <p>☆ RATE</p>
<p>anjisingh1359 10h</p> <p>True 70</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>84</p> <p>True</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>52 true</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>True</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>True</p> <p>☆ RATE</p>
<p>Asiya Ahmed 10h</p> <p>Charge is a scalar quantity (True/False)</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>100</p> <p>Electric field</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>57</p> <p>Electric field</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>50 true</p> <p>☆ RATE</p>	<p>Anonymous 10h</p> <p>80e</p> <p>electric field</p>
			<p>Anonymous 10h</p> <p>EF</p> <p>72</p>	

Model making – exhibit during national science day 2019



Lavanya
Santoshi

Poojitha
Head of the Department
Department of Physics & Electronics
Bharathiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

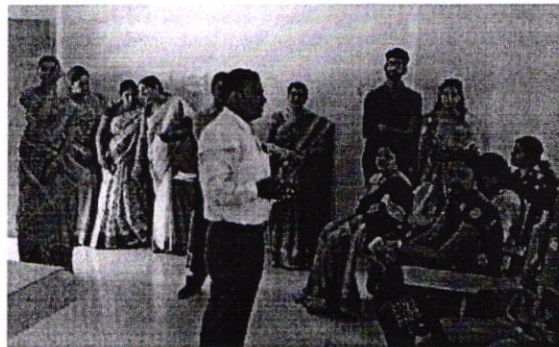
National Science Day celebrations-2019

Theme for National Science Day -2019 was "Science for the people and the people for the Science".

Dr J. Kedareshwari, Keeper, Education, Publications, Public Relations, Salar Jung Museum, Hyderabad was the Chief Guest of this programme.

As a part of National Science Day celebrations, Department of Physics & Electronics organized Poster presentation and Project presentation competitions. Dr Narendra Babu was the judge for these events.

12 teams had participated in Poster presentation and 18 students were involved in 6 projects.



Sanavea

A

an

Santosh

Pravin


Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.




Bhavan's Vivekananda College

The department of Physics and Electronics has organised an outreach programme for the academic year 2019-20 on 3rd February 2020 where in a group of students from 1st, 2nd and 3rd years of B.Sc. Physical Sciences voluntarily participated. The students along with the faculty members visited ZPHS Nagaram to demonstrate the basic topics in Physics and Electronics.

We reached the school premises by 9:15 a.m. Firstly we had and interaction with the teachers and staff of the school and asked for our requirements. The room was arranged by 10:00 a.m. and all of us were ready with the presentations and the experimental setups. The apparatus that was needed for the experiments was taken from the college. Firstly the students of 8th and 9th classes were gathered. We presented our presentations which mainly covered the basic topics of magnetism, optics, Newton's laws of motion and electricity. Later the students were divided into batches and were sent to the experimental setups where we demonstrated the

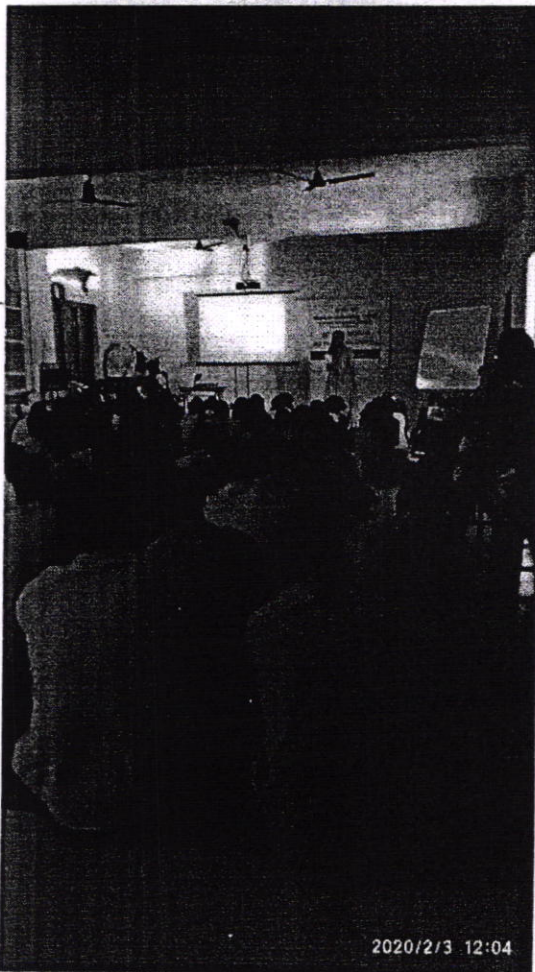
 Laxar


Head of the Department
Department of Physics & Electronics
Sharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

experiments. The simple experiments included dispersive power of a prism, images formed by a convex lens, verification of Ohm's, experiments related to Newton's laws etc.... Then the same repeated for the students of 10th class. The students remained enthusiastic throughout and were patiently listening to us.

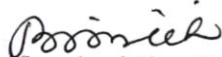
It was 1:00 p.m. by the time the demonstrations were done. It was really a great experience for us to interact with the students.

→ P. Shivaradhini (BSc MPCs 2A)



Lavanya




Head of the Department
Department of Physics & Electronics



Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University

Department of Languages: English
TLE Method: Flipped Learning

Name of the Faculty: V. Lakshmi
Prescribed text book: English in Use
Unit –IV: Review Writing: Film Review
Academic Year: 2019-20
Semester: IV

Hyper links of the few film reviews were circulated in the Google Classroom, before the explanation of film review writing. Students worked independently at their convenient time and fleshed out their ideas, few of them penned their ideas. Students discussed their ideas with their partners. Elicited the responses from all the students of the class and started to engage them in a wider discussion by demonstrating the topic in different perspectives. The activity was conducted in the month of January 2020.

Flipped learning model helps the students to develop their conceptual understanding, as well as procedural fluency.

M.S.Cs - 2 (2018-2021)

Review

Lakshmi English · 28 Dec 2019

Review.docx
Word



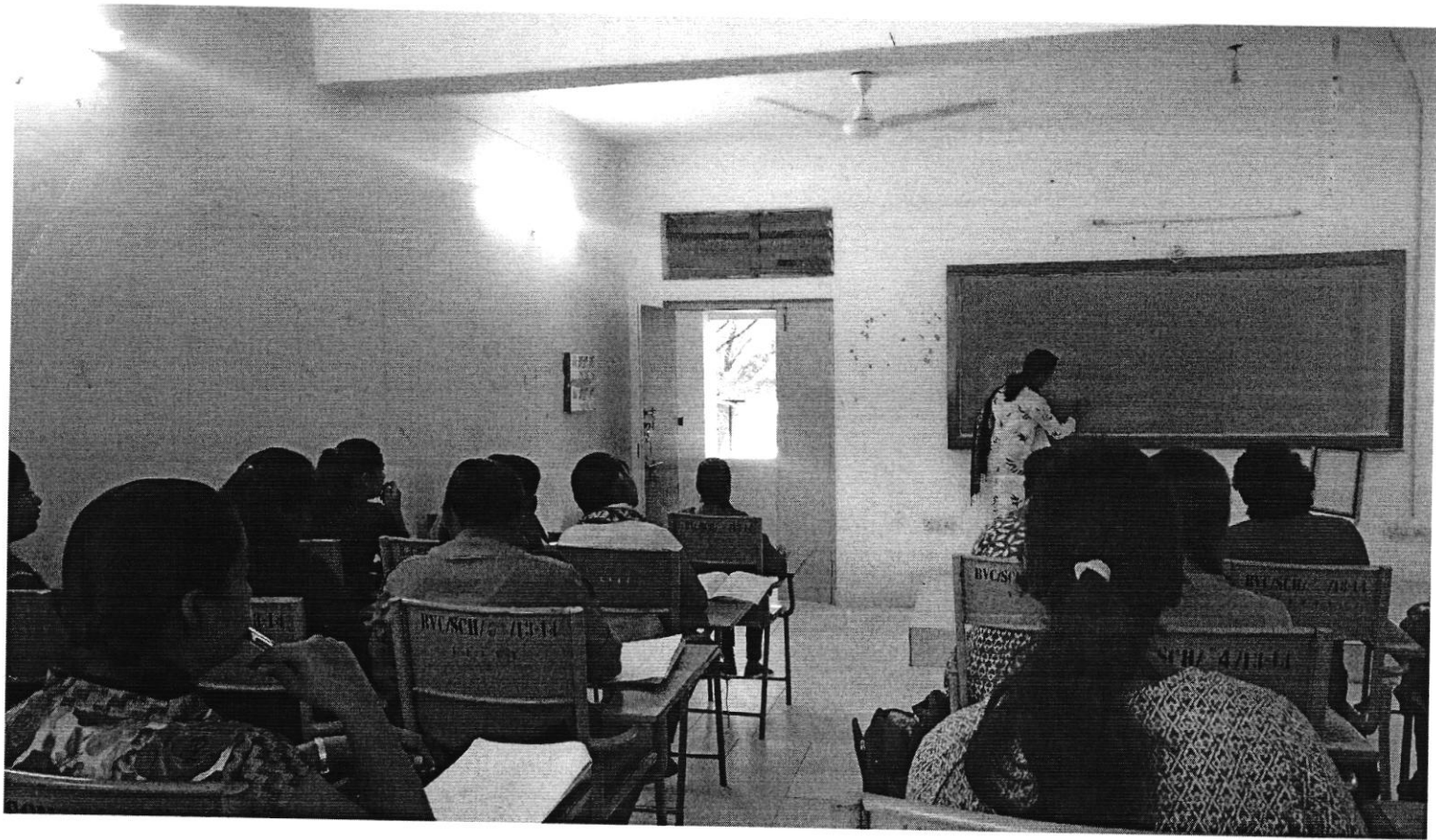


Flipped classrooms
(18-19)

Sammy no



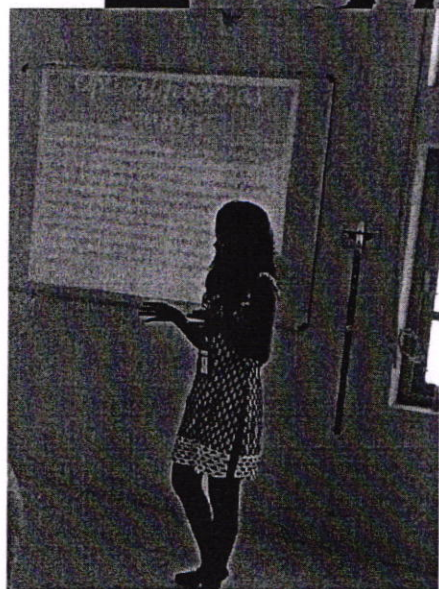
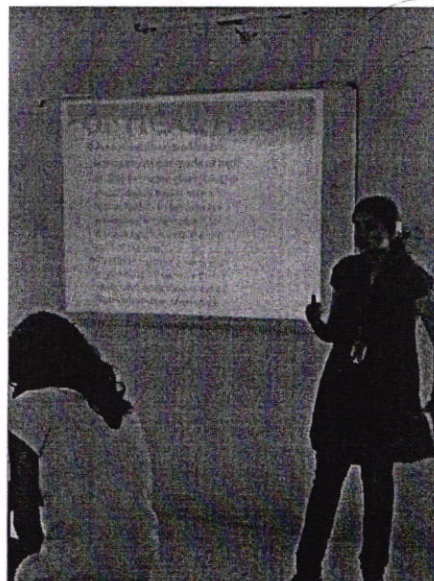
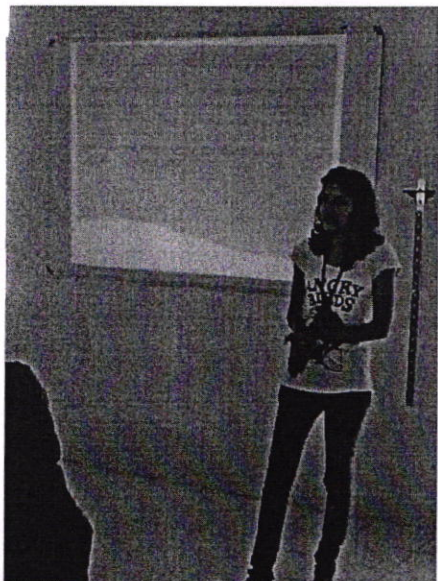
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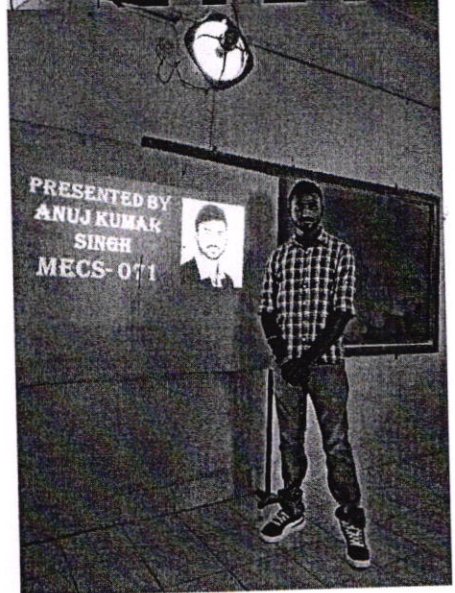
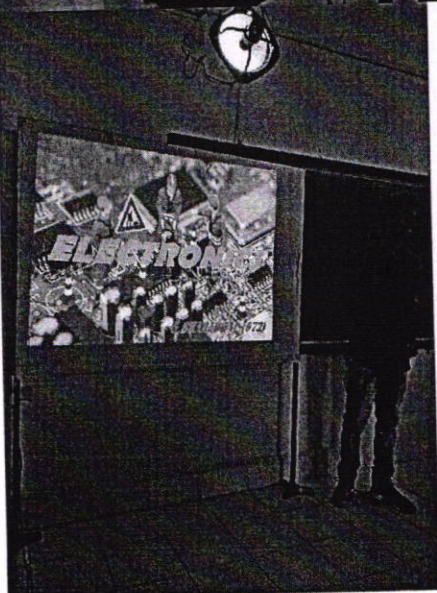
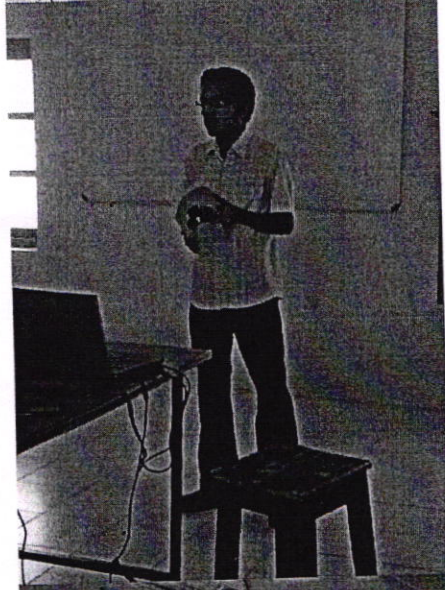
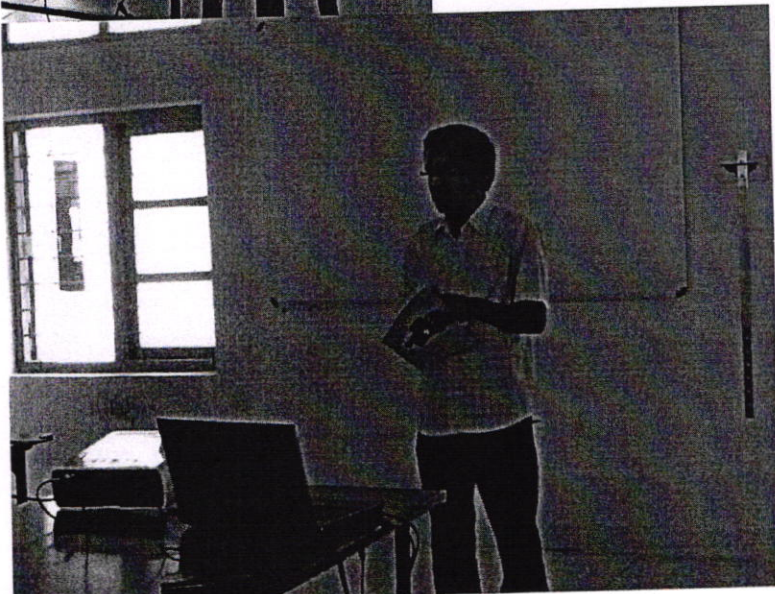
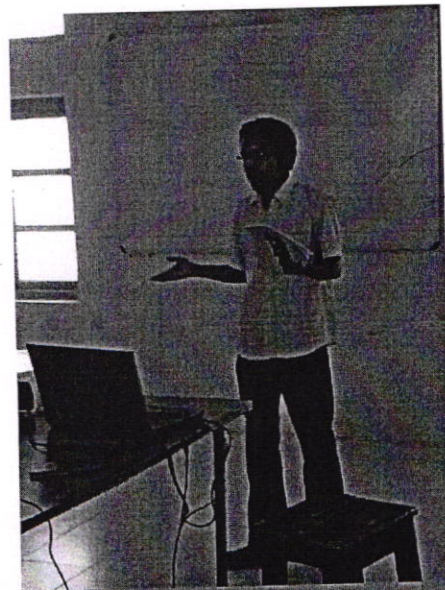
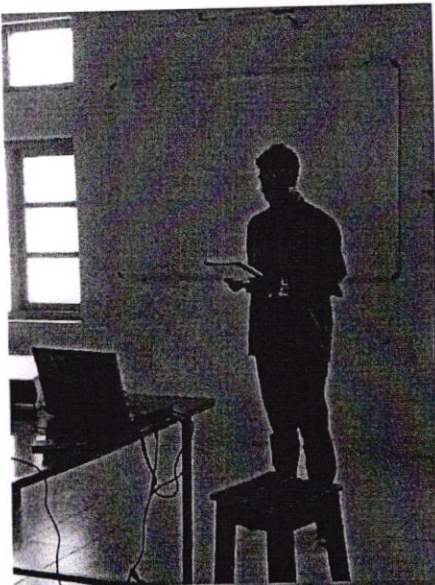
Capsule review

Students were given a opportunity to improve their teaching abilities and demonstration skills for their selected topics from the covered syllabus as a part of revision; this methodology will improve the confidence in student and he / she will get enough courage to face the exams confidently.



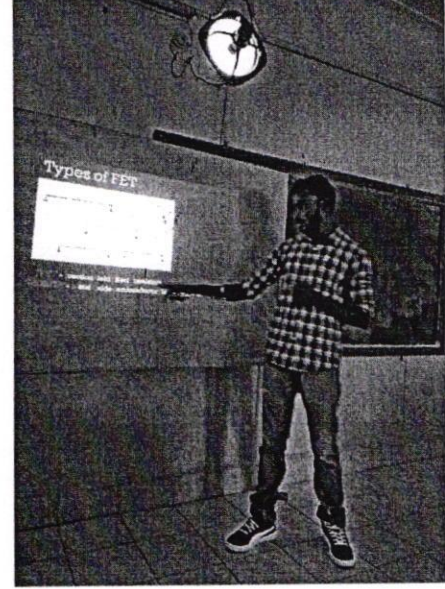
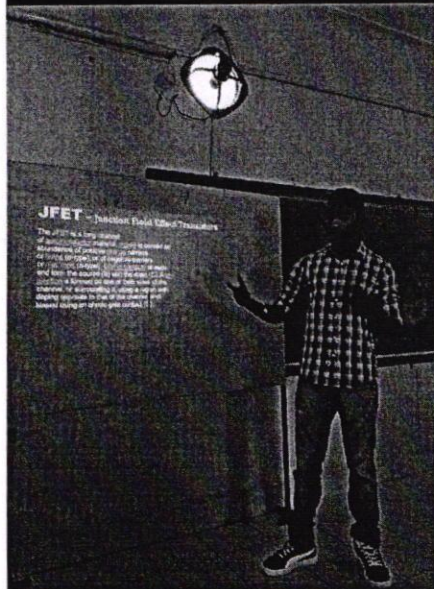
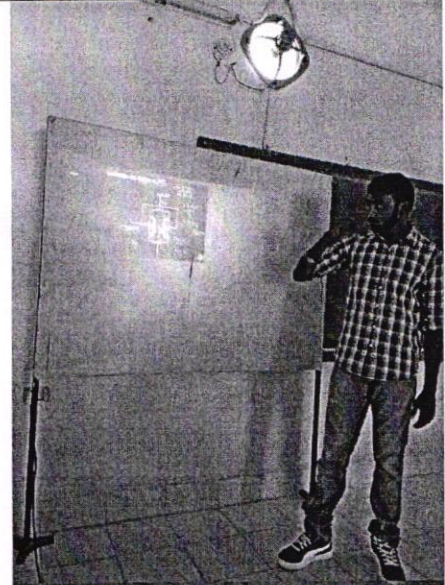
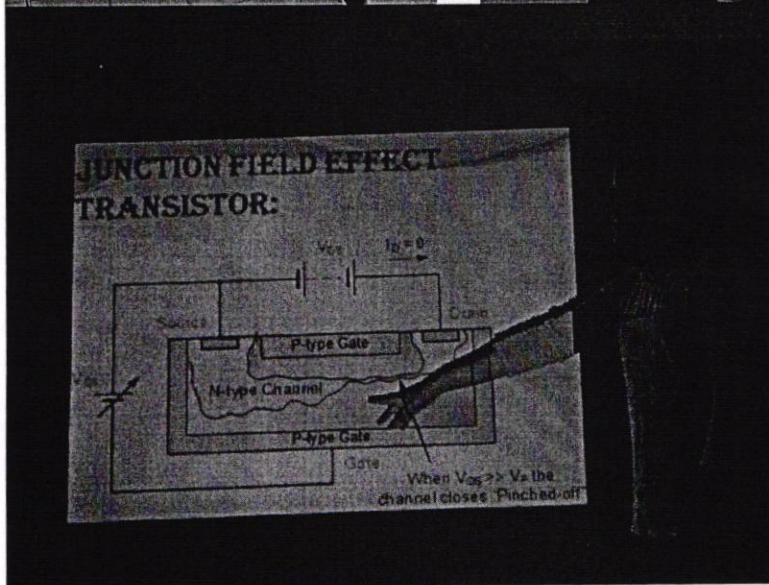
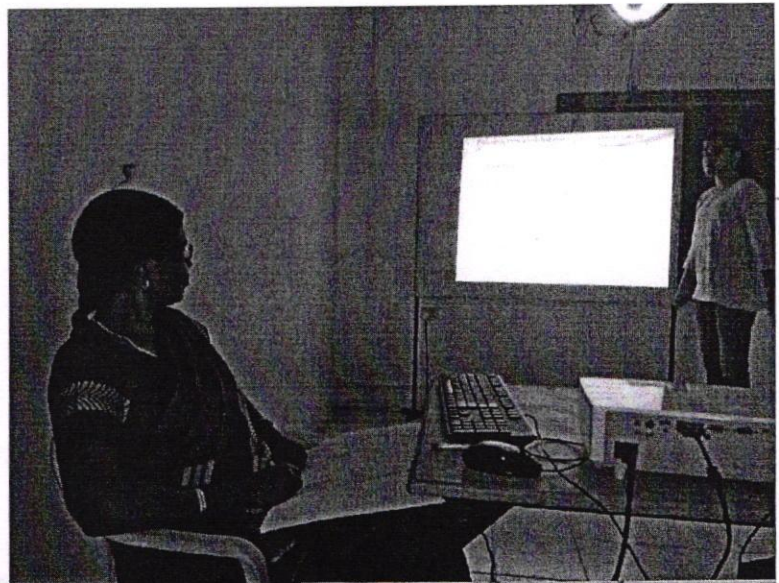
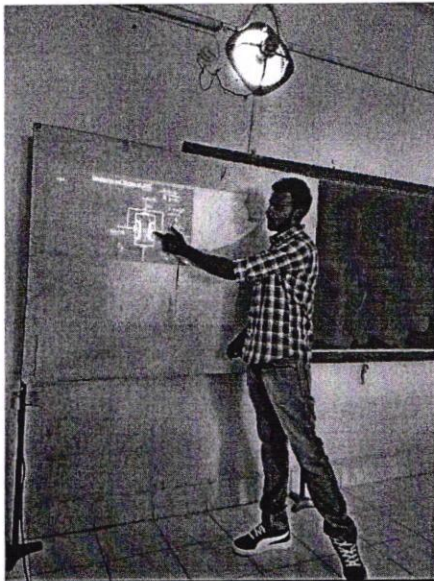
Poonil
Head of the Department
Department of Physics & Electronics
Sharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Capsule review



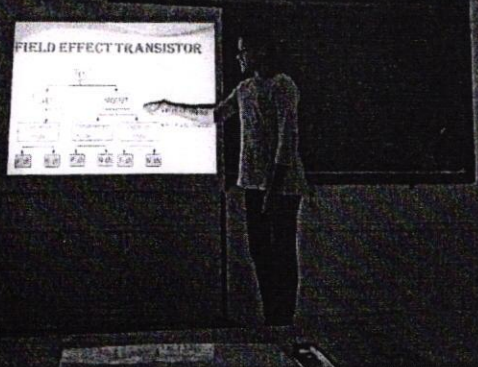
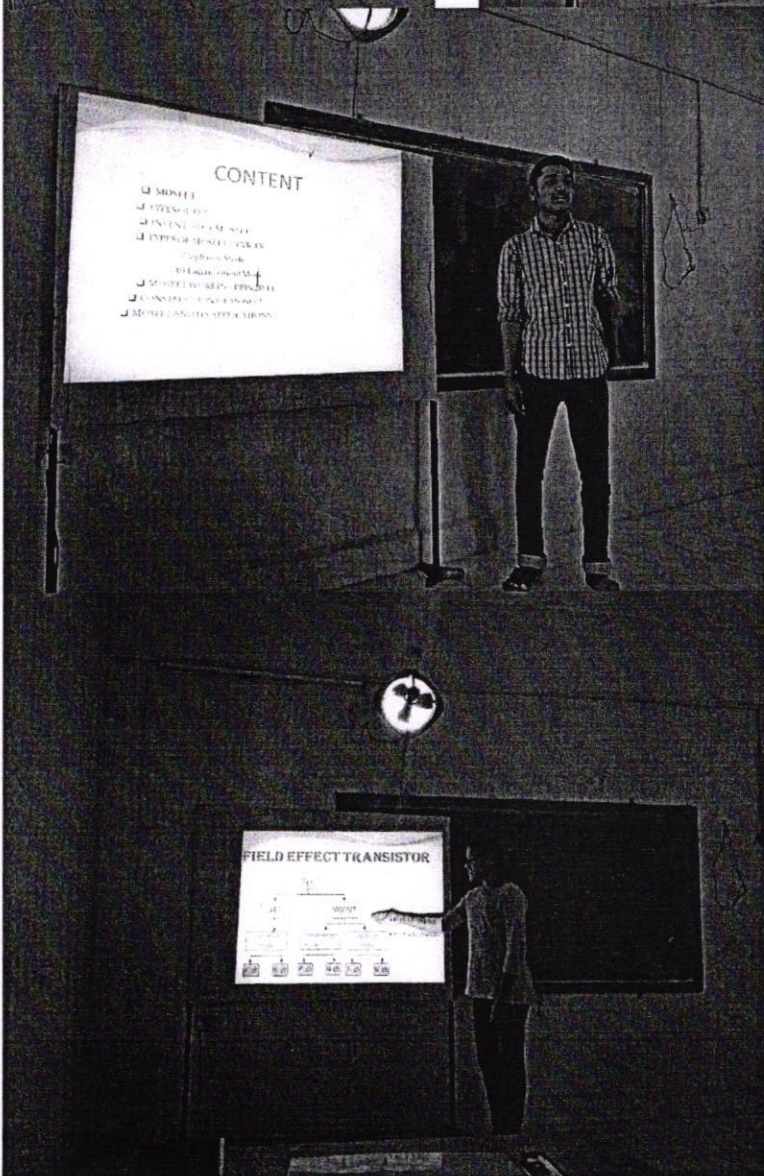
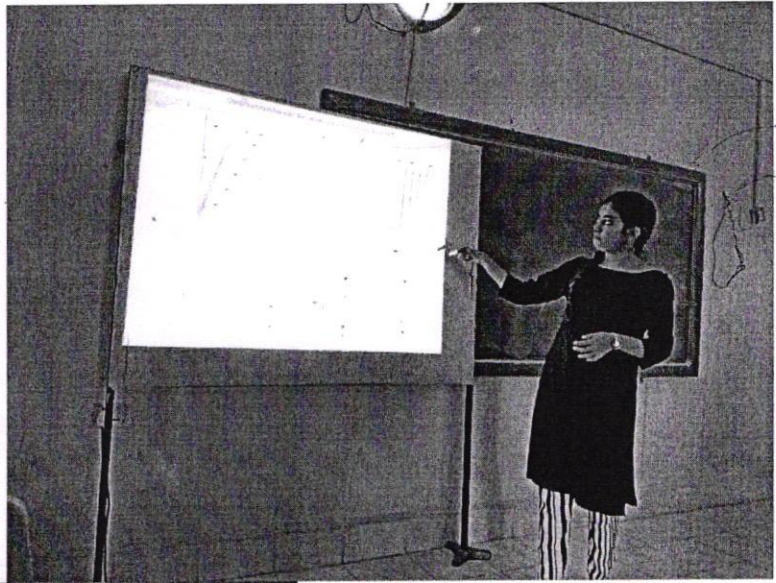
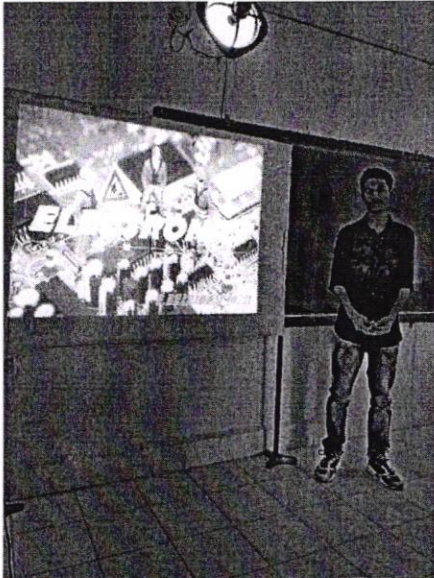
Boonil
Head of the Department
Department of Physics & Electronics
Sharatiya Vidya Bhava's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Capsule review



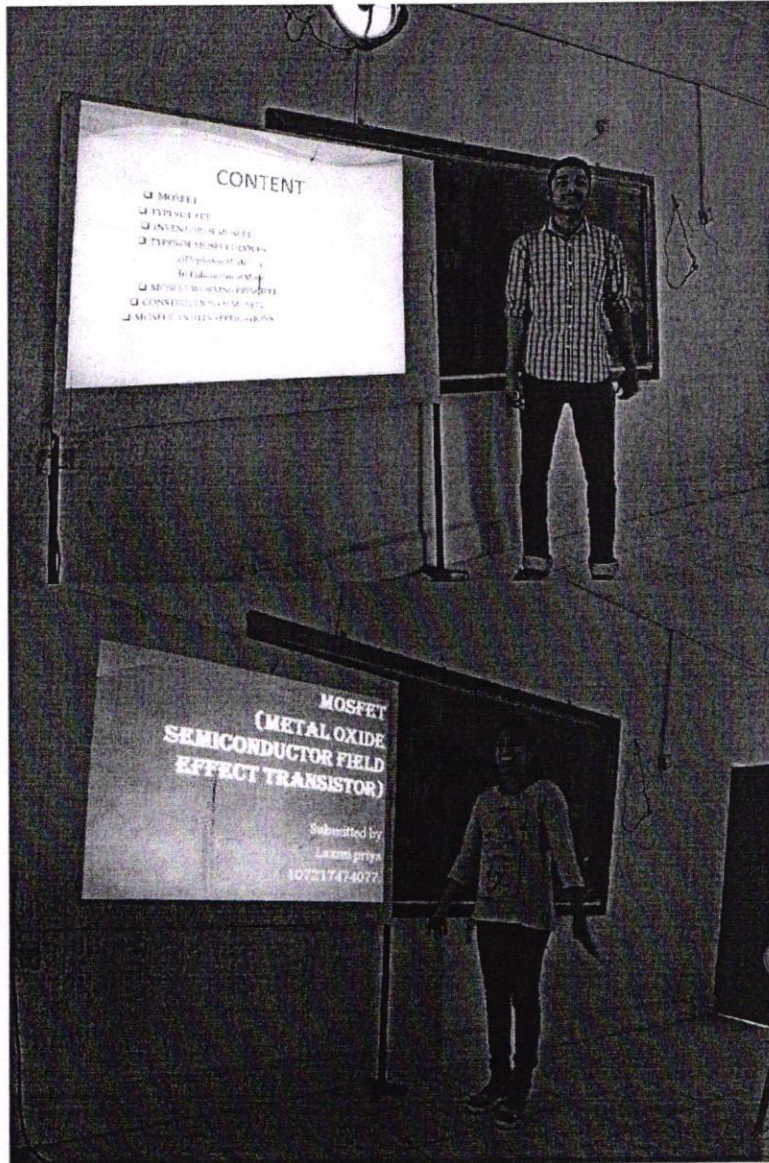
Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan - Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Capsule review



Pooni
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Capsule review



Pooja
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Peeth - Vivekananda College
Sainikpuri, Secunderabad - 500 094.

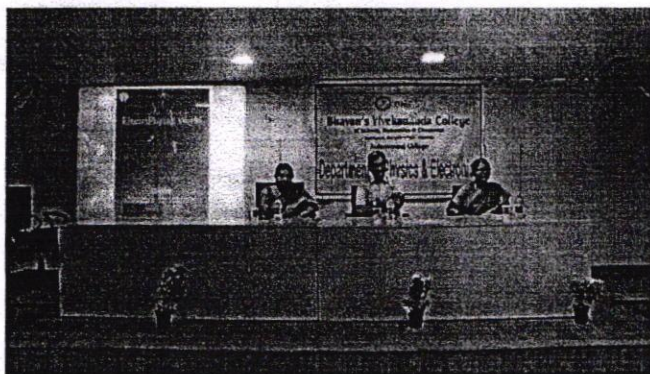
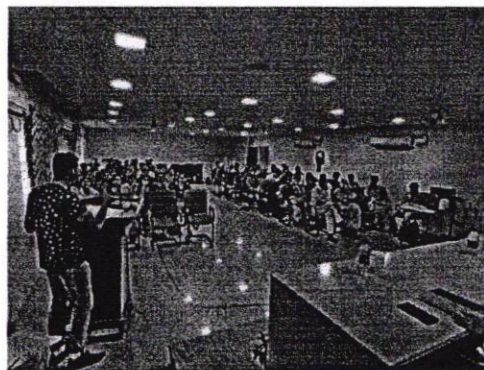
12. Article review: -

The students are assigned with reviewing articles as part of their Reporting and Writing course.

- The house of music at Pathuriaghata - T...
- A centrist New Year - The Hindu
- Due process is not partisan politics - The ...
- Trust deficit_ The Hindu Editorial on Dilli ...
- A fragile French republic - The Hindu
- Labour's data lost - The Hindu
- Should the government regulate TRPs_ - ...
- The lost meaning of objectivity - The Hin...
- Stephen Quinn, Stephen Lambie - Online...
- TikTok Has Many Troubles, India's Ban ...
- We Need to Consider Nationalising Priva...

Magazine release function on March 7th 2020

To promote scientific communication and to instigate curiosity in the subject, the Department of Physics and Electronics has come up with the student magazine, 'ElectriPhying World'. The 4th issue of the magazine was released on March 7th 2020 by Principal Prof. Y. Ashok. The cover page theme for the 4th issue of the magazine is chosen to be 'India's Race towards 5G' to get in tune with the developments in the field of technology and its implementation to reach the common man. The magazine also covers various articles related to recent developments in Physics and Electronics across the globe, few puzzles and some memes on science to include fun. Students of B.Sc. Physical Sciences also performed a Skit which is followed by interactive sessions.



Prasanna
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.



ElectriPhying World

Issue =

Department of Physics and Electronics

ElectriPhying World

INDIA'S RACE TOWARDS

Bharatiya Vidya
Bhavan

Bhavan's Vivekananda College

of Science, Humanities and Commerce

Sainikpuri, Secunderabad

Autonomous College

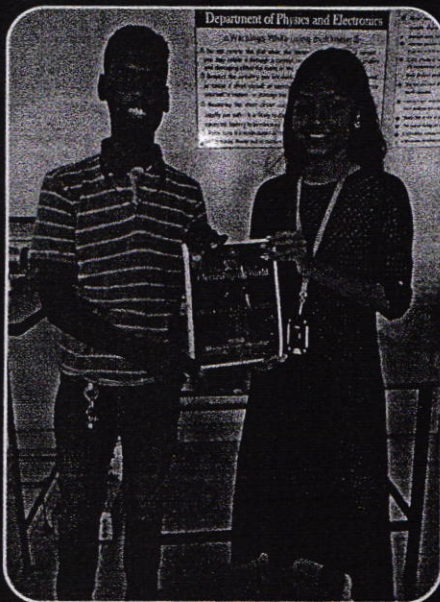
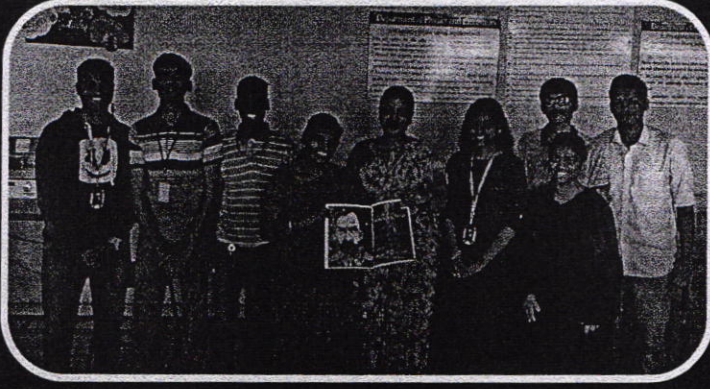
Affiliated to OSMANIA UNIVERSITY, Hyderabad.

Accredited with 'A' grade by NAAC

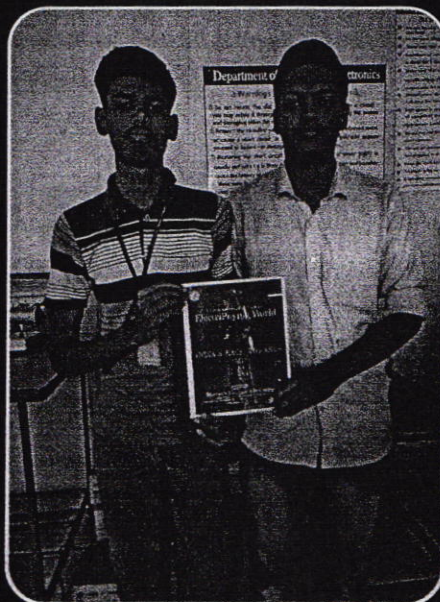
Head of the Department

Department of Physics & Electronics
Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094

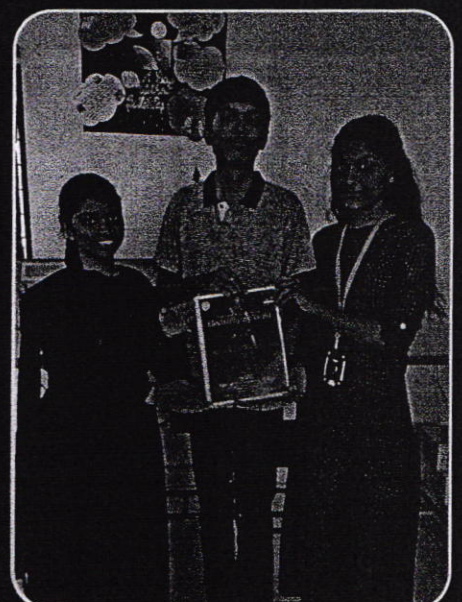
OUR TEAM



Main Editors



Advertising Team



Authentication & Editing

Chief Editor and faculty coordinator : Mrs V R Manjula

Main Editors : C Divya Darshini , S Allen

Authentication and Editing : Saba Anjum Khanam , B R Ramakrishna , C Divya Darshini

Advertising team : Rahul , Pushpraj

Cover and Magazine Designers : S Allen , P K Avanes

Chief Editor's Message



Technical documentation and scientific writing has received immense prominence with development in the field of media and publication. Documentation of any developed software is required to explain the functionality and to provide an accessible overview of all important aspects of the product. In the field of research, publication of Research Results is a global measure used by all disciplines to gauge the scientist's level of success. Thus, to promote scientific communication and to instigate curiosity in the subject, the Department of Physics and Electronics has come up with the student magazine, 'ElectriPhying world'.

To get in tune with the developments in the field of technology and its implementation to reach the common man, the cover page theme for the 4th issue of the magazine is chosen to be 'India's Race towards 5G'. Every single contribution to the magazine is informative and is very much commendable. Each of these little inclusions would definitely catch up your curiosity and provide a threshold for further research.

It has been an honor to be a part of the editorial team of ElectriPhying World. While checking for authentication or page designing each manuscript is thoroughly engaged with great respect. My heartfelt acknowledgements to the editorial and publication team for their relentless and untiring efforts in bringing the current issue. I congratulate all the members of the magazine team for their successful accomplishment.

A handwritten signature in cursive script, appearing to read 'V R Manjula'.

V R MANJULA
Chief Editor

Bhavan's Vivekananda College, Sainikpuri, Secunderabad.
Department of Physics and Electronics
List of Students with Review Article Titles

2017 - 18

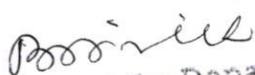
Student Name	Roll Number	Review Article name
A Rajeswari	47416006	Biometric attendance system using microcontroller
A. Rasagna	47416008	Working system of Arduino and using it as tool for study and research
Ch.Shrava	47416013	Micro processor 8085 based Traffic Light Control
D. Tejasvi	47416016	Embedded system:8085 microprocessor based parcel price calculator
Uday kumar	47416018	Automatic Microprocessor based Pumping system
D.lavanya	47416023	Simple Pendulum using 8085 Micro processor
K. Kalyan	47416034	ON -OFF Temperature control system using microprocessor for controlling heater
Kamle Abilash	47416035	8085 Microprocessor Simulation Kit
K. Abilash	47416036	Smart Blind Stick using Arduino.Microprocessor
M. Naveen	47416042	The implementation of Vedic Algorithms in Digital Signal Processing
M S Vamshi	47416045	design and implementation of microprocessor based temperature controller with real time display
NNVP. Nikhila	47416053	Design and Implementatin of a Microprocessor based Room Illumination control system
N.Sahithi rao	47416054	Microprocessor 8085 based Home Security System
N. Vamshi Krishna	47416056	Microprocessor based Overcurrent Relays
O L Meghna	47416057	The implementation of vedic algorithms in digital signal processing
P.S.G. Prasanth	47416058	Review paper on Application of 8085 as Automatic Electricity Billing
P. Lakshmi ridhama	47416060	Design and implementatin of Intellegent Car Parking
Reshmi	47416064	Motion of falling object
Afsheen Tabassum	47416069	Helping the blind see with their tongues
G Bharadwaj	107217474072	Transparent Electrodes
Deeksha Chatterjee	107217474073	Performance of electronic fuel injection system using compressor AMD controller

Bosinice
 Head of the Department
 Department of Physics & Electronics
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 Sainikpuri, Secunderabad - 500 094.

Bhavan's Vivekananda College, Sainikpuri, Secunderabad.
Department of Physics and Electronics
List of Students with Review Article Titles

2017 - 18

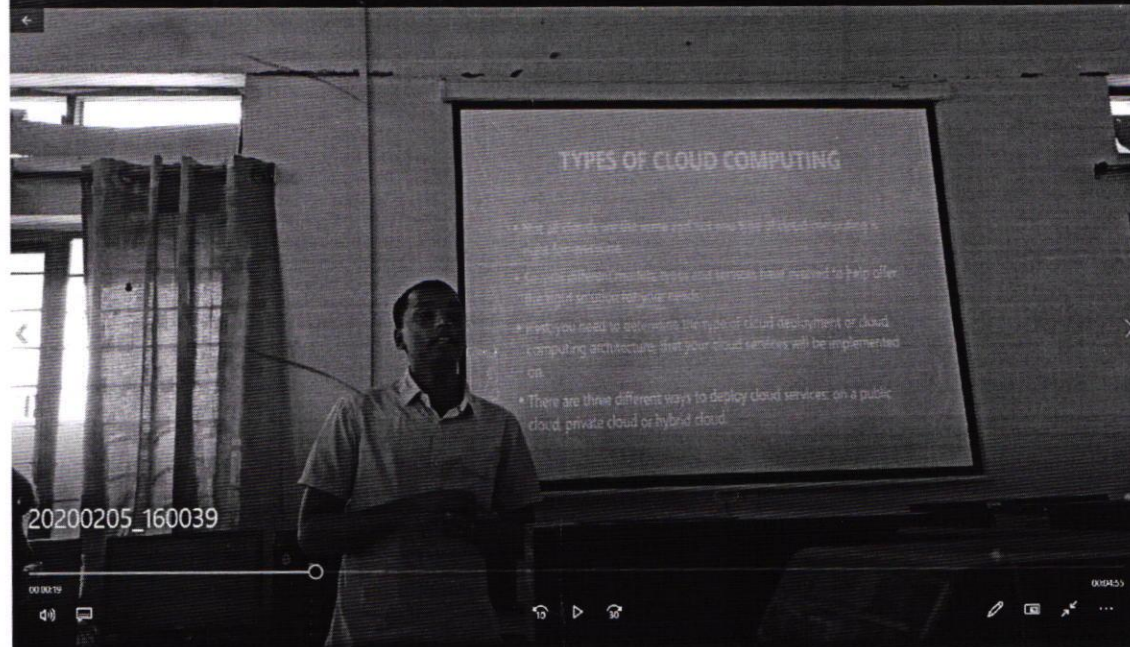
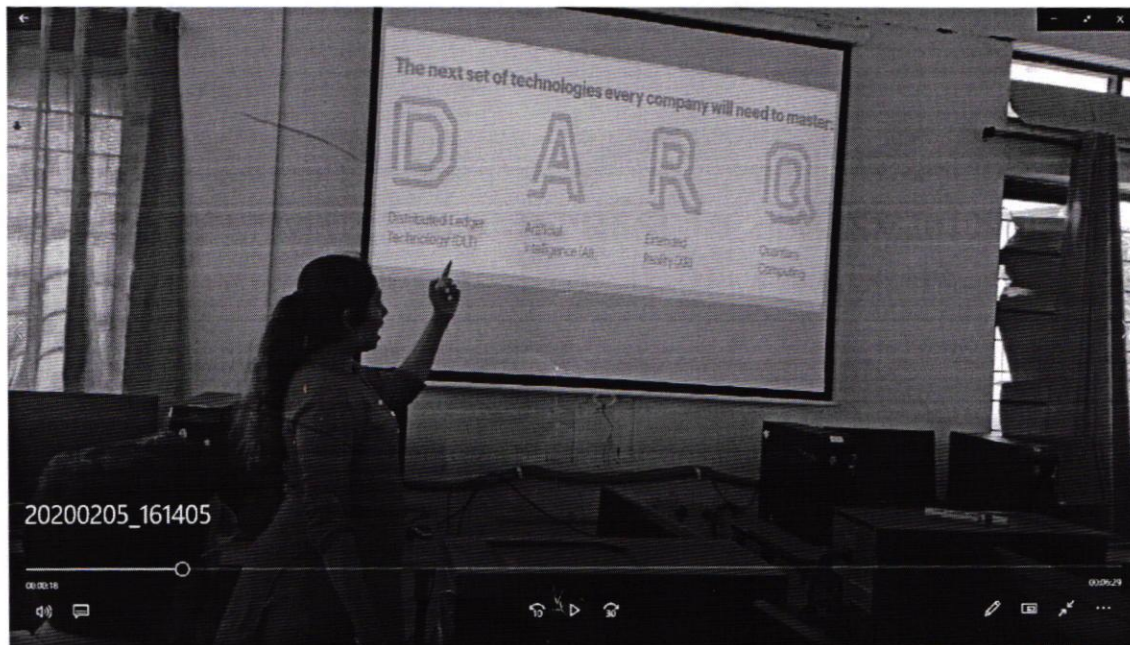
Student Name	Roll Number	Review Article name
Dheeraj Kumar Singh	107217474074	Electronic Voting Machine
GSL Mahathi	107217474076	Seismic Sensor (an earthquake alarm)
Laxmi Priya	107217474077	Smart vehicle control system based on ARM and μ C/OS
Manogna Sai	107217474080	A Review on Bare conductive wire
A Nagarjuna Rao	107217474081	Electronics in sports
Neeraj Kumar	107217474083	Smart Sensors
G Niharika	107217474084	An Article on bursting of mobile
Pranay S	107217474086	BEHOP - Beamhopping in satellite system
ki Rauto	107217474088	Wireless foot plantar systems
Rohit Raj	107217474090	Review on role of electronics to measure speed of cricket ball and bat
Sourav Yadav	107217474092	Organic light emitting diode (OLED)
Suryakanth Bal	107217474094	The future of car could be solar
A Madhusudhan	107247416007	A Microprocessor based clutter canceller for life locator system
P Kavya	107247416062	practical implementation of microprocessor controlled FCTCR compensator for voltage regulator


 Head of the Department
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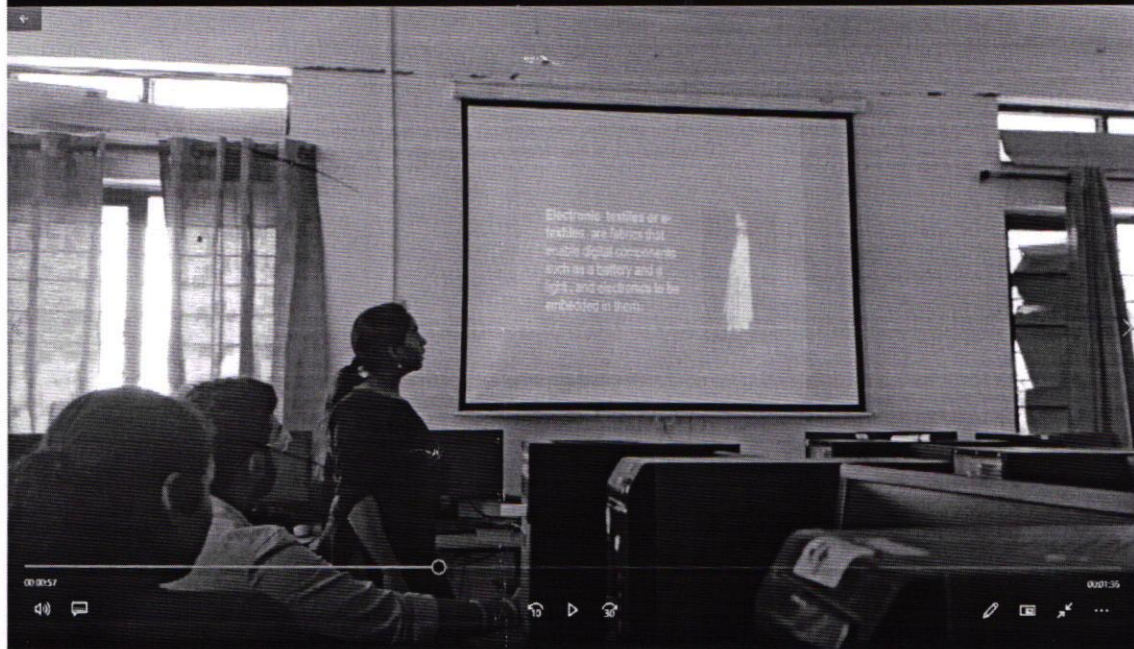
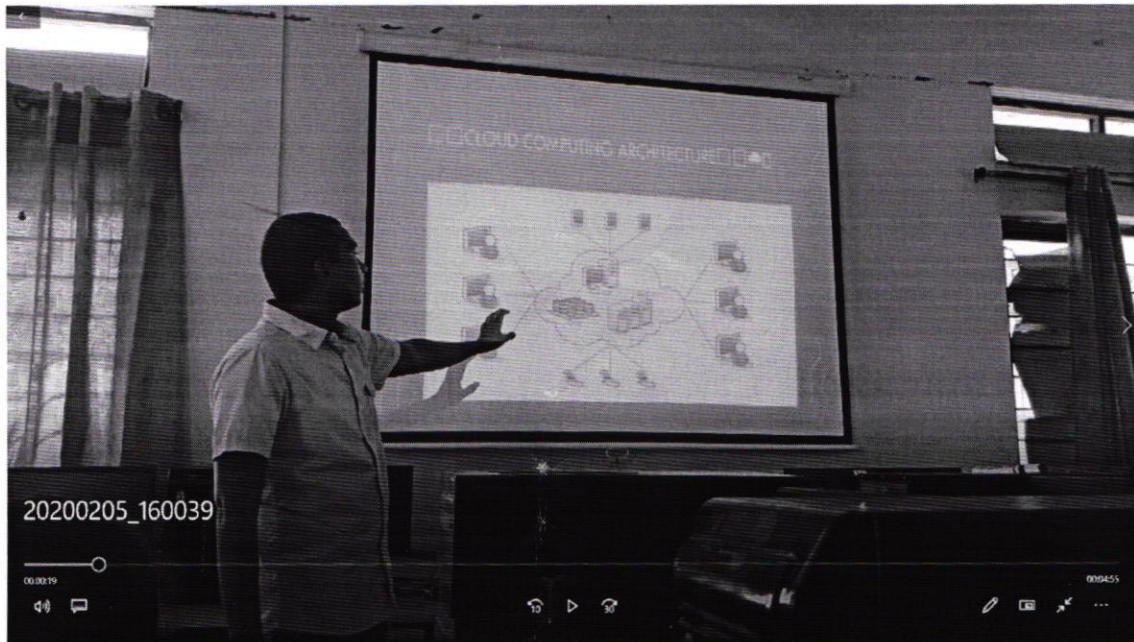
BCA SEM-IV SEMINAR PRESENTATIONS 2019-20

FACULTY INCHARGE: B. DIVYA REKHA

BCA IV SEM students have seminar presentations in their curriculum where in there will be marks for the seminars .Faculty will be giving topics to students so that they will do ppt presentations on given topics.



BCA SEM-IV SEMINAR PRESENTATIONS 2019-20



Chaitanya
Presentⁿ

**SUSTAINABLE UTILIZATION
OF BIO WASTE TOWARDS
THE SYNTHESIS OF
HANDMADE PAPER AND
THEIR APPLICATIONS**

PRESENTED BY

Sushmita Roy, 107218518016

GUIDED BY

Mrs S. Chaitanya kumari

Department of Microbiology,
Bhavans Vivekananda College, Sainikpuri

2018-2020



M.Sc Seminar (M.Sc Final year
Batch. 2018-2020)

1. Speaker Sri Lalitha
Topic Sensory photobiology.
2. Speaker Niharika.
Topic Genetic disorders - Autosomal disorders.
3. Speaker G. S Sneha.
Topic Sex linked disorders.
4. Speaker - Bhavya. & Madhuri. K.
Topic Blood & circulation.
5. Speaker - ^{Bushra.} ~~Digvijay~~ K. Sirisha.
Topic - Digestive system.
6. Speaker - Sunitha & Sushmitha.
Gametogenesis & Oogenesis.
7. Speaker - Kailya
- Developmental Biology of
Drosophila melanogaster.
8. Speaker - Supriya.
Plant Hormones.
9. Speaker - Mahima
Extra chromosomal Inheritance.

Faculty attended.

Dr. J. Sarada - J. Sarada

Dr. Shalini - ~~Sh~~

Mrs. Chaitanya - ~~Ch~~

Signature of Students:

1) Ch. Pravalika	Pravalika
2) T. Bhavaya	Bhav
3) P. Lakshmi Saijanya	Saijanya
4) C. Seanya Saurathi	Saurathi
5) G. Akshaya	Akshaya
6) B. Bindu	B. Bindu
7) K. Varitha	K. Varitha
8) Niharika Bohini	Niharika
9) P. Prathyusha	Prathyusha
10) E. Jai Abhishek	Jai
11) P. Praveen Kumar	Praveen
12) S. Omurthy	Omurthy
13) MA. Zameer	Zameer
14) V. Sai Haritha	Sai
15) Ch. Narayana Swamy	Ch. Narayana Swamy
16) K. Madhuri	K. Madhuri
17) J. Geethika	Geethika
18) CH. Supraja	CH. Supraja
19) Mahima Dhurka	Mahima Dhurka
20) N. Shanti Priya	Shanti
21) Poonam Pandey	Poonam
22) V. Suritha	Suritha
23) Sushmita Roy	Sushmita Roy
24) M. Kavya	M. Kavya
25) K. Sherisha	Sherisha
26) Pushra Akbasi	Pushra
27) Sruja G. S	G. S. Sruja
28) P. N. L. Sindalitha	Sindalitha

	M.Sc Final year 15.12.18	class attendance 17.12.18 - Seminar
	Ramya Krishna	Ramya Krishna
	M.K.R. Esha Mudisaj	M.K.R. Esha
	N. Hema Latha	Sarabala Beble
	A. Kavya	N. Hema Latha
12	K. Vaishnavi	A. Kavya
29	T. Blessy Jasper	G. Padmini
31	G. Sri Nandini	A. Sunitha
3	K. Pinky	K. Vaishnavi
4	Satiya Fatima	Prathina Panth
6	Tharun Deepa Singh	Sajiya Fatima
7	M. Sravanthi	S. Prashanth
8	Harsha	M. Harshavathi
11	36 Sravani	G. Sai Tejaswini
13	Prashanth	S. Haika
14	B. Sreevari Nagar	K. Pinky
15	G. Supriya	P. SRAVANI
16	A. Renuka	G. S. R. TEJASWINI
17	P.S. Shivani	B. Sreevari Nagar
18	G. Akhila	G. Supriya
19	P. Gracy	P.S. Shivani
20	G. S. R. Tejaswini	G. Akhila
21	S. Sowjanya	G. Sri Nandini
22	G. Sai Tejaswini	P. Gracy
	S. Haika	Sarabala Sowjanya
	A. Sowjanya	M. Sravanthi
	S. Sandhya Rani	A. Sowjanya
	B. Srikanth	S. Sandhya Rani
	S. Sudha Kisan	Sudha Kisan
	Yash Shah	Yash Shah
	Ravi Pandey	Ravi Pandey
	Satiya Fatima	T. Deepa Singh

2018 - 2019. Seminars/12/18

M.Sc ~~Pre~~ class Seminars.

Speaker. Topic.
1. Poulthina Panthi. - ~~Topic~~ Schizophrenia

Attended by

Dr. K. Anuradha

Date 15.12.18

Dr. J. Sarada

J. Sarada. 15/12/18

17.12.18. - Seminar

Ophiocordyceps unilateralis:- lifecycle
and its role in controlling ants
in tropical rain forest.

2. Speaker: Srikanth B.

Attended by.

Dr. K. Anuradha

Date.

Dr. J. Sarada

J. Sarada. 17.12.18

Dr. Sreedhar Bhattar

3. Molecular mechanism of circadian rhythm
Speaker: Sudha Kiran4. Molecular mechanism of autophagy.
Speaker: Yashu Shukla5. Burkholderia cepacia and its associated
diseases.

Speaker: Ravi Pandey

6. Non alcoholic fatty liver disease.
Speaker: M.K.R. Esha Mediraj




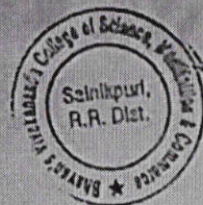
Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad - 500094
Autonomous College-Affiliated to Osmania University
Accredited with 'A' Grade by NAAC

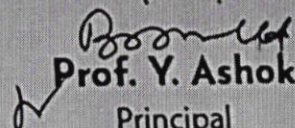
**Two day National Seminar on
"Innovations in Nanobiotechnology"**
27th and 28th February, 2019

Certificate

This is to certify that Dr/Mr/Ms. Anjali R has attended the National Seminar on "Innovations in Nanobiotechnology", organized by the Departments of Microbiology and Biochemistry on 27th and 28th February, 2019. He/she also participated in Quiz/ Scientific writing /Research Paper/ Research Poster/ Literature based Poster presentation Studies on effect of Electromagnetic radiation on Skin microbiota and Yeast cell and won 1st prize.


Dr. K Anuradha / Dr. A. Sai Padma
Convenors




Prof. Y. Ashok
Principal

OP8. Determination And Comparison Of Chemical Properties Of Fatty Acids Extracted From Processed Foods

Priyanka and S. Vanitha*
Department of Biochemistry
Bhavan's Vivekananda College of Science, Humanities and Commerce
Sainikpuri, Hyderabad
Corresponding author -e mail ID: vanithas2003@gmail.com

Oils and fats are important part of human diet and are a rich source of dietary energy. The chemical composition of vegetable oils is saturated and unsaturated fatty acids and glycerides. Foods that are rich in lipids are susceptible to oxidation and when these foods are exposed or cooked at high temperature and stored for a long time their quality changes. The main objective of this study was to extract lipids from various food samples using diethyl ether and ethanol(3:1) as solvent mixtures. Chemical properties of fats like acid, iodine, saponification and peroxide values were performed for commercially available packed oils, used or reheated oils from local vendors and fats extracted from processed foods that were labeled and for unlabeled samples. Thin layer chromatography was performed to identify the type of fat qualitatively.

The results obtained were chips had highest acid value (8.61), chocolate showed highest saponification value (277.6) and lowest iodine value for unlabeled chocolate. Fats extracted from cake showed highest peroxide value (19.04). Chemical properties of fats present in used or reheated oils purchased from local vendors showed remarkable changes for all the parameters. Lipids separated by TLC showed presence of saturated and glycerides in processed food samples. Changes in these properties are due to various factors like change in temperature, action of moisture, degree of oxidation or storage time. Consumption of deep fried and baked food products at regular intervals is a health concern for various reasons. To diagnose the exact gravity of this situation analysis of chemical properties of processed foods may give an insight for the cause of various cardio vascular diseases.

Key words: Lipids, Iodine, Processed foods, Peroxide, Thin layer chromatography

OP 9 . Comparative study of commercially available mouthwashes with that of herbal mouthwashes on pre-dominant oral cavity flora-*Streptococcus sp*

Esha¹ M, Dr. KV Ramana Reddy², Dr. Anirudh Kumar Mathur² and K. Anuradha¹ *

Department of Microbiology, Bhavan's Vivekananda College of Science, Humanities & Commerce, Sainikpuri, Secunderabad.

Department of Ortho Dontics, Army College of Dental Sciences, Hyderabad.

Corresponding author -kanuradha_7@yahoo.com

Oral cavity is a vital part of the body and contributes to total health and wellbeing. Poor oral health affects general health and leads to systemic diseases like dental caries. The association between oral diseases and oral cavity flora is well established. There are more than 700 species of bacteria which may affect oral cavity and a number are implicated in oral diseases. Dental caries are developed by micro-organisms like *Streptococcus*, *Lactobacillus* and *Actinomyces* which can be inhibited with the use of herbal and commercial mouthwashes as they show anti-microbial activity. Many researchers studied effect of anti-microbial activity of plant extracts on microbial flora of oral cavity. However, the studies on green synthesis of silver nanoparticles from the plant extracts and its effect on microbial flora of oral cavity would be a significant finding as these nanoparticles are efficient at very low concentrations and can penetrate into dental cavities easily. The silver nanoparticles play a crucial role in dental field for not only controlling the pathogens but also in other applications of nano dentistry.

The present study includes screening, isolation and identification of microbial flora of oral cavity and to determine the effect of silver nanoparticles on oral flora. 50 oral cavity samples of patients fitted with dental braces from Army College of Dental Sciences and other dental clinics were collected. *Streptococcus species* was the predominant bacteria found in all these samples and the same organism is selected for comparative study of effect of commercially available mouthwashes like Orarite, Histidine and Whisper mint with that of herbal products like *Azadirachta indica* (Neem), *Ocimum santum* (Tulsi), *Mentha* (Peppermint), *Piper betel* (Betel) and *Syzygium aromaticum* (Clove). The results demonstrated that herbal products have more anti-microbial activity on *Streptococcus species* than the commercially available mouthwashes. These plant products were further tested for green synthesis of silver nanoparticles. The Silver Nanoparticles produced were characterized by Spectrophotometric, FTIR and SEM analysis. The silver nanoparticles synthesized from these plant products are safe, efficient and economical to use in herbal mouthwash preparations for dental diseases.

Keywords: Green synthesis, Silver nanoparticles, Plant extracts, Oral flora.

OP6. Development of Biofilter using *Pseudomonas* biofilm for waste water treatment

M. Harshavardhan and J.Sarada*

Department of Microbiology

Bhavan's Vivekananda College of sciences, Humanities and Commerce,

Sainikpuri, Secunderabad-94, Telangana State, India.

Corresponding author – saradavenkatj@rediffmail.com

Biofilm is consortium of microorganisms encased in a complex extracellular gelatinous matrix secreted by the inhabiting organisms. Establishment, maintenance and existence of biofilm communities are highly complex and organized processes. Biofilm provides protection against harsh environment and increases the survival rate of the microbial community. Bacterial biofilms are of utmost interest because of their significant increase in resistance. Formation of biofilm has always been seen as the negative attribute of bacteria. Recently, researchers are exploring to use this property of bacteria for the benefit. Currently Biofiltration technology is exploring the bacterial biofilms in treating waste waters of Industrial effluents, polluted water, sludge water for capturing harmful chemicals from surface run off and for microbial oxidative degradation.

Present work focuses on developing Biofilter based on *Pseudomonas aeruginosa* biofilms in a column. Initially experiments for optimal growth conditions to establish biofilm were carried out. Biofilm formation was studied by using Tube assay, Slide Assay, Microtitre Assays. Formation of biofilms was also monitored by investigating two parameters like Swarming and EPS production which are known to influence the structure of biofilms. Pilot scale Biofilter is been developed as column mode to treat various polluted water sources.

Key words: Biofilm, *Pseudomonas aeruginosa*, Biofilter, waste water treatment

OP7. STUDIES ON AZO DYE DEGRADATION USING GREEN SYNTHESIZED NANOPARTICLES

Shivani.P and P.NagaPadma

Department of Microbiology

Bhavan's Vivekananda College of sciences, Humanities and Commerce,

Sainikpuri, Secunderabad-94, Telangana State, India.

Release of textile Azodyes from industries is an health issue of concern as they are carcinogenic. Azodyes mostly as recalcitrant molecules are polluting the environment, and so biodegradation of azodyes is necessity. Green synthesized nanoparticles can be used to biodegrade different azodyes. Nanoparticles are particles between 1 and 100 nanometers (nm) in size with a surrounding interfacial layer. The present study is concentrated on biodegradation of azodyes using nanoparticles synthesized from the leaves of 7 different plants like *Camellia sinensis*, *Mentha*, *Ocimum tenuiflorum*, *Aloe Vera*, *Amaranthus*, *Punicagranatum* and *Piper betle*. In the present study, Cu and Ag NP's were synthesized using different aqueous solutions like AgNO_3 and CuSO_4 respectively. Synthesis of nanoparticles was studied at various time intervals like 24hrs, 48hrs, 72hrs. The Azodyes were studied for decolourization or degradation at varying time intervals. Various azodyes studied include congo red, tryphan blue, methyl red and malachite green at different concentrations ranging from 0.2 mg/ml - 1.0 mg/ml. The use of AgNP's and CuNP's synthesized from leaf extracts of *Mentha*, *Camellia sinensis*, *Piper betle*, *Punicagranatum* and also AgNP's produced by *Aloe vera* and *Ocimum tenuiflorum* has shown degradation of methyl red and malachite green respectively. Whereas AgNP's produced by *Amaranthus* has shown degradation of congo red, malachite green and methyl red. However, tryphan blue could not be degraded by any of the nanoparticles. Comparatively the degradation of azodye methyl red was found to be highest by AgNP's produced by *Camellia sinensis* which varied with time and was 100% by 72 hours. The degradation of azodye malachite green was found to be highest by CuNP's produced by *Camellia sinensis* which varied with time and was 100% by 72hours. The degradation of azodye congo red was shown only CuNP's produced by *Amaranthus* which varied with time and was 91% by 72hours. Increased concentration of nanoparticles enhanced the azodye degradation resulting in decolourization within 48 hours. Thus the green synthesized nanoparticles can be used for efficient degradation of different azo dyes giving scope for development of treatment technologies of industrial dye waste waters.

Key words: Silver nanoparticles, Copper nanoparticles, Azodyes and Decolourization

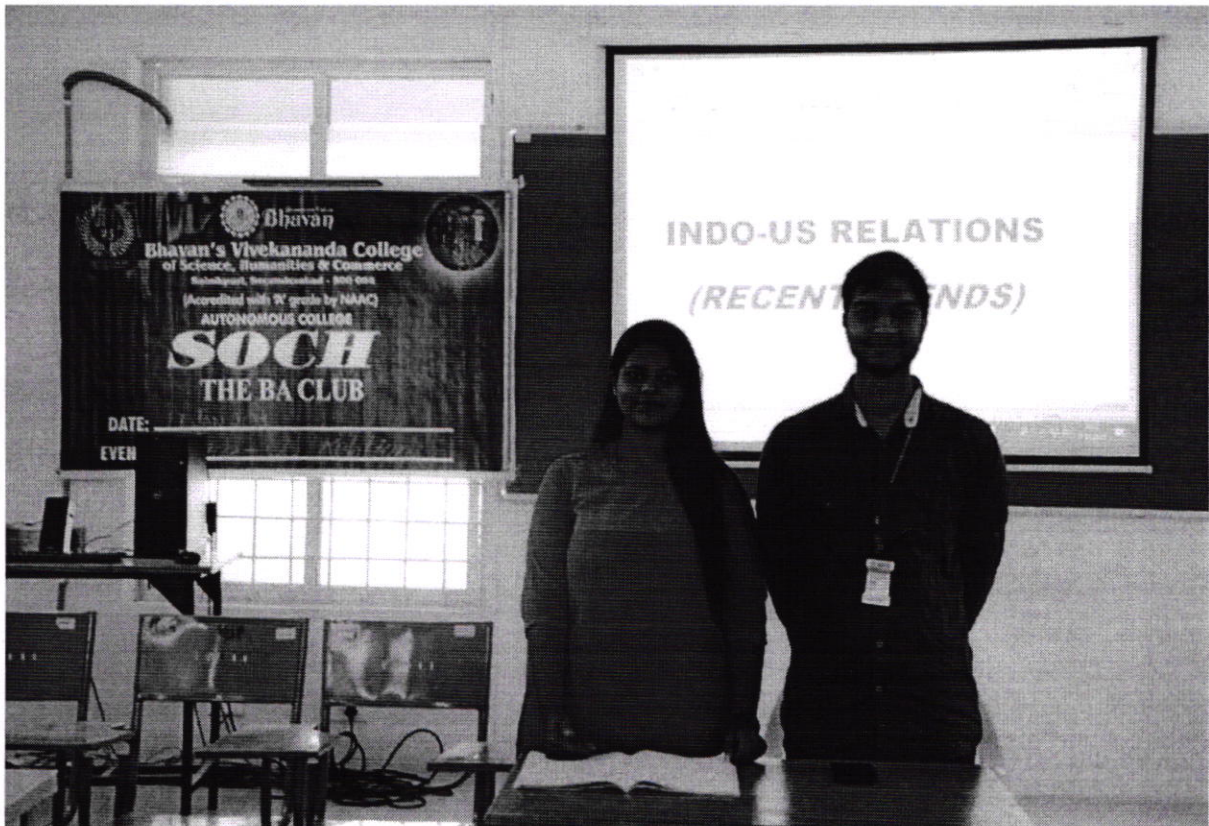
BA III Political Science

Seminar Presentation

17 January 2019

Seminar for students provides scope to assemble to introduce a particular topic. It helps to understand the topic its significance and features. Students try to analyse critically the given topic. It enhances the communication skill and networking of the students. The teacher guides the students to explore new areas relevant to the topic and students are encouraged to learn new things.

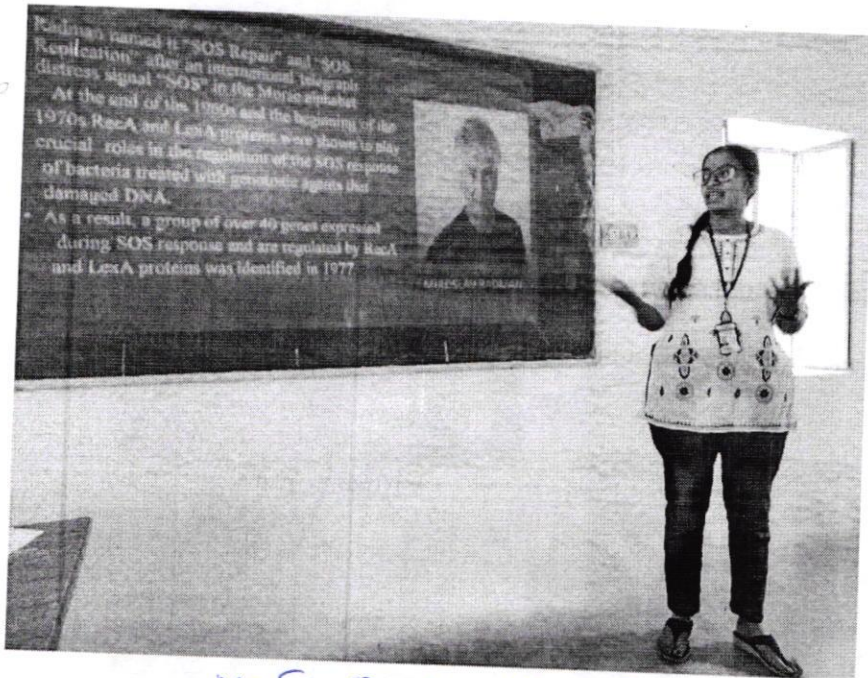
A seminar was organised on 17th January 2019 by the Bachelor of Arts senior students (BA III) on the topic "INDO-US Relations- Recent Trends" relating to their course India's Foreign Policy to orient students towards the development and new dimensions in the Indo-US relations. Students namely Mr. Rajanikant Rai and Ms. Ch. Vyshnavi presented their papers on the subject. This was followed by a question and answer.



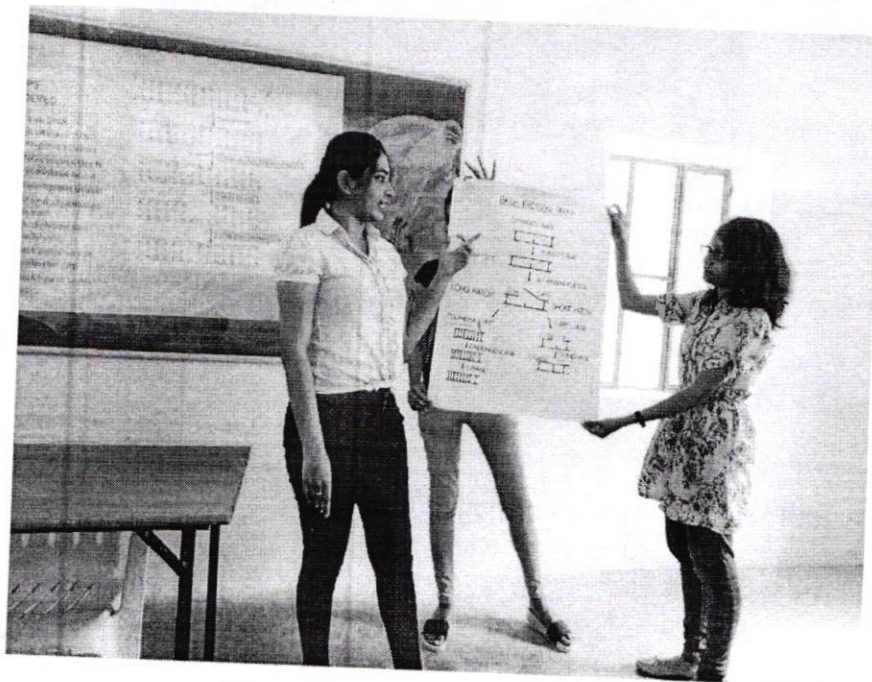


Student Centric methods used by Dr. Jyothi Nayar, Dept. Of Genetics & Biotechnology, 2019-'20

Student seminars: Sem 4, Paper- Molecular Genetics



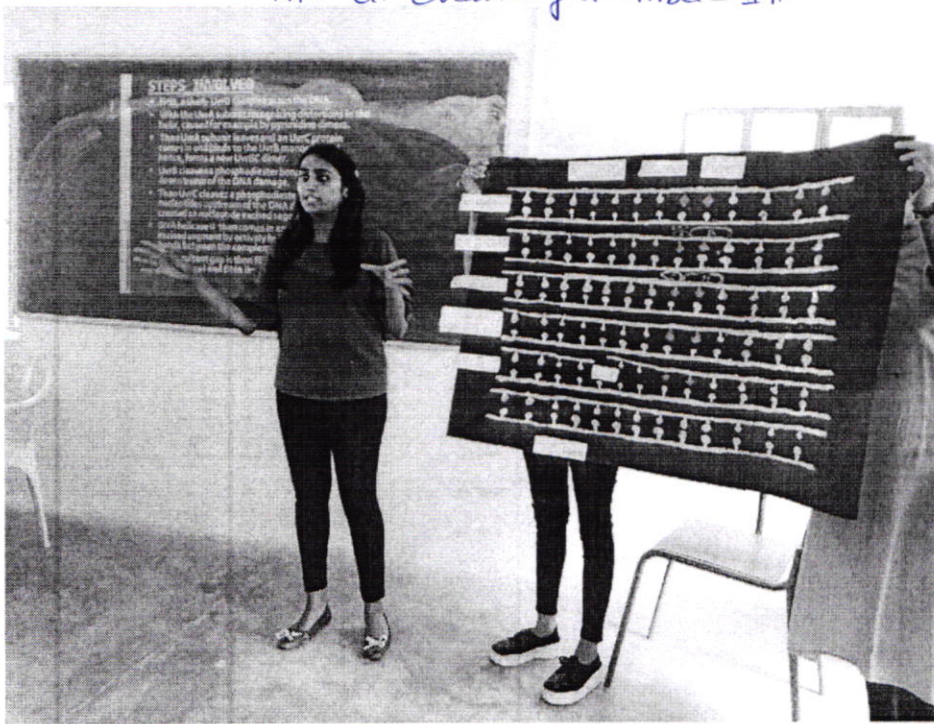
Ms. J. Swathi, MbGC-IIA



Ms. Eipha Chakraborty, MbGC-IIA

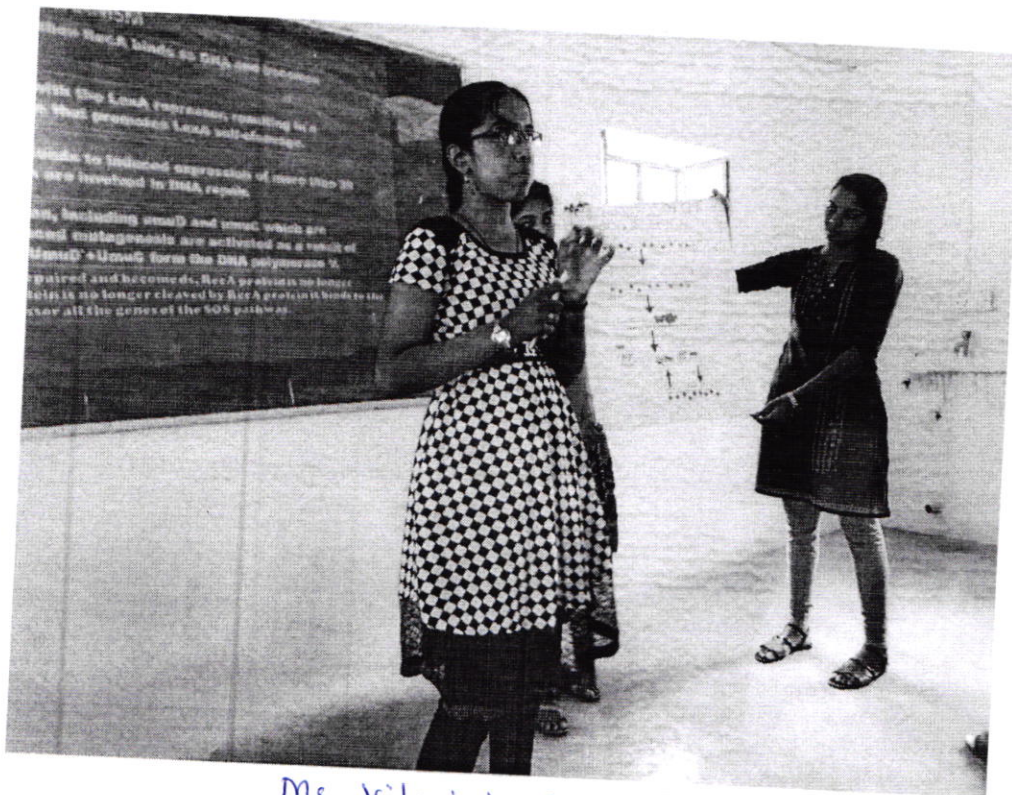


Mr. G. Chaitanya. - MbGC II A



Ms. Tanya - MbGC II A

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Ms. Vilasini .- MBGC- II A

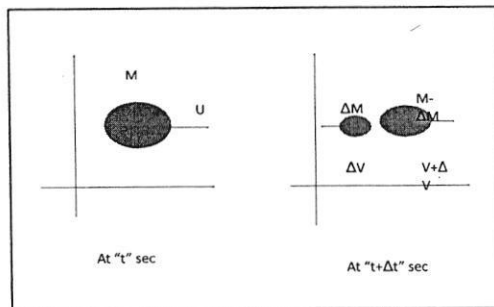
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SYSTEM OF VARIABLE MASS

MOTION OF A ROCKET

- Generally we consider Isolated systems in which the total mass M remains constant. But sometimes the mass of the system may be changing with time. Either the mass may enter into the system or may leave the system. Such systems are known as Variable mass systems.
- Example: Motion of a Rocket.

- Consider one of such system of mass M , whose centre of mass is moving with velocity v from a reference frame at any instant t . At $t+\Delta t$ sec, a mass ΔM has been ejected and its centre of mass is moving with a velocity u . Now system mass is reduced to $M-\Delta M$ and velocity is changed to $v+\Delta v$. This represents a motion like of a rocket.



- To solve this, apply Newton's Second Law to the combination of two masses as a whole system. We cannot apply Newton's Law to either mass $M-\Delta M$ or to ΔM separately.

- According to Newton's Law, $F_{\text{ext}} = \frac{dP}{dt}$
- For small intervals of time, $F_{\text{ext}} = \frac{\Delta P}{\Delta t}$
- As we are considering both the masses as one system, $F_{\text{ext}} = \frac{\Delta P}{\Delta t}$

$$\Delta[(M-\Delta M)(v+\Delta v) + \Delta M u] - [Mv]$$

$$= M \frac{\Delta v}{\Delta t} - v \frac{\Delta M}{\Delta t} - \Delta v \frac{\Delta M}{\Delta t} + u \frac{\Delta M}{\Delta t}$$

- If $\Delta t \rightarrow 0$, then $\frac{\Delta v}{\Delta t} = \frac{dv}{dt}$, $\frac{\Delta M}{\Delta t} = -\frac{dM}{dt}$
- Since there is a decrease in mass with time and $\Delta v=0$ as Δt approaches zero. On substituting all these in the above equ,
- $F_{\text{ext}} = M \frac{dv}{dt} - v \frac{dM}{dt}$
- This represents Newton's Second Law applied to a body of variable mass. It is clear from the above equ that $\frac{d}{dt}[Mv]$ is not equal to the external force acting on the system unless the ejected mass comes out with zero velocity.

Santosh

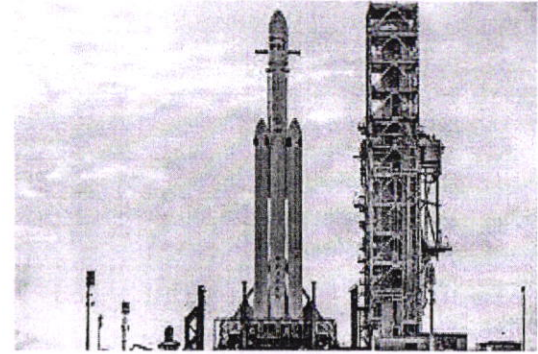
Bosmit
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhawan's Vivekananda College
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- $F_{ext} = M \frac{dv}{dt} + v \frac{dm}{dt} - u \frac{dm}{dt}$
- This can also be expressed as

$$M \frac{dv}{dt} = F_{ext} + (u-v) \frac{dm}{dt}$$
- $(u-v)$ represents the rate of change of momentum of the system due to mass leaving it. This is termed as reaction force exerted on the system by leaving mass. For rocket, this term is called the thrust.
- $M = F_{ext} + F_{reaction}$

Motion of a rocket

- The rocket is an example of system of variable mass. It consists of a fuel chamber where the fuel is stored.
- When the fuel is burnt, the pressure inside the chamber rises very high. Due to this high pressure, the hot gases are expelled from the tail of the rocket.
- These expelled gases are in the form of a jet with very high exhaust velocity. These gases exert a force on rocket so that rocket moves in a direction opposite to the direction of escape gases.
- The motion of rocket can be explained on the basis of Newton's third law and the momentum principle



- Let M be the mass of rocket including fuel and V its velocity at any instant. After the time interval dt , an amount of mass dM is ejected from the rocket in the form of gas jet. Let $-u$ is the velocity of gas jet wrt rocket.
- Then the velocity of gas jet or the relative velocity of gas jet $V_{rel} = v - u$
- The rate of change of momentum of jet issuing out of the rocket is the force acting on the jet
- = rate of change of mass of rocket due to escape of hot gases \times velocity.
- $\frac{dM}{dt} \times (v - u)$

- According to Newton's third law, this force acting on the jet is equal to the thrust on the rocket.
- Thrust acting on the rocket to move it forward = $X(v - u)$
- According to Newton's second law, the force on rocket = $\frac{d}{dt}(MV)$
- Force acting on the rocket in the forward direction = $\frac{dM}{dt}(v - u) - Mg$
- Here $F_{ext} = Mg$ (the weight of rocket)

- From the above two equations, $\frac{d}{dt}(MV) = X(v - u) - Mg$
- $M + v = v - u - Mg$
- $= -u \frac{1}{M} - g$
- $dv = -u \frac{dM}{M} - g dt$
- On integrating the above equation
- $(t=0)[\text{velocity } v \text{ and mass } M] \text{ we get}$

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$$\int_{v_0}^v dv = -u \int_{M_0}^M \frac{dM}{M} - g \int_0^t dt$$

$$[v]_{v_0}^v = -u [\log_e M]_{M_0}^M - g[t - 0]$$

$$v - v_0 = -u \log_e \frac{M}{M_0} - gt$$

$$v = v_0 + u \log_e \left(\frac{M_0}{M} \right) - gt$$

Special cases :

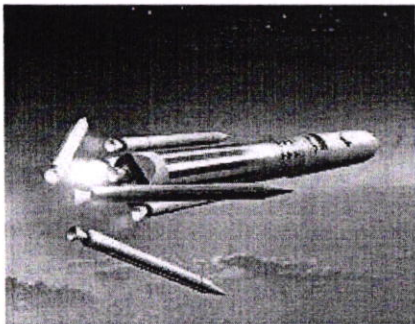
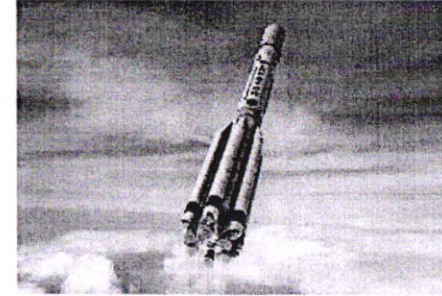
(a) if the force of gravity is ignored, then

$$v = v_0 + u \log_e \left(\frac{M_0}{M} \right)$$

(b) further, if the initial velocity v of the rocket is zero

$$v = u \log_e \left(\frac{M_0}{M} \right)$$

- $V = V_0 + u \log_e(M_0/M) - gt$
- This represents the velocity of rocket at any instant of time t sec
- If initial velocity is neglected, $V_0 = 0$ then
- $V = u \log_e (M_0/M) - gt$
- By neglecting Gravity, $V = u \log_e (M_0/M)$
- Here u is the velocity with which ejected mass or gas jet coming out of rocket.



THANK YOU

Santosh

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APPLE IHRM PRACTICES

BY-

JERUSHA-22

VANISHA-2

APARAJITHA-16

CHANDANA-11

NIKITHA-55

MAHENDER-28

2019-20

MBA

INTRODUCTION:

Apple Inc. is an American multinational technology company headquartered in Cupertino, California, that designs, develops, and sells consumer electronics, computer software, and online services.

The company's hardware products include the iPhone smartphone, the iPad tablet computer, the Mac personal computer, the iPod portable media player, the Apple Watch smartwatch, the Apple TV digital media player, the AirPods wireless earbuds and the HomePod smart speaker. Apple's software includes the macOS, iOS, iPadOS, watchOS, and tvOS operating systems, the iTunes media player, the Safari web browser, the Shazam acoustic fingerprint utility, and the iLife and iWork creativity and productivity suites, as well as professional applications like Final Cut Pro, Logic Pro, and Xcode. Its online services include the iTunes Store, the iOS App Store, Mac App Store, Apple Music, Apple TV+, iMessage, and iCloud. Other services include Apple Store, Genius Bar, AppleCare, Apple Pay, Apple Pay Cash, and Apple Card.

Apple was founded by Steve Jobs, Steve Wozniak, and Ronald Wayne in April 1976 to develop and sell Wozniak's Apple I personal computer, though Wayne sold his share back within 12 days. It was incorporated as **Apple Computer, Inc.**, in January 1977, and sales of its computers, including the Apple II, grew quickly. Within a few years, Jobs and Wozniak had hired a staff of computer designers and had a production line. Apple went public in 1980 to instant financial success. Over the next few years, Apple shipped new computers featuring innovative graphical user interfaces, such as the original Macintosh in 1984, and Apple's marketing advertisements for its products received widespread critical acclaim. However, the high price of its products and limited application library caused problems, as did power struggles between executives. In 1985, Wozniak departed Apple amicably and remained an honorary employee, while Jobs and others resigned to found NeXT.

International Human Resource Management: Apple Inc.

In the recent past, there has been an increase in the number of multinational corporations operating in the world. Such companies are heavily investing in the global market. A number of factors have influenced the growth of these organizations. They include dynamics of international trade, amalgamation of the financial markets, and human migration. Other factors include speedy movement of capital as a result of globalization. All these factors have facilitated trade on the international arena.

Human resource management entails the activities carried out by organizations to effectively utilize their human resource. Consequently, effective human resource management at the global level is a major determinant of success in international trade.

Human resource development at the international level has largely focused on the formulation of effective and highly skilled workforce. By doing this, individual employees and the organization at large can realize their ultimate goals of serving customers.

Apple Inc. is a competitive global company in the communications and electronics industry. It is a leading designer, manufacturer, and marketer of communications and media devices. It is also involved in the manufacture and distribution of digital music players and portable computers. The company has operations in different parts of the world. It has an elaborate international human resource management system.

The current study addresses the element of international human resource management with regards to Apple Inc. Various aspects related to management of personnel in this organization are reviewed. They include, among others, training of employees, deployment across the world, and return on investment. The author of this paper holds that effective management of human resource at Apple Inc. has contributed to the success of the organization.

International Human Resource Management and Apple Inc.'s Experiences

Components of Pre-Departure Training

Overview. According to Avril and Magnini (2007), pre-departure training provides expatriates with the knowledge and skills required to survive following their immediate arrival at the destined country of work. Essentially, employees going to work in another country require information on various aspects of the host nation before they leave home. Some of the things they need to know include the culture and customs of the host country. They also need to be aware of the language and dress code appropriate to the new environment. In addition, international assignees need information on business etiquette in the new country (Avril & Magnini, 2007).

Information on verbal and non-verbal communication, taboos, rules, decision-making techniques, and business management structures should be provided to international employees during pre-departure training. Culture and customs of the new country. Training on host country's customs is essential in ensuring that the expatriates adapt to the local culture. It is noted that business operations would be negatively affected if the behavior patterns of the new employees conflict with the cultural expectations in the host country.

For instance, a US citizen working for Apple Inc. may be deployed to Saudi Arabia. Such an employee should be aware of how Saudi nationals regard alcohol. In addition, female employees would be expected to conform to the societal expectations with regards to their dress code.

Language. Language is an essential component of communication in international business. Expatriates and Impatriates require more than just basic knowledge on the host country's language for effective execution of their assignments. In addition, they should be aware of non-verbal communication techniques. Such awareness would facilitate communication in foreign countries. Business etiquette in the new environment. Business etiquette may vary between countries. In some parts of the world, governments regulate business policies. For instance, such elements as tax policies, power distance, and human resource management may differ from one country to the other.

An expatriate manager at Apple Inc. would be required to understand the variation of such policies. Failure to comply with the new rules and regulations would most likely jeopardize the operations of the corporation in the host market.

Business management structures and decision-making techniques. Different countries adopt different approaches in relation to business structures and decision-making techniques. For instance, decision making in high-power distance cultures differs with that in low-power distance communities.

Rationale for Utilizing the Pre-Departure Training Components

Managers are expected to effectively handle employees from different cultural backgrounds. The ability of such managers as far as the employees are concerned affects the profitability of the company. People from different countries express their nationality and dress codes differently. The approach used by international assignees when dealing with certain problems may also differ. Such issues as the need to interpret actions and comments, predict behaviors, and resolve conflicts may arise. As a result, focusing on the various components of pre-departure training would harmonize Apple's operations with the reality in the host country.

Performance Assessment among Expatriates

Introducing assessment. Assessing the performance of expatriates is a major element in international human resource management. The performance can be reviewed using a number of criteria. Such criteria include determining strategy implementation and attainment of competitive advantage.

According to Caligiuri (1997), there are three criteria commonly used in evaluating expatriates. They include completion of foreign assignments, performance on the foreign assignment, and cross-cultural adjustment. The criteria apply to all employees irrespective of the operations of a particular organization. Completion of foreign assignments. It is an important behavioral measurement. It is used in reviewing the results of tasks assigned to foreign employees. Success under this criterion is determined by the ability of the employee to complete their assignment without seeking for transfer to another country.

Premature termination translates to failure in relation to the performance of the expatriate. In most cases, premature termination occurs when the expatriate requests for transfer to home country before completion of the assignment. The assignee may also be requested to return home before they have completed their work. Cross-cultural adjustment. Adjustment to foreign culture also determines the success of the assignee. Inability to adjust to the host country means failure in the assignment. Successful adjustment indicates that the employee is psychologically comfortable working and living in the new country.

Performance on the foreign assignment. Multinational corporations expect their employees to adjust culturally and remain in their foreign posts. In addition, the expatriates are expected to successfully execute their assignments. According to Caligiuri (1997), a large number of maladjusted foreign employees fail to achieve the envisaged outcomes in their work. There are various measures of performance with regards to foreign assignments. They include establishing working relationships with the locals. Others include transfer of information and the language and cultural proficiency of the foreign employee. The measures are in relation to the benefits of expatriates to the multinational corporation.

Recruitment and Selection Strategy for Apple Inc.'s International Assignments

According to Suutari and Brewster (2000), international assignments entail three discrete phases. The first is the pre-assignment stage. It involves the selection and preparation of employees for deployment.

The second is the 'actual' assignment. It involves the 'actual' stay of the expatriate in the new country. The last is the post-assignment stage. It is also commonly known as repatriation. Recruitment and selection of expatriates is a multifaceted process. It takes into account both personal characteristics and interpersonal skills. Caligiuri (1997) postulates that most international organizations use knowledge of company systems and technical competencies in the selection process.

The strategy is the most suitable recruitment and selection criteria for Apple Inc. It is noted that measuring relevant cross-cultural and interpersonal abilities is a difficult task for many organizations. In addition, most expatriate postings rely on personal recommendations. Such recommendations are derived from either line managers or specialist personnel (Suutari & Brewster, 2000). As such, Apple should rely on the proposed recruitment and selection policy. The strategy would reduce chances of failure in the assigned job.

Staffing Alternatives for Foreign Operations

There are several approaches used in resolving the issue of human resource in relation to international assignments. The strategies include ethnocentric and polycentric staffing approaches. Others are regiocentric and geocentric staffing strategies (Dowling, Welch & Schuler, 2004).

The ethnocentric approach involves filling all the key positions in the organization with local experts. The polycentric approach, on the other hand, proposes the use of host country's nationals in managing subsidiaries. However, in this approach, key positions in the corporation's headquarters are held by nationals of the parent country (Dowling et al., 2004). The regiocentric approach is a mixed staffing strategy. Here, executives are transferred between regions. Operations of the company are divided according to geographical regions.

Apple should adopt the geocentric policy to address its staffing needs. The approach disregards the nationality and location of the candidate. It is appropriate for Apple Inc. since the corporation has a vast international experience and a global structure that is well developed.

Conclusion

International human resource management differs with domestic management of employees in several ways. Managing employees at the international level is characterized by different labor markets, varying management practices, and dynamic labor laws. Economic and other cultural barriers make international management of human resource a complex affair.


Managing international employees may differ from one organization to the other. However, according to this author, the underlying principles are similar in all organizations. As a result, effective management of assignees and their related assignments is a major determinant of the success of these international ventures.

**Bhavan's Vivekananda College
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(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University**

**Report on National Seminar “Eco-friendly strategies for
Sustainable Environment”**

The faculty of Life sciences of Bhavan's Vivekananda College conducted a National Seminar on “Eco-friendly strategies for Sustainable Environment” on 28th and 29th February, 2020. The seminar was organised to celebrate National Science Day under DBT-Star College Scheme. Environmental sustainability is a fundamental requirement to avoid depletion and degradation of natural resources. Developing effective strategies for maintaining the balance in natural environment is the need of the hour.

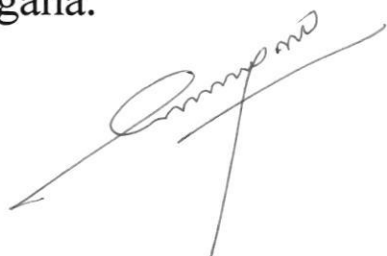
The chief guest of the seminar was Prof. K. Janardhan Reddy, Regional Coordinator of Telangana Academy of Sciences, Hyderabad Center. The Guest of Honour of the event was Prof. Purshottam Reddy (Retd), Political Science Department, OU, Eminent Environmentalist, Academician and Development Activist. The seminar was presided by Sri I.Y.R. Krishna Rao, IAS (Retd.), Former Chief Secretary, Govt. of AP, Chairman, Bharatiya Vidya Bhavan, Sainikpuri Kendra and Air Commodore (Retd), J.L.N. Sastry, VSM, Vice Chairman, Bharatiya Vidya Bhavan, Sainikpuri, Kendra. Welcome address was delivered by Prof Y. Ashok, Principal, BVC. Dr.

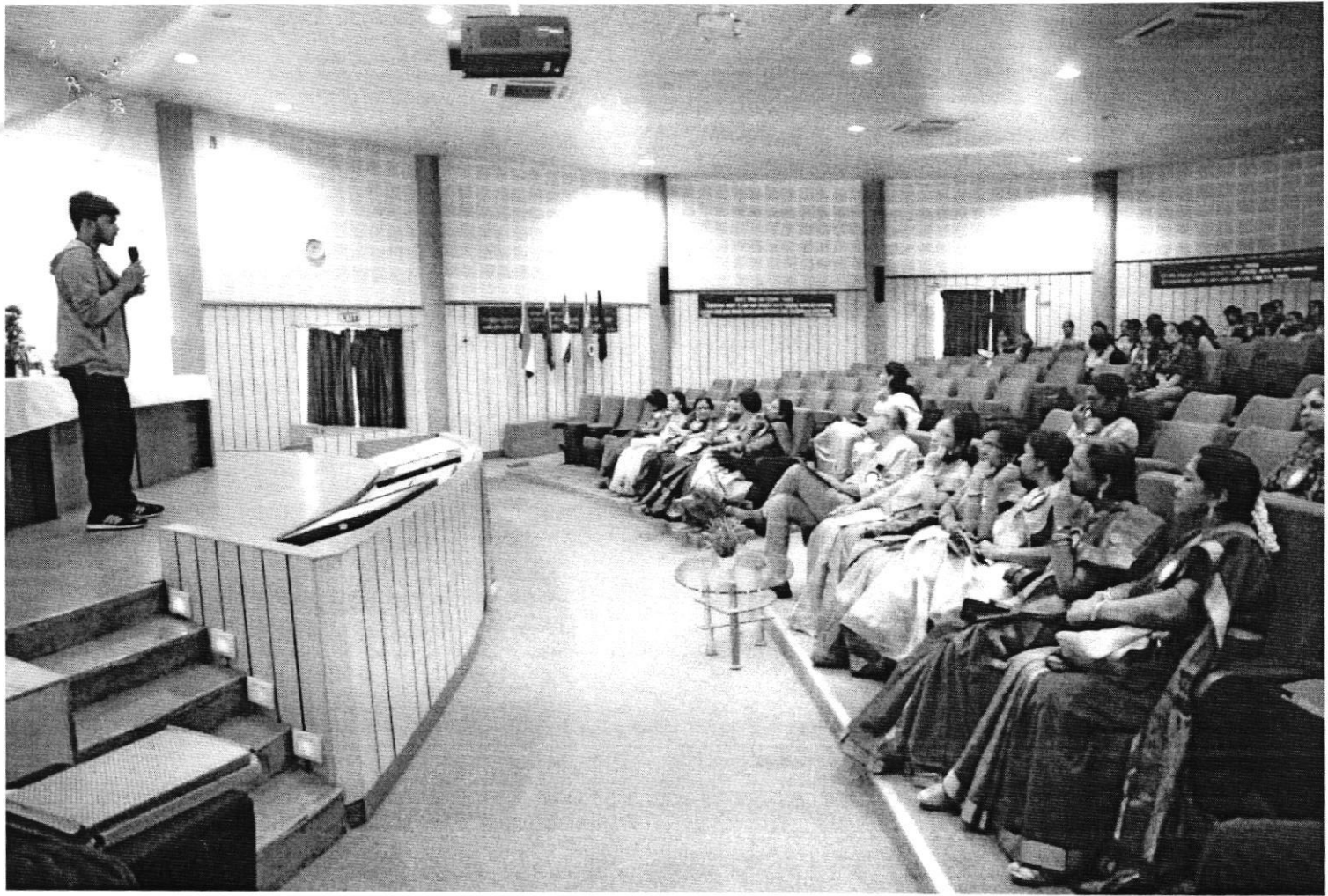


Madhumita Bhattacharjee, Convenor and Head, Department of Chemistry, BVC, presented the report of the National Seminar.

The chief guest for the valedictory was Prof. Shivaraj, Dean, Faculty of Sciences, Development & UGC affairs, OU, Hyderabad.

The two day event comprised of technical sessions by eminent scientist and oral and poster presentation by enthusiastic participants. The seminar had a huge number of participants which included students, scholars and faculty from various educational and Research Institutions within and outside Telangana.

A handwritten signature in black ink, appearing to be 'M. Bhattacharjee', written over a horizontal line.



Amey M



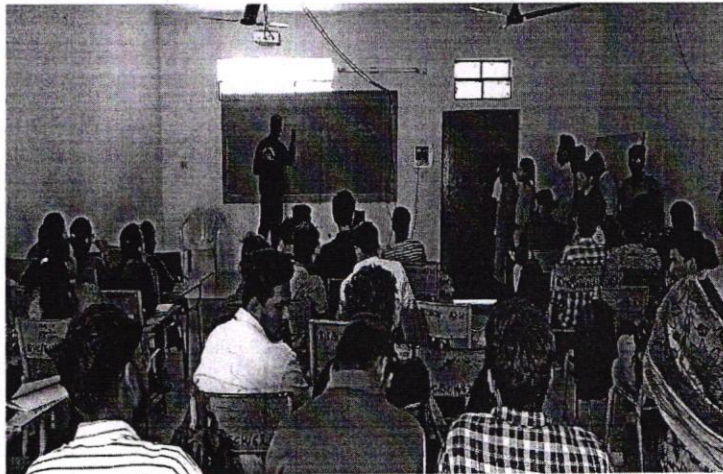
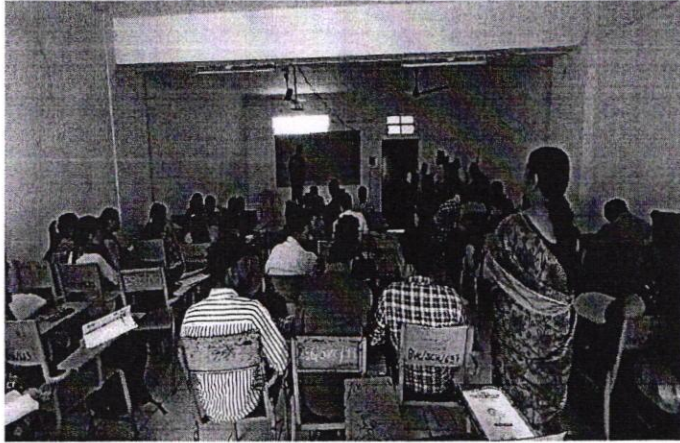
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14.. Group discussion:

The department conducts debates and group discussions on various topics of relevance and encourages the students to participate actively.

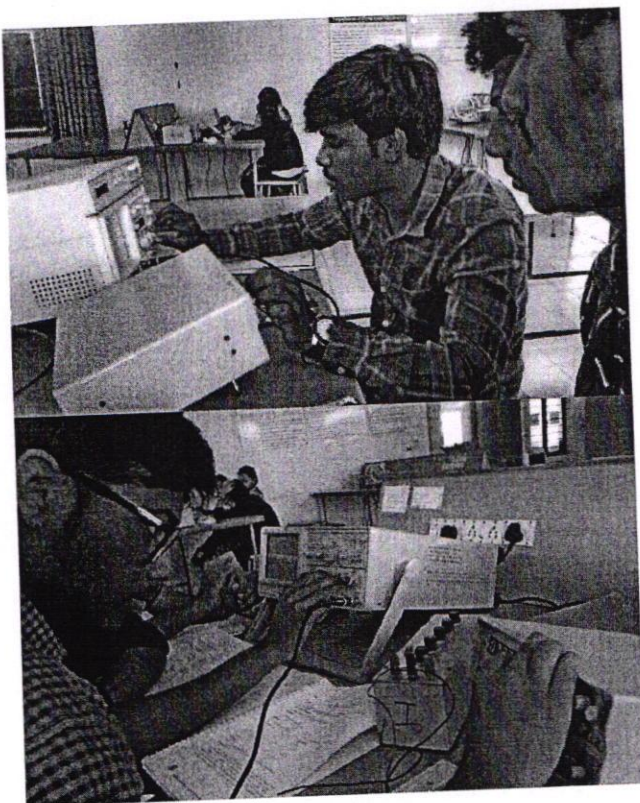


Students seminars – group activity

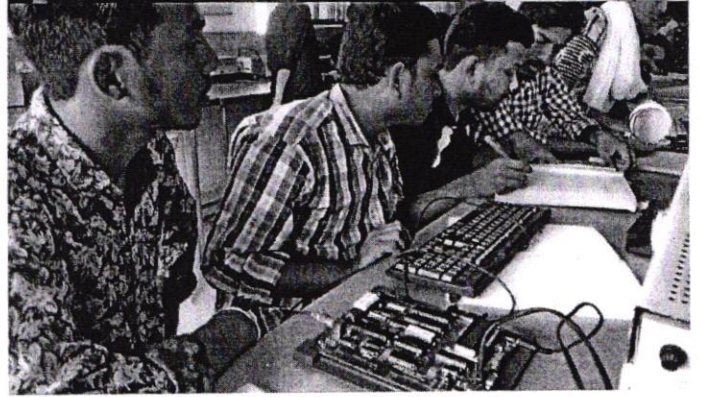
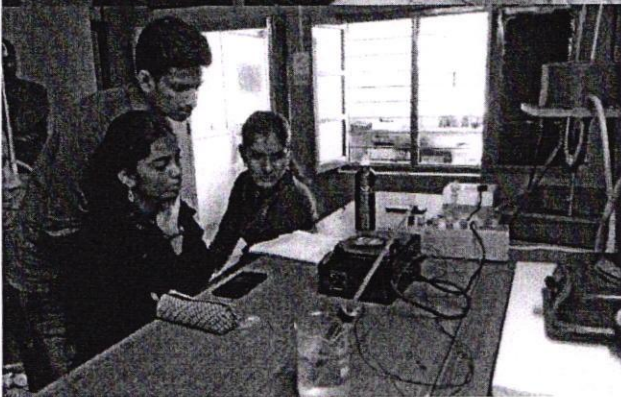
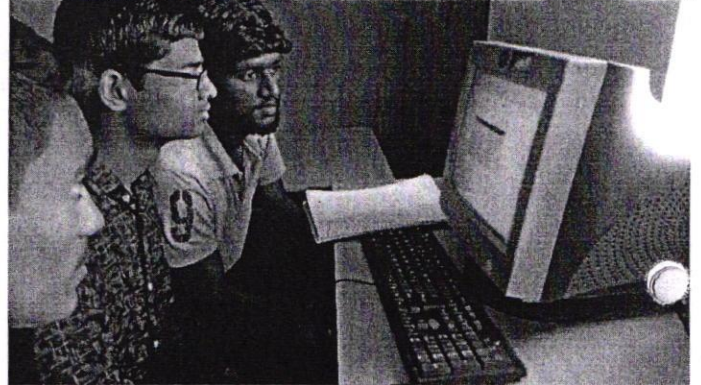
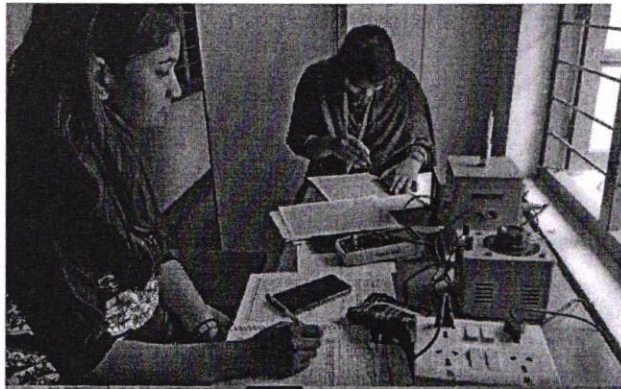


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During the lab sessions students will be divided into small groups of two to three members each, they will be allotted with a common work to be completed, students discuss with teammates / classmates before they interact with teachers.

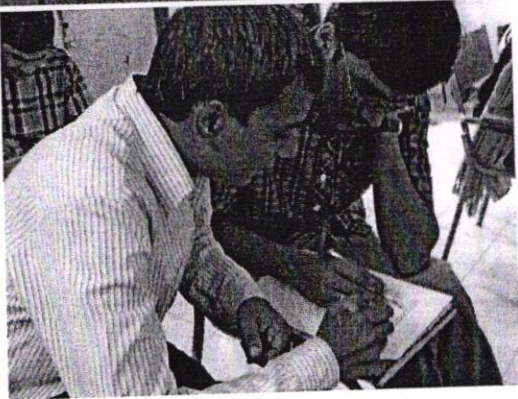
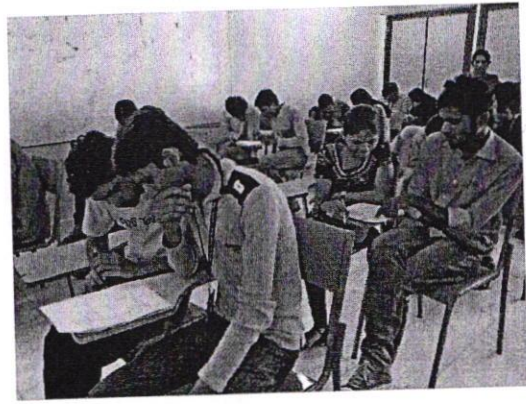
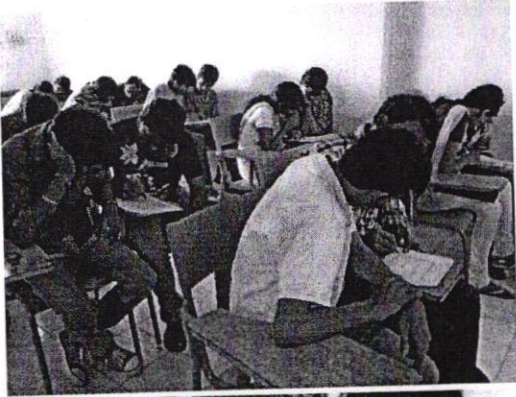


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Group Discussion / Group Activity



Pravin K
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Group Discussion / Group Activity

Date	Name	Roll. NO		Sign
13/07/18	Sai Kalyan	47416077	E-01	Kaw.
4	C Sandeep	47416081	E-02	Sandeep
	T. Aarthi	47416071	E-04	Aarthi
	Maisha	47416071	G-03	Maisha
19/7/18	K. Abhishath	47416035	E-02	Abhishath
	M. Naveen	47416042	E-04	Naveen
	K. Sagar	47416041	E-03	Sagar
	M. PURUSHOTHAM	47416046	E-01	Purushotham
20/7/18	ROMI	47416090	E-01	Romi
	Bhavana	47416094	E-02	Bhava
25/7/18	P.S.G. Prasanth	47416061	E-03	Prasanth
25/7/18	N. Vamshe	47416056	E-01	Vamshe
27/7/18	V. Vinay	47416075	E-02	Vinay
	Bhance	47416075	E-04	Bhance
	Kaenakar	47416069	E-03	Kaenakar
	Aarifan	47416084	E-01	Aarifan
28/7/18	Kapil	47416098	E-01	Kapil
28/7/18	ROMI	47416090	E-02	Romi
28/7/18	Rahul	47416097	E-02	Rahul
11/08/18	M. Ramesh	47416050	E-04	Ramesh
11/08/18	N. Vamshe	47416056	E-01	Vamshe
1/08/18	S. Reshmi	47416064	E-08	S. Reshmi
1/08/18	P.S.G. Prasanth	47416061	E-03	Prasanth
03/08/18	Sai Kalyan	47416077	E-02	Sai Kalyan
05/8/18	Kamal	47416079	E-03	Kamal
04/8/18	Saket	47416095	E-01	Saket
07/8/18	Ranjith	47416015	E-01	Ranjith
08/8/18	Kavya	47416062	E-02	Kavya
08/8/18	P.S.G. Prasanth	47416061	E-01	Prasanth
09/8/18	Ch. Sravya	47416013	12V Power Supply	Ch. Sravya
26/8/18	A. Lakshman	47416010	MPTK-01	Lakshman
01/9/18	S. Vikram	47416071	MES-3B	S. Vikram

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 Sainikpuri, Secunderabad - 500 024

DATE	NAME	ROLL-NO	Equipments	Remarks
03/07/18	A. Paragana	47416008	trainer kit E01, 7402	A. Paragana
11	A. Satish Reddy	47416003	" " E02, 11, 2	A. Satish Reddy
11	B. Shiva Kumar	47416011	" " E-04 11	B. Shiva Kumar
11	D. Aravind Reddy	47416017	" " E-03 7400	D. Aravind Reddy
11	Ch. Sravya	47416013	" " E-05 7486	Ch. Sravya
"	D. Tejasvi	47416016	" " E-05 7408	D. Tejasvi
04-7-18	M. Arun	47416049	E01 - 11 7402	M. Arun
	NIKHILA	47416053	E03 - " 7402	Nikhila
	P. Sainath Reddy	47416063	E02 - " 7400	P. Sainath Reddy
	Plakshmi Ridhana	47416060	E04 - 7408.86	Plakshmi Ridhana
	R. Reshmi Sarika	47416064	E06 - 7400,02,04,08,32,86	R. Reshmi Sarika
	Meghana	47416057	E07 - 7400,02,04,08,32,86	Meghana
04/07/18	M. PURUSHOTHAM	47416046	MPTK - 02	M. Purushotham
	K. SAGAR	47416041		K. Sagar
04/07/18	K. Abhilash	47416036	MPTK - 03	K. Abhilash
	M. Naveen	47416042		M. Naveen
4/07/18	K. Shailendra	47416040	MPTK - 01	K. Shailendra
4/07/18	K. Kalyan	47416034	MPTK - 00/05	K. Kalyan
	K. Vamshi	47416037		K. Vamshi
4/07/18	K. Abhilash	47416035	MPTK - 00/03	K. Abhilash
	K. Sai Vamshi	47416045		K. Sai Vamshi
4/9/18	Rinky	47416044	MPTI	Rinky

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 Department of Physics & Electronics
 Bharatiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

Astable Multivibrator

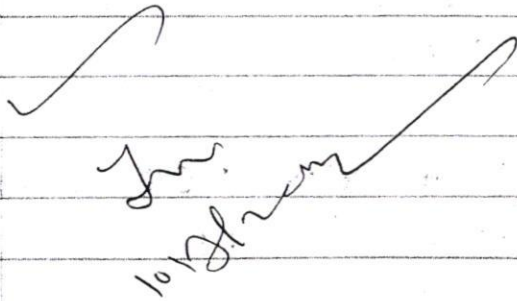
T. Neeraj Kumar 083

A. Nagarjuna Rao 081

Components: DC power supply, resistors, capacitors, CRO, transistors, breadboard, wires, multimeters.

Result :-

Astable Multivibrator has been constructed and frequency have been studied



16/7/2019

Exp - Voltage Regulator

S. PRANAY

SHRUTHI

H. NITESH

Components:- IC 7805, IC 7905, ammeter, Voltmeter, breadboard, wires, variable load resistor

Result:- ~~Regulator~~ ~~output~~

Voltage regulator IC 7805, 7905 have been constructed, and load & line regulation.

Exp - DC Power Supply

Rohit - 090

Rishi - 088

Components:- transformer, diodes, capacitor, Resistor as load, CRO, DC voltmeter, multimeter, breadboard, wires etc.

Result:- R for $\alpha = 0.04$ R for $Z = 0.051$ R for $\text{resistor} = 0.251$
 $\text{with multimeter} = 1.08$

Bosonic
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 Department of Physics & Electronics
 Bharatiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

10/7/18

Voltage Regulator

Bharatwaji - 072

Aman - 070

Components: Variable Unregulated Power Supply, IC 7805, IC 7905, ammeter, Voltmeter, Variable load resistance (DRB), breadboard, wires.

Result: Voltage Regulated Circuits using IC 7805 & IC 7905 have been constructed & load & line regulation characteristics have been studied.

[Handwritten signature]
10/7/18

Voltage Regulator

Components required:

Variable Unregulated Power Supply IC 7805, IC 7905, Ammeter, Voltmeter, Variable load Resistance (DRB), Bread board, wires

Deeksha (073), Manogna (080)

[Signature]
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Sainikpuri, Secunderabad - 500 094.

Result: Voltage Regulated Ckts using IC 7805 & IC 7905 have been constructed & load and line regulation characteristics have been studied.

[Handwritten signature]
10/7/18

+18

IIIrd Sem

① DC power supply

S. PRANAY RATUNAIKAR - 474096

SHRUTHI REDDY - 474098

NITESH .M - 474085

Results - Components: -

Breadboard, 2-diodes, 1-capacitor, 1-resistor, voltmeter, ~~inductor~~, wires, transformer

Result: - The ripple factor of filter is determined.

② DC power supply.

B. Sreejananth - 094.

K. YOGESH - 095

Components & Breadboard, 2-diodes, 1-capacitor, 1-resistor, voltmeter, transistor wires.

Result & The ripple factor of shunt, L section, π section filters are determined.

③ DC Power Supply

T.N. DINESH REDDY - 097

D. VEDH BHUSHAN - 100

Components: Breadboard, 2-diodes, 1-capacitor, 1-resistor, voltmeter, transformer, wires, CRO

Result: The ripple factor of shunt, L section, π section filters are determined.

④ DC power voltage regulator

Rohit - 090

Rakesh - 087

Components: Breadboard, diode, capacitor, resistance box, Ammeter, voltmeter, IC 7805

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Secunderabad - 500 094.

26/6/2018

RECTIFIERSComponents required:-

Transformer, Adiodes, 1K resistor, CRO, bread board wires.

Aman-070; Bharadwaj-072; Neeraj-082

Result → The ripple factor of HWR, FWR, & bridge rectifier Circuits are determined.

for
3/4
26/6

Rectifiers

26/6/2018

Components required:

Transformer, four diodes, 1k resistor, CRO, multimeter, bread board, wires

Manogna-080, Deeksha-078, Afsheen-069

Result: The ripple factor of HWR, FWR and bridge rectifier circuits are determined

3/4

Boonika
Head of the Department
Department of Physics & Electronics
Bharatiya Vidyapeeth, Vivekananda College
Sainikpuri, Secunderabad - 500 094.

for

26/6

Group Discussion / Group Activity

7-18	2 NAME	ROLL.NO	Equipments	Sign Mark
	M. Naveen	47416042	TK E-03	Supn.
	K. Shailendra	47416040	TK E-01	Sud
	M. PURUSHOTHAM	046	TK E04	HO
	Pinky	044	E02	Pinky
	M. Sravya	048	E07	Savya
	K. Madhav	038	E06	Madhav
	K. Abhilash	035	11	Abhilash
7.07-18	V. VINAY	075	E-02	Vinay
	S. Ramya	070	E-01	Ramya
	Bhavana	094	E-03	Bhavana
	Prasad	088	E-05	Prasad
	Karnakar	69	E-06	Ky
	Sanita S	92	E-08	Sanita
7/7/18	G. Bhuvaneshwari	47416029	E-04	Bhuvaneshwari
7/7	J. Sai Kiran	47416032	E-01	Kiran
	G. Sai Kiran	47416027	E-02	Kiran
	D. Divyapathi	47416019	E-02	Divyapathi
	D. Naveen	47416021	E-06	Naveen
	D. Praveen	47416022	E-06	Praveen
	E. Sai Ram	47416024	E-03	E. Sai Ram
	G. Bharat Reddy	47416026	E-03	Bharat
10/7/2018	D. TEJASVI	47416016	E-04	Tejasvi
"	A. Rajeshwari	47416006	E-03	Raji
	A. Pavan	47416004	E-02	Pavan
	D. Aravind Reddy	47416017	"	Aravind
11/7/18	NIKHILA	47416053	E-01	Nikhila
11/7/18	N. Sahithi	47416054	E-04	Sahithi
11/7/18	m. RAMESH	47416050	E-02	Ramesh
11/7/18	PSG. Ananth	47416061	E-03	Ananth
12/7/18	K. Madhav	38	E-03	Madhav
12/7/18	M. Sravya	48	E-03	Sravya
12/7/18	M. Naveen	42	E-04	Naveen
"	K. Kalpana	34	E-01	Kalpana

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5.7.18	NAMG	ROLL NO		5
	Meghana	47416057	MPTK02	
	P. Kavya	47416062	MPTK-03	P. Kavya
	Vamshi	47416056	MPTK-01	Vamshi
	Ridhana	47416060	MPTK-0005	Lakshmi
	P.S.G. Prasanth	47416061	MPTK-0003	Prasanth
	M. Arun Kumar	47416049	New	
9.7.18	A. Satish	47416003	MPTK-02	Satish
	Abishek	47416002	MPTK-0005	Abishek
	Ch. Sravya	47416013	MPTK-03	Sravya
	A. Ravagna	47416008	MPTK-01	Ravagna
	A. Pavan	47416004	MPTK 0003	Pavan
	D. Ramesh	47416015	MPTK - New	Ramesh
	A. Madhusudhan	47416007	MPTK - New	Madhusudhan
7/08/18	G. Sai Ram	47416024	MPTK-001	Sai Ram
8/08/18	N. Sahithi Rao	47416054	E-02	Sahithi
8/8/18	P. Sai Pranath	47416058	E-04	Pranath
8/8/18	K. Kalpana	47416054	MPTK-01	Kalpana
"	K. Vamshi	47416037		Vamshi
(F)	K. Shailendra	47416040	MPTK-03	K. Shailendra
	M.S. Vamshi	47416045	MPTK-02	Vamshi
	Ramakrishna	47416043	MPTK-00-03	Krishna
	K. Abhilash	47416035	New 01	Abhilash
13/8/18	O.L. Meghana	47416057	MPTK-02	
13	Vamshi Krishna	56	03	Vamshi
	Sahithi Rao	54	01	Sahithi
	P. Kavya	62	0005	P. Kavya
14/8/18	J. Dakshin	474160032	01	
	G. Bharat Reddy	47416026	03	
28/8/18	G. Bharat Reddy	26	MPTK-02	
28/01/18	Ch. Sravya	13	E-01	
28/08/18	P. Prilipathi Reddy	19	TK-03	
28/08/18	A.O.	10	F-01	

Date	Name	Roll. NO		Sign
11/9/18	Sandeep	1072027016081	E1	Sandeep
"	Akshay	1072027016082	E4	Akshay
11/9/18	Romi	47416090	E01	Romi
"	Quish	47416066	E02	Quish
"	Karnakar	47416069	E08	Karnakar
04/09/18	Rasagna A	47416008	E01	A. Rasagna
04/09/18	G. Bharat Reddy	26	MPTK-03	Bharat
"	D. Praveen Kumar	22	MPTK-01	Praveen
07/09/18	Y. Manishakreddy	78	E-03	Manishakreddy
07/09/18	S. Karnakar	69	E-02	S. Karnakar
07/09/18	Y. Kameel	79	E-01	Y. Kameel
10/09/18	Ch. Sranya	13	MPTK-03	Ch. Sranya
10/09/18	A. Lakshman	10	01	Lakshman
"	Abhishek	02	02	Abhishek
"	A. Madhu sudhan	07	0005	Madhu sudhan
"	A. Satish	03	0003	Satish A
11/9/18	Ch. Sranya	13	E-01	Ch. Sranya
11/9/18	G. Bharat Reddy	26	TK-03	Bharat
12/9/18	R. Reshmi Sarkar	64	E-08	R. Reshmi
12/9/18	K. Kalyan	34	TK-01	K. Kalyan
12/9/18	M. PURUSHOTHAM RAO	46	TK-03	Purush
12/9/18	K. Madhan	38	TK-02	Madhan
12/9/18	K. Sagar	41	0005	Sagar
12/09/18	M. Sranya	48	0003	Sranya
14/09/18	K. Harika	82	E-04	K. Harika
14/09/18	V. Vinay	75	E-05	Vinay
15/9/18	V. Vinay	75	PTK-01	Vinay
19/9/18	M. Purushotham	46	TK-02	Purushotham
"	NIKHILA	53	NEW	Nikhila
"	Reshmi	64	NEW	Reshmi
"	P. Sainath Reddy	63	NEW	P. Sainath Reddy

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Group(10)

Field Study.

ORGANISATIONAL PSYCHOLOGY ASSIGNMENT

2019-20

A SURVEY ON ORGANISATIONAL PSYCHOLOGY AND BEHAVIOUR OF
EMPLOYEES IN AUTOMOBILE INDUSTRIES

DONE BY

J. ANUSHA	(13)
PRAVEEN KUMAR	(46)
PRAHELIKA	(71)
MAHENDAR	(88)
VIKRANTH	(93)
VISHAL	(119)

V. Ashwin

INTRODUCTION

organizational psychology:

the study of the structure of an organization and of the ways in which the people in it interact, usually undertaken in order to improve the organization

<u>Industrial psychology</u>	<u>Organisational psychology</u>
<ul style="list-style-type: none">• Recruitment• Selection• Classification• Compensation• Performance appraisal• Training	<ul style="list-style-type: none">• Socialisation• Motivation• Occupational stress• Leadership• Group performance• Organisational development

ORGANISATIONAL SOCIALIZATION

Organizational socialization is defined as a learning and adjustment process that enables an individual to assume an organizational role that fits both organizational and individual needs. It is a dynamic process that occurs when an individual assumes a new or changing role within an organization.

Six dimensions of Organisational Socialisation:

- History
- Language
- Politics
- People
- Organisational goals and values
- Performance proficiency

Feldman's model of organisational socialization:

Anticipatory socialization

Encounter

Change and acquisition

Behavioural outcomes

Affective outcomes

Productive behaviour:

An individual capable of engaging in behaviour that contributes positively to organisational goals and objectives.

Forms of productive behaviour:

Job performance

Organisational citizenship behaviours

Innovative

Counter Productive Behaviour:

It is defined as the behaviour that explicitly runs counter to the goals of an organisation.

Types:

Ineffective job performance

Employee absentism

Employee turnover

The automotive industry began in the 1860s with hundreds of manufacturers that pioneered the horseless carriage. For many decades, the United States led the world in total automobile production. In 1929, before the Great Depression, the world had 32,028,500 automobiles in use, and the U.S. automobile industry produced over 90% of them. At that time the U.S. had one car per 4.87 persons.^[4] After World War II, the U.S. produced about 75 percent of world's auto production. In 1980, the U.S. was overtaken by Japan and then became world's leader again in 1994. In 2006, Japan narrowly passed the U.S. in production and held this rank until 2009, when China took the top spot with 13.8 million units. With 19.3 million units manufactured in 2012, China almost doubled the U.S. production, with 10.3 million units, while Japan was in third place with 9.9 million units.^[5] From 1970 (140 models) over 1998 (260 models) to 2012 (684 models), the number of automobile models in the U.S. has grown exponentially.^[6]

is a state that implies to be protected from any risk, danger, damage or cause of
in the automotive industry, safety means that users, operators or manufacturers
face any risk or danger coming from the motor vehicle or its spare parts. Safety
automobiles themselves, implies that there is no risk of damage.

in the automotive industry is particularly important and therefore highly
ed. Automobiles and other motor vehicles have to comply with a certain number
of standards and regulations, whether local or international, in order to be accepted on the
market. The standard ISO 26262, is considered as one of the best practice framework
for achieving automotive functional safety.^[7]

In case of safety issues, danger, product defect or faulty procedure during the
manufacturing of the motor vehicle, the maker can request to return either a batch
or the entire production run. This procedure is called product recall. Product recalls
occur in every industry and can be production-related or stem from the raw
materials.

Through development and operation tests and inspections at different stages of the value chain
the manufacturer can avoid these product recalls by ensuring end-user security and safety
compliance with the automotive industry requirements. However, the
automotive industry is still particularly concerned about product recalls, which
have a considerable financial consequence.

QUESTIONNAIRE

What is your name ?

In which organization are you working in ?

Does your company train you for new technologies and facilities you

do you get rewarded by your organization for the work you have done ?

do you actually follow Organization rules, regulations and policies ?

Do you change according to the organization culture ?

Were there any socializing events between employees of organization ?

Were there any socializing events between employees of organization ?

Does your organizational values, beliefs and norms influence employees in organization ?

Will organizational culture affect your level of creativity ?

do you follow particular process or system to
organizational goals ?

is your advice is being valued by your higher
managements ?

does your organizational culture helps you grow
your career ?

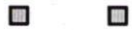
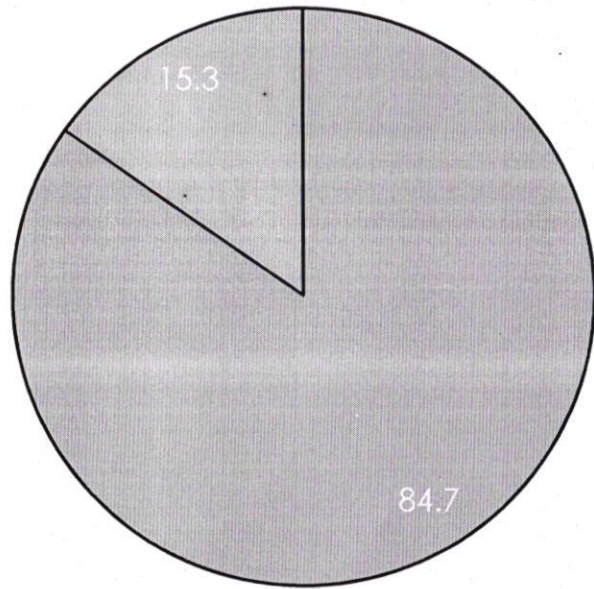
do you motivate your self for work during off-days

Do you think your salary is justified by organization ?

Does your team have the coordination with other employees in the organization during the work ?

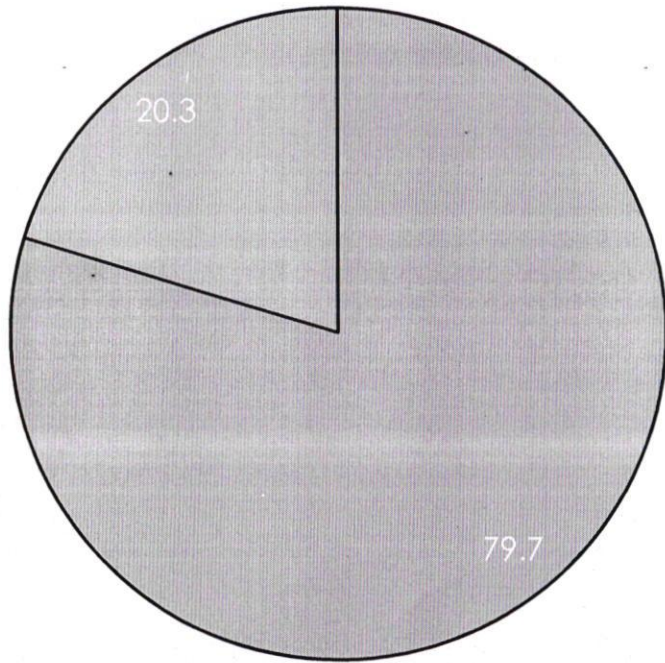
Comment on your work life culture?

3. Do your company train you for new technologies and facilitate you ?



- ▶ INTERPRETATION
- ▶ 15.3% EMPLOYEES TELLS THAT THEIR ORGANISATION DOES NOT TRAIN THEM .
- ▶ 84.7% EMPLOYEES TELLS THAT THEIR ORGANISATION PROVIDES TRAINING FOR NEW TECHNOLOGIES.

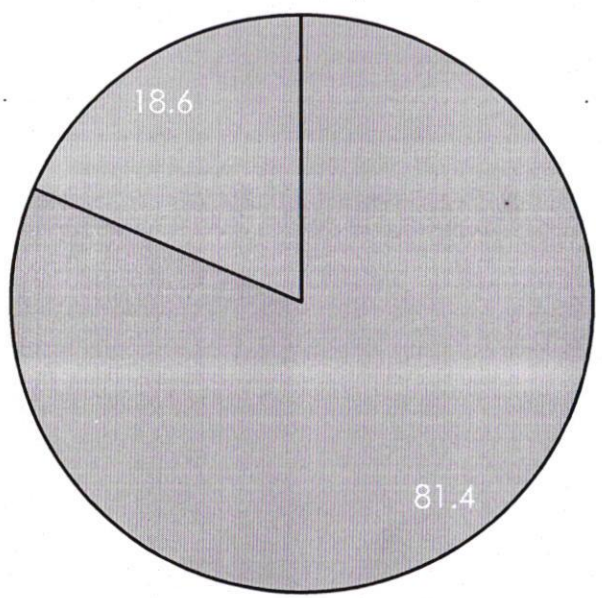
4. Do you get rewarded by your organization for the work you have done ?



- ▶ 20.3% employees does not satisfy with the rewards given by their organization.
- ▶ 79.7% employees satisfy with the rewards given by their organization.



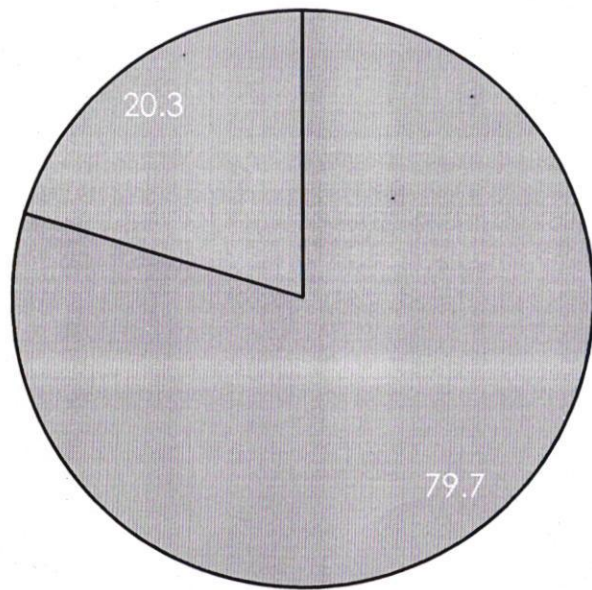
5. Do you actually follow Organization rules, regulations and policies ?



- ▶ 18.6% employees in the organization don't follow the rules regulations and policies.
- ▶ 81.4% employees in the organization like to follow their rules regulations and polices.



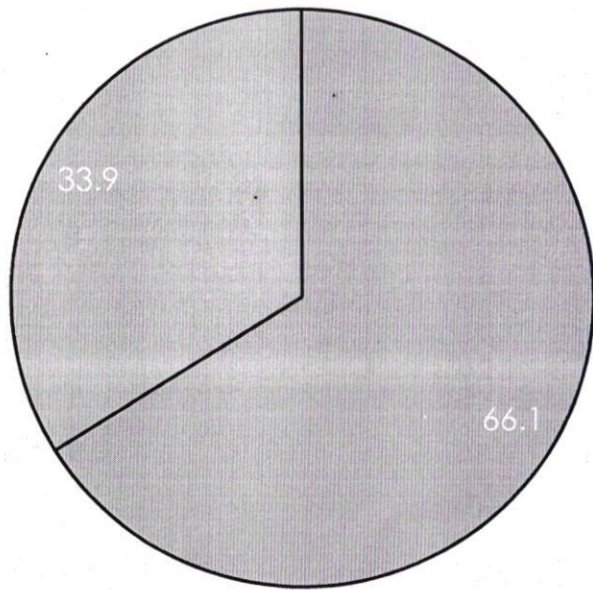
5. Can you change according to the organization culture ?



- ▶ 20.3% of employees do not change according to the organization culture.
- ▶ 79.7% of employees change according to their organization culture.

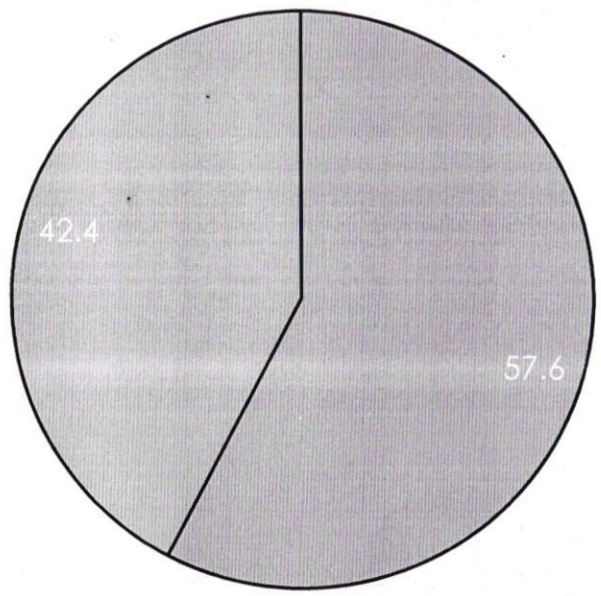


7. Is there any socializing events between employees of organization ?



- ▶ 33.9% of employees tells that there is no socialization events between the employees of organization.
- ▶ 66.1% of employees tells that there is socialization events .

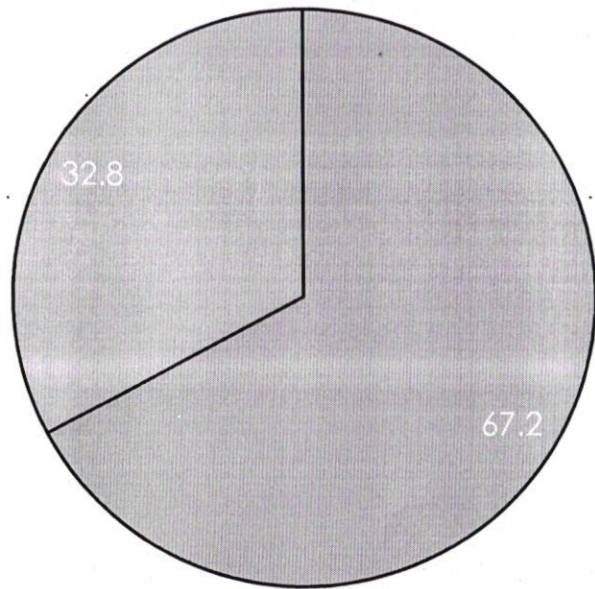
3. Do you feel stress during overtime or overload, If yes how would it effects your work ?



- ▶ 57.6% employees feels stress during overtime situations and pressures.
- ▶ 42.2% employees does not feel any stress during overtime.



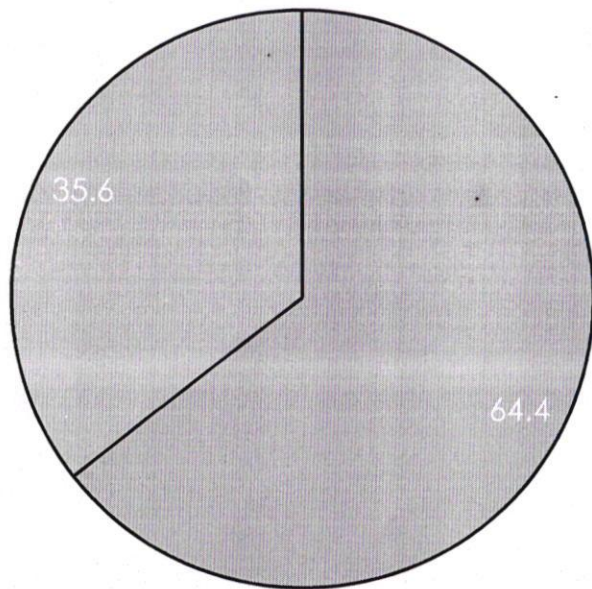
2. Does your organizational values, beliefs and norms influence employees in organization ?



- ▶ 67.2% employees tell that organization values and beliefs, norms influencing them.
- ▶ 32.8% of employees in the organization tell that does not influence them.



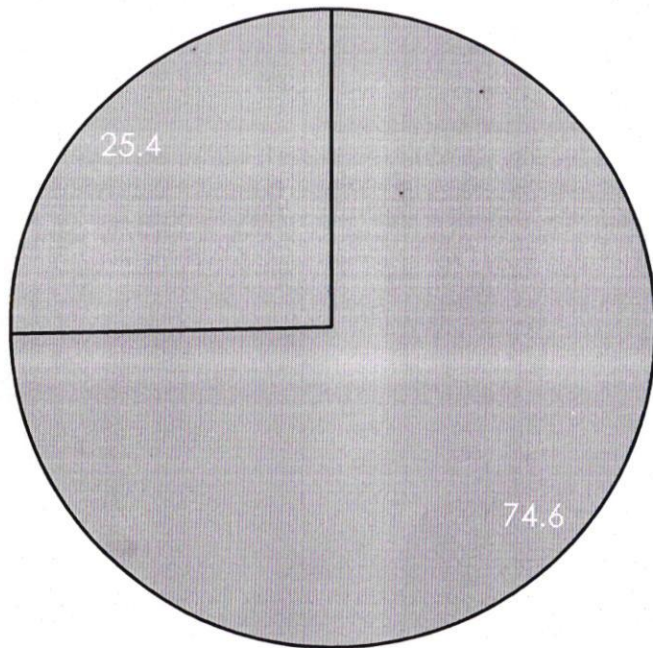
10. Will organizational culture affect your level of creativity ?



- ▶ 64.4% of employees agrees that their organization culture affect their level of creativity.
- ▶ 35.6% of employees tells that their organization culture do not affect their creativity.



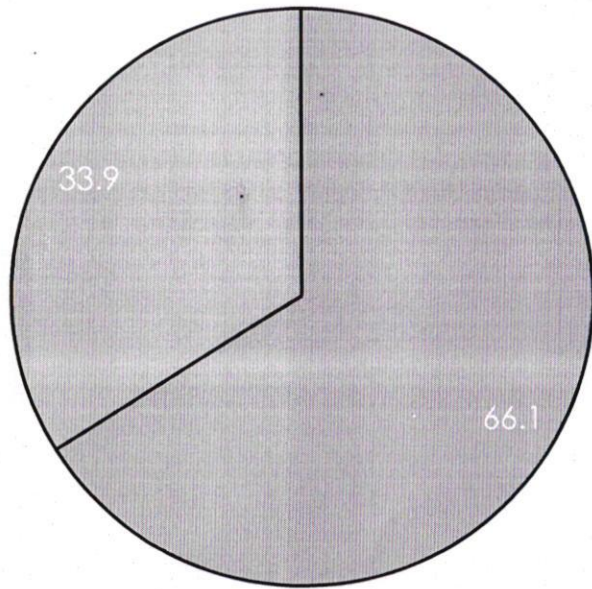
1. Do you follow particular process or system to reach organizational goals ?



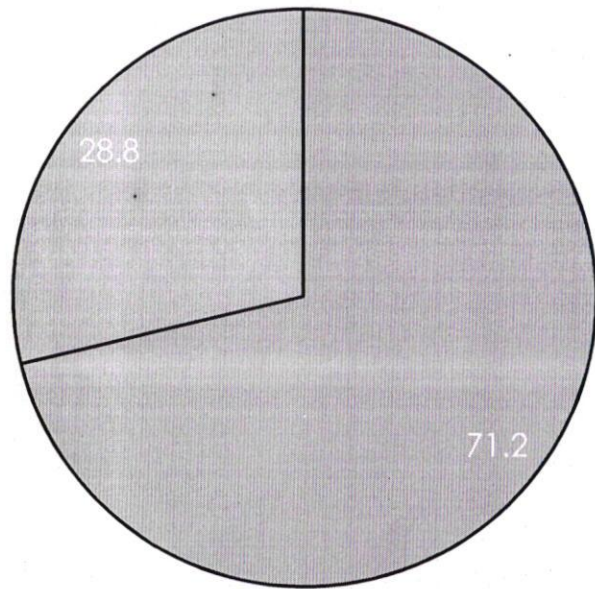
- ▶ 74.6% employees follows particular process to reach organizational goals.
- ▶ 25.4% employees do not follow any process.

2. Does your advice is being valued by your higher authorities ?

- ▶ 66.1% employees advice is valued by their higher authorities remaining 33.9% employees advices is not taken into consideration.



3. does your organizational culture helps you grow in your career ?

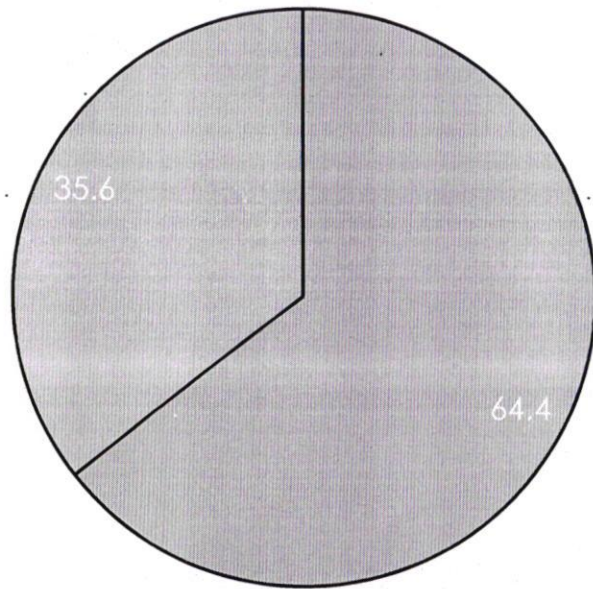


- ▶ 71.2% employees tells that their organization helps in grow in their career.28.8% employees tells that their organization do not helps in grow in their career.



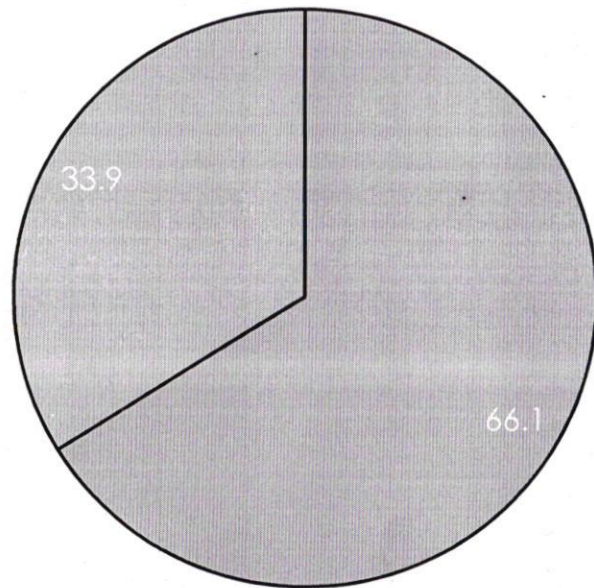
4. Do you motivate your self for work during off-days

- ▶ 64.4% employees motivate themselves to work during day off but 35.6% do not encourage themselves to work during day off.



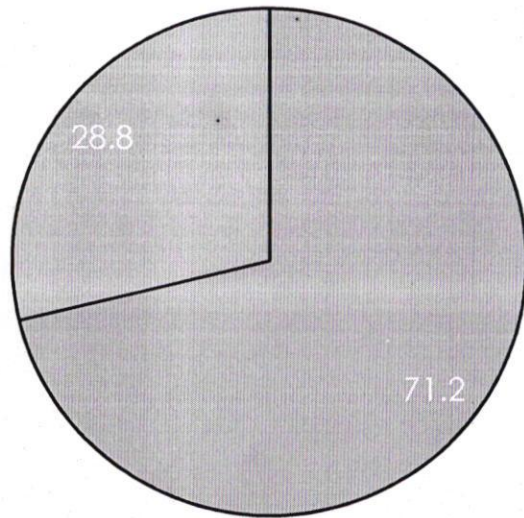
15. Do you think your salary is justified by organization ?

- ▶ 66.1% employees satisfied with their salaries only 33.9% do not satisfy with their salary.



16. Does your team has the coordination with others during work in organization ?

- ▶ 71.2% tells that their team has the good coordination with others in their organization but 28.8% employees do not have any coordination with other.



CONCLUSION

Most of the employees working in the organization are positive towards their work, other employees in the organization are satisfied with their salaries. But few of the employees are dissatisfied with their work.

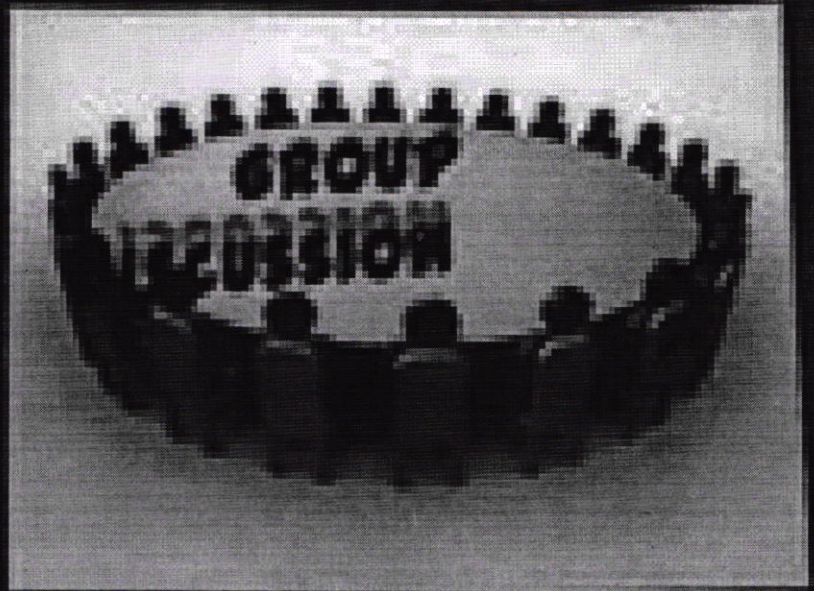
THANK YOU

2019-20

Ashwini MBA.

GROUP DISCUSSION

HELD ON
25TH
SEPTEMBER
TUESDAY



TIME: 10AM TO 11:45AM

VENUE: MBA BLOCK

ROOM NO: 302



**Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University**

**Department of Languages: ENGLISH
TLE Method: Group Discussion**

Name of the Lecturer: T R PAYOSHNI BHARADWAJ

Prescribed text book: English in Use

Lesson :5- "A visit of charity"

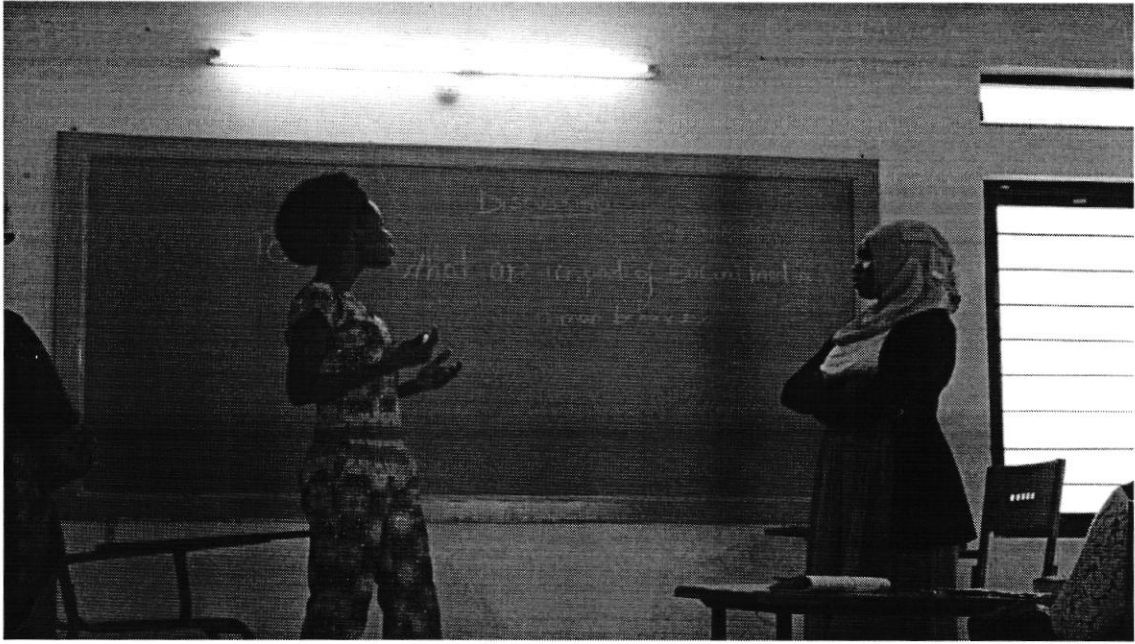
Semester: 2

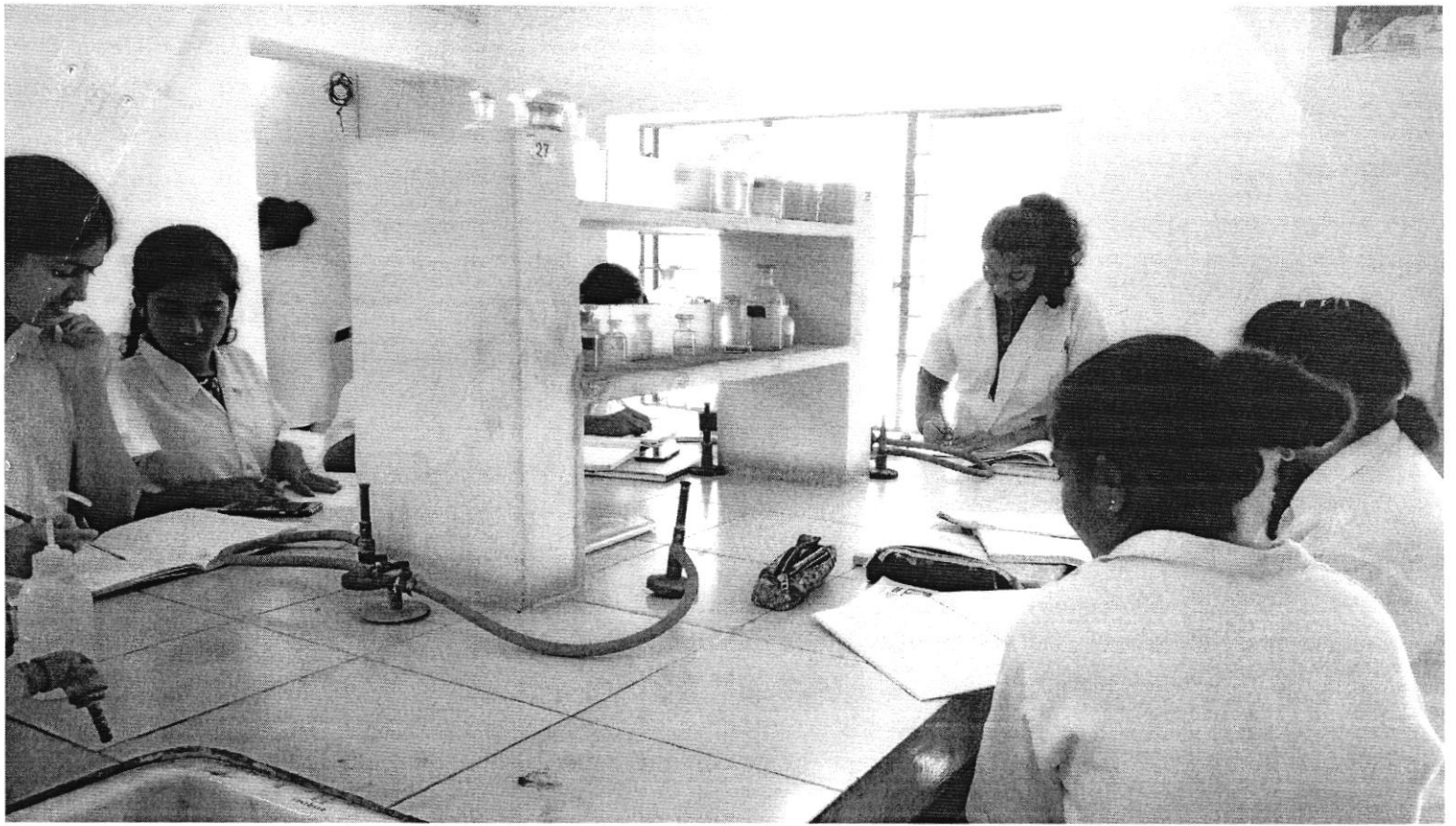
A group discussion was conducted for the students of 1st year graduation. Students were asked to think about what is impacting the change of meaning of the word "charity" in the contemporary times and discuss on the same. They came up with a variety of thoughts and presented them forming groups. The ideas were discussed and pondered over.

GROUP DISCUSSION



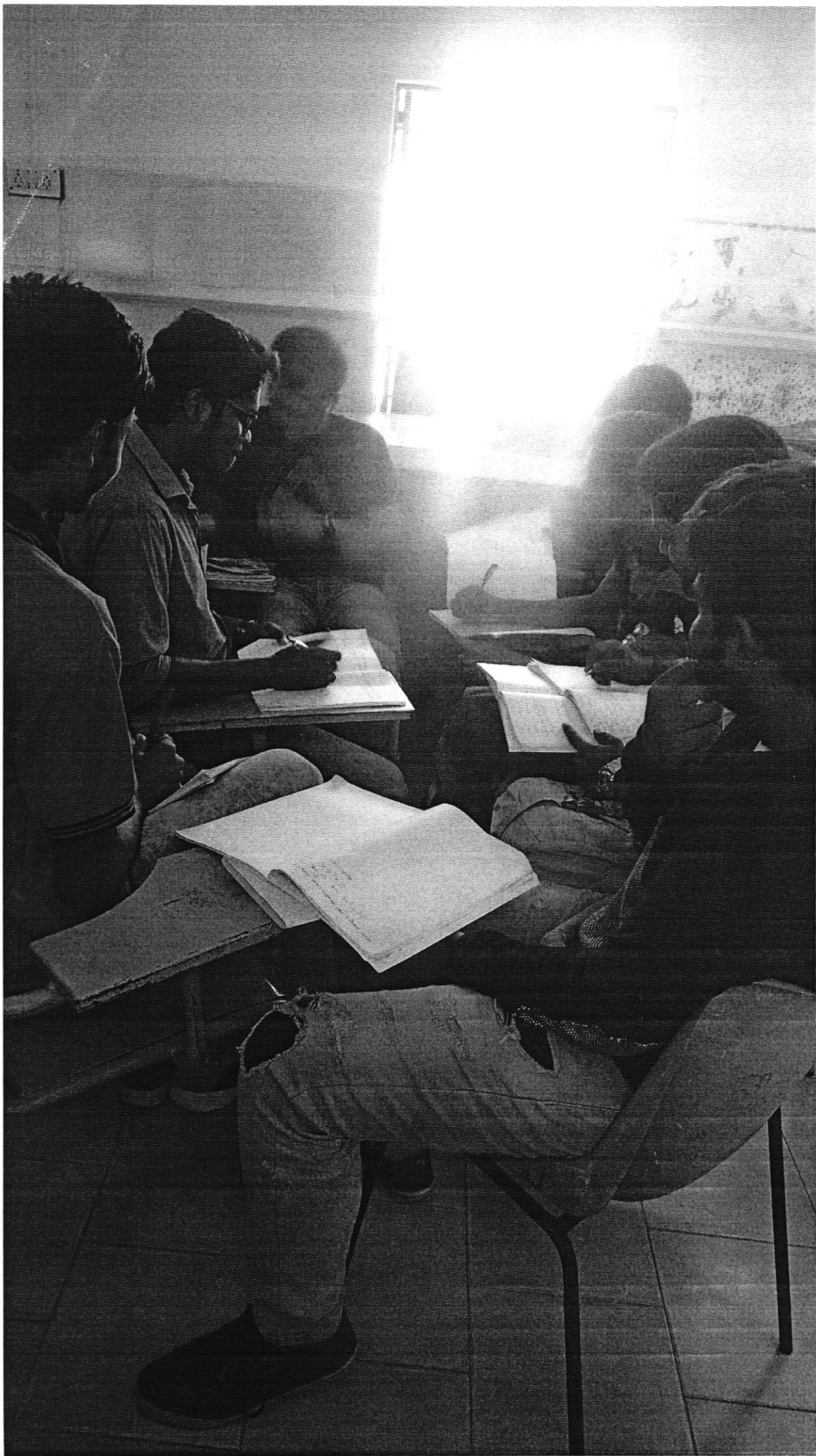
SEM IV 2018-19



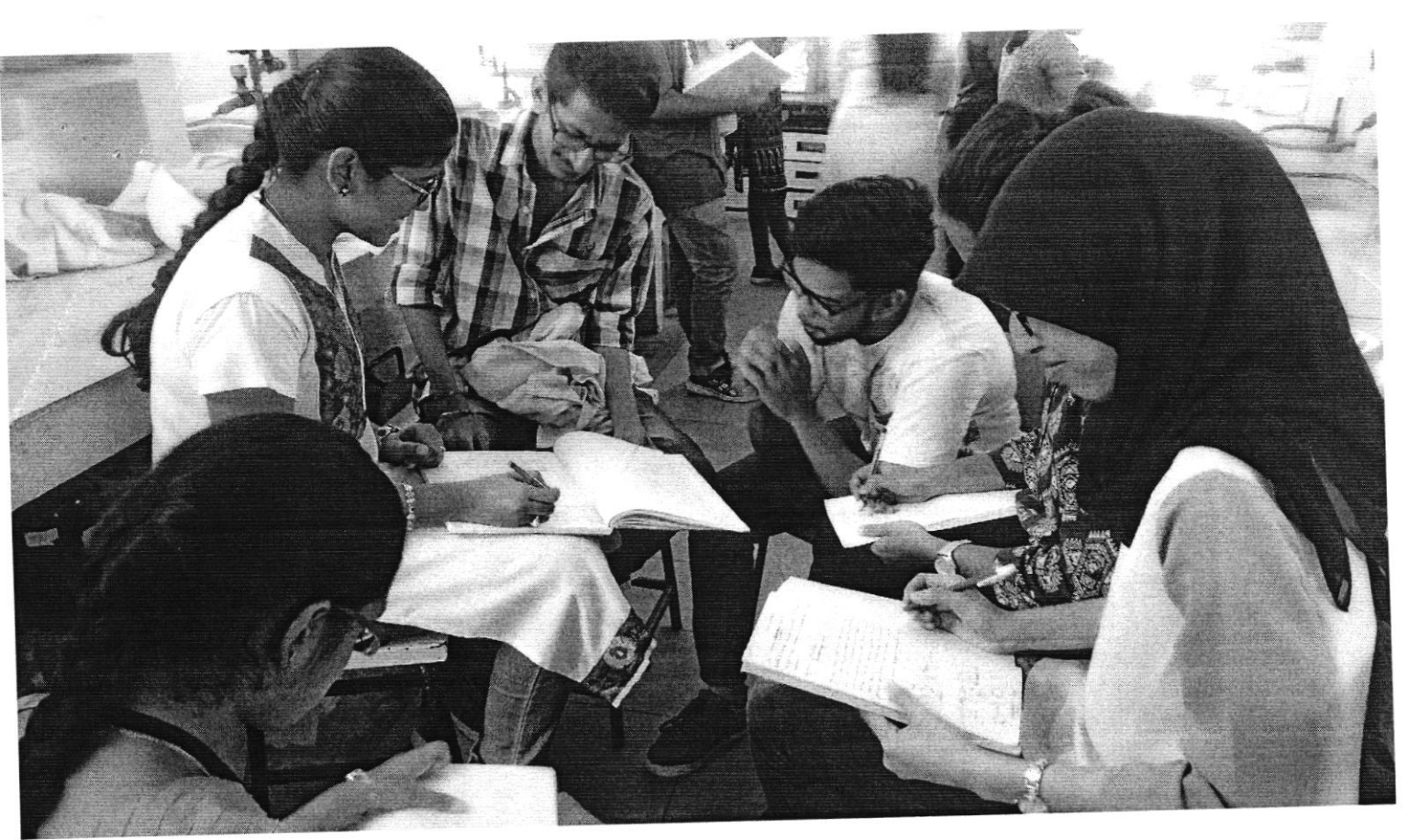


Group Discussions

Amma



Amir



Ammyms



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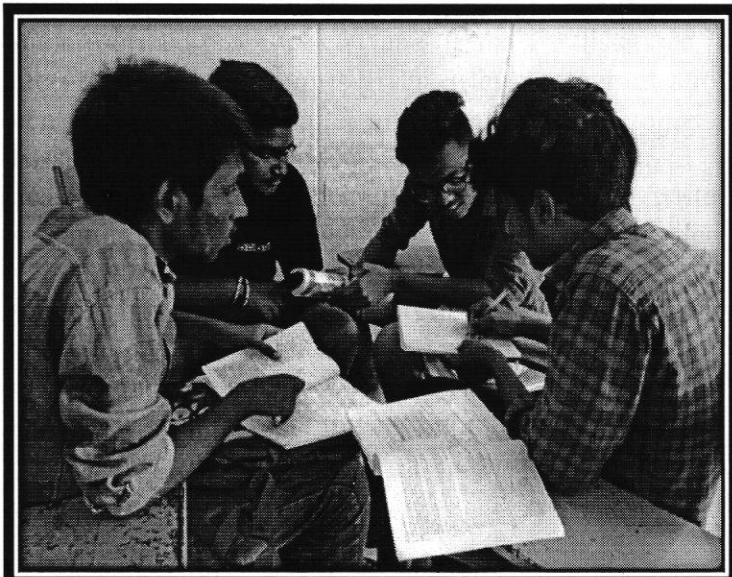
Department of Languages: ENGLISH
TLE Method: Collaborative Learning/Group Learning

Prescribed text books: Sem I & II - English Made Easy
Sem III & IV -English in Use
TLE Method practiced for: Semesters - I, II, III & IV

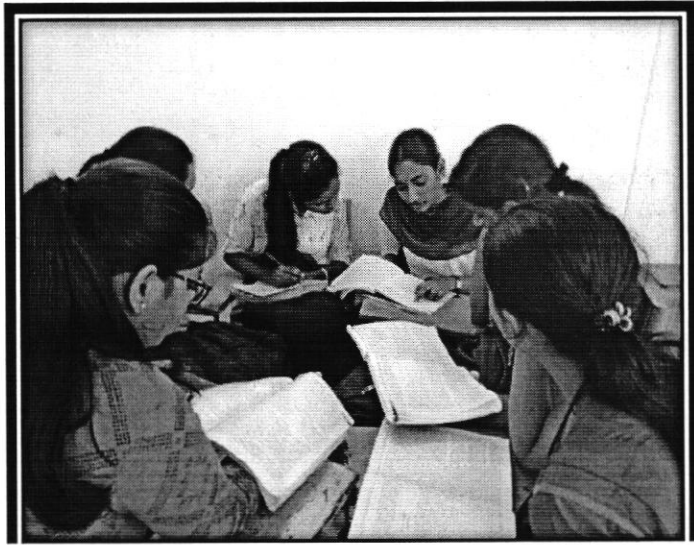
The prescribed prose, poetry and drama are discussed in the class. Then the students are divided into groups. Each group is given a few textual questions/comprehension questions. The groups then subdivide into smaller groups, take a question each, discuss the answer, write and present the answers. All the students are encouraged to take part in the discussion and contribute their ideas; one student in each group volunteers to write the answer and one student initiates to present it orally. All the answers presented are compiled and shared with the class.

This activity enhances their learning as knowledge shared is knowledge doubled. It increases their comprehension abilities and enhances their writing skills. It also promotes the concepts of self-learning, peer learning and student-centred learning. Initially, only the extrovert students come forward to present the answers, but as the activity is routinely done for every unit, even the shy and hesitant students become comfortable and express enthusiasm to present the answers. Thus, students become self-confident and derive the benefits of student-centred learning.

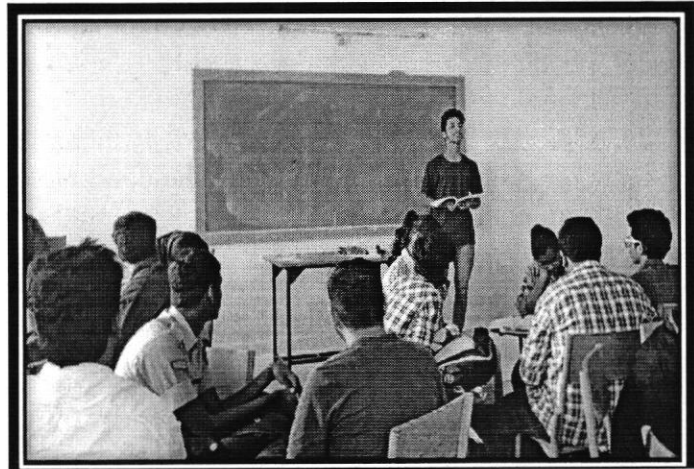
06-01-2020



30-11-2019



04-12-2019



16-9-2019

16-9-2019

Ques. What images of war are there in the poem? What effect does such language create?

Ans. The language which depicts it is 'In the world's broad field of battle In the narrowest of lanes He was like dumb, driven cattle! He was like a beast in the stalls! Poor creatures scold in a battle field and the struggle is life or shoulder One could always fight for his dream and win the battle lies here We must not always be an children and sleep cattle and put

do what we are told to do, but sometimes think out of the box and choose the right path'. The poet is here, earnestly encouraging the students to struggle, achieve our goal and win the battle like a hero. Poet also cautions the readers saying that life is full of conflicts and one has to somehow struggle to live on earth. Life is simply not worthy to live, but we ourselves need to make it worthy and prove our selves to be capable and succeed in it.

Ques. How does the poet use metaphors to describe war? What effect does such language create?

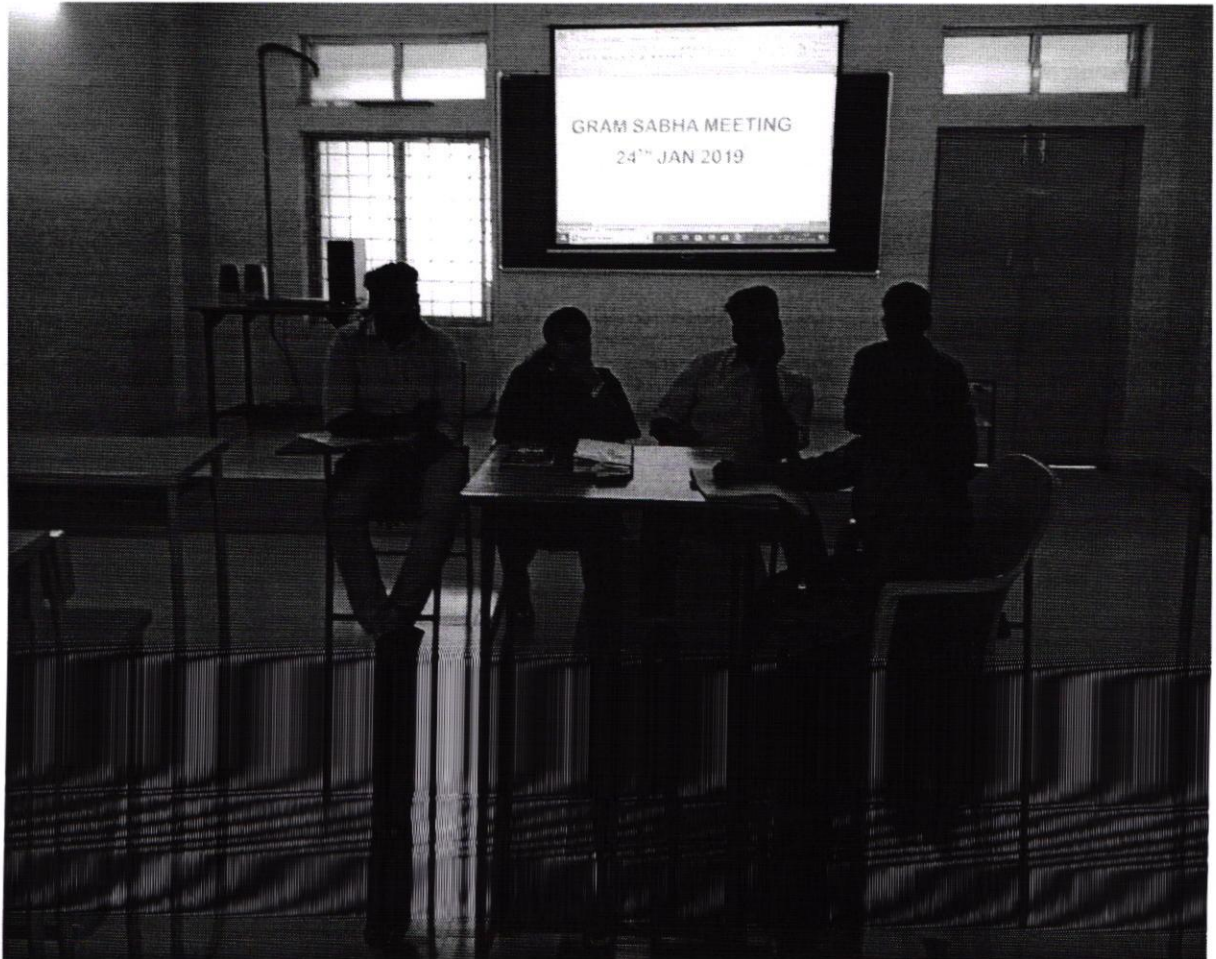
Ans. The poet uses metaphors to describe war. He compares the soldiers to 'dumb, driven cattle' and 'beast in the stalls'. This language creates a sense of dehumanization and the harsh, brutal nature of war. The poet also uses the metaphor of 'a battle field' to describe the world, suggesting that life is a constant struggle. The language is powerful and evocative, highlighting the physical and emotional toll of war on the soldiers.

ROLE PLAY

24 January 2019

Gram Sabha Meeting-Role of Sarapanch

Department of Political following the syllabus Political Science effectively used in the classroom to provide Role Play to the students. It engaged the students in real-life situations. They examine personnel feelings towards others and their circumstance. It enhances their skill of negotiation, debate, teamwork, cooperation, persuasion and strategic decisions. It develops social skills.



Role Play: Working of the Executive

Topic

Power, Authority and Legitimacy

Video Link

https://drive.google.com/file/d/1msoFW-1_3ZQhmZVES5yVRoaKcdouY_1g/view?usp=sharing

Role play

MBA

1 st Year 1st Sem Business Law:

Students created a short film and animated video.

Organizational Psychology

Role play was done by the students to describe the socialization process of an organization



- Students were asked to prepare on different sectors the impact of organizational Psychology.
- A questionnaire has been prepared and students collected the data and the analysed information was presented.

IHRM

IHRM practices of Different Companies has been presented by students



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Department of Languages: HINDI
TLE Method: Role Play

Prescribed text book :Gadya Darpan & Katha sindhu.

Play : 'Andekchilke' written by Mohan Rakesh.

Semester II :

The students play the role of different characters. Depending on the number of characters in the play, the interested students are picked up from the class. Students take position, stand facing towards the class, carry the textbook in their hand. Each student tries to enact the character. He / she reads the dialogues as and when they appear in the play. The dialogues are read out loud with expressions, intonation, and pace. The narrator reads out the directions in the play. Through this method the students learn to explore realistic situations, think more critically and analyze an issue or a subject. They develop listening and speaking skills.





Video of Role play :



VID-20181130-WA0
101.mp4



**Bhavan's Vivekananda College
of Science, Humanities & Commerce**

Sainikpuri, Secunderabad – 500094

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**Department of Languages: ENGLISH
TLE Method: Role Play**

Name of Lecturer: MsPrachi Nath

Prescribed textbook: English Made Easy

Task: Conversation

Semester II – December 2019

The students play the role of different characters as given in the conversation section of the lesson. The interested students are requested to come forward and discuss between themselves as to how they will enact the given situation, after which they play out their selected roles. Each student tries to enact the character, and design a conversation. The dialogues are spoken with expressions, intonation, and pace. Through this method the students learn to explore realistic situations, think more critically and analyze an issue or a subject. It also facilitates them to respond to the speaker appropriately, hence enabling them to improve their communication and social skills.





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Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
INTERCOLLEGIATE EVENT at BVC
2. Name of the Department if the programme is conducted inside the college:
CHEMISTRY
Dr Madhumita Bhattacharjee

Mr G V Ramana Murthy
Ms Mary Nygi Kurian
Ms Moumita Bandyopadhyay
Ms Prerana Loomba
3. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Documentary
4. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Conducted a documentary competition called Jeevan Dhara - Save water - 2nd
Aug,2019.
5. In case of Seminar:(Tick the correct option)

<input type="radio"/> National	<input type="radio"/> - International
<input type="radio"/> Presented	<input type="radio"/> - Participated

If Presented, enclose the Title of the presentation:

6. Date of the event: 2 Aug 2019

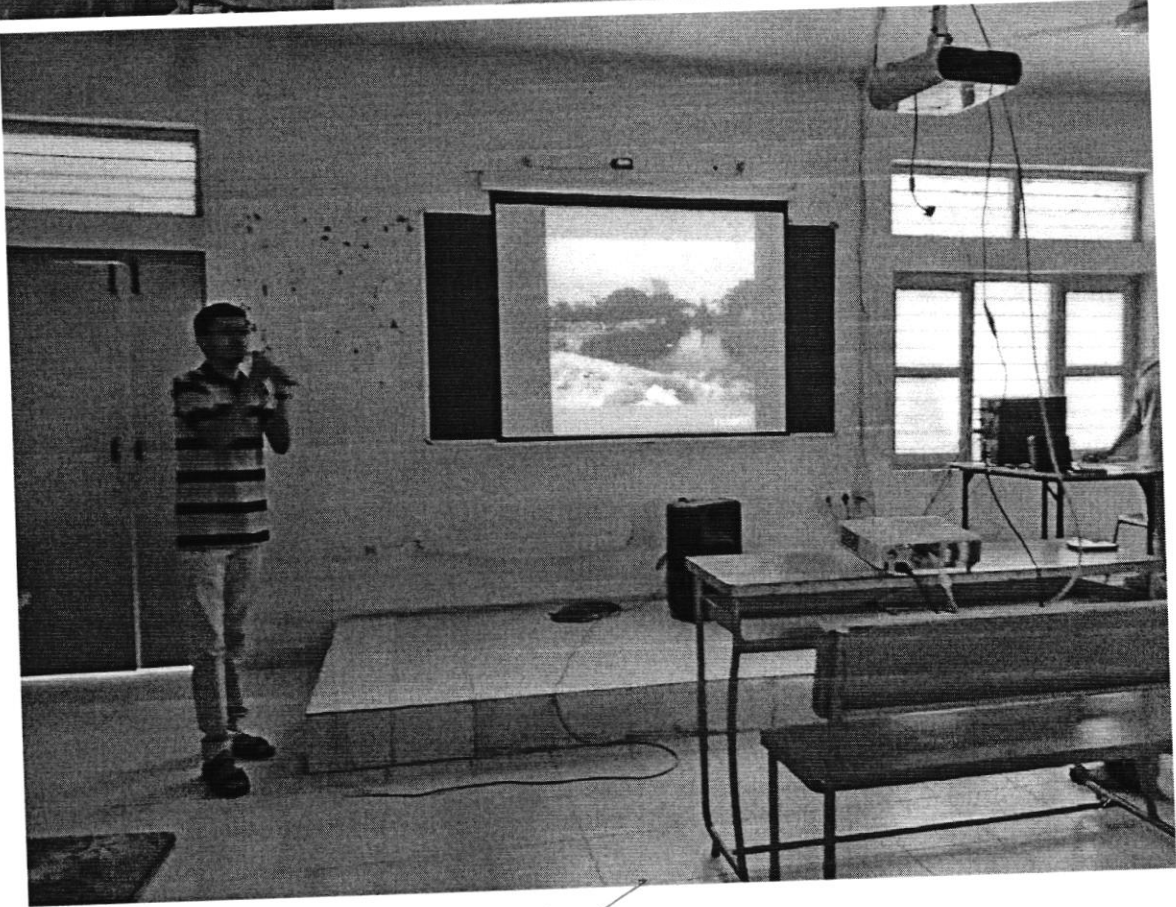
7. Place of the event: BVC,SAINIKPURI

8. Name(s)of the Resource person(s):
Ms Kalpana Ramesh

Description of the Event: (within 500 words with 3 relevant pictures)

As part of Bhavanotsav, Dept of Chemistry conducted a documentary competition called Jeevan Dhara - Save water - 2nd Aug, 2019. Ms Kalpana Ramesh, water conservation proponent & vector driving "Save the lakes" initiative in the twin cities was the judge for the event. Seven teams took part in the event. The quintessence of the event was "Every drop counts" thus use water economically & refrain from causing man made pollution leading to disturbances in ecosystem.

A handwritten signature in black ink, appearing to read "Kalpana Ramesh", is written over a diagonal line that spans across the page.



Omprakash

16. Hands on activities:

As part of the broadcast journalism course, the students are taught with cameras and tripods - the process of film making.



Hands on Activities Relating to Fundamental Duties

24-12-2019

Fundamental Rights and Fundamental Duties are part of syllabus Paper –II Indian Constitution, we conducts hands on activities relating to their syllabus. Article 21 provides Right to Life, Article 48A provides responsibilities of the state in protection of Environment and Article 51A (g) provides that “it shall be the duty of every citizen of India to protect and improve the natural environment including forests , lakes , rivers and wildlife and to have compassion for living creature.”

Department of Political following the syllabus Political Science endeavor to create awareness among the student community about significance of the Environment and our rights our duties. Accordingly, we requested students for plantation of trees and for protection of trees in lieu of their constitutional fundamental duties is to be discharged.

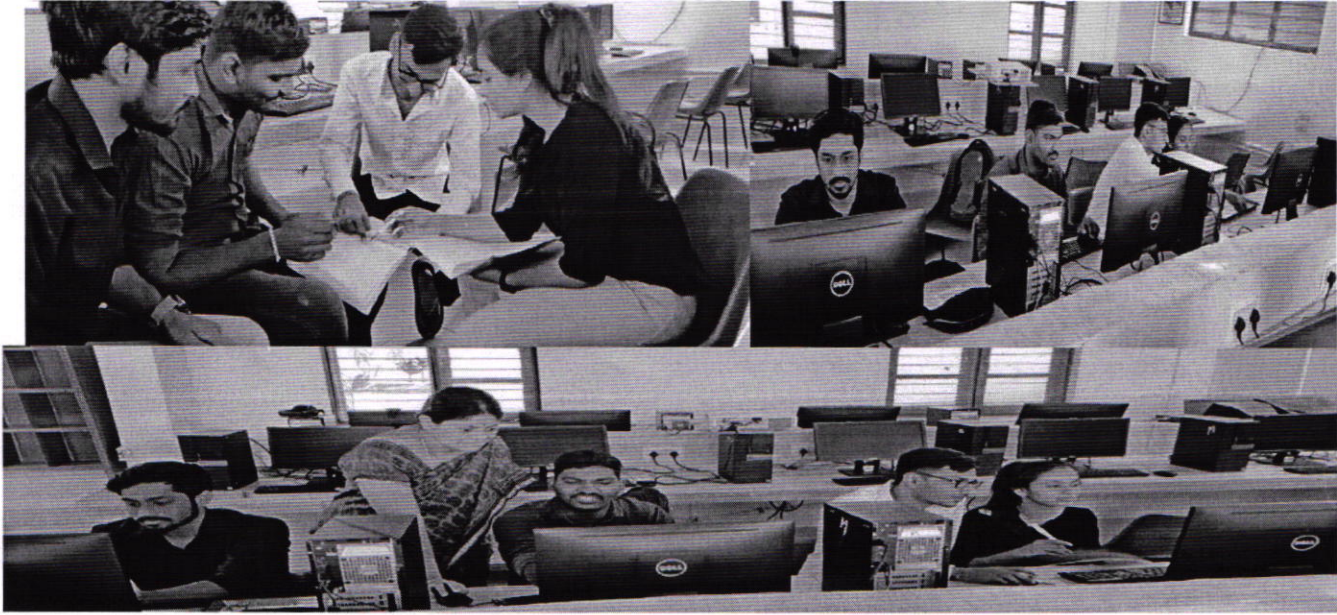
Such hands on learning activities helping students to grasp what they are taught in the classroom and practical situations. It has significant impact in their attitude to discharge their fundamental duties under the Constitution of India. It enhance their skill to understand the concept of Constitutional Morality.





BCom (Computer Science)

Hands on activities



OUTREACH PROGRAM FOR HIGH SCHOOL TEACHERS

Department of Physics and Electronics organized an Outreach Program for High School Science Teachers under STAR DBT Scheme on the theme "*Understanding the underlying Physics through activities*" on 30th August 2019. 28 science teachers from various schools in and around twin cities of Hyderabad and Secunderabad participated in the workshop. The workshop was inaugurated by Air Cmde JLN Sastry, VSM, Vice Chairman, BVB, Sainikpuri Kendra.

Activities Conducted: The work shop was conducted in two sessions. The first session was a lecture session by Prof. Ravindran Ethiraj on "Fundamental concepts of Physics". The second session had practical demonstrations on about 25 Physics experiments on topics such as Mechanics, Optics, Electricity and Magnetism etc. Most of our experiments presented in the program were designed in such a way that any teacher can easily assemble the experiment with very low cost and not much sophisticated instrumentation involved. All the faculty members of the department and about 25 students from BSc MPCs and MECs were involved in this programme.



Jawarler

Prasanna

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

HRM

Assignment

Company:

INFOSYS

Pneethi Singh - 42

P. Roshini - 39

Sameera Razvi - 107217684044

Sonali - 48

2019-20

BBA 4th
Sem

INFOSYS

Infosys Limited is an Indian multinational corporation that provides business consulting, information technology and outsourcing services. It has its headquarters in Bangalore, Karnataka, India.

CEO: Salil Parekh

Founded: 7 July 1981, Pune

Headquarters: Bengaluru

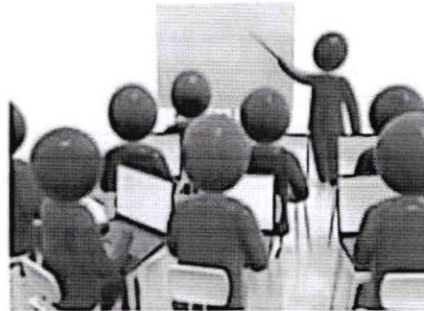
Founders: N.R. Narayana Murthy, Nandan Nilekani, S.D. Shibulal, Kris Gopalakrishnan, N.S. Raghavan

Subsidiaries: Edgeverve, Infosys BPM, Panaya, Infosys consulting, Lodestone Management consultants.

TRAINING & DEVELOPMENT INITIATIVES @ **infosys**

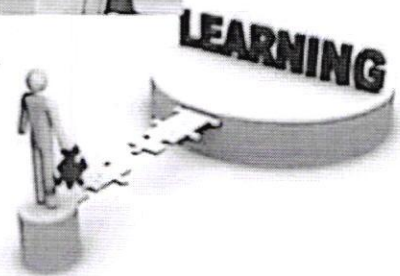
- Technical training by Education & Research department

- Quality Process Training



- Personal Effectiveness and Managerial Programs

- ILI: The Infosys Leadership System



Training & Development program in INFOSYS Training & Development program

3



BENEFITS OF TRAINING

- ⊙ Competitive advantage to the firm
- ⊙ Removes performance deficiencies
- ⊙ Reduces accidents, damage, errors and wastage
- ⊙ Improves productivity and profits
- ⊙ Improves satisfaction and morale
- ⊙ Reduces absenteeism and turnover
- ⊙ Helps in knowledge up gradation
- ⊙ Helps meet future personnel needs
- ⊙ Improves the image of the organization

EVALUATION

- ⊙ **Formal evaluation:** uses observation, interviews, and surveys to monitor training while its going on.
- ⊙ **Summative evaluation:** measures results when training is complete in five ways:
 - Reaction
 - Knowledge
 - Behavior
 - Attitudes
 - Productivity

Salary and other incentives

- ❑ Infosys has given an average hike of 6.9% to its employees.
- ❑ As per the provision of legal acts, there is an equal monthly contribution of the company to the employee provident fund which will help the employees to live a good life after retirement.
- ❑ Various incentives like performance linked compensation program, gratuity benefits to its employees.

Employee training

6

- ❑ Infosys has an education and research department where it trains its employees.
- ❑ There is also a lifelong training system followed by the company. The employees have to undergo training to be in verse with the changing technology.
- ❑ Infosys Leadership Institute in Mysore where the employees are given leadership training just to enhance their leadership quality.

Career Planning

Overview:- Career planning is an essential process of any organization. It is an important tool to retain and motivate employees. Infosys TalentEdge's Career Planning business process module leverages employee talents to its full potential. The process assesses and ranks workers, records job preferences, creates career paths, develops long-term goals, assigns mentors, identifies competencies, devises training plans, and creates development plans. The career planning solution leverages Oracle PeopleSoft's Career Planning module.

- **Highlights:- Career Progression Chart:** The career progression chart provides graphical representation of an employee's career path and performs profile comparison between employee and role selected in the career path. The chart is available to employees and managers through their respective self-service menus, and to TalentEdge administrators through the Workforce Development menu
- **Manager Self-service:** This application enables managers to perform career planning activities for team members by:
 - Viewing mobility preferences defined on the employee's personal profile
 - Adding or deleting moves in the career path agreed upon by the manager. Employee's development plan can be updated with qualifications
 - Updating employee's forced ranking and potential rating
 - Updating an employee's short and long term goals
 - Adding career mentors who are internal or external to the organization and documenting any goals associated with mentorship
 - Updating employee's career strengths and/or areas for development
 - Updating employee's training activities and developmental action plan. Employees can also be enrolled into learning activities
- **Flexibility to Create Own Career Plan:** Apart from HR administrator and managers, employees can create their own career plan which can be accessed only by themselves
- **Interest List:** Employees can create their interest list where they can identify and compare profiles. They can add profiles from other's interest lists to their personal career path
- **Integration with Learning Management System:** This feature helps employees in achieving their goals by reviewing learning plans and enrolling in related courses
- **Integration with Profile Management:** This feature helps in
 - Identifying skill gaps between potential roles and employee profile
 - Generating personalized resumes to apply for job openings
- **Integration with Talent Pool Management:** Displays talent pool learning programs for employee career development
- **Integration with ePerformance:** Enables review of development plans
- **Integrated with Succession Planning:** Key information including development plan, career path, goals, impact of loss, and risk of leaving are accessible within the succession planning process
- **Reports:** HR can generate reports for organization/department based on different criteria including:
 - Employees with or without a defined career plan
 - Career potential for employees, including tenure in current role and retirement date
 - Incumbents with or without career plans for key job codes
- **Benefits:-** Single self-service source identifies and tracks career aspirations and accomplishments
- Attracts and motivates employees, reducing employee turnover rate

Develop – Career Lattice



We are expanding our focus on encouraging employees to move horizontally by enabling lateral movements and opening up opportunities for job enrichment through **Experiential Learning**

14,000+ employees covered in these interventions

1,700 employees

Internships

- Opportunities to pursue areas of interest through short-term, part-time projects and earn learning credit points

Job Shadowing

- Understanding aspired roles through two days of observation and interactions with Managers / Leaders and accruing learning credit points

WIN

- WIN (Welcome, Integrate and Navigate) is a 90 days role induction program for all newly promoted employees to ensure smooth transition into the new role

Peer Learning

- Leveraging peer networking and learning to support newly promoted employees including one day of shadowing as part of the role induction program

Career Movements

- Facilitating career mobility through horizontal / lateral movements within the organization

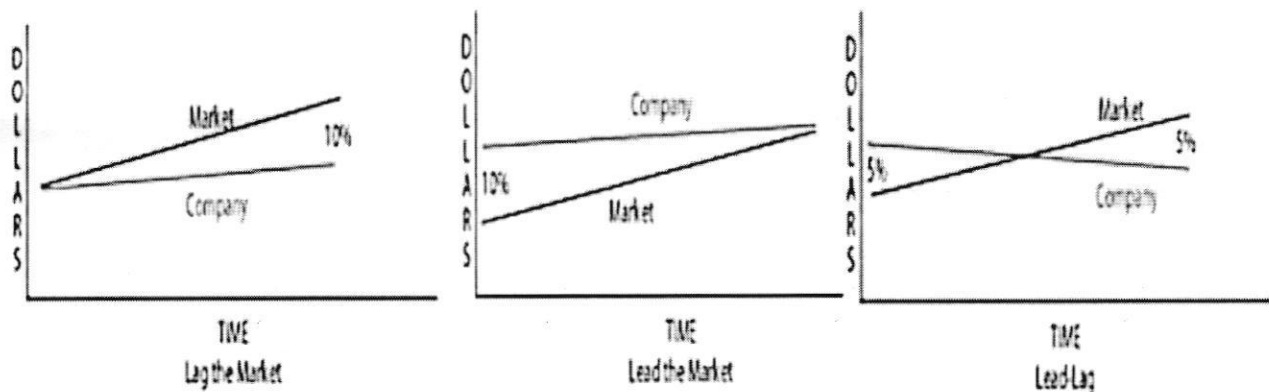
PERFORMANCE MANAGEMENT POLICY

Steps for Performance Appraisal:

- Evaluation of personal skills for the tasks assigned to an employee during the period of appraisal.
- Evaluation of the performance, different criteria's were considered.
- The personal skills of the employees were also evaluated based on their learning and analytical ability etc.
- Each of these criteria was measured on a scale of 1 to 5.

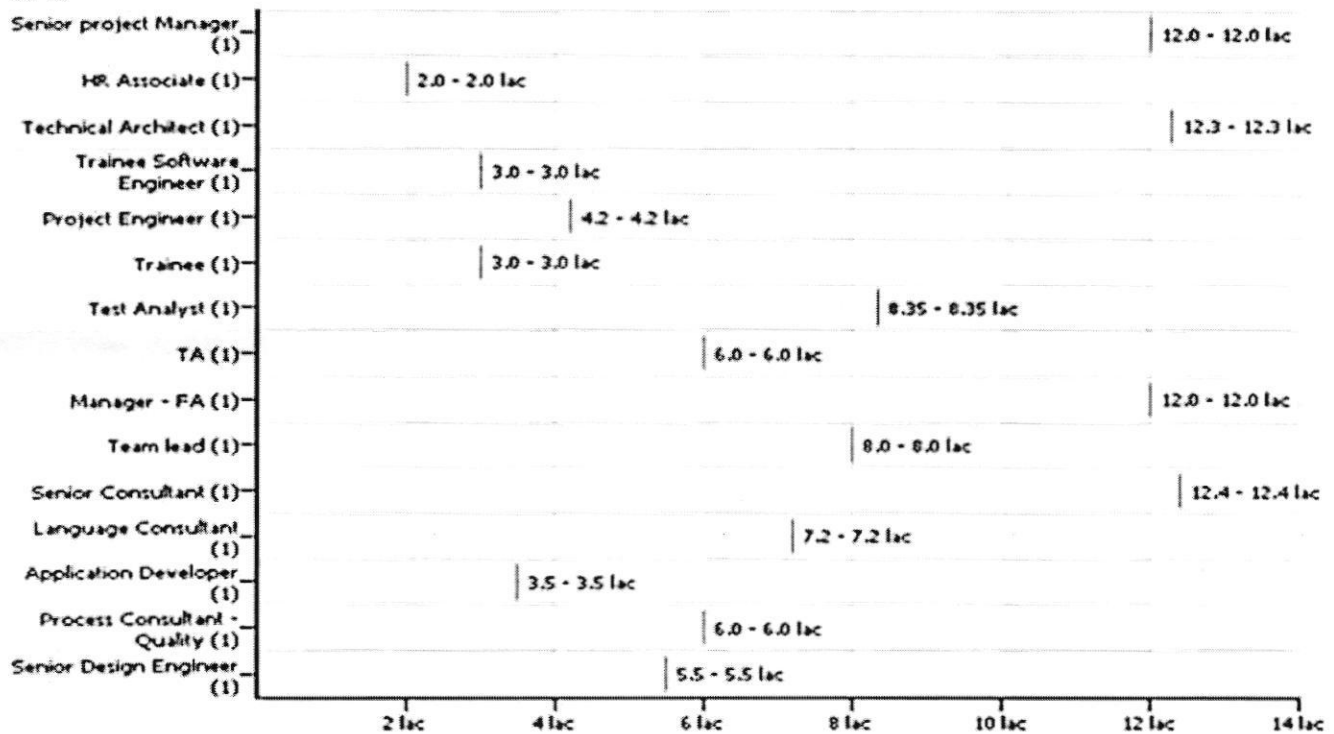
COMPENSATION POLICY

- There are three basic strategies for an organization's salary policy:



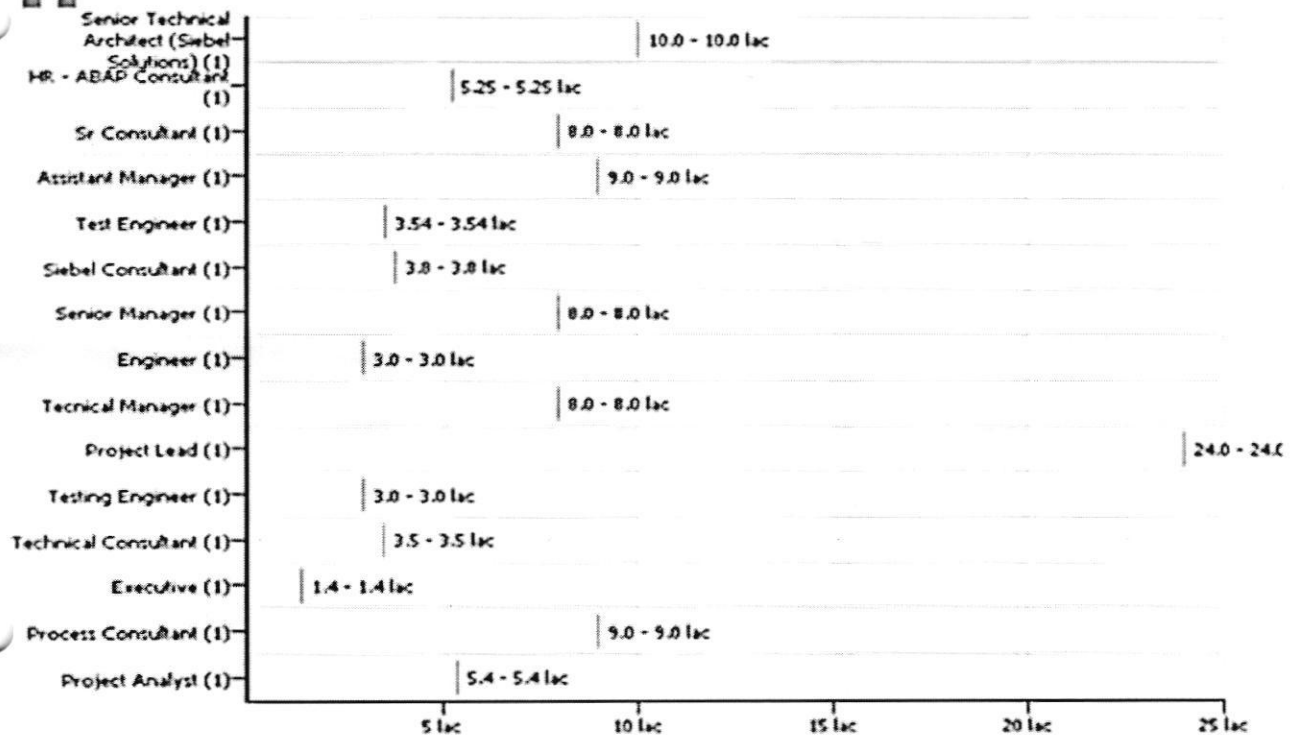
- In the jobs that we studied, SAP BI Consultant and Software Engineer, Infosys follows a **LEAD STRATEGY**.

SALARY REVIEW OF EMPLOYEES



■ Salary Review for Annual Income as per employment








SALARY REVIEW OF EMPLOYEES



■ Salary Review for Annual Income as per employment

Prizing of the Job

Median Salary by Job

Job	National Salary Data (?)	Rs 0	Rs 500K	Rs 1M	Rs 1.5M
Sr. Software Engineer / Developer / Programmer	Rs 544,606				
Software Engineer	Rs 334,970				
Project Manager, Information Technology (IT)	Rs 1,027,487				
Software Developer	Rs 311,480				
Test / Quality Assurance (QA) Engineer (Computer Software)	Rs 301,589				
<u>SAP Consultant</u>	Rs 580,280				
Information Technology (IT) Consultant	Rs 612,386				

Salary Slip of SAP BI Consultant- Infosys

Name	Department	Pers Level	Designation	Emp code	Account No.
xyz	Finance	4	SAP BI Consultant	14000	300586303 52

Total	Basic	HRA	Medical	Travel Allowance	Fixed Dearness Allowance	Leave Travel Allowance	Monthly CPI	IPI	Differential CPI	Bonus
63518	17600	11225	7016	2806	1100	7016	6840	5155	1207.0	3553

Deductions	PF Contributions	Professional Tax	Income Tax	Infosys Welfare Trust	GYM facilities
5060		2244	200	2391	200
Net Pay					
58458					

Infosys Board Compensation

- The compensation committee determines and recommends to the Board the compensation payable to the directors.
- All Board-level compensation is approved by the shareholders and separately disclosed in the financial statements.
- Remuneration of the executive directors consists of a fixed component and a performance incentive.
- The compensation committee makes a quarterly appraisal of the performance of the executive directors based on a detailed performance-related matrix.
- The compensation payable to the independent directors is limited to a fixed amount per year as determined and approved by the Board, the sum of which is within the limit of 1% of net profits for the year, calculated as per the provisions of the Companies Act, 1956.

COMPENSATION AND BENEFITS

- **Leave policy**
- **Bereavement leave policy**
- **Adoption policy**
- **Paternity leave policy**
- **Maternity leave policy**
- **Loan policy**
- **Working time policy**
- **Vacation policy**
- **Holiday policy**
- **Sick leave policy**
- **Overtime policy**
- **Higher Education Support (HES) Policy**

[REDACTED] -OFF

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

HEALTH AND SAFETY

- **Health and safety policy**
- **Smoking policy**
- **Visitor policy**
- **Corporate security policy**
- **Alcohol and drug policy**
- **Discipline policy**
- **Email policy**
- **Internet use policy**
- **Cell phone policy**
- **Grievance policy**

EMPLOYEE RELATIONS

- **Communication policy**
- **Problem resolution policy**
- **Personal appearance policy**
- **Conflicts of interest policy**

DISCIPLINARY ACTIONS

If you violate our Code, the Company will take appropriate disciplinary action.

The matters covered in this Code are of the utmost importance to the Company, its shareholders and its business partners, and are essential to the Company's ability to conduct its business in accordance with its stated values. We expect all of our directors, officers, employees and third party agents to adhere to these rules in carrying out their duties for the Company.

We take violations of this Code, Company policies and applicable laws seriously. Where appropriate, the Company takes prompt corrective action, up to and including termination of employment. We strive for consistency and fairness in discipline for Code violations. Discipline may include a verbal or written warning; suspension with or without pay; loss or reduction of bonus or stock options; or, for the most serious offenses or repeated misconduct, termination of employment.

Any disciplinary action depends on the nature, severity, and frequency of the violation. It may vary depending upon local law. Please understand that those who violate the laws or regulations mentioned in the Code could expose themselves and the Company to substantial civil damages and criminal penalties.

Corrective action may be taken if you:

- Violate the Code, Company policies and procedures, or applicable laws.
- Direct others to violate the Code, Company policies and procedures, or applicable laws.
- Are aware of a violation or potential violation, and fail to report it.
- Fail to effectively monitor the actions of people you manage.
- Do not cooperate in a Company audit or investigation.
- Fail to participate in required training.
- Retaliate against someone for reporting a concern in good faith or for participating in an investigation of such a report.
- Disclose information learned during an internal investigation.

A RESPECTING EACH OTHER

AN EQUAL OPPORTUNITY WORKPLACE FREE OF DISCRIMINATION OR HARASSMENT

At Infosys, we strive to provide a work environment free of discrimination and harassment. We are an equal opportunity employer and employment decisions are based on merit and business needs. Our Human Rights Statement further illustrates our stand on this. Employees in the U.S. may also refer to our U.S. equal opportunity statement.

We are committed to following fair employment practices that provide equal opportunities to all employees. We do not discriminate or allow harassment on the basis of race, color, religion, disability, gender, national origin, sexual orientation, gender identity, gender expression, age, genetic information, military status, or any other legally protected status. At Infosys, we value diversity and believe that a diverse workplace builds a competitive advantage.

To put these values in practice, all of us must ensure that decisions affecting employees are based on business factors only. For instance, decisions regarding hiring, promotion, termination, transfer, leave of absence or compensation should only be based on relevant business factors.

We must also ensure that we never verbally or physically mistreat others or engage in offensive behavior, and we should not tolerate those who do. This includes harassing, bullying, abusive or intimidating treatment, inappropriate language or gestures, disorderly conduct, violence and any other conduct that interferes with a co-worker's ability to do his or her job.

The Company's Anti-Discrimination and Anti-Harassment Policy applies to all persons involved in the operations of the Company and prohibits harassment by any employee of the Company towards other employees as well as outside vendors and customers. If you have any questions relating to what constitutes discrimination or harassment, or any other questions or concerns pertaining to discrimination or harassment, please refer to the Policy on Prevention and Redressal of Harassment at Infosys or any of the location-specific procedures found on your local policy page on the Company intranet. If you wish to report a concern, you may reach out to us using any of the relevant channels noted in the "Speak Up" section on the previous page, or simply call the Helpline listed throughout this Code of Conduct.

A SAFE PLACE TO WORK

To work effectively, all of us need a healthy and safe work environment. All forms of substance abuse as well as the use or distribution of drugs and alcohol while at work is prohibited. Unless required as part of your role (for instance for security personnel where deemed necessary), possession and / or use of weapons / firearms or ammunition while on business of the Company is prohibited. All of us should be safe at our place of work. Should you observe any unsafe situations at work, please reach out to the Helpline. Please also take the time to familiarize yourselves with emergency procedures and the safety manuals applicable to your location.

B ETHICS IN OUR BUSINESS ACTIVITIES

Infosys enjoys a hard-won reputation for honesty, integrity and fair dealing. Without question, this reputation for integrity is an invaluable part of our success. There are certain regulations that Infosys is subject to and we should ensure that we comply both in letter and in spirit with these as is applicable.

PREVENTING CORRUPTION

The United States Senate in 1977 stated "Corporate bribery is bad business. In our free market system it is basic that the sale of products should take place on the basis of price, quality, and service. Corporate bribery is fundamentally destructive of this basic tenet."

GOVERNMENT OFFICIALS

Particular care must be taken when interacting with government officials. This includes employees of any government, candidates for political office, members of royal families and employees of businesses controlled by the government.

Corruption diverts public resources from priorities such as health, education, and infrastructure and impedes economic growth. Corruption undermines public accountability and the rule of law. Corruption is anti-competitive, increases costs of doing business globally and introduces significant uncertainty into business. Bribery thus raises the risks of doing business, putting a company's bottom line and reputation in jeopardy. Companies that pay bribes to win business ultimately undermine their own long-term interests and the best interests of their investors.

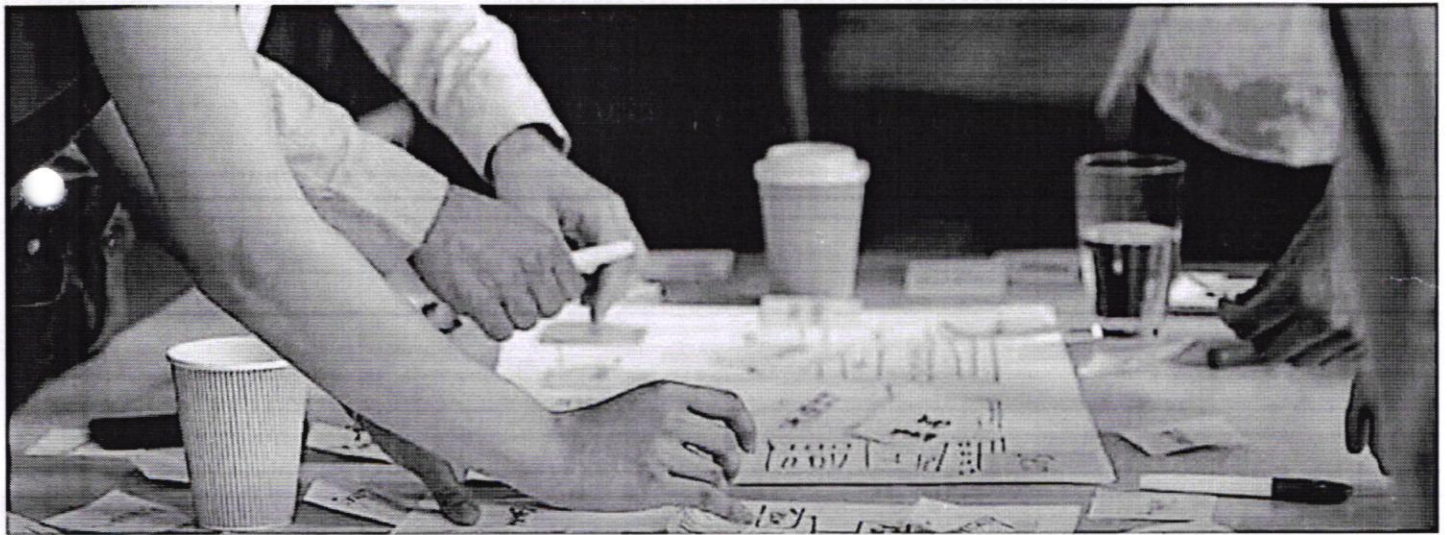
As a global company, apart from the Prevention of Corruption Act, 1988 (India), Infosys is subject to all relevant anti-corruption laws, including the U.S. Foreign Corrupt Practices Act (FCPA) (as if it were a U.S. incorporated company) and the Bribery Act 2010 (U.K.). These prohibit bribery of government officials and commercial partners.

We should never offer, directly or indirectly, any form of gift, entertainment or anything of value to any government official or commercial partners including customers or their representatives to:

- Obtain or retain business;
- Influence business decisions; or
- Secure an unfair advantage

This includes bribes, kickbacks and facilitation payments.

What is a bribe? A bribe is anything of value that may be seen as an attempt to influence an action or a decision in order to obtain or retain business or acquire an improper advantage. This could include money, gifts, favors, use of company resources, entertainment or other items of value.



VALUES IN ACTION

WHAT DOES IT MEAN TO ACT WITH INTEGRITY AND TRANSPARENCY?

Acting with integrity and transparency means that we should be ethical, sincere and open in all our transactions. Personal accountability goes a long way in showing our clients

and our employees that they can rely on us. That is why, as employees and leaders of Infosys, we keep our commitments and walk the talk. We speak up when we are uncomfortable or uncertain, especially when it comes to actions, conditions and behaviors that contradict our values and culture.

E RECORDS, DISCLOSURES AND AUDITS

MAINTAINING ACCURATE RECORDS

The integrity of our financial transactions and records is critical to the operation of our business. Our shareholders' trust is based on their confidence in the accurate recording of our financial transactions. Additionally, as a listed company, we are bound by certain standards for accurate financial reporting and we are required to have appropriate internal controls and procedures. If you have responsibility for or any involvement in financial reporting or accounting, you should have an appropriate understanding of, and you should seek in good faith to adhere to, relevant accounting and financial reporting principles, standards, laws, rules and regulations and the company's financial and accounting policies, controls and procedures.

If you are a senior officer, you should seek to ensure that the internal controls and procedures in your business area are in place, understood and followed.

Additionally you should take every precaution, whether you are otherwise required to be familiar with finance or accounting matters or not, to ensure that every business record or report with which you deal is honestly filled in, accurate, complete and reliable. For more information, refer to the Policies on Reimbursement of Official Expenses. Additional policies may be applicable, based on your location.

OB READING REFERENCE

Refer to our discussion on Values, read through the following links.

1. <https://www.business-to-you.com/hofstede-cultural-dimensions/>
2. <https://www.mindtools.com/pages/article/newLML102.html>
3. <https://www.huffingtonpost.com/scott-macfarland/why-should-companies-and-b-4275199.html>
4. <https://www.changefactory.com.au/our-thinking/articles/when-corporate-and-personal-values-collide/>

Refer to our discussion about personality types and relevance to organizations, please read through the link below:

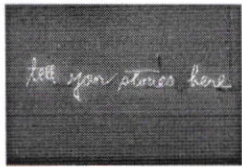
<https://atmanco.com/blog/psychometrics/5-reasons-why-personality-at-work-is-more-important-than-you-think/>

<https://www.employeeconnect.com/blog/week-hr-series-1/>

<https://www.linkedin.com/pulse/importance-understanding-personality-type-workplace-lauren-copeland/>

For our next OB class on the 16th, be prepared for a discussion on the following.

<http://fortune.com/2015/03/13/company-slogans/>



Best Company Slogans: 7 Core Values Statements That ...

fortune.com

In just a few words, these companies on the 100 Best Companies to Work For list set out the passions and commitments that define them.

<https://www.pwc.com/gx/en/about/purpose-and-values.html.html>

There are two short beautiful videos on this page. Don't miss them.

Refer to our discussion about perception at workplace and read through the following articles:

1. <https://www.educba.com/perception-in-the-workplace/>
2. <https://blog.talview.com/employee-perception>

Refer to our discussion about Transactional Analysis and read through the following articles for a better understanding.

1. <http://blog.readytomanage.com/using-transactional-analysis-in-the-workplace/>
2. <https://www.consensusmediation.ie/parent-child-adult-mode/>
3. <https://manchesterspsychotherapy.co.uk/ta-proper/>

Two more on Stress, as mentioned in the class.

<https://www.towerswatson.com/en-IN/Press/2014/05/Indian-employers-rank-stress-as-1-lifestyle-risk-factor>



Indian employers rank stress as #1 lifestyle risk factor ...

www.towerswatson.com

Stress is the number one lifestyle risk factor, ranking above physical inactivity and obesity, according to the inaugural Asia Pacific edition of the Staying@Work survey conducted by global professional services company Towers Watson

<https://www.forbes.com/sites/jennagoudreau/2013/03/20/12-ways-to-eliminate-stress-at-work/#50768b327f29>

12 Ways To Eliminate Stress At Work

www.forbes.com

Psychologist Sharon Meinicke offers 12 easy tricks to turn your work stress into

Refer to our discussion about "Attitude & Job Satisfaction" in the class today. Read through the following links to understand the concept better.

1. <https://www.brighthr.com/brightbase/topic/employee-conduct/attitude>
2. <http://work.chron.com/pros-cons-employees-attitude-work-2841.html>
3. <http://smallbusiness.chron.com/negative-positive-attitudes-affect-workplace-21287.html>
4. <http://blog.tnemployeeinsights.com/how-attitude-and-behavior-influence-organizational-commitment-and-job-satisfaction/>

Refer to our discussion in the classroom about Moods & Emotions, please read through the links for further discussion tomorrow.

1. <http://www.europeanbusinessreview.eu/page.asp?pid=1580>
2. <http://knowledge.wharton.upenn.edu/article/managing-emotions-in-the-workplace-do-positive-and-negative-attitudes-drive-performance/>
3. <https://leaderonomics.com/personal/impact-of-emotions>
4. <https://www.goodtherapy.org/blog/how-emotional-intelligence-can-be-key-to-workplace-success-0104167>
5. Referring to our discussion on diversity from the very first class...ope you would want to read this article.
- 6.
7. <https://www.tlnt.com/4-strategies-for-increasing-diversity-in-tech-and-everywhere-else-too/>



4 Strategies for Increasing Diversity in Tech (and Everywhere Else Too)

www.tlnt.com

While employment opportunities in the technology sector have grown at twice the rate of the national average, high-tech firms have struggled to increase diversity within the workplace. Data compiled from voluntary disclosures to the EEOC reveals large racial and gender

Students



success.

Read this before tomorrow's session.

<http://lifestoogood.net/transactional-analysis-communicate-effectively/>

How To Use Transactional Analysis To Communicate ...

lifestoogood.net

Practical advice based on Transactional Analysis to help you resolve conflicts and make your communication truly effective.

Refer to our discussion about motivation and read through the following articles:

1. <https://inside.6g.io/employee-motivation-important/>
2. <https://www.thebalancecareers.com/what-is-employee-motivation-1918108>
3. <https://www.forbes.com/sites/christinecomford/2018/01/20/why-leaders-need-to-embrace-employee-motivation/#4afe1de21272>
4. <https://www.youtube.com/watch?v=hmWD2HdoZ7k>

O.B
Case Studies & Hands on activities
& Transactional analysis for
analysis - (2018-19)
aptitude analysis (2019-20)

STP PROCESS

Ft. Facebook Marketing

M . Sai Aditya
MBA 1-B
Roll No : 89

BASICS FIRST

- ❖ S - SEGMENTATION
- ❖ T - TARGETING
- ❖ P - POSITIONING

SEGMENTATION

Market segmentation is the activity of dividing a broad consumer or business market, normally consisting of existing and potential customers, into sub-groups of consumers based on some type of shared characteristics.

Heterogeneous ----- > Homogeneous

TARGETING

❖ A strategy that breaks a large market into smaller segments to concentrate on a specific group of customers within that audience. ...
Instead of trying to reach an entire market, a brand uses **target marketing** to put their energy into connecting with a specific, defined group within that market.

Select one or more segments

POSITIONING

◆ **Positioning** refers to the place that a brand occupies in the minds of the customers and how it is distinguished from the products of the competitors.

The objective of market positioning is to establish the image or identity of a brand. It reveals who we are, what we offer, and what we value

FACEBOOK MARKETING

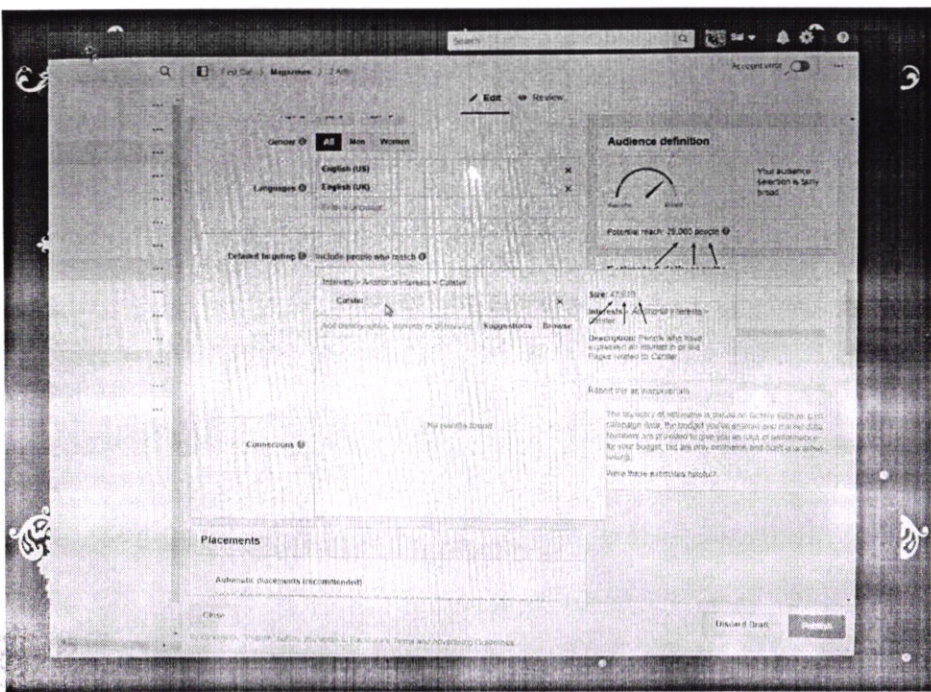
◆ **Creating**—and actively using—a Facebook page as a communications channel to maintain contact with and attract customers. Facebook actively provides for this, allowing users to create individual profiles or business pages for companies, organizations, or any group attempting to develop a fan base for a product, service, or brand.

SAMPLE ADVERTISEMENT

The image shows a Facebook advertisement for a course. On the left, there is a post by 'Osman Madan' with a question about digital marketing. The main ad features a silhouette of a person with the text '77 DAYS FACEBOOK ADS COURSE' and 'Master the most valued skill for any Business'. On the right, there is a sponsored ad for 'The Collective' featuring a basketball player and a hat, with the text 'JACK & JONES' and 'The Collective'.

HETEROGENEOUS AUDIENCE





AUDIENCE PRIORITY

- ❖ 1 : CAT OWNERS
- ❖ 2 : CAT LOVERS

LASER TARGETING

❖ Narrowing down the audience to find the most potential section.

Intersection Targeting



POSITIONING

IN FACEBOOK MARKETING

We Love Cats
Sponsored

How many cats you've owned? Share your memories with your cats and tag your friends in the comment box.
Like the shirt? Get one here - <https://teespring.com/myfirst-cat-limited-edition>

****Available for 7 days only ... get yours before its gone****
Select from 3 different styles and wide variety of colors-
<https://teespring.com/myfirst-cat-limited-edition>

26 likes · 3 comments · 4 shares

AD COPY

Common Practices :

- Create Scarcity
- Call To Action [CTC]
- Use Proven Key Words like Limited Edition

We Love Cats
Sponsored

How many cats you've owned? Share your memories with your cats and tag your friends in the comment box.
Like the shirt? Get one here - <https://teespring.com/myfirst-cat-limited-edition>

****Available for 7 days only ... get yours before its gone****
Select from 3 different styles and wide variety of colors-
<https://teespring.com/myfirst-cat-limited-edition>

26 likes · 3 comments · 4 shares

Cats In Care anyone? Give the 44 most at-risk...
4 years ago

Kisha Youwey Hakey Jo Perry Tracy Perry
4 years ago

We Love Cats Hey Guys! Thanks for the tag. Get one here - <https://teespring.com/myfirst-cat-limited-edition>
4 years ago

Linda Collins Get right if it should be "I BECAME NORMAL WHEN I GOT MY FIRST CAT". Cats improve your life!
4 years ago

We Love Cats Hey Linda! Thanks for the comment - the design means that cats make your life better than normal. Get one here - <https://teespring.com/myfirst-cat-limited-edition>
4 years ago

END RESULT

ORDERSSSSSS

Dashboard

Balance: \$21.57

DATE	DESCRIPTION	AMOUNT
1	DEPOSIT	55
43	PAYMENT	1

THANK YOU!

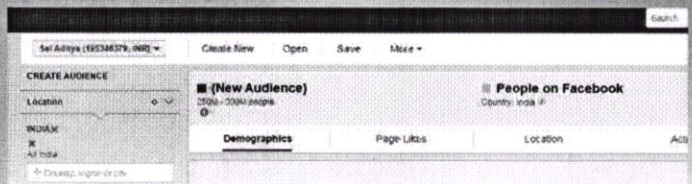
Payoneer

Dear Sai Aditya,
You received a new payment!

Amount: \$25.36

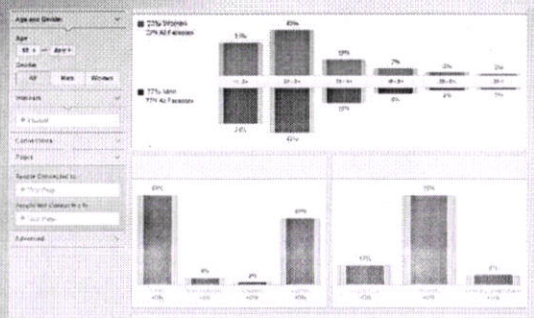
This payment will be automatically transferred to your bank account within 24 hours. Once transferred, you will receive an email confirmation.

Thank you, The Payoneer Team



Country – All India
 Available Audience : 250 – 350M People
 Unsegmented Audience
 Used Very Rarely For Mass Marketing

DEMOGRAPHICS



- Age : 18- Any
- Gender :
23% Women
77% Men
- Marital Status :
54% Single
4% Relation
2% Engaged
40% Married
- Education

CATE NATION



SEGMENTATION IN FACEBOOK MARKETING

US AUDIENCE

Facebook Audience Manager interface for creating a new audience. The 'Locations' tab is selected, showing 'United States' as the chosen location. Other tabs include 'Demographics', 'Page Likes', 'Location', and 'Activity'. A 'Create Ad' button is visible in the top right corner.

Available Audience : 150 – 200M People

Facebook Audience Manager 'Audience definition' panel. It shows a gauge indicating 'Your audience selection is fairly broad' and a 'Potential reach' of 170,000,000 people. The 'Estimated daily results' section shows a 'Reach' of 191-553 and 'Post Engagement' of 8-24. The 'Locations' section is set to 'People living in or recently in this location' with 'United States' selected. Other filters include 'Age' (18-65+), 'Gender' (All), and 'Languages' (English (US) and English (UK)).

TARGETING IN FACEBOOK MARKETING

On Interests – Magazines, Celebrities, Organizations Rescue

Facebook Audience Manager 'Detailed targeting' panel. It shows a 'Potential reach' of 28,000 people. The 'Estimated daily results' section shows a 'Reach' of 226-652 and 'Post Engagement' of 6-22. The 'Locations' section is set to 'People living in or recently in this location' with 'United States' selected. Other filters include 'Age' (18-90), 'Gender' (All), and 'Languages' (English (US) and English (UK)). The 'Detailed targeting' section includes 'Interests > Additional interests > Catster' and 'Interests > Additional interests > Your Cat Magazine'.

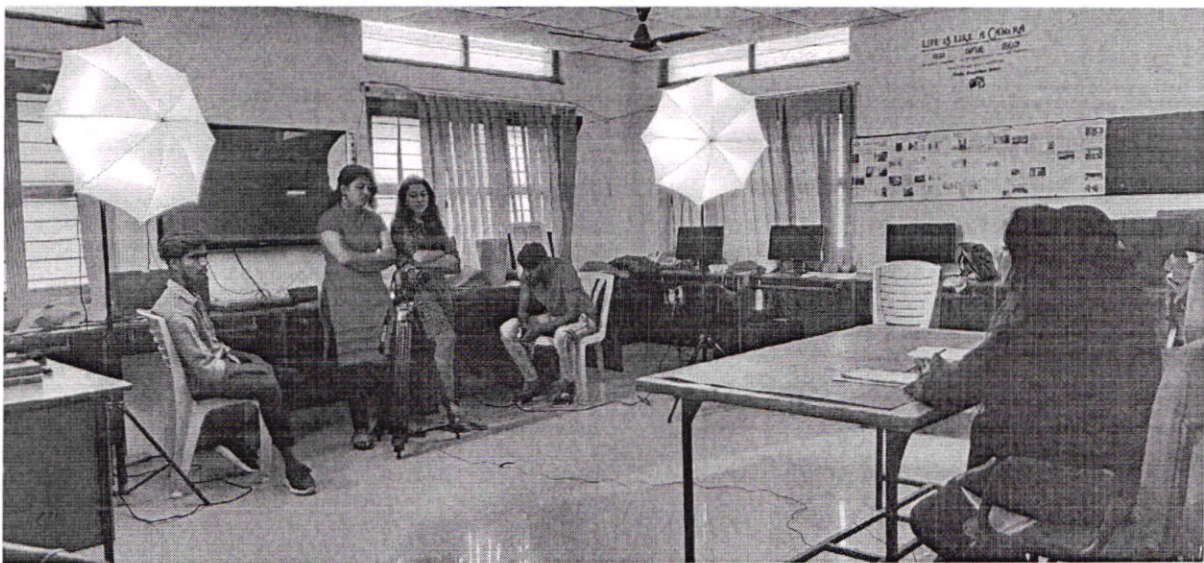
17. Practical sessions:

The students of the Department produce a quarterly news bulletin where they present the news as news readers. Multiple students will be working as camera persons, light men, Audio tracker, script writer, line producer, janitor etc.

Objective: To develop the skills of News Production.

Link1: <https://www.youtube.com/watch?v=rtOWOC6r6VE&t=17s>

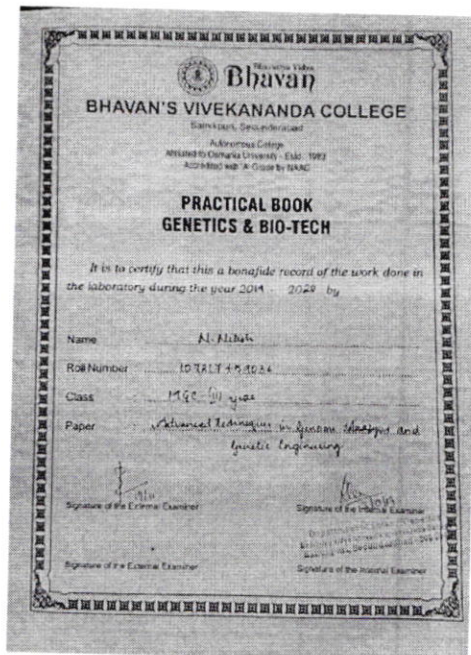
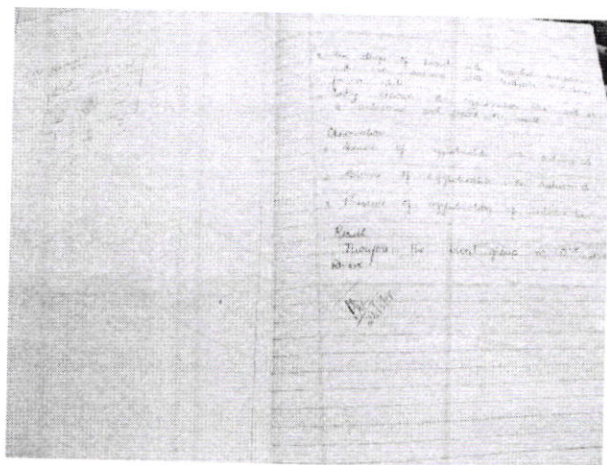
Link2: <https://www.youtube.com/watch?v=f2V2Hf4E8mQ>



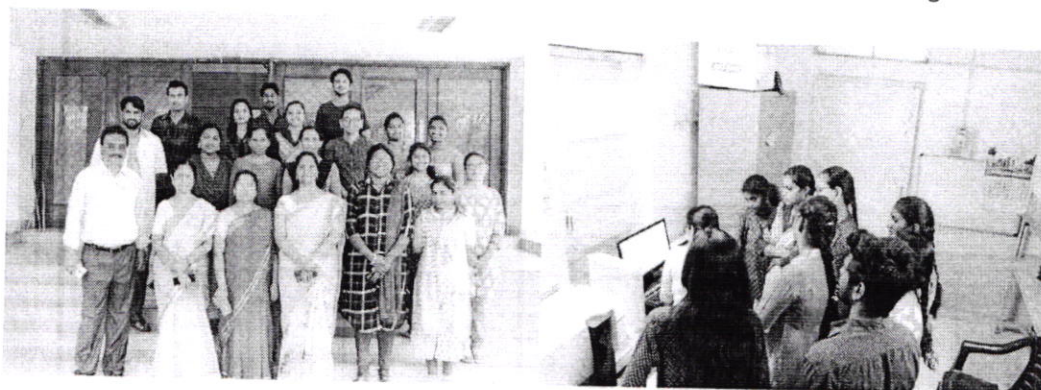
Dr I Rachana Kumari – Department of Genetics & Biotechnology

Student Centric Methods

1. Practical Sessions – Regular classes. Practical Record Sem I & Sem V



2. SEC- Genetic Counseling- Students are sent to Institute of Genetics & Hospital for Genetic Diseases, OU for Practical Training for a duration of four weeks during summer break.



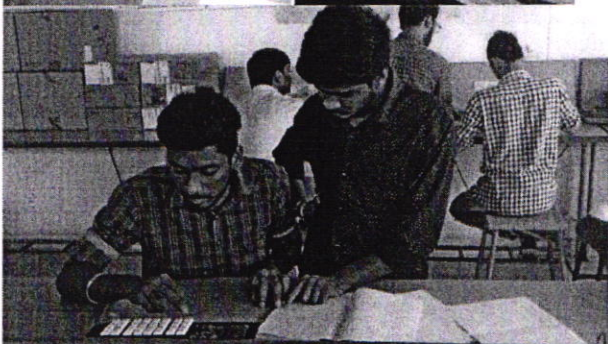
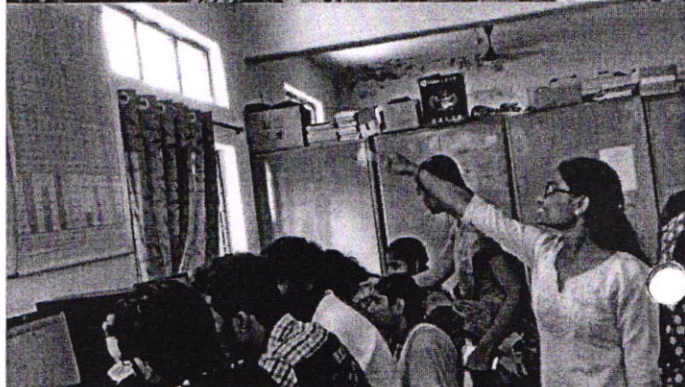
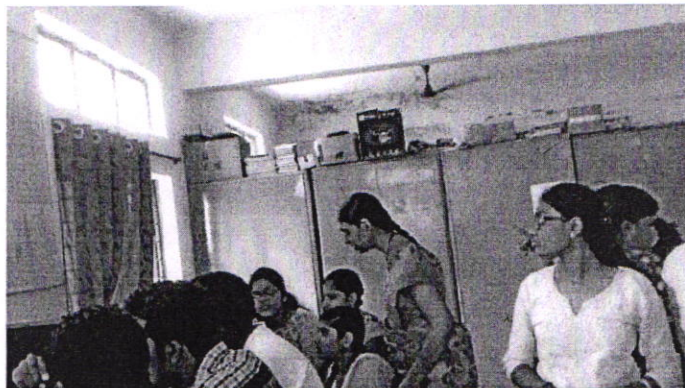
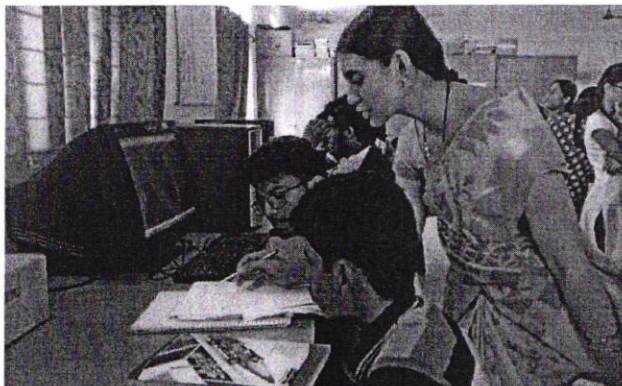
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Lab demo's

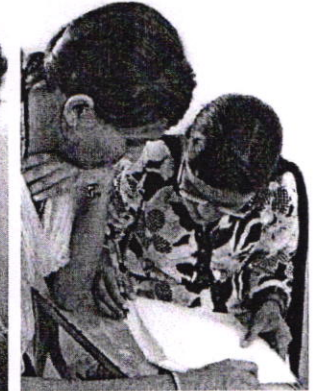
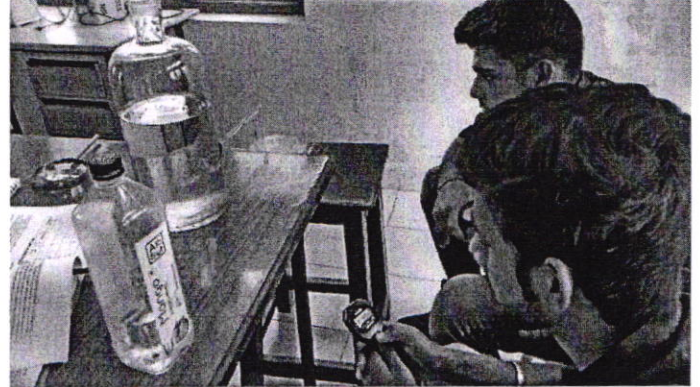
Poojith
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Practical Sessions...



Poonil
Head of the Department
Department of Physics & Electronics
Sharatiya Vidya Bhavan Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Practical Sessions...

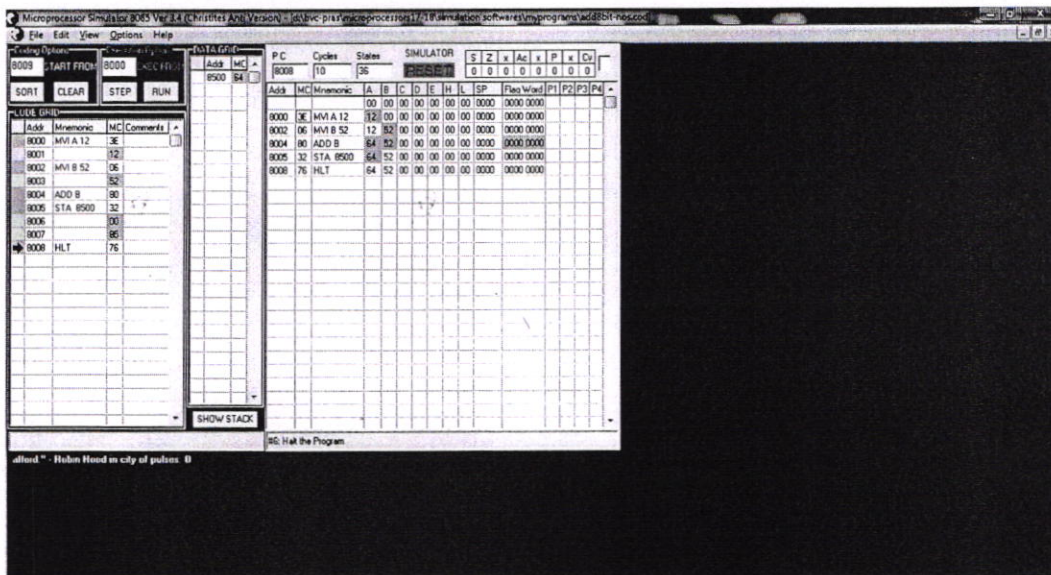
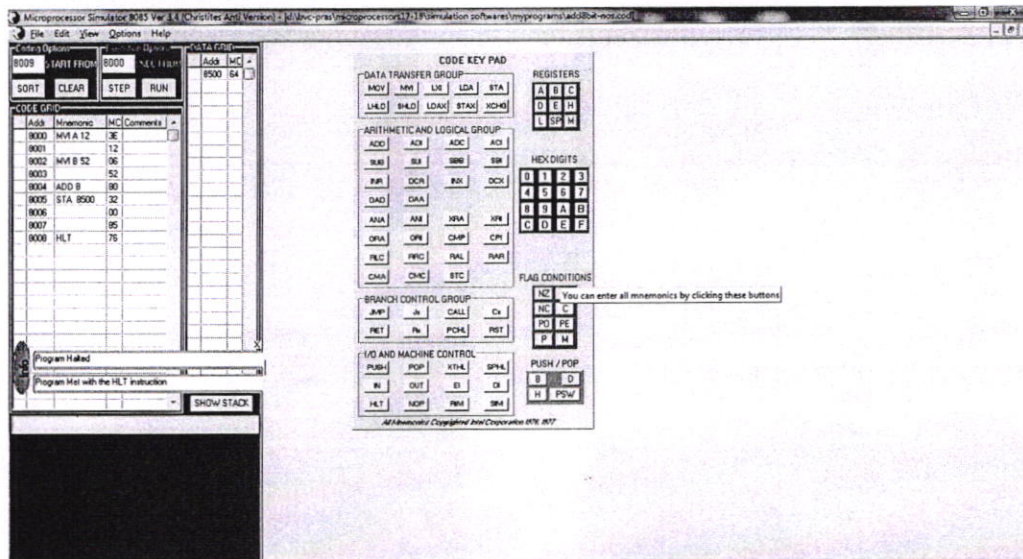


Pooja Reddy

Head of the Department
Department of Physics & Electronics
Bharatya Ganga Shiksha Nivekananda College
Sainikpuri, Secunderabad - 500 094.

Presentation on 8085 microprocessors and

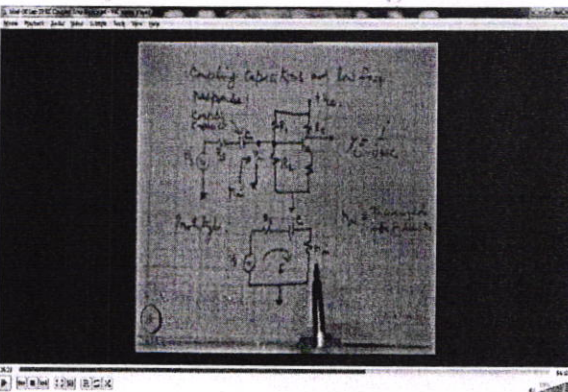
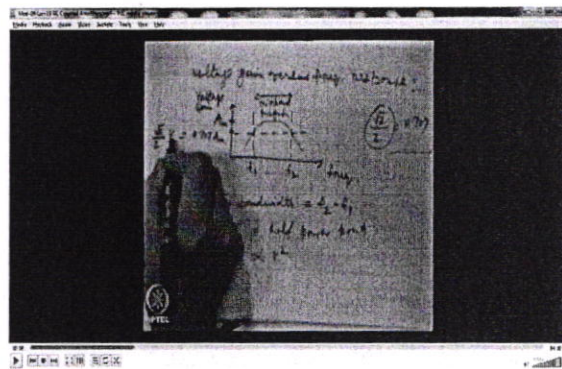
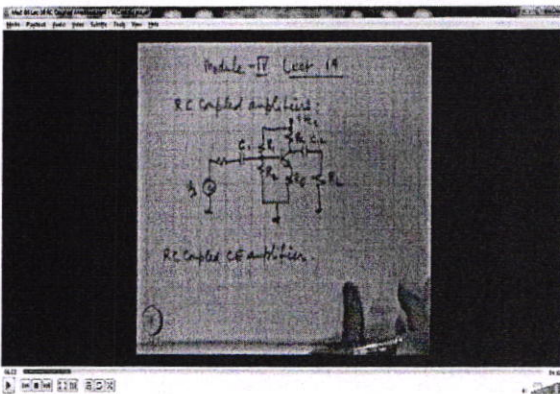
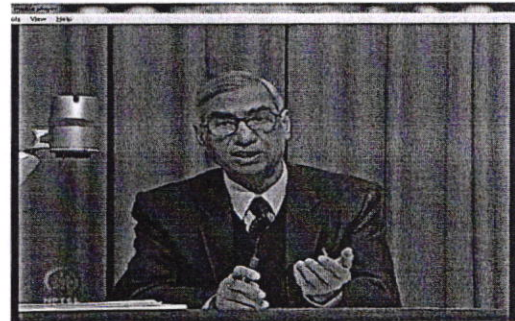
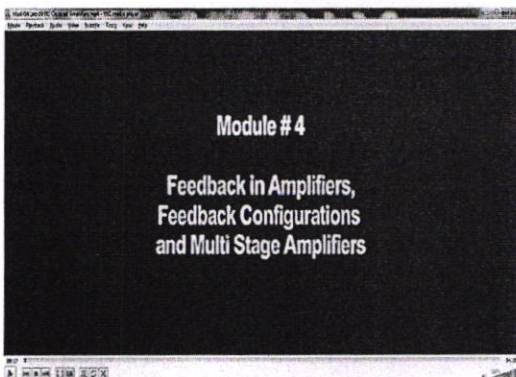
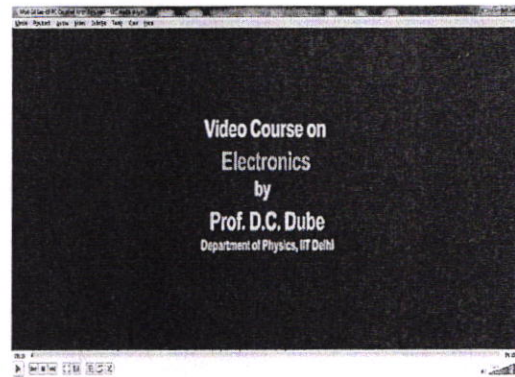
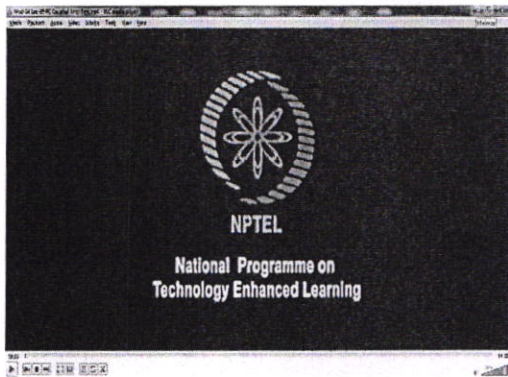
Demonstration of simulation software



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Booriniki
 Head of the Department
 Department of Physics & Electronics
 Bheratiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

Video Lecture from NPTEL



A handwritten signature in black ink.

Boonid
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

Practical Session → C. Archana

FA INTERNAL ASSESSMENT

V. Sai Keerthana

BBA-1B

61

Problem 1:

A company purchased a machine of ₹ 1,00,000 ^{on 1/1/2015 for cash} and spent ₹ 10,000 towards installation charges. Scrap value is estimated to be ₹ 2000, Life of a machine is 5 years. Calculate depreciation using st-line method and prepare machinery account for 4 years. Company follows academic period of Jan to Dec.

Solution:-

$$\text{Depreciation} = \frac{\text{Cost of an asset} + \text{Other expenses} - \text{Scrap value}}{\text{Life of an asset}}$$

Cost of an asset = ₹ 1,00,000

Other expenses = ₹ 10,000

Scrap value = ₹ 2000

Life of an asset = 5 years

$$\text{Depreciation} = \frac{1,00,000 + 10,000 - 2,000}{5}$$

$$= \frac{1,08,000}{5} = ₹ 21,600$$

Dr

Machinery a/c

Cr

Date	Particulars	JF No	Amt	Date	Particulars	JF No	Amt
1/1/2015	To Cash a/c Bank		1,10,000	31/12/2015	By Depreciation		21,600
				31/12/2015	By balance c/d		88,400
			<u>1,10,000</u>				<u>1,10,000</u>
1/1/2016	To balance b/d		88,400	31/12/2016	By Dep a/c		21,600
				31/12/2016	By bal c/d		66,800
			<u>88,400</u>				<u>88,400</u>
1/1/2017	To balance b/d		66,800	31/12/2017	By Dep a/c		21,600
				31/12/2017	By bal c/d		45,200
			<u>66,800</u>				<u>66,800</u>

reduces to zero.

4) The combined cost of depreciation and repairs is lower in the initial years and higher in the later years.

5) This method is more suitable for asset which get depreciation on account of expiry of working life of the asset.

6) It is easy to calculate the rate of depreciation

4) The combined cost of depreciation and repairs remaining more or less, equal through out the period.

5) This method is more suitable for asset which require more & more repairs in the later years of their working life.

6) It is difficult to calculate the rate of depreciation.

1) Straight Line Method:- (problems)

Formulae:

$$\text{Depreciation} = \frac{\text{Cost of an asset} + \text{Other establishment expenses} - \text{Scrap value}}{\text{Life of an asset}}$$

$$\text{Depreciation} = \frac{\text{Cost price} - \text{Turn in value}}{\text{Estimated life}}$$

1/1/2018	To balance b/d	45,200	31/12/2018	By Dep a/c	21,600
			31/12/2018	By balance c/d	23,600
		<u>45,200</u>			<u>45,200</u>
1/1/2019	To bal. b/d	23,600			

problem 2:

With the following information prepare machinery a/c for a period of 5 years on 1st Jan 2013. Machinery was purchased for £2,00,000 ^{for cash}. The company follows s.t. line method for calculating depreciation. The company closes its account on 31st Dec every year.

solution:-
 Depreciation = $\frac{2,00,000}{5} = 40,000 \text{ £}$ Machinery a/c

Date	Particulars	JF No	Amount	Date	Particulars	JF No	Amount
1/1/2013	To Cash a/c Bank		2,00,000	31/12/13	By Dep a/c		40,000
				31/12/13	By bal c/d		1,60,000
			<u>2,00,000</u>				<u>2,00,000</u>
1/1/2014	To bal b/d		1,60,000	31/12/14	By Dep a/c		40,000
				31/12/14	By bal c/d		1,20,000
			<u>1,60,000</u>				<u>1,60,000</u>
1/1/2015	To bal b/d		1,20,000	31/12/15	By Dep a/c		40,000
				31/12/15	By bal c/d		80,000
			<u>1,20,000</u>				<u>1,20,000</u>
1/1/2016	To bal b/d		80,000	31/12/16	By Dep a/c		40,000
				31/12/16	By bal c/d		40,000
			<u>80,000</u>				<u>80,000</u>
1/1/2017	To bal b/d		40,000	31/12/17	By Dep a/c		40,000
							<u>40,000</u>
			<u>40,000</u>				

Problem 3:- With the given information, prepare Machinery a/c for the period of 4 years:

- (i) on 1/1/2014, purchased a machinery worth ₹ 1,00,000
 - (ii) The life of machinery is 5 yrs
 - (iii) on 1st April, 2016 bought another machinery worth ₹ 50,000
- company follows st. line method to calculate depreciation.

solution:

Depreciation for $M_1 = \frac{1,00,000}{5} = ₹ 20,000$

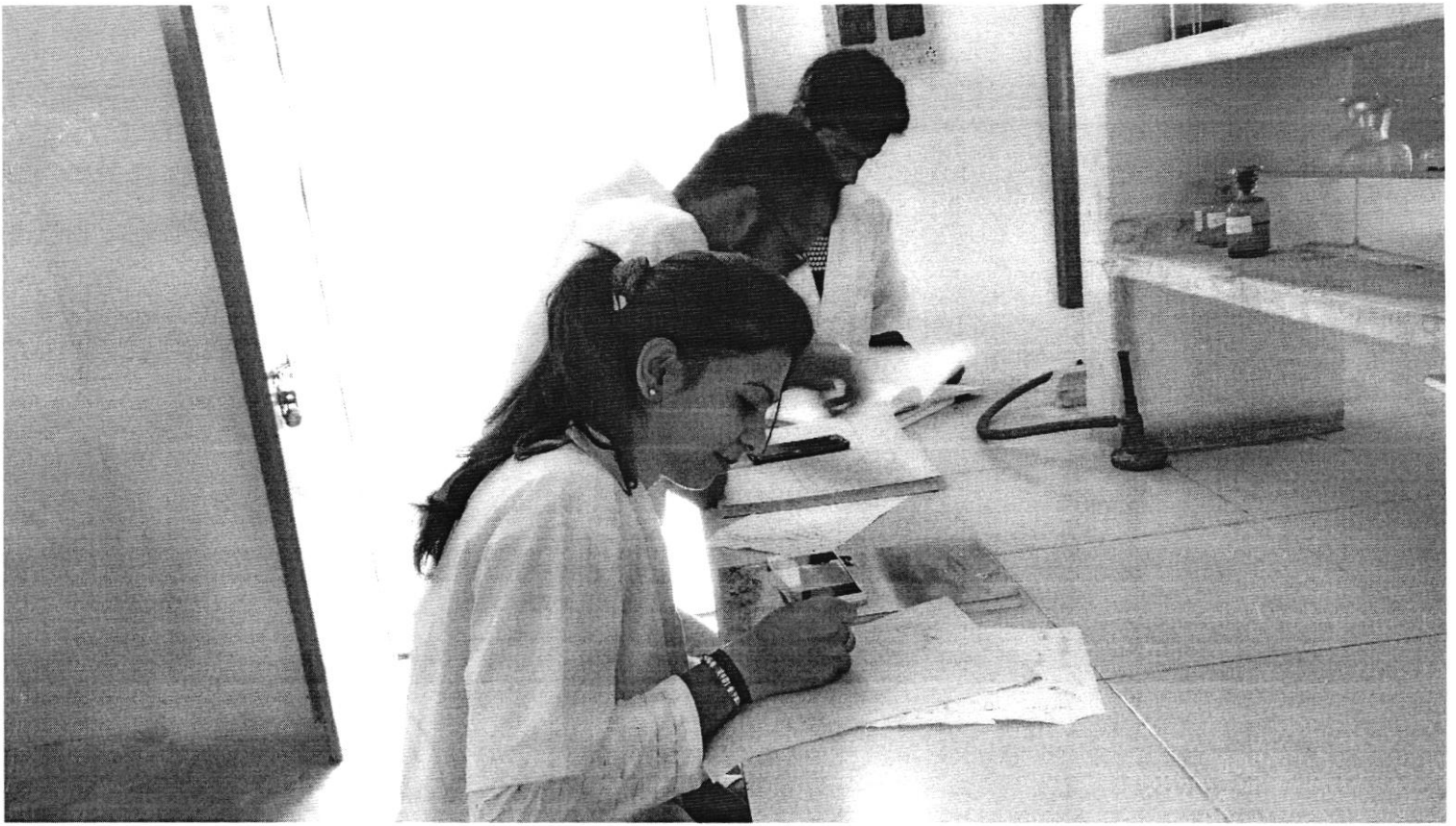
Depreciation of $M_2 = \frac{50,000}{5} = 10,000 \times \frac{9}{12}$ [from April to Dec 9 months]
 Total months

Dr Dep $\frac{50,000}{5} = 10,000$ p.a. = 7500 Machinery a/c Cr

Date	particulars	JF NO	Amt	Date	particulars	JF NO	Amt
1/1/14	To Bank a/c (M ₁)		1,00,000	31/12/14	By Dep a/c		20,000
				31/12/14	By bal c/d		80,000
			<u>1,00,000</u>				<u>1,00,000</u>
1/1/15	To bal b/d		80,000	31/12/15	By Dep a/c		20,000
					By bal c/d		60,000
			<u>80,000</u>				<u>80,000</u>
1/1/16	To bal b/d		60,000	31/12/16	By Dep a/c		27,500
1/4/16	To bank a/c (M ₂)		50,000		(M ₁ = 20,000)		
			<u>1,10,000</u>		(M ₂ = 7,500)		
					By bal c/d		82,500
					M ₁ = 40,000		
					(60,000 - 20,000)		
					M ₂ = 42,500		
					(50,000 - 7,500)		
			<u>1,10,000</u>				<u>1,10,000</u>
1/1/17	To bal b/d		82,500	31/12/17	By Dep a/c		30,000
	(M ₁ = 40,000 M ₂ = 42,500)				(M ₁ = 20,000 M ₂ = 7,500)		
					By bal c/d		52,500
					(M ₁ = 20,000 +)		
					(M ₂ = 32,500)		
			<u>82,500</u>	31/12/18	By dep a/c		82,500
1/1/18	To bal b/d		52,500		(M ₁ = 20,000 M ₂ = 10,000)		
	(M ₁ = 20,000 + M ₂ = 32,500)		<u>52,500</u>		By bal c/d		30,000
					(M ₂ = 22,500)		22,500
							<u>52,500</u>

V. Good

Good



Practical Sessions

Amey no

18. Story telling:

An open mic event 'Mann Ki Baat' on 13th February 2020. The event was a platform for talents like slam poetry, standup comedy, storytelling and shayari. The event witnessed participation from various departments of the college.



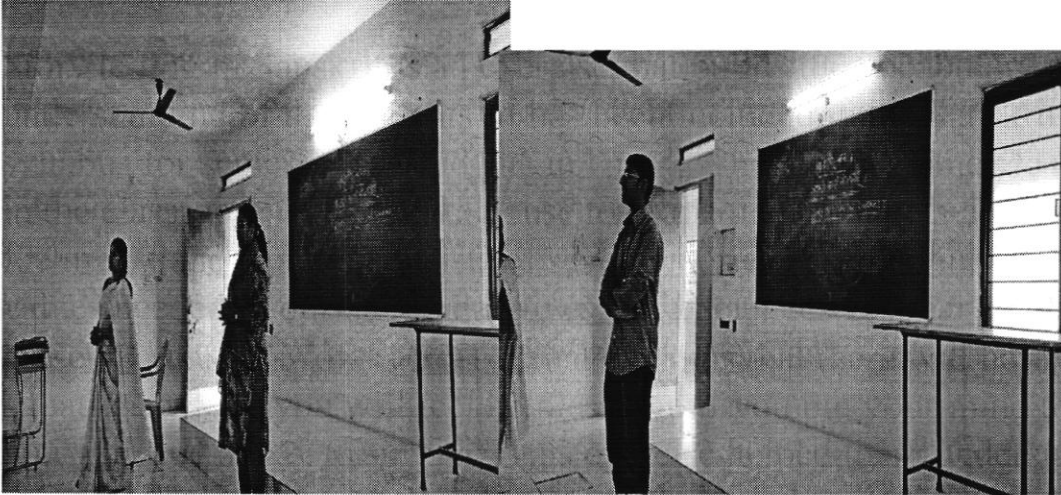


Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
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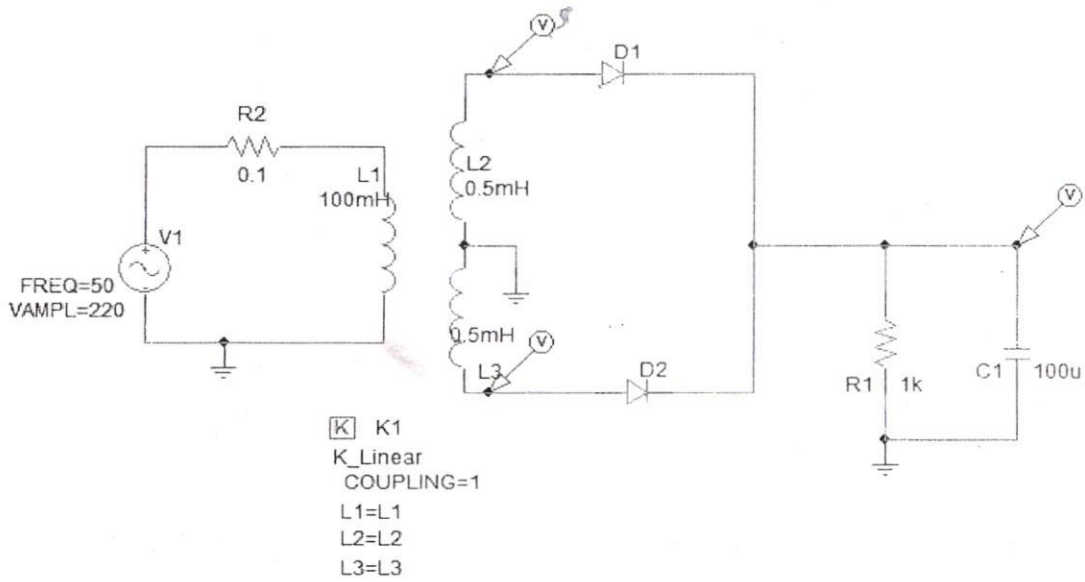
Department of Languages: Sanskrit
TLE Method: Story Telling in Sanskrit

Name of the Faculty: Mrs. P. Sarada
Prescribed text book: Saraswati Sushma 2
Semester IV – UNIT V- सम्भाषणसंस्कृतम्
Date- November 2019

Story telling in Sanskrit is an exercise that builds the vocabulary and understanding of the students. It has been included in the Sanskrit syllabus for semester IV students in Unit V. The language they learn in the classroom is the tool they use to shape their thoughts and feelings. Panchatantra consists of several stories based on moral values needed in our day to day lives. Life Sciences 2nd year students presented the story of “चतुरःकाकः” that explains that there will be situations where you will feel helpless, but if you put your mind to it, you will find a way to survive. This exercise helped them understand the moral behind it as well as be able to speak in Sanskrit.



Centre tap Fullwave rectifier with Shunt capacitor filter



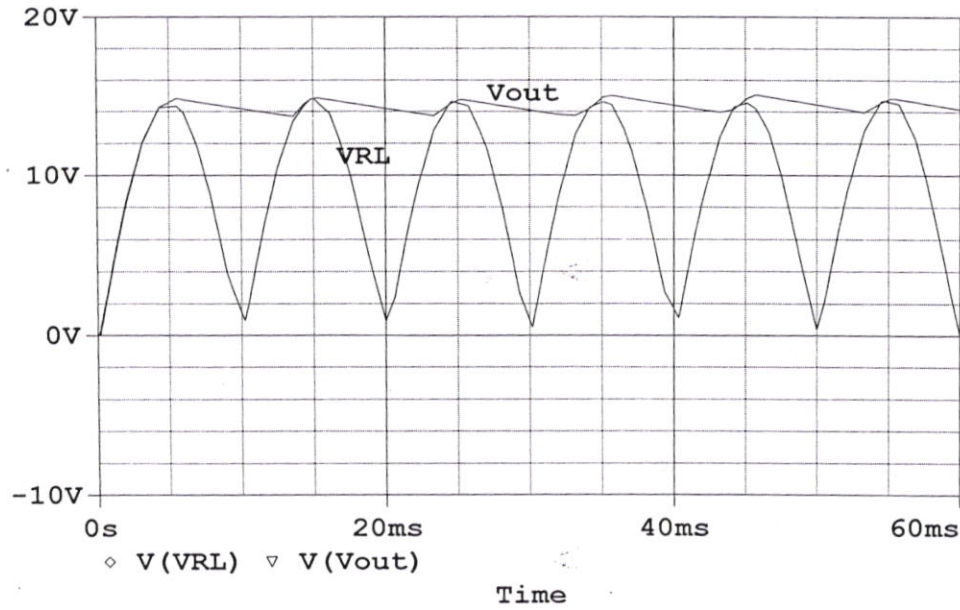
M...

Pravin

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan Vivekananda College
Sainikpuri, Secunderabad - 500 094.

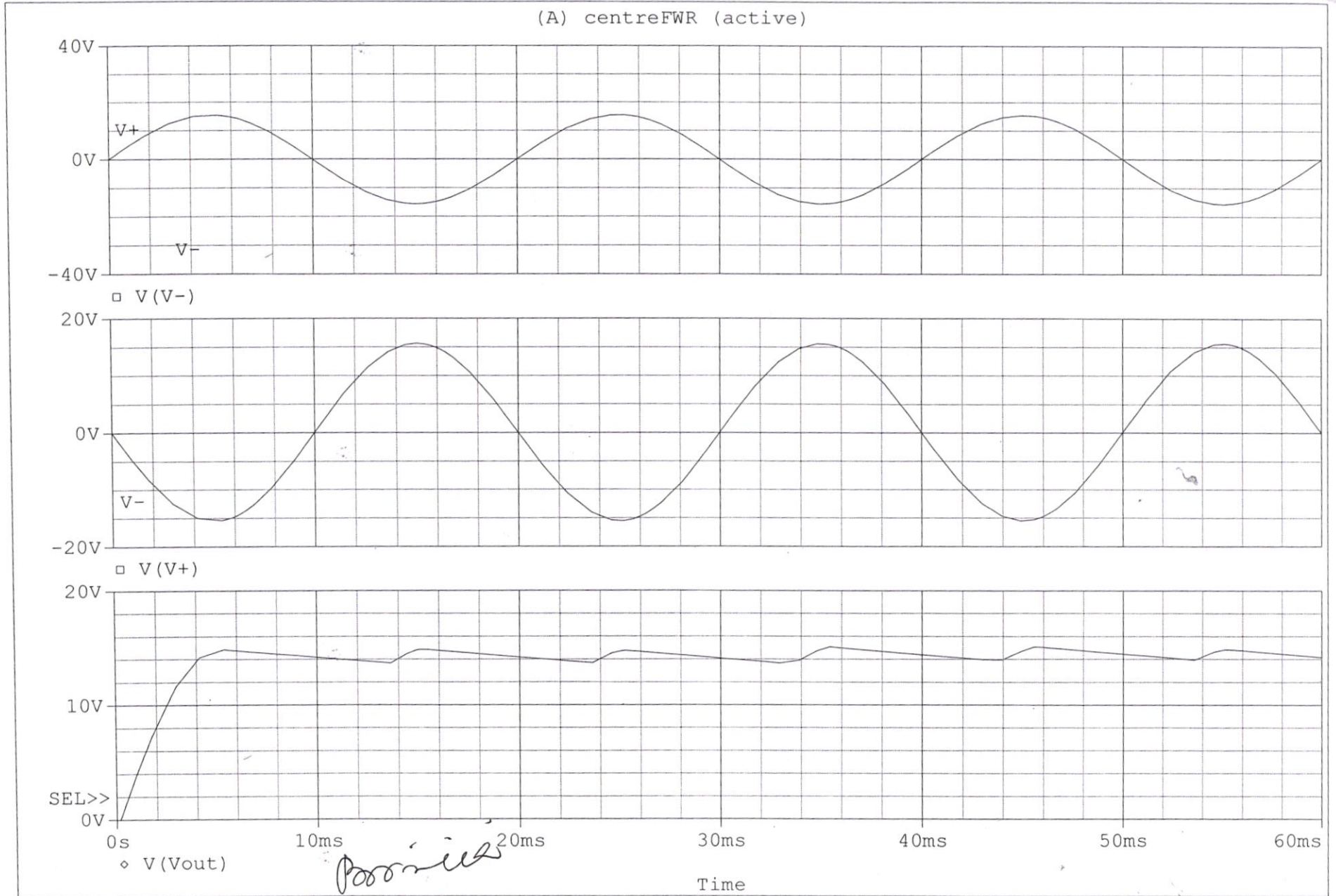
Fullwave Rectifier - shunt capacitor filter

Date: 1-8-18



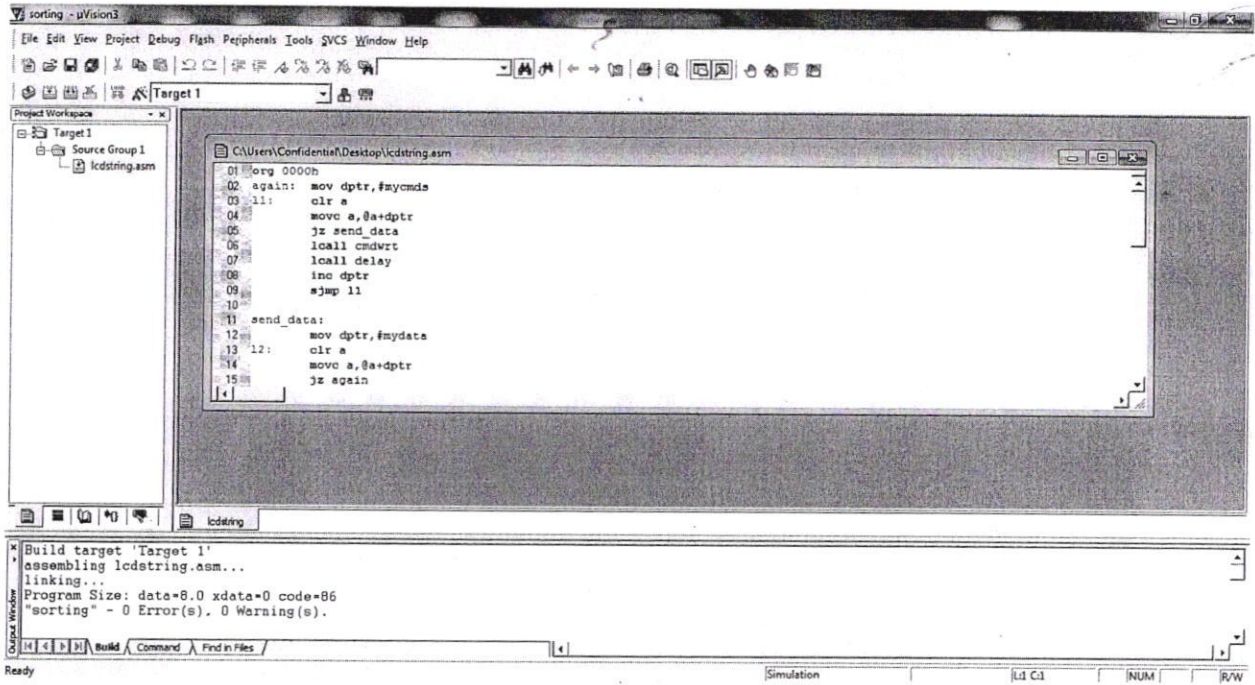
Phases

Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

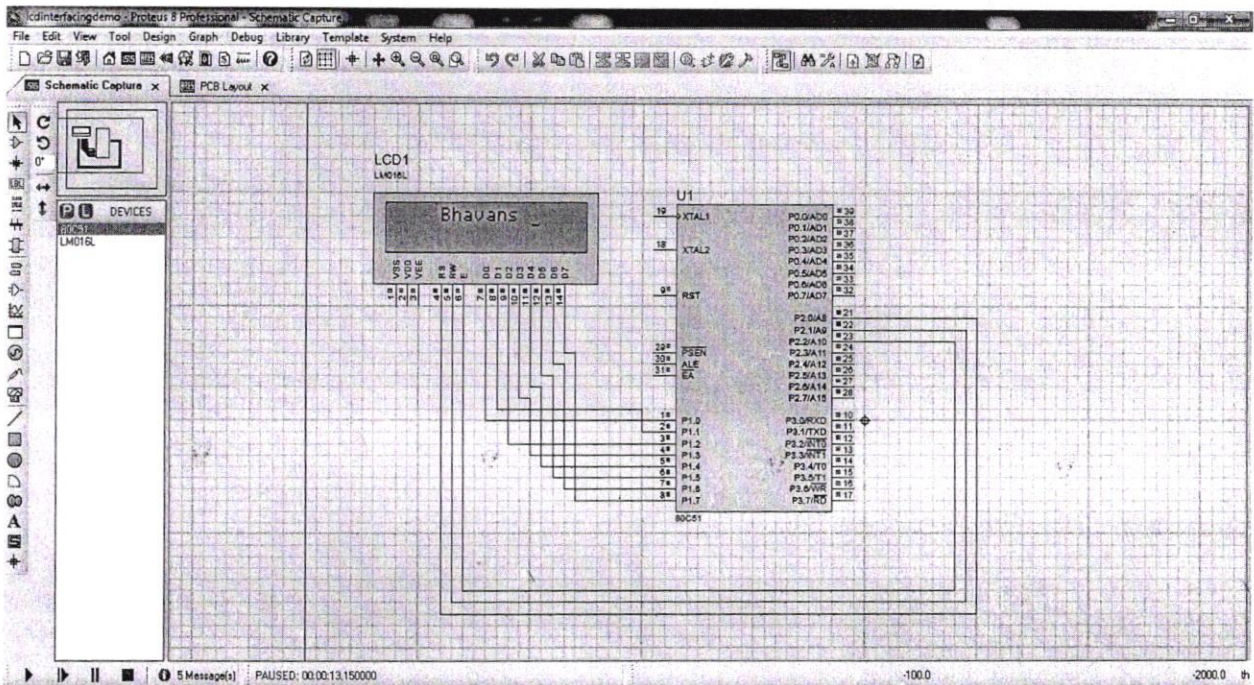


Simulation Based Learning

LCD interfacing to 8051 and displaying a string "BHAVANS" on LCD

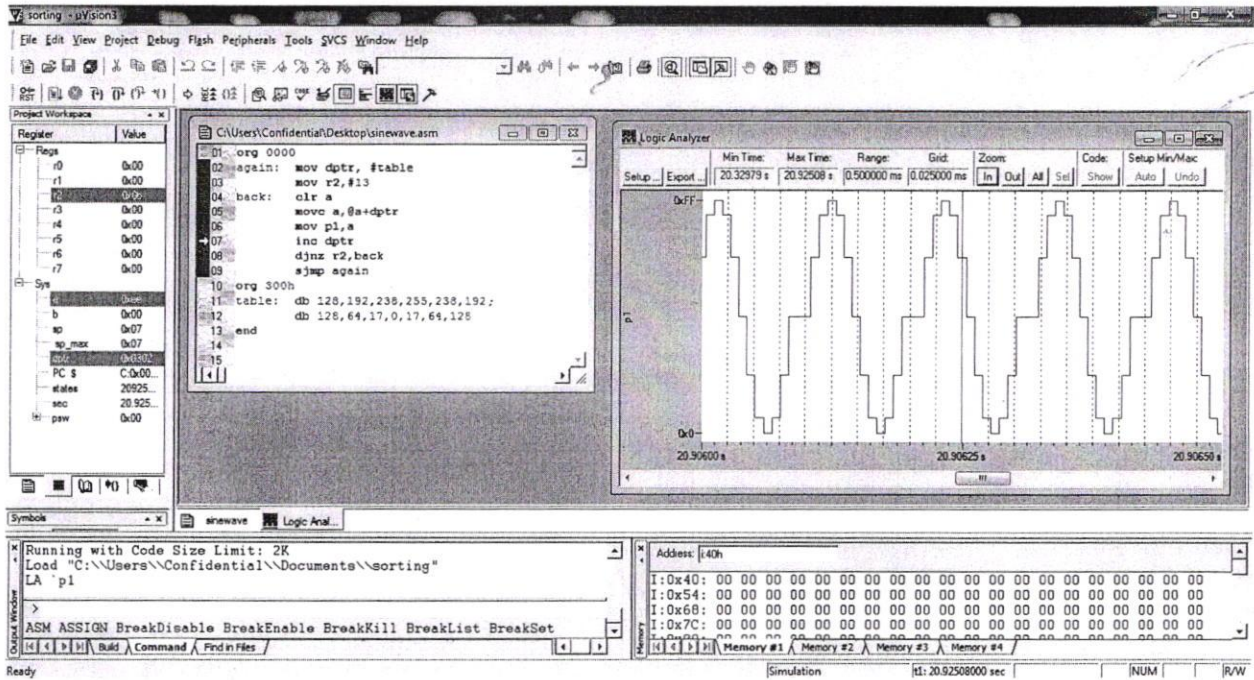


Proteus

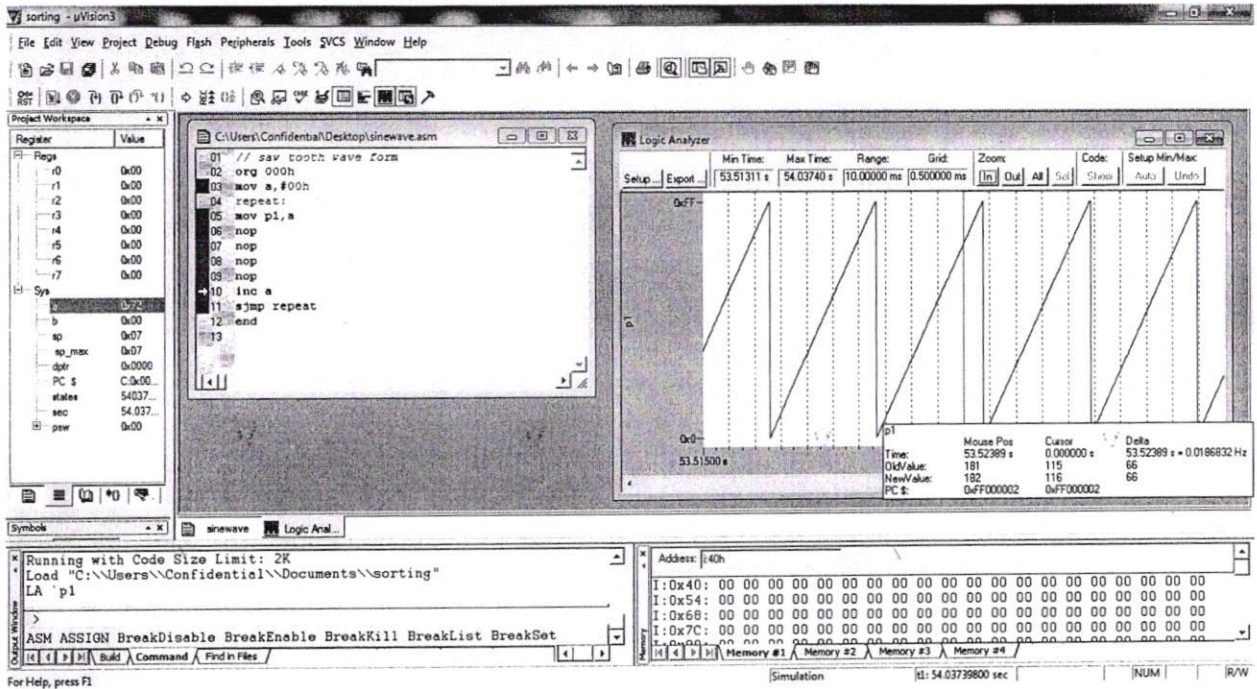


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Sine wave generation Programme



Saw tooth wave form generation programme



Boonilla
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 Department of Physics & Electronics
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 Sainikpuri, Secunderabad - 500 094.

Arranging the numbers in ascending order.

The screenshot shows the Keil uVision3 IDE with the following assembly code in the main window:

```

01: org 0000h
02: MOV R2, #01h
03: L4:
04: MOV R1, #40h
05: MOV R3, #05h
06: DEC R3
07: L3:
08: MOV A, @R1
09: INC R1
10: MOV B, @R1
11: CJNE A, B, L1
12: L1: JC L2
13: MOV R5, B
14: MOV @R1, A
15: DEC R1
16: MOV @R1, B
17: INC R1
18: INC R2
19: L2: DJNZ R3, L3
20: DJNZ R2, L4
21: HERE: SJMP HERE
22: END
    
```

The Register Window shows the following values:

Register	Value
R0	0x00
R1	0x41
R2	0x00
R3	0x00
R4	0x00
R5	0x41
R6	0x00
R7	0x00
SP	0x05
AP	0x05
AP_MAX	0x07
DPR	0x0000
PC	0x0000
STATUS	83406
SEC	83406
ISR	0x00

The Output Window shows the following message:

```

Running with Code Size Limit: 2K
Load "C:\Users\Confidential\Documents\sorting"
ASM ASSIGN BreakDisable BreakEnable BreakKill BreakList BreakSet
    
```

The Status Bar shows: Simulation | 83.40650700 sec | L22 C1 | NUM | R/W

ASCII to BCD Conversion

The screenshot shows the Keil uVision3 IDE with the following assembly code in the main window:

```

// ASCII to BCD code
org 0000h
mov r0, #55h
mov @r0, #'4'
inc r0
mov @r0, #'7'
dec r0
mov a, @r0
anl a, #0fh
swap a
mov r1, a
inc r0
mov a, @r0
anl a, #0fh
orl a, r1
inc r0
mov @r0, a
here: sjmp here
end
    
```

The Project Workspace shows the following structure:

- Target 1
 - Source Group 1
 - order.asm

The Output Window shows the following message:

```

Build target 'Target 1'
assembling order.asm...
linking...
Program Size: data=8.0 xdata=0 code=30
"sorting" - 0 Error(s), 0 Warning(s).
    
```

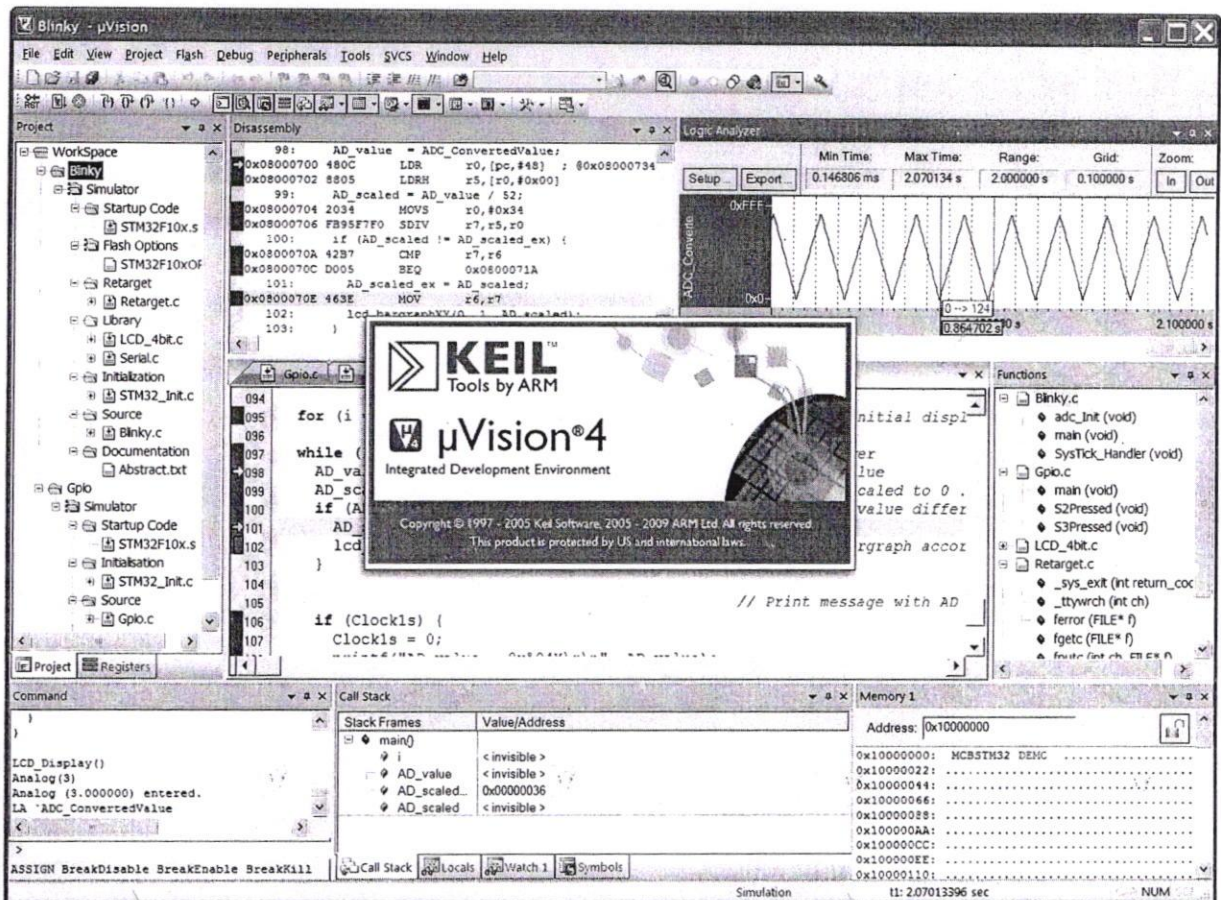
The Status Bar shows: Simulation | 83.40650700 sec | L20 C1 | NUM | R/W

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 Head of the Department
 Department of Physics & Electronics
 Maratiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.



Getting Started

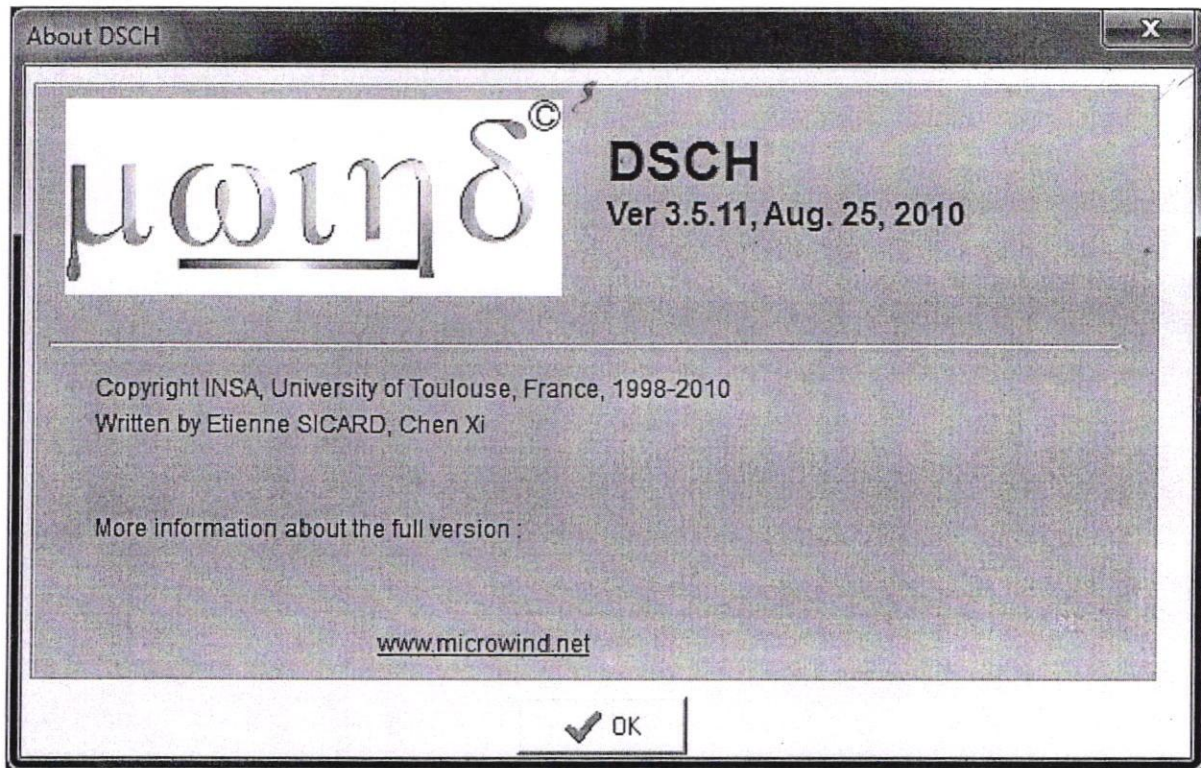
Creating Applications with μ Vision[®]4



For 8-bit, 16-bit, and 32-bit Microcontrollers

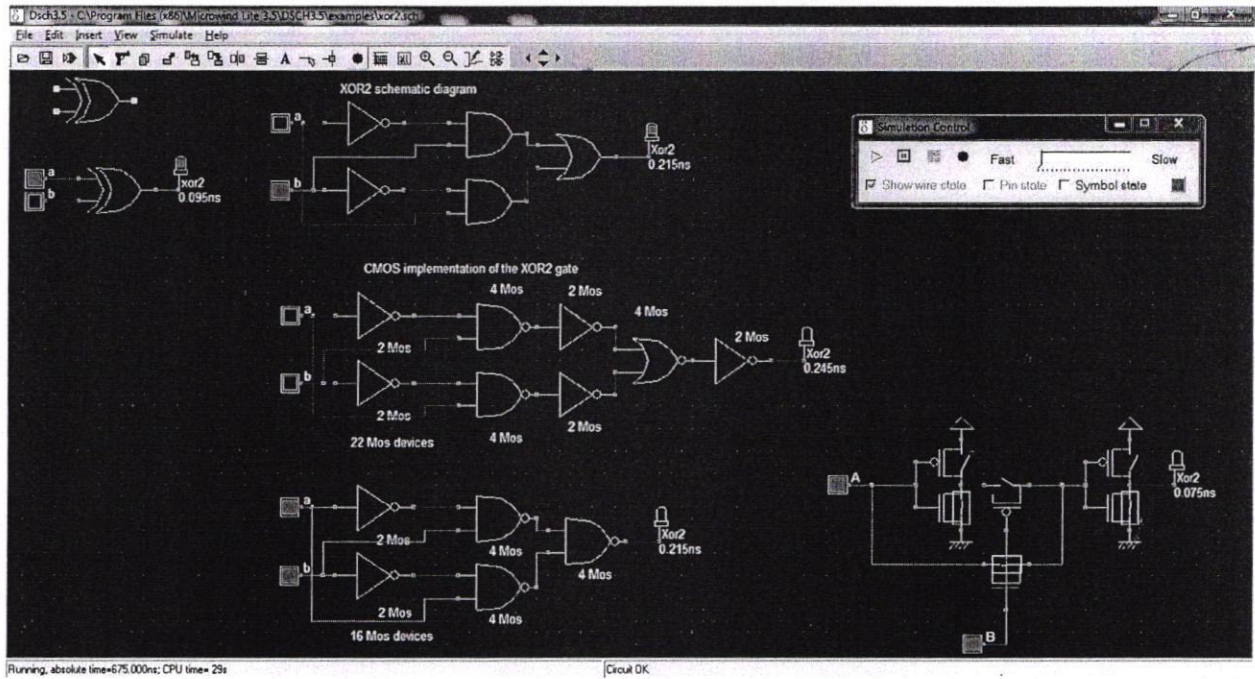
www.keil.com

Poojitha
Head of the Department
Department of Physics & Electronics
Vivekananda College

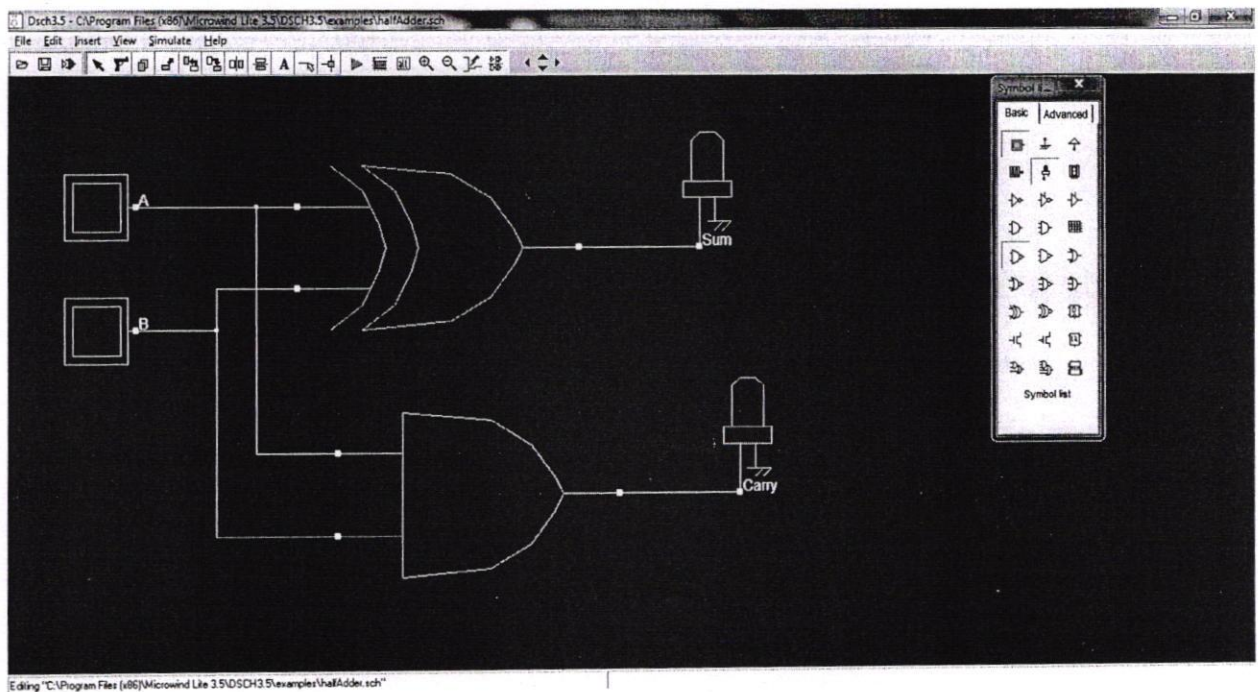


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EXOR truth table verification using MICROWIND



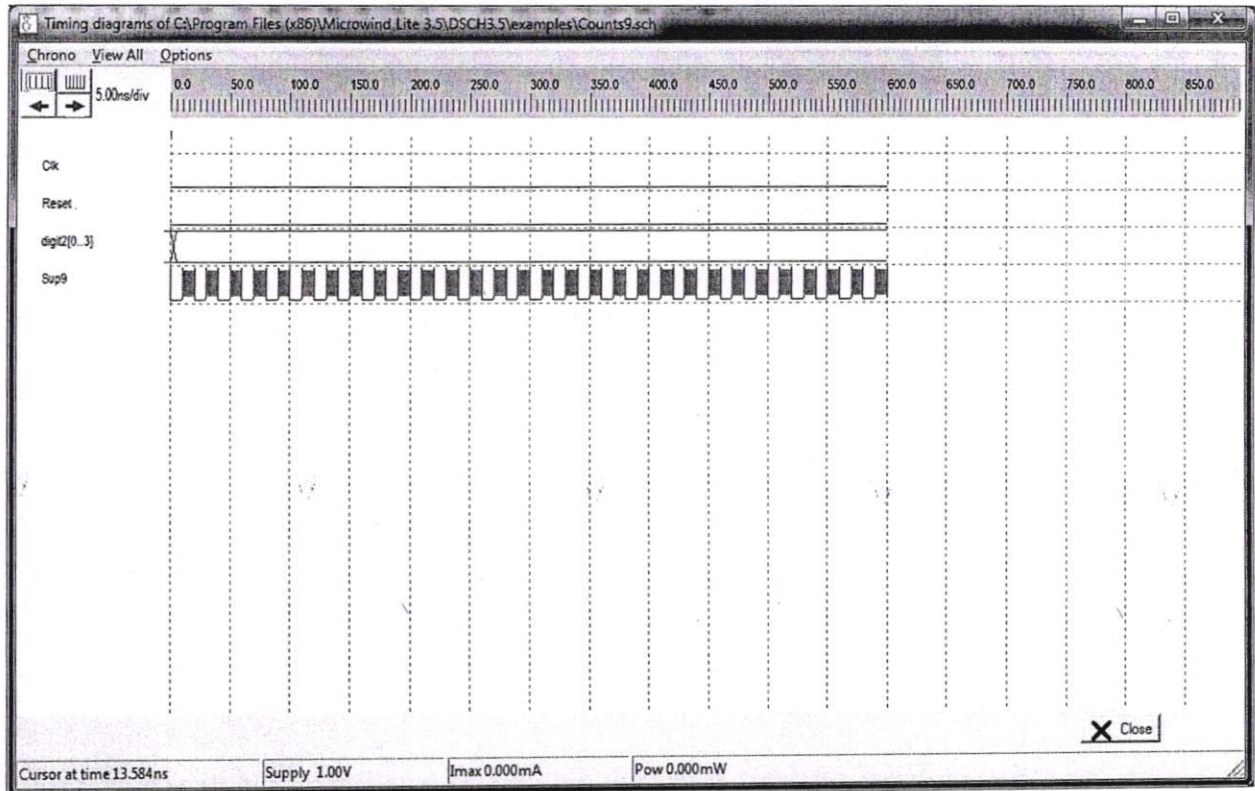
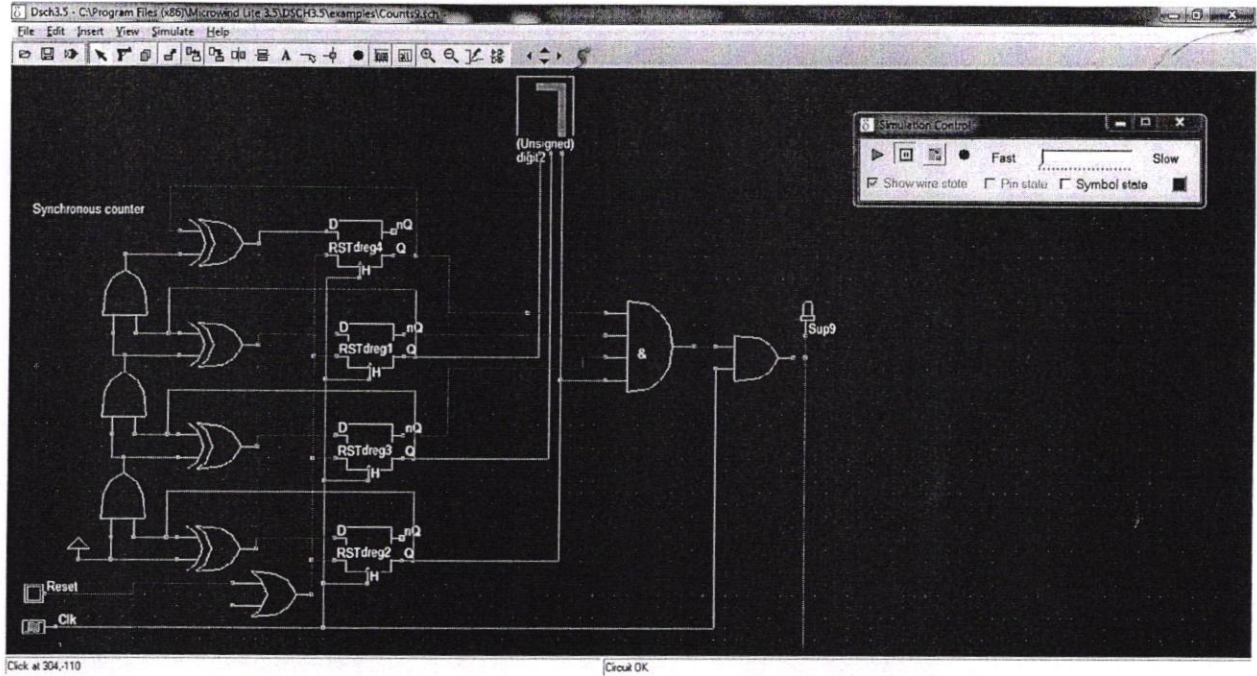
Half adder implementation using MICROWIND Lite



Lawrence

Posinid
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan - Vivekananda College
Sainikpuri, Secunderabad - 500 094.

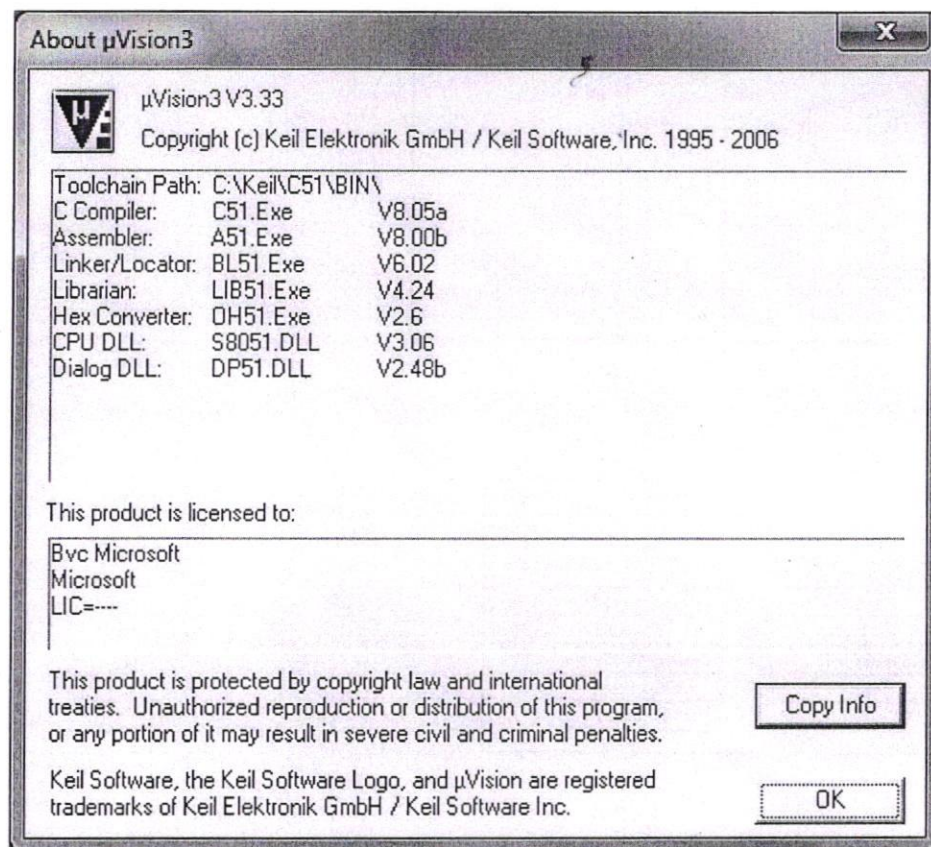
Mod 10 Counter in MICROWIND



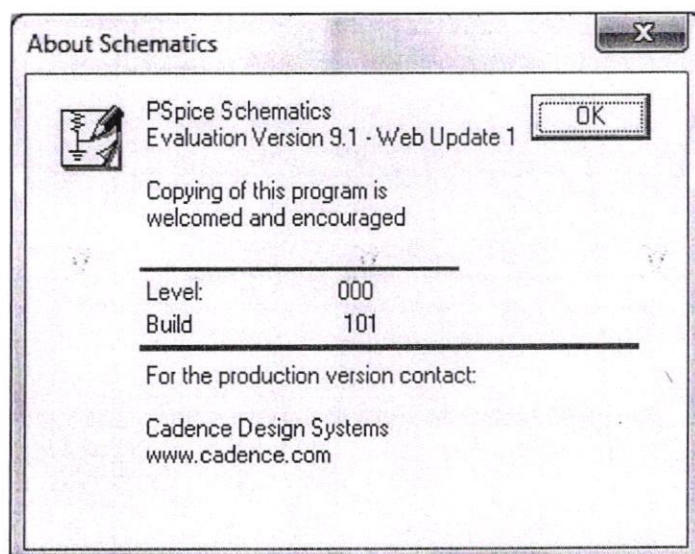
Lavanya

Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Simulation Based Learning

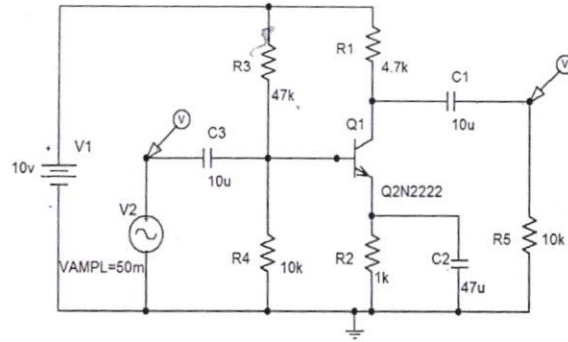


Simulation of a simple network in Pspice

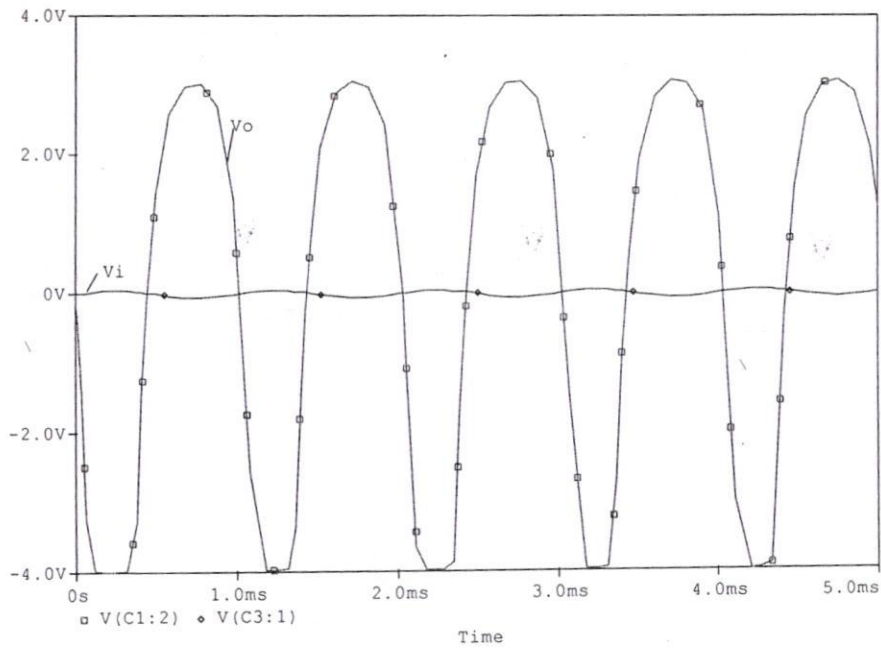


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Department of Physics & Electronics
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Sainikpuri, Secunderabad - 500 094.

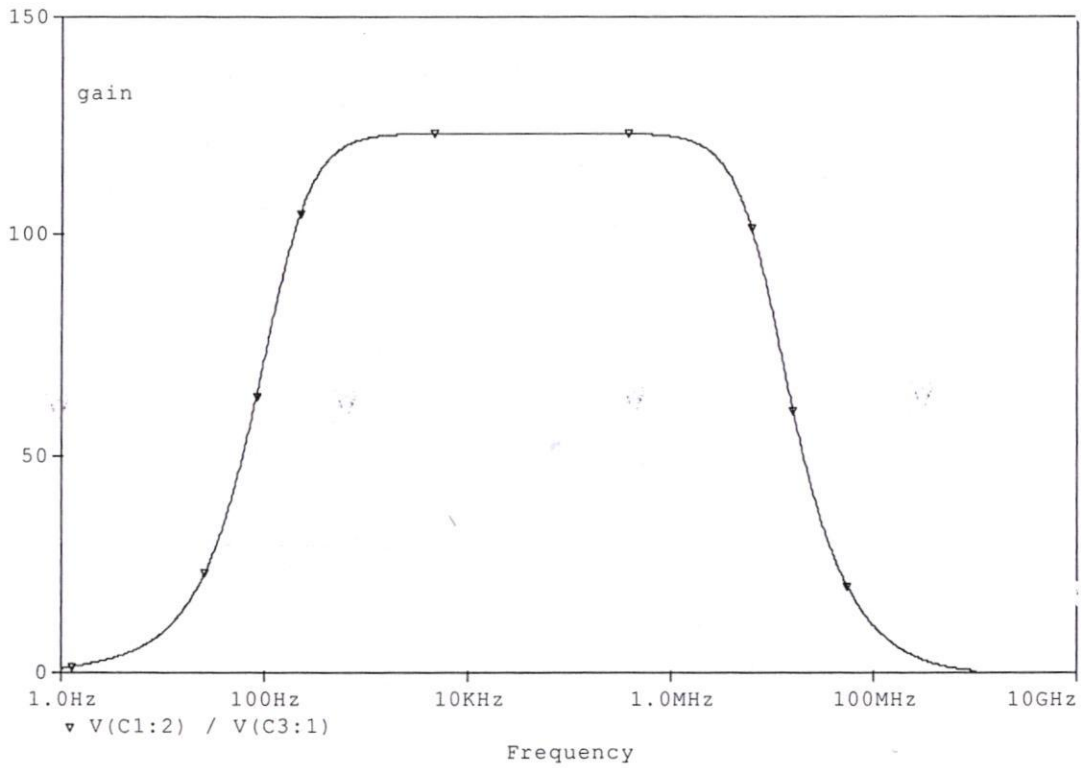
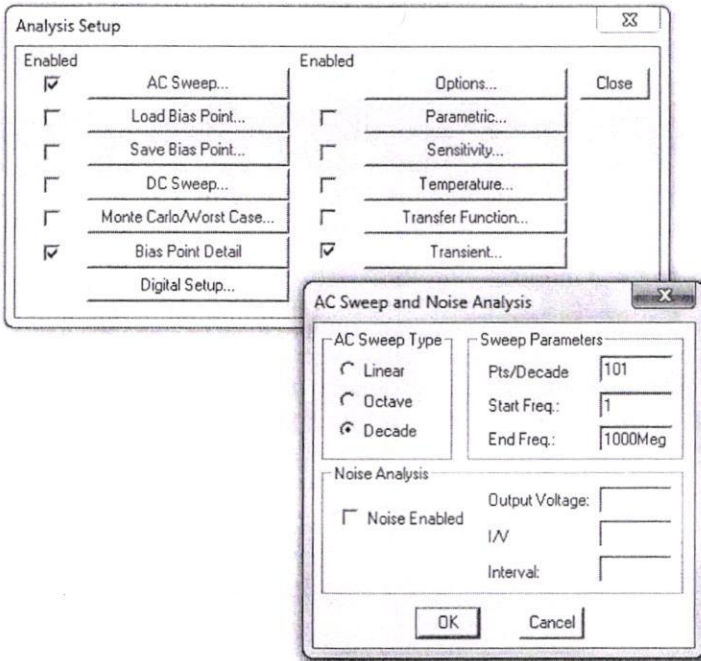
RC COUPLED AMPLIFIER



Transient response



Frequency response



Frequency

BKUEmlubent
2018-19/17-20
T.B.

Skill Enhance Course

Requirement for Establishment of an Educational Institution

Practical Activity:

Students understand the procedure to establish a society under the Societies Registration Act, 1860 and the law governs in formation of a society.

Step-1 Students conducts meeting of the General Body to create a society.

Step-2 Students decide the memorandum of the society.

Step-3 Students decide the aims and objects of the society.

Step-4 Students decide the Bye-laws of the society.

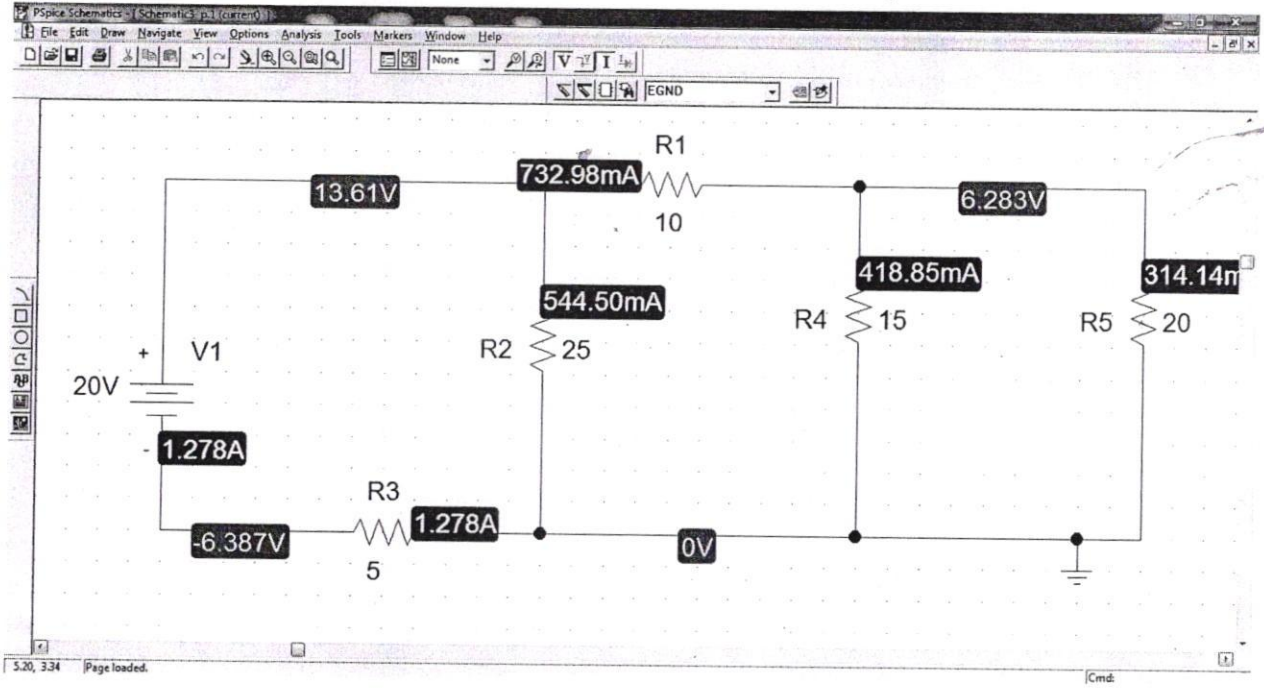
Step-5 Students draft the Resolutions of the society.

Students in Meeting on 21-12-2019

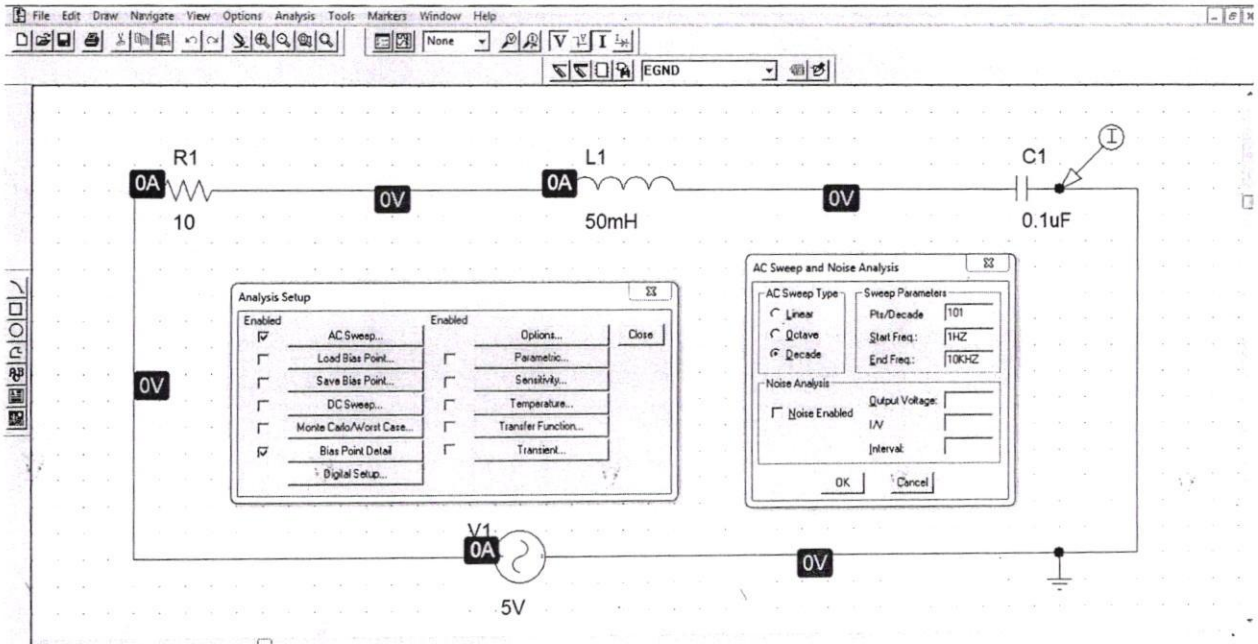


Video Link shows the meetings of the students for establishment of society.

https://drive.google.com/file/d/14U1bD22qGKh_S3z8hAHJpVWIC-I6R4pD/view?usp=sharing



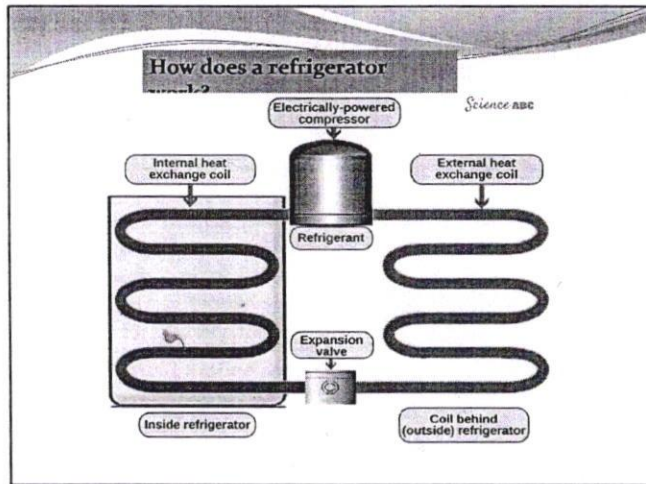
Simulation of an RLC series resonance circuit using Pspice



[Handwritten signature]

Pravin
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhawan, Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

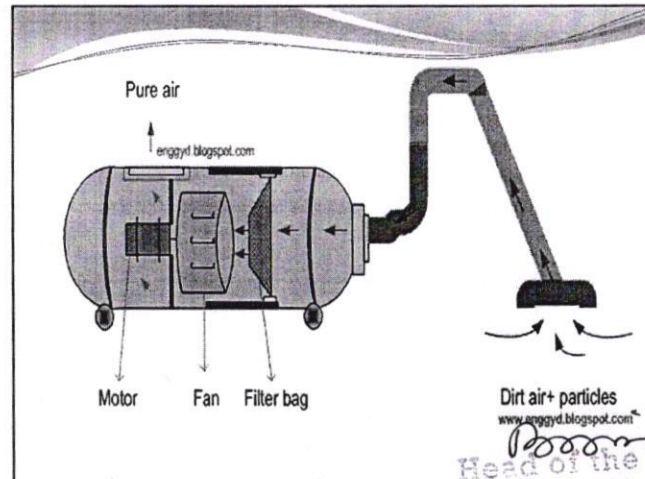
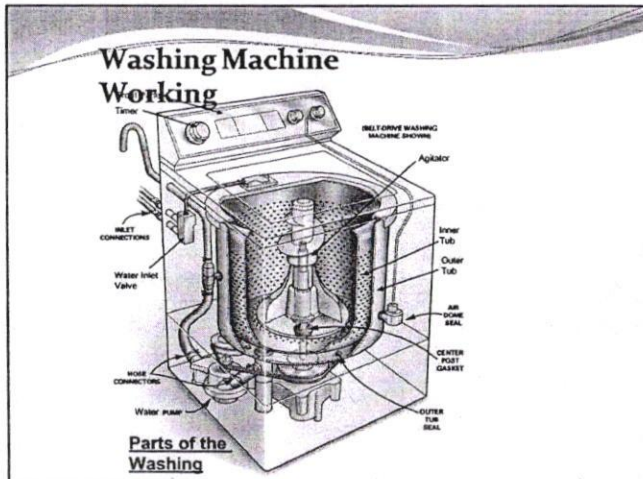
Skill Enhancement Course -- Consumer electronics
 under this course students are made to understand working principles of
 various consumer electronic devices ...



Condense

The diagram shows a rectangular coil of tubes with many thin, vertical external fins attached to it.

- > The condenser consists of a coiled set of tubes with external fins and is located at the rear of the refrigerator.
- > As the heat of the refrigerant is removed, its temperature drops to condensation temperature, and it changes its state from vapor to liquid.



Compress

● The compressor consists of a motor that 'sucks in' the refrigerant from the evaporator and compresses it in a cylinder to make a hot, high-pressure gas.

The photograph shows a black cylindrical compressor unit with various wires and hoses connected to it.

SKILL ENHANCEMENT COURSES...

Lavanya

Head of the Department
 Department of Physics & Electronics
 Shri. M. V. Chavhan Vivananda College
 Bangalore - 560 094.

Skill Enhancement Course -- Consumer electronics

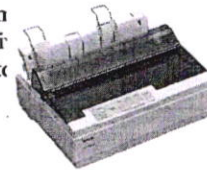
Inkjet Printers

- Inkjet printers are most popular printers for home and small scale offices as they have a reasonable cost and a good quality
- Print head – It is the heart of the printer which holds a series of nozzles which sprays the ink drops over the paper.
- Ink cartridge – It is the part that contains the ink for printing. Generally monochrome (black & white) printers contain a black colored ink cartridge. Color printer contains two cartridges – one for black and other with primary colors

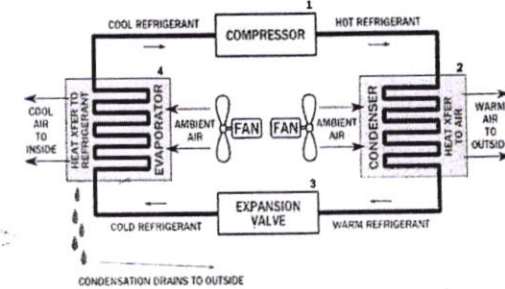


Dot Matrix Printers

- It prints text and graphics on the paper by using tiny dots to form the desired shapes
- It uses an array of metal pins known as print head to strike an inked printer ribbon and produce dots on the paper. These combinations of dots form the desired shape on the paper
- The key component in the dot matrix printer is the 'print head'. The print head is driven by hammers which force each pin to strike the paper at the certain time



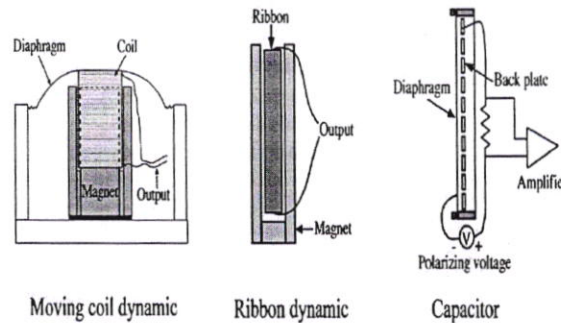
BLOCK DIAGRAM OF AC



vacuum cleaners

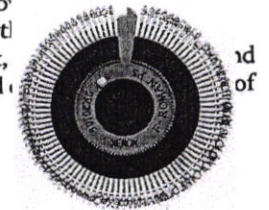
- The humble vacuum cleaner is one of the handiest household cleaning appliances used today
- Its simple yet effective design has done away with having to clean dust and other small particles off surfaces by hand, and turned house cleaning into a more efficient and fairly rapid job.

MICROPHONE



Daisy Wheel Printers

- Daisy wheel printers print only characters and symbols and cannot print graphics. They are generally slow with a printing speed of about 10 to 75 characters per second, the daisy wheel printers are now obsolete.
- A circular printing element known as the daisy wheel printer is shown in the below image. It contains all text, symbols moulded on each petal of a circle



Boornell
Head of the Department

Department of Physics & Electronics
Bharatiya Vidya Shastra's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Javaneer

16th Jan 2019

To
M. Bhaskar Rao
Manger-Operations
Maxi Vision
Super Specialty Eye Hospitals
Dr. AS Rao Nagar
Hyderabad. 500062

Sir,


Sub: Visit to Maxi vision Hospital

Students of Undergraduate B.Sc. and B, Com. Courses are interested in visiting your Hospital. The purpose of the visit is to inculcate interest among the students and developing a deeper insight in the vision related aspects by providing them an exposure to the rectifying mechanisms used for correcting the various eye defects.

A group of 30 students of B.Sc. and B.Com, accompanied by one faculty member would like to visit the Hospital. We request you to permit the students. We look forward for your positive response.

Thanking you

Yours truly


(Prof. Y. Ashok)

(Dr. Y. ASHOK)
PRINCIPAL

Bhavan's Vivekananda College of Science
Humanities & Commerce
Sainikpuri, R.R. (Dist.)

No#	Name	Class	Signature
1	Naina	BTGC	
2	S. Sandeep Kumar	BTGC	
3	Akhil Inti	M.Bi.C	
4	Abubakar Drammeh	M.Bi.C	
5	Chaitanya Kiran Ramula	M.Bi.C	
6	Ansata Bah	M.Bi.C	
7	Abdul Sami	B.Com (Reg)	
8	S.K. Rohan	B.Com (Reg)	
9	P. Kalyan Raj	B.Com (Reg)	
10	Ponnada Venkata Raghava Phani Aditya	B.Com (Reg)	
11	Anshul Gaigal	B.Com (Comp)	
12	P.V. Shiva Prasad	B.Com (Comp)	
13	B. Naveen Abhilash	M.Bi.C	
14	B. Reshwanth	M.Bi.C	
15	G. Sachin	M.Bi.C	
16	G. Sai Krishna	MiGC	
17	Y.V. Ralnam	MiGC	
18	Kuldeep	MiGC	
19	G. Dinya Aparna	M.Bi.C	
20	Y.K. Vandana	M.Bi.C	
21	Yashashree	M.Bi.C	

- 24) V. Ranya
- 25) P. Sumanth.
- 26) Sai Prasad. B
- 27) Sai Varun
- 28) Santhosh Kumar
- 29) Parikshit Yadav
- 30) Pranav Kumar
- 31) Sai Kumar

- B.Com [Comp]
- B.Com [Comp]
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)
- B. Com (Reg)

- E. Ashmitha
- V. Ranya
- [Signature]
- Sai Prasad. Ba
- Varun. Varu
- [Signature]
- [Signature]
- [Signature]
- [Signature]

Poojitha
 Head of the Department
 Department of Physics & Electronics
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Bhavan's Vivekananda College

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Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
2. Name of the Department if the programme is conducted inside the college: CHEMISTRY
3. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Value Added Certificate Course from IIP,Hyderabad for BSc Under Graduate students
4. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation
Course/Others:Biodegradable Packaging

In case of Seminar:(Tick the correct option)

- | | |
|---------------------------------|---------------------------------------|
| <input type="radio"/> National | <input type="radio"/> - International |
| <input type="radio"/> Presented | <input type="radio"/> - Participated |

If Presented, enclose the Title of the presentation:

-
5. Date of the event: 7th Feb 2020 (for training & practical session at IIP, Hyderabad)
 6. Place of the event: Indian Institute of Packaging (IIP) Hyderabad &
Dept of Chemistry, BVC
 7. Name(s)of the Resource person(s):
Dr Gaurav Madhu, Deputy Director, Indian Institute of Packaging, Hyderabad &
Dr Madhumita Bhattacharjee, Head, Dept of Chemistry,BVC.

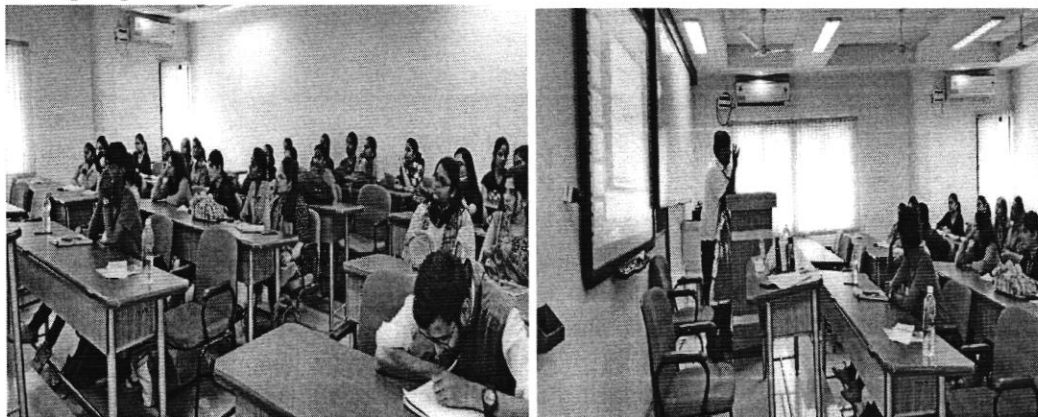
Description of the Event: (within 500 words with 3 relevant pictures)

Dept of Chemistry,BVC under **DBT STAR College scheme** ,organized a value added certificate course for BSc Under Graduate students on '**Biodegradable Packaging**' from *Indian Institute of Packaging (IIP)*.

No of Beneficiaries: 20 students from UG BSc Life science.

Duration of the course :34 hours.

Resource persons for the course :Dr Gaurav Madhu, Deputy Director, IIP,Hyderabad & Dr Madhumita Bhattacharjee, Head, Dept of Chemistry,BVC.Students along with a faculty from Dept of Chemistry Ms Prerana Loomba visited IIP on 7th Feb 2020 for training & practical session.



Kindly enclose the scanned copies of the brochure, certificate, report and photographs and send to bvcreports@gmail.com



Bhavan's Vivekananda College
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Department of Languages: Sanskrit

Value Added Course: Spoken Sanskrit

Name of the Faculty: Ms.K.Meena Rani, Dr.Y.Suresh, and Ms.P.Sharada

Department of Languages has offered a short term certificate course in Sanskrit from December 2019 to March 2020 by the Sanskrit faculty:Ms.K.Meena Rani, Dr.Y.Suresh and Ms.P.Sarada of the same department. It was conducted after the college hours during the semester for the academic year 2019-20.Twenty three students have enrolled for the mentioned course. The 30 hours of systematic classes served as an effective platform to the students to understand basic concepts in Sanskrit. The students were introduced to speaking and writing skills in Sanskrit through this course, with this they would be able to stand apart from the rest in the college. The course also adds value to their resume.

Bhavan's Vivekananda College
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Department of Languages
Offers
Certificate Courses in

► Spoken Sanskrit ► French ► Calligraphy

Details of the Course:
Duration - 30 Hours
Start - 1st December 2019
End - December 31, 2019
Time - 5:30 pm - 8:30 pm, 4, 20-5, 20-20
Fee - Students Faculty,
Secunderabad & professionals

For further information contact:
► Calligraphy - Dr. C. Kamarwati- 9381134408
► French - Ms. Manali Bose - 9392416542
► Sanskrit - Dr. Y. Suresh- 9866784917

Note: Certificates will be given to the participants on the successful completion of the course.



**Bhavan's Vivekananda College
of Science, Humanities & Commerce
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Department of Languages

Value added course : Certificate Course in French

Name of the faculty: Mrs. Manali Bose, Assistant professor, French.

A beginners' course in French was offered as a Certificate course. A1.1 (according to Common European Framework of Reference, CEFR, for Languages) from 5th December 2019 with a batch of 18 registered students. The 30 hours course was conducted twice a week and it was completed on 2nd March 2020. The students achieved to learn the basic grammatical components of A1. 1 level. They appeared for a written and oral evaluation process. The students could give their self presentations and converse in basic French

Department of Languages
Offers
Certificate Courses in
▶ Spoken Sanskrit ▶ French ▶ Calligraphy

Book Office Contact
Duration : 30 Days
From : 1st December 2019
On : Thursdays & Fridays
Time : 3.30pm to 4.30pm
Fee : Students, Faculty
Institution & professionals

▶ For further information contact:
▶ Calligraphy - Dr. C. Komarapudi 9391136608
▶ French - Ms. Manali Bose : 9392416162
▶ Sanskrit - Dr. Y. Suresh 9844784917

Note: Certificates will be given to the participants on the successful completion of the course.

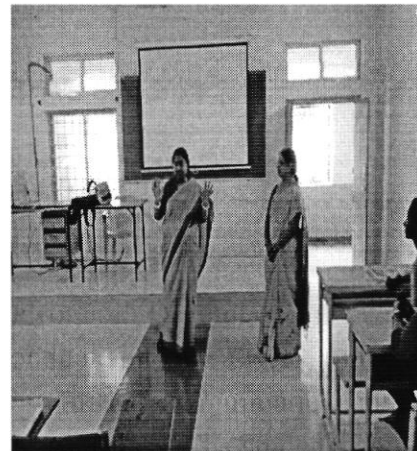
NOTICE

Department of Languages is starting certificate courses in the college from this onwards in Spoken Sanskrit, French and Calligraphy for students, faculty, businessmen and professionals. The duration of each course will be 30 hours and will be conducted on Thursdays and Fridays from the 1st of December 2019.

The details of the above mentioned courses are as follows:

S.No.	Course	Fee	Time	Days	Instructor
1	Calligraphy	Rs.1000/- per	3.30pm - 4.30pm 4.30pm - 5.30pm	Thursdays Fridays	Dr. C. Komarapudi Ms. Swathitha Jaga
2	Spoken Sanskrit	Rs.1000/- per	3.30pm - 4.30pm 4.30pm - 5.30pm	Thursdays Fridays	Dr. Y. Suresh Ms. P. Sarada
3	French	Rs.2000/- per	3.30 - 4.45pm	Thursdays Fridays	Ms. Manali Bose

For further details, contact lecturers from the Department of Languages, Room no. 8



22. Workshops:

A film making workshop was conducted on 21st January, 2019, by the head of the Mass Communication department Mr Shiva Thrishul where noted film maker Mr Farahatullah Beig was the speaker. Mr Beig started the workshop with an interactive session with the students on basics of photography, storytelling and their relevance in film making. He shared with the students various theories of film making, his practical experiences in the industry and his experience as a student of Film studies. Mr Beig also spoke at length about the different aspects and elements of film making including writing, directing and acting. The workshop concluded with a practical session where the students joined Mr Beig for a short shooting session dealing with camerawork, storytelling and direction.



2019-20

Department of Microbiology

Report on Mushroom cultivation workshop

Department of Microbiology in collaboration with S Mushroom Agri tech, Kukatpally organized a two day workshop on Mushroom cultivation for B.Sc (MGC, MBiC, BtGC) final year students on 19th& 20th Dec, 2019. Mrs.S.Chaitanya kumari and Dr.Narayan rao accompanied 20 students for the two day workshop under skill enhancement program.

On 19th morning, Dr.K. Prasuna, CEO of 'S' Mushroom cultivation briefed on her experience as entrepreneur and on Significance of Mushroom cultivation and methods involved. Day started with the basic knowledge on stages in Mushroom growth, environmental factors influencing their growth, farm design. After basic knowledge, hands on exposure is given to students in preparation of Bed for Milky Mushrooms, Oyster, Paddy straw and Button Mushroom, sterilization of raw materials and spawn preparation and Layer spawning etc.

Second day, Hands on training was given to students in mushroom harvesting, processing and storage. Budget for starting mushroom cultivation as small scale industry was also discussed. This workshop had provoked entrepreneurial skills and motivated students to think about start ups in this area. Different products of Mushroom like –Biscuits, noodles, pickles, Soup powder, dried and fresh mushroom were exhibited in the workshop. After successful completion of the programme, students were given with certificates.



2019-20

"Exploring Microbial Diversity Hands on training workshop"

DEPARTMENT OF MICROBIOLOGY Hands on workshop on Exploring Microbial Diversity Hands on training workshop on "Exploring Microbial diversity" was organised from 16" to 21 September 2019. The workshop is organised for students of 2-year Undergraduate students in Microbiology in collaboration with Dr. Reddy's Institute of Life sciences (DRILLS), HCU under DBT star college scheme. Total 30 students from both the programs of MGC and MBiC were enrolled in the workshop. Dr.K.Anuradha, Dr.J.Sarada, Mrs.S.Anju, Dr.Y.Aparna, Dr.S.Shalini Devi were resource persons for the workshop. Dr. Anil Kumar Challa, Adjunct Professor from UAB university, USA was the resource person for Bioinformatics module. The students learnt different microbiological and molecular techniques like Screening of bacteria from various samples like Milk, Spoiled fruits and vegetables, Cow dung, Soil sample from lake side etc. The isolated colonies are subjected to colony PCR and Agarose gel electrophoresis for identification of DNA. They also learnt RFLP digestion followed by its analysis using Bioinformatics tool. An online Zoom conference an interactive session with Dr. Anil Kumar Challa on Bioinformatics components was organised.

The workshop was successful as all the students took active participation and also had good hands-on training individually.



2018-19

Animal Cell Culture Workshop, CFRD

Bhavans Vivekananda college in association with Central Facilities for Research and Development (CFRD) organized three days workshop on Animal Cell Culturing. The workshop was held from 29th to 31st August 2018.

Day 1

The morning session started with Mr Anil and Mrs Sumathi presentation on types of cell lines and various aspects of cell culturing methods. Cell culturing process is carried at controlled conditions in vitro. Students were briefed about the media used, sterilization methods and the equipment required for cell culturing.



After presentations, students were taken to the culturing labs where they were given the protocols for three experiments,

- Reviving the cells
- Counting the cells in haemocytometer
- Subculturing the cells

Students were divided into three groups, Mr. Anil and Dr. Sumathi explained them the process of reviving the cells and counting the cells. Reviving is the process of making the cells active which have been in G₀ phase. Medium used for reviving the cells were RPMI

1640. The revived cells were viewed under inverted microscope and counted using Haemocytometer. Dr. Nabeel explained us about the subculturing process. Subculturing is the process by which the grown cells are taken into new hyper flask, it is also called passaging. Two Medias were used, plane media and complete media, plane media is for washing the dead cells and complete media which contain foetal calf serum used for growing the cells. After adding complete media the cells were transferred to new hyper flask.



Fig. Protocol for subculturing



Fig. Process of reviving

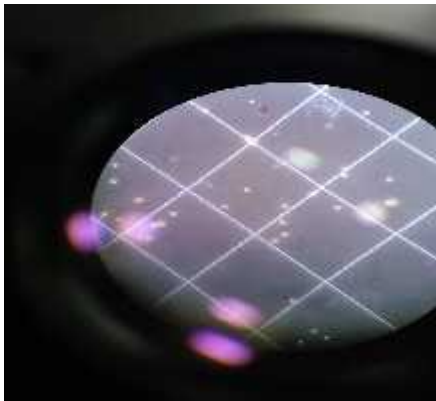


Fig. Cells in haemocytometer



Fig. Viewing in inverted microscope

Day 2

Second day started with six groups, each group were assigned with one of the three experiments. The cells used were HeLa cells which is the most common human cell line used in laboratory. HeLa cells were first isolated from the cervix of the cancer patient known as Henritta Lacks. These cells are immortal and can be subcultured many times. The cells were

taken from the cryovials which were stored at -80 C. Mr. Anil, Dr. Sumathi and Dr.Nabeel were supervising all the steps of the experiments.



Fig. Reviving of cells

Fig. Cells viewed under microscope

After lunch ,students were given al lecture about the cytotoxicity and assay. Cytotoxic assay is used to know the toxicity of a substance towards the cell. Each batch was given the concentration of drug to be tested and the assay was carried out in a 96 well micro titer plate.



Fig. Lecture on cytotoxicity

Day 3

Third day started with flow cytometer, data analysis and data interpretation. The micro titer plate was kept for incubation over night. To the plate MTT dissolved in DMSO and plane media was added. The data was interpreted using flow cytometer.



Fig. Data interpretation using flow cytometer

After the lunch, Valedictory session was organized where Dr. S N Singh, director of CFRD ,Dr.K. Anuradha,HOD ,Department of Microbiology, and Dr.J. Sarada Senior faculty participated.Participation certificates were distributed to all students and took their feed back on the workshop.



Fig. Valedictory speech



Fig. Gift presentation

After the valediction Mr. Anil and Mrs. Sumathi gave a small lecture on dos and don'ts about cell culture.

2018-19

Report on Mushroom cultivation workshop

Department of Microbiology in collaboration with S Mushroom Agri tech, Kukatpally organized a two day workshop on Mushroom cultivation, production and marketing for M.Sc final year students on 18 & 19th July ,2018. On 18th morning, Dr.K.Prasuna, CEO of ‘S’ Mushroom cultivation briefed on Significance of Mushroom cultivation and methods involved Second day, Hands on training was given to students in mushroom bed preparation, harvesting, processing and storage. This workshop had provoked entrepreneurial skills and motivated students to think about start-ups in this area.







Bhavan's Vivekananda College

of Science, Humanities and Commerce

Sainikpuri, Secunderabad-500 094

(Accredited with 'A' Grade by NAAC)

Autonomous College - Affiliated to Osmania University

Report for the year 2019-20

Department of Mathematics & Statistics.

Name of the Participant(s) if the programme is conducted outside the college: **Mrs GS Mini, Mrs P. Krishnaveni & Mrs Santi Rohit Rao**

Students: 9 members

SNO.	NAME OF THE FACULTY/ STUDENT	DEPARTMENT/CLASS
1	Mrs GS Mini	Mathematics
2	Mrs P. Krishnaveni	Mathematics
3	Mrs Santi Rohit Rao	Mathematics
4	Saritha	B.Sc (MECs) III
5	K.Hariharanath	B.Sc (MSCs) III
6	Akash Saha	B.Sc (MSCs) III
7	T.Bhanuchander	B.Sc (MSCs) III
8	Abhishek .M	B.Sc (MSCs) III
9	D.Sanjeevprasad	B.Sc (MSCs) III
10	M. Tejaswini	B.Sc (MSCs) III
11	M.Srimukhi	B.Sc (MSCs) III
12	C.Kavita	B.Sc (MSCs) III

1. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:

Two day National Workshop and Training on Numerical computations using MATLAB

2. Date of the event: ___ on 6th and 7th September 2019

Place of the event: **Little flower degree college Uppal,**

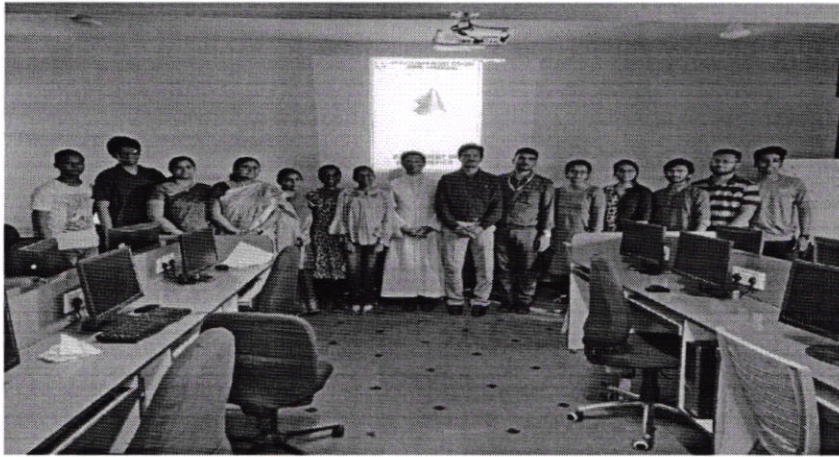
3. Name(s) of the Resource person(s): **Mr. K Srinivasa Rao professor and Head of the Department of Mathematics SVSC University Kanchipuram**

4. Description of the Event: (within 500 words with 3 relevant pictures)

A workshop on MATLAB using was conducted in Little flower degree college, Uppal, on 6th and 7th September 2019. The faculty who attended the programme are Mrs. GS Mini, Mrs. P. Krishnaveni & Mrs. Santi Rohit Rao.

The resource person for the workshop was Mr. K Srinivasa Rao professor and Head of the Department of Mathematics SVSC University Kanchipuram. The workshop was for six sessions each of 2 and half hours.

On the first day the session started with Mr. Srinivasa Rao introducing the software MATLAB for beginners. The session 1 was for two hours where the participants learned the basics of MATLAB and predefined MATLAB functions. Handling of arrays, Interpolation, 2d and 3d Plotting techniques were also taught. On the second day, Concepts of linear algebra, data analysis using curve fitting toolbox, solving ordinary differential equations and Optimization techniques were told. The workshop was very informative and helpful. It was something very new and exciting.



1) G.S. Mini

2) P. Krishnaveni

3) Santi Rohit Rao

gs mini

International Conference



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Report for the year 2019-20

Department of Mathematics & Statistics.

1. Name of the Participant(s) if the programme is conducted outside the college:

Students: 10

SNO.	NAME OF THE STUDENT	CLASS
1	Ritesh Thakur	B.Sc (MSCs) III
2	Vaishnavi priya	B.Sc (MSCs) III
3	Srinath Choudhary	B.Sc (MSCs) III
4	Kartik	B.Sc (MSCs) III
5	Keshav	B.Sc (MSCs) III
6	T.Bhanuchander	B.Sc (MSCs) III
7	Hrithika	B.Sc (MSCs) III
8	Chandrakanth	B.Sc (MSCs) III
9	Poola Neeraj	B.Sc (MSCs) I
10	K. Usha Shree Yadav	B.Sc (MSCs) I

International Conference (Aspire 2k19) on Data Science

Date of the event: **2 Dec 2019**

Place of the event: **St. Ann's College for women Mehdipatnam,**

2. Name(s) of the Resource person(s):

Prof.B.Sri Padmavathi of School of Mathematics and Statistics University of Hyderabad, Ms. Sonia , Managing Data Scientist, IBM GBS Cognitive Business Decision Support New York, USA, Abinav Aditya, Managing Consultant-Machine Learning, IBM GBS, Cognitive & Analytics New York, USA, Ms. Juliana, Senior Network Engineer, Nike Inc, Oregon, USA.

3. Description of the Event: (within 500 words with 3 relevant pictures)

The International conference on women empowerment was held at St. Ann's College for women on 2 December 2019. The resource persons from all over the world have attended the conference. The theme of the conference was "Dream, Believe, Achieve" aligned with the goal to inspire, educate, encourage, and motivate women in various areas of specialization. A total 250 people participated in conference including 6 guests from different eminent organizations. The conference was inaugurated by lighting the lamp by the resource persons. The keynote address was made by Dr. Nirmala Xavier of St. Ann's college for women.

The proceeding was followed by an introductory speech by Prof.B.Sri Padmavathi of School of Mathematics and Statistics University of Hyderabad. She gave an overview on machine learning and went on to discuss about animation. Mathematics is very important in computer animation. She then stressed on the fact on strengthening our basics.

After this session, Ms. Sonia , Managing Data Scientist, IBM GBS Cognitive Business Decision Support New York, USA gave a presentation on Business Applications. She explained how companies like Amazon, Netflix, Starbucks use algorithms and give recommendations to customers. She gave an idea on Structured and Unstructured Data analysis. She then presented various computational and statistical techniques and customer segmentation.

The third session was followed by Abinav Aditya, Managing Consultant-Machine Learning, IBM GBS, Cognitive & Analytics New York, USA. He presented his views on Artificial Intelligence. He then used AI to alter an image. He then told about Reinforcement Learning. The basics of calculus, linear algebra and probability are very important for machine AI. He then told about deep learning which is a sub discipline of machine learning.

It was the followed by a presentation by Ms. Juliana, Senior Network Engineer, Nike Inc, Oregon, USA. She then shared the facts about fitness. The 80-20 Rule of fitness was very well explained by her. She then focused on maintaining fitness during pregnancy. She discussed about various myths about food habits and pregnancy.

Ms.Reena ,Software Engineer, Microsoft, Washington State, USA motivated the audience by narrating her experiences. She then gave many examples of linear algebra in machine learning that includes data sets and data files, images and linear regression.

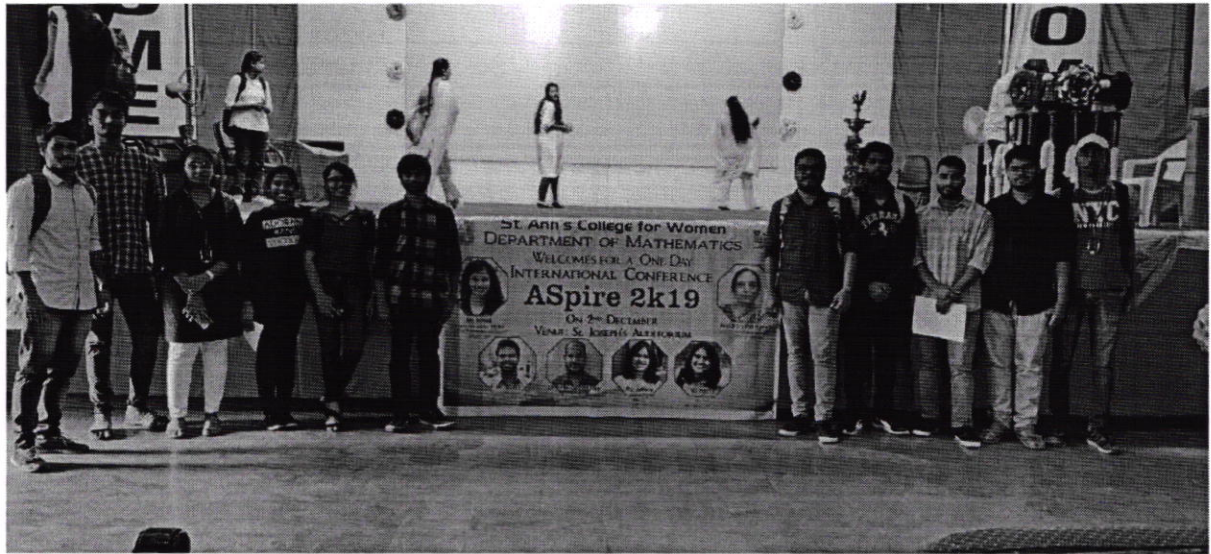
In the final session Dr.Ch Kishore Kumar, Asst.Professor, Head Dept of Mathematics, Nizam College, OU gave presentation on applications of mathematics in machine learning.

Multivariate calculus, Algorithms & Complexity, Probability Theory and Statistics constitute the minimum level of mathematics needed to be a Machine learning scientist.He then explained about Mathematical modeling that includes forward, inverse and mixed.

After the session, presentations were given by various students on the topic machine learning.

The conference provided an avenue for students, young professionals and experienced practitioners to present their thoughts and information in various fields ranging from Mathematics, Data Science, Artificial Intelligence to personality development.

Concluding statement was made by Ms. Saba Firdose, Asst Professor of Mathematics. She thanked everyone who were present and contributed to the success of the conference. She the officially declared the conference closed.



Mrs Senti Rohit coordinated

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Report for the year 2019-20

Department of Mathematics & Statistics.

1. Name of the Participant(s) if the programme is conducted outside the college:

Mrs.K. Srilatha, & Mrs K. Shrivani

Students: 9 members

SNO.	NAME OF THE FACULTY/ STUDENT	DEPARTMENT/CLASS
1	Mrs.K. Srilatha	Mathematics
2	Mrs K. Shrivani	Mathematics
4	K SaiKumar	B.Sc (MECs) II
5	Aditya kaushik	B.Sc (MPCs) III
6	Chiranjibisutar	B.Sc (MPCs) III
7	Suri Deekshitha	B.Sc (MPCs) III
8	Jaya Aarthi	B.Sc (MPCs) II
9	K . Lasya	B.Sc (MSCs) II
10	D.SaiMahathi	B.Sc (MPCs) I
11	K. Jayalakshmi	B.Sc (MECs) II
12	R D Sreehitha	B.Sc (MSCs) II

A Two day National workshop on MATLAB, Megastat and Solverconcepts regarding the software and addins.

- Date of the event: **27th and 28th of December 2019**
- Place of the event: **_Avanthi Degree and PG college,Hyderabad**
- Name(s)of the Resource person(s):
Dr. K. Srinivasa Rao
- Description of the Event: (within 500 words with 3 relevant pictures)

A two day national workshop on MATLAB, Megastat and Solver was organised by Avanathi Degree and PG college on 27th and 28th of December 2019 to teach concepts regarding the software and addins.

It was organised under the guidance of Dr. K. Srinivasa Rao, the resource person of the event and was lead by the efforts of the Department of Mathematics And Statistics of the college in association with IQAC.

The first day of the workshop was begun by the Inaugural Function followed by the introduction of the resource person, briefing the participants of the workshop regarding the event. A study material was provided by the department that covered all the topics which were taught in the workshop. Both students and teachers were together involved and associated with great passion. The basics of MATLAB, functions, handling of arrays and matrices were among the few topics that were covered in the workshop. With constant guidance for Mr. Srinivasa and the lab assistants of the computer department; every individual comprehended the concepts taught. A very fun session of plotting 2D and 3D graphs took place, wherein everyone was engrossed into getting a visual interpretation of the regular equations and functions that need complex calculations.

The participants understood the need of technology and software in making complex mathematical and physical equations easy.

The second day of the workshop went with the same spirit. Doubts and questions regarding the session were appreciated and cleared with utmost patience and perseverance.

Optimization techniques and Data Analysis concepts were covered on the second day. The worksheets provided in the material were solved by the participants with joy and fun.

Completing the concepts of MATLAB, Mr. Srinivasa Incorporated the other aspect of the workshop and helped students get in touch with Megastat and Solver.

On completion of the workshop, the participants were requested to attend the valedictory function with the chief guest being the professor of Osmania University, Mr. Goverdhan. With motivation from the Chief Guest, Principal and resource person; the participants induced a driving force to familiar themselves regarding such Mathematical solvers and software. The certificates of participation and feedback were given at the end of the program. The participants expressed their gratitude towards knowledge gained and indicated a happy learning experience at the end of both the days.





Mrs Srilatha , Mrs Sravani

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Workshop

Student centric



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Report for the year 2019-20

Department of Mathematics & Statistics

1. Name of the Participant(s) if the programme is conducted outside the college. Five students of BSc.MSCs II with the following Roll Numbers and Names:

SNO.	NAME OF THE STUDENT	CLASS
1	Alluri Vagdevi	BSc(MSCs)II
2	B. Ravali Sai	BSc(MSCs)II
3	N. Preethi Reddy	BSc(MSCs)II
4	Tejaswi Kidambi	BSc(MSCs)II
5	SatwikaChepuri	BSc(MSCs)II

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING WORKSHOP CONDUCTED AT- IIIT HYDERABAD on

Date of the event: **9 &10 Febuary 2020**

Place of the event: **IIIT HYDERABAD**

Description of the Event

The workshop was conducted for two days from 8-02-2020 to 9-02-2020 , where students were taught a few Machine Learning Algorithms (Linear Regression, Hand Written Digit Recognition, Face Recognition etc;) in Python, and the Microsoft exam was conducted (ML: Introduction to Python).

Mrs. P. Rajini

22 13 conducted in college.



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Report for the year 2019-20

1. Name of the Department if the programme is conducted inside the college:
DEPARTMENT OF MATHEMATICS AND STATISTICS

2. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
GUESTLECTURE

Active learning methods

3. Date of the event: **18th June 2019.**

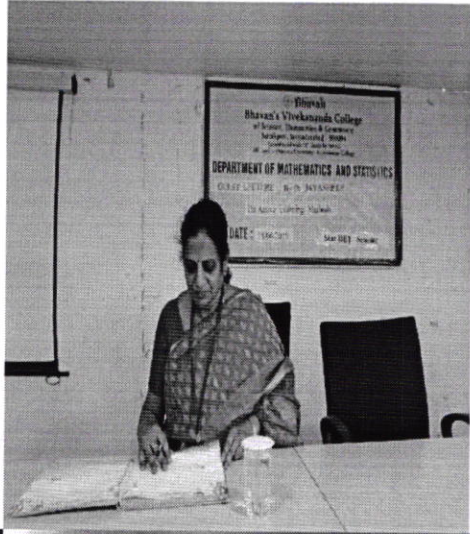
4. Place of the event: **Room no.208 , BHAVANS VIVEKANANDA COLLEGE**

5. Name(s) of the Resource person(s):

Dr. Jayashree , Associate Professor in VNRVJIET

6. Description of the Event: (within 500 words with 3 relevant pictures)
GUEST LECTURE IN MATHEMATICS BY Dr. Jayashree , Associate Professor in VNRVJIET on Active learning methods was conducted by department of Mathematics and Statistics on 18th June 2019. The speaker stressed on the present day education system which not only needs curriculum knowledge but also students must be acquainted with more online courses. In today's competitive world it is important for students not only have good basics in their subjects but also have some extra skill set. To have some extra knowledge one of the best is online courses because a certificate is also present for proof. Different means of improving skill set was discussed. The different online sites like moocs, Nptel, mhrd ... were discussed.
The present industry related topics like data analysis and it's demand in the industry was discussed.

Online courses help to get practical skills using the latest computer technology to enable to solve real-world problems and prepare students for a career in a wide range of areas such as finance, investment, information technology, environmental management, health, marketing, logistics, defence, media, education and research.



All dept. members

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Report for the year 2019-20

1. Name of the Department if the programme is conducted inside the college:
Department of Mathematics & Statistics

Guest Lecture

2. Date of the event: **12 July 2019.**
3. Place of the event: **BVC**
4. Name(s) of the Resource person(s):
Dr. Aparna Dode, Associate Professor in University college of Engineering
5. Description of the Event: (within 500 words with 3 relevant pictures)

GUEST LECTURE IN MATHEMATICS BY Dr. Aparna Dode, Associate Professor in University college of Engineering on Introduction to MATLAB was conducted by department of Mathematics and Statistics on 12 July 2019. The speaker gave a lecture on MATLAB and its applications in the present field of Science and Technology. The lecture was organized only for the faculty of Physical Sciences.

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are

expressed in familiar mathematical notation. Typical uses include:

- Math and computation
- Algorithm development
- Modeling, simulation, and prototyping
- Data analysis, exploration, and visualization
- Scientific and engineering graphics
- Application development, including Graphical User Interface building

MATLAB is an interactive system whose basic data element is an array that does not require

dimensioning. This allows you to solve many technical computing problems, especially those with matrix and vector formulations, in a fraction of the time it would take to write a program in a scalar noninteractive language such as C or Fortran.

The name MATLAB stands for matrix laboratory. MATLAB was originally written to provide easy access to matrix software developed by the LINPACK and EISPACK projects, which together represent the state-of-the-art in software for matrix computation.

MATLAB has evolved over a period of years with input from many users. In university environments, it is the standard instructional tool for introductory and advanced courses in mathematics, engineering, and science. In industry, MATLAB is the tool of choice for high-productivity research, development, and analysis.

MATLAB features a family of application-specific solutions called toolboxes. Very important to most users of MATLAB, toolboxes allow you to learn and apply specialized technology.

Toolboxes are comprehensive collections of MATLAB functions (M-files) that extend the MATLAB environment to solve particular classes of problems. Areas in which toolboxes are available include signal processing, control systems, neural networks, fuzzy logic, wavelets, simulation, and many others.

The MATLAB System

The MATLAB system consists of five main parts:

The MATLAB language.

This is a high-level matrix/array language with control flow statements, functions, data structures, input/output, and object-oriented programming features. It allows both "programming in the small" to rapidly create quick and dirty throw-away programs, and "programming in the large" to create complete large and complex application programs.

The MATLAB working environment.

This is the set of tools and facilities that you work with as the MATLAB user or programmer. It includes facilities for managing the variables in your workspace and importing and exporting data. It also includes tools for developing, managing, debugging, and profiling M-files, MATLAB's applications.

Handle Graphics.

This is the MATLAB graphics system. It includes high-level commands for two-dimensional and three-dimensional data visualization, image processing, animation, and presentation graphics. It also includes

low-level commands that allow you to fully customize the appearance of graphics as well as to build

complete Graphical User Interfaces on your MATLAB applications.

The MATLAB mathematical function library.

This is a vast collection of computational algorithms ranging from elementary functions like sum, sine,

cosine, and complex arithmetic, to more sophisticated functions like matrix inverse, matrix eigenvalues,

Bessel functions, and fast Fourier transforms.

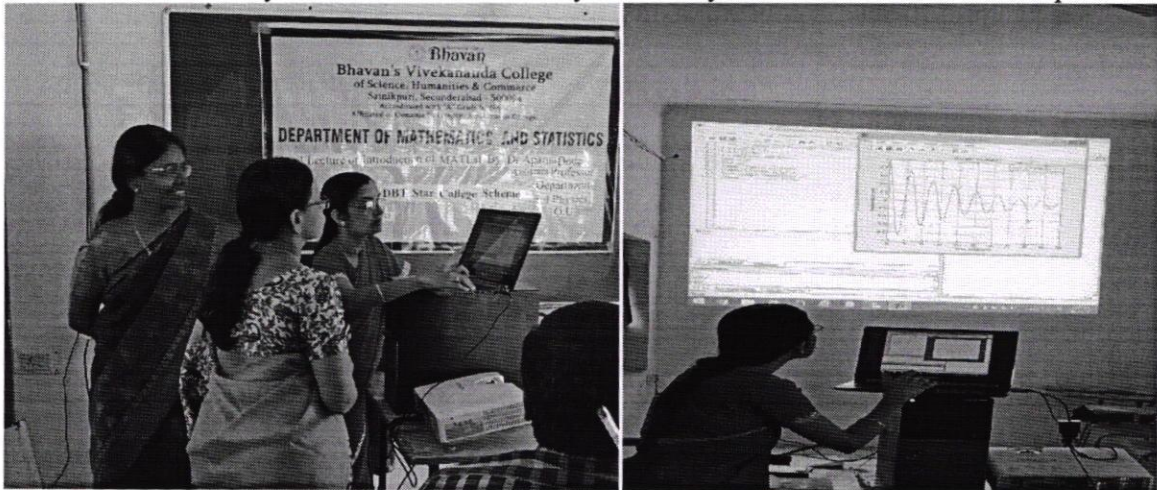
The MATLAB Application Program Interface (API).

This is a library that allows you to write C and Fortran programs that interact with MATLAB.

It include

facilities for calling routines from MATLAB (dynamic linking), calling MATLAB as a computational engine, and for reading and writing MAT-files.

The session was very informative and faculty were very keen to learn new techniques.



All dept. members

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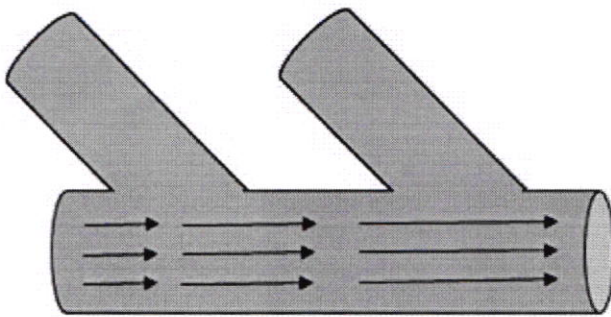
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Report for the year 2019-20

1. Name of the Department if the programme is conducted inside the college:
DEPARTMENT OF MATHEMATICS AND STATISTICS
2. Date of the event: **DEC.10,2019**
3. Place of the event: **Room No. 71.BHAVAN'S VIVEKANANDA COLLEGE**
4. Name(s) of the Resource person(s):
Dr.Aparna , Sr.Assistant professor in VNRVJIET
5. Description of the Event: (within 500 words with 3 relevant pictures)
 Dr.Aparna , Sr.Assistant professor in VNRVJIET gave a talk on 'vectors and it's applications'. The talk was for students of B.Sc III year on December 10th 2019 in Room No. 71. The students had a paper on Vector Calculus in their sem 5. This talk was on the applications. The speaker give an insight into the physical interpretations of different concepts of which the students learnt only the mathematical aspects. In the fifth semester students had various concepts like gradient divergence, curl, irrotational, solenoidal vector.

Divergence:

Consider water flowing through a large pipe. Now, it has smaller pipes joined to it. Hence, as the water flows, more water is added along the way by the smaller pipes. Hence, the mass flow rate increases as the water flows.



In another case, consider that there is a leakage in the pipe. Hence the mass flow rate decreases as it flows. **This change in the flow rate through the pipe, whether it increases or decreases, is called as divergence.** Divergence denotes only the magnitude of change and so, it is a scalar quantity. It does not have a direction.

When the initial flow rate is less than the final flow rate, divergence is positive (divergence > 0). If the two quantities are same, divergence is zero. If the initial flow rate is greater than the final flow rate divergence is negative (divergence < 0).

Curl:

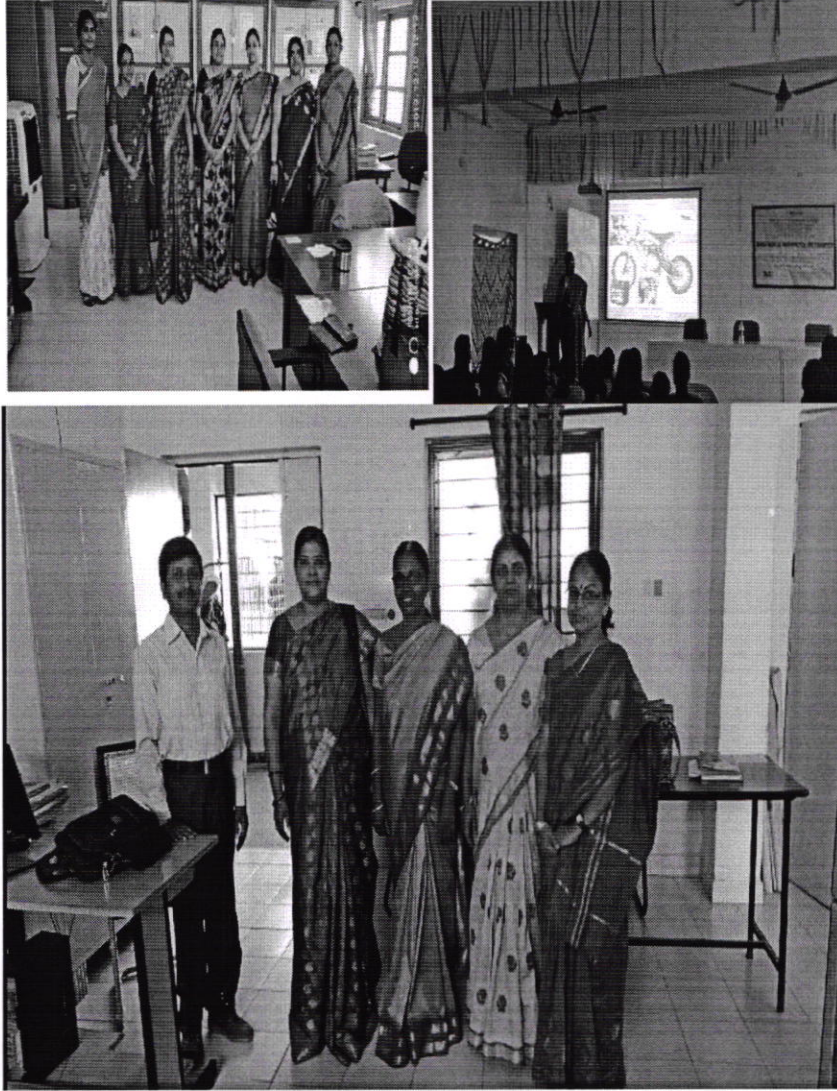
Imagine pouring water in a cup. The water won't just flow linearly but rather, as it reaches the end of the cup, it will flow in a rotational motion before settling in the cup. Or consider water draining down the sink, it will swirl in a rotational motion before going out. If we plot this rotational flow of water as vectors and measure it, it will denote the Curl.

Curl is a measure of how much a vector field circulates or rotates about a given point. when the flow is counter-clockwise, curl is considered to be positive and when it is clock-wise, curl is negative. Sometimes, curl isn't necessarily flow around a single time. It can also be any rotational or curled vector.

Learning about gradient, divergence and curl are important They help us calculate the flow of liquids and correct the disadvantages. For example, curl can help us predict the voracity, which is one of the causes of increased drag. By using curl, we can calculate how intense it is and reduce it effectively. Calculating divergence helps us understand the flow rate and correct it to suit our needs.

In vector calculus a solenoidal vector field (also known as an incompressible vector field, a divergence-free vector field, or a transverse vector field) is a vector field v with divergence zero at all points in the field:





The speaker has given a clear picture of the physical interpretation in fluid dynamics. The concept of energy flow and heat transfer in a machine in vehicle was explained clearly. The students were very happy with the content and relevance of the lecture.

All dept. members



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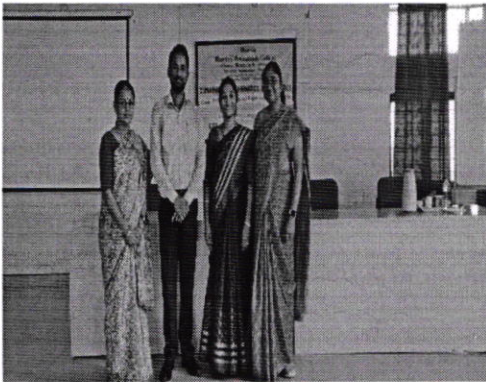
1. Name of the Department if the programme is conducted inside the college:
Department of Mathematics & Statistics
2. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:

Guest Lecture on Applications of statistics in various domains and Advanced Experimental Designs

3. Date of the event: **11/01/2020**
4. Place of the event: **Room No. 71 BVC**
5. Name(s) of the Resource person(s):
Dasari Ravi Kumar, Statistical Specialist, Novartis, Hyderabad
6. Description of the Event: (within 500 words with 3 relevant pictures)

Speaker:

A wonderful seminar was given by Dr. Ravi Kumar Dasari on Data Science and Pharma Industry who works in Novartis Hyderabad. Sir has given brief introduction about Statistics and application of statistics in various domains. He also explained about Advanced Experimental Designs. Students had a very interactive session with Ravi Kumar sir, sir has given a clear lecture on Pharma Industry with a case study, which was very helpful for the students.

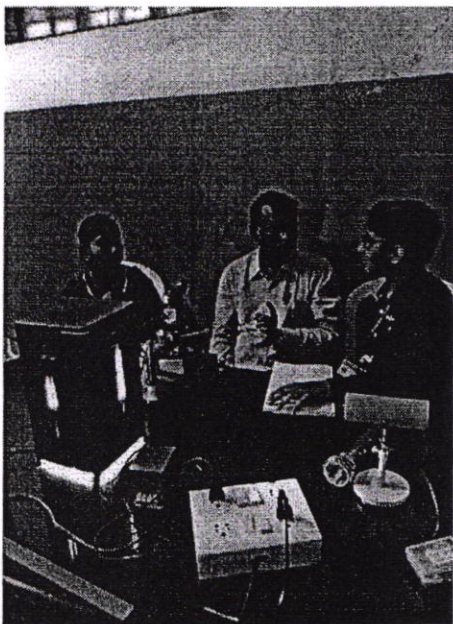
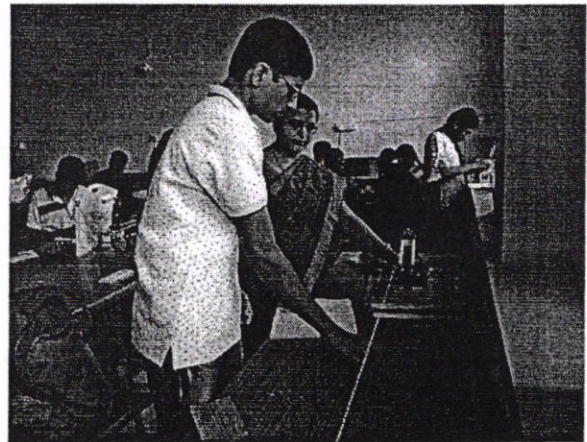


All dept. members

[Handwritten signature]

Dr A S Rao Award's Council—Residential Workshop

A Residential Science Workshop for 9th and 10th Class Students was organized by Dr AS Rao Awards Council from 26th April 2019 to 1st May 2019, in which 4 faculty members Mrs M Prasanna, Dr GSVRK Choudary, Mr T Prasad and Mrs T Sai Santoshi from the Department of Physics and Electronics were deputed as resource persons.



Poonil

Head of the Department
Department of Physics & Electronics
Bharathiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

[Signature]

Santoshi



Bhavan's Vivekananda College
of Science, Humanities and Commerce
Sainikpuri, Secunderabad-500 094
(Accredited with 'A' Grade by NAAC)
Autonomous College - Affiliated to Osmania University

Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
BVC

Name of the Department if the programme is conducted inside the college:
CHEMISTRY

- i)Dr Madhumita Bhattacharjee
ii)Mr G V Ramana Murthy
iii)Ms Moumita Bandyopadhyay

2. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Workshop

3. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Careers in Biological & Chemical Sciences for inter college Students. - 25th May, 2019.

4. In case of Seminar:(Tick the correct option)

- | | |
|---------------------------------|-------------------------------------|
| <input type="radio"/> National | <input type="radio"/> International |
| <input type="radio"/> Presented | <input type="radio"/> Participated |

If Presented, enclose the Title of the presentation:

5. Date of the event: 25 MAY 2019 _____

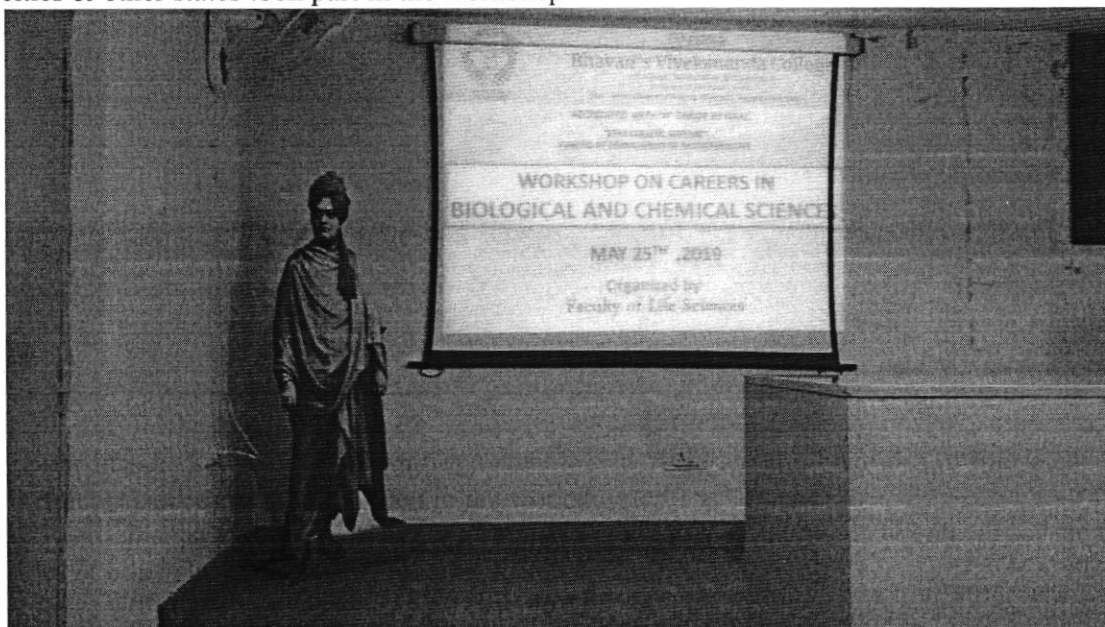
6. Place of the event:BVC,SAINIKPURI _____

7. Name(s)of the Resource person(s):
Dr Amitava Das,Principal Scientist,IICT,Hyderabad
Ms.S ANJU,Lecturer in Microbiology,BVC

8. Description of the Event: (within 500 words with 3 relevant pictures)
Workshop on careers in Biological and Chemical sciences. on 25th May 2019.
The key note speaker for the day was Dr Amitava Das,Principal Scientist,IICT,Hyderabad.

Career insight ,scope & opportunities available with different combinations of life sciences & chemical sciences was highlighted in the workshop.

100 participants ,students & parents from various schools & intermediate colleges of the twin cities & other states took part in the workshop



Signature



Ammy 70



Note: Kindly enclose the scanned copies of the brochure, certificate, report and photographs and send to bvcreports@gmail.com

Participant/Coordinator/HOD



Bhavan's Vivekananda College
of Science, Humanities and Commerce
Sainikpuri, Secunderabad-500 094
(Accredited with 'A' Grade by NAAC)
Autonomous College - Affiliated to Osmania University

Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
BVC

2. Name of the Department if the programme is conducted inside the college:
CHEMISTRY
i)DrMadhumitaBhattacharjee
ii)Mr G V Ramana Murthy
iii) Ms Mary Nygi Kurian
iv)MsPrerana Loomba

3. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Outreach program

4. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Outreach program for high school teachers -Exploring science through hands on activities - Green lab techniques. - 30th July, 2019

5. In case of Seminar:(Tick the correct option)

<input type="radio"/> National	- International
<input type="radio"/> Presented	- Participated

If Presented, enclose the Title of the presentation:

6. Date of the event: __30 July 2019_____
7. Place of the event: __BVC ,SAINIKPURI_____
8. Name(s)of the Resource person(s):
i)DrMadhumitaBhattacharjee
ii)Mr G V Ramana Murthy
iii) Ms Mary Nygi Kurian
iv)MsPrerana Loomba



Bhavan's Vivekananda College

of Science, Humanities and Commerce
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Report for the year 2019-2020

1. Name of the Participant(s) if the programme is conducted outside the college:
2. Name of the Department if the programme is conducted inside the college: CHEMISTRY
3. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Workshop for BSc Under Graduate students
4. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:
Introduction to Nano materials: Carbonaceous Nanomaterials from Natural Resources & their potential applications

In case of Seminar:(Tick the correct option)

- | | |
|---------------------------------|-----------------|
| <input type="radio"/> National | - International |
| <input type="radio"/> Presented | - Participated |

If Presented, enclose the Title of the presentation:

-
5. Date of the event: 5 Dec & 9 Dec 2019
 6. Place of the event: BVC
 7. Name(s)of the Resource person(s):
Dr Sutapa Ghosh, Principal Scientist,CSIR-IICT ,Hyderabad
Mr Suprabhat ,Research Fellow,CSIR-IICT ,Hyderabad

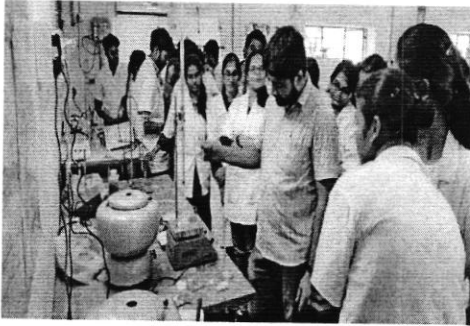
Description of the Event: (within 500 words with 3 relevant pictures)

Dept of Chemistry, BVC under **DBT STAR College scheme** ,organized a two day workshop for BSc Under Graduate students on 5 Dec & 9 Dec 2019 on ‘ **Introduction to Nano materials : Carbonaceous Nanomaterials from Natural Resources & their potential applications**’.

The resource persons for the workshop were **Dr. Sutapa Ghosh**, *Principal Scientist, CSIR-IICT ,Hyderabad* and **Mr. Suprabhat** ,*Research Fellow, CSIR-IICT ,Hyderabad*.

Theory behind nanoscience, preparation & various applications of nanomaterials was discussed in the workshop. Preparation of nano materials from natural resources like green tea leaves extract ,neem leaves extract was demonstrated to the participants with hands on training.

A handwritten signature in black ink, appearing to read 'Sutapa Ghosh', written over a horizontal line.



Kindly enclose the scanned copies of the brochure, certificate, report and photographs and send to bvcreports@gmail.com

Participant/Coordinator/HOD



Bharatiya Vidya
Bhavan



**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE,
SAINIKPURI, SECUNDERABAD.**

Autonomous College
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PRESS REPORT

DAY 1:

Department of Chemistry, Bhavan's Vivekananda Degree College, organized a two day Zonal Centre Training Program in association with E-Cell IIT Kharagpur, makeintern.com on "Emerging Trends in Bio-Inorganic Chemistry."

Day one of the workshop, 28th Nov 2018 commenced with an introductory session on Bio-Inorganic Chemistry by the Resource person for the workshop, Dr. Kirthana M.V. Sindhe, who has professional research experience in Biomedical research, drug discovery & molecular biology.

Post lunch session, hands on training on computers was given to the participants by Dr. Kirthana on various research articles & gene assays for drug designing.

Students from Bhavan's Vivekananda College, BITS Pilani-Hyd campus, St Francis College for women & St Ann's College took part in the workshop. Selection of top 5 students to round 2 in IIT Kharagpur Campus marks the major attention of Day 2 of the workshop to be held on 29th Nov 2018. The selected student in the finale round gets an internship with IIT Kharagpur.

DAY 2:

The second day of the workshop, 29th Nov 2018, organised by Department of Chemistry, Bhavan's Vivekananda College of Science, Humanities and Commerce in association with E-cell IIT -Kharagpur, makeintern.com on 'Emerging Trends in Bio-Inorganic Chemistry' began with a talk on career guidance in Chemical & Biological Sciences by the resource person Dr. Kirthana M.V. Sindhe.

Five participants were selected from round one based on recent research article presentation & group discussion by the participants. Selected participants are called for the finale round at IIT Kharagpur & the final selected participant gets an internship with IIT Kharagpur.

The workshop was an enriching one for all the participants & motivated them to stay focussed & succeed further.



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E-Cell
IIT Kharagpur

BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES & COMMERCE
SAINIKPURI, SECUNDERABAD

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Zonal Center Training Program

Association with E-Cell (IIT Kharagpur Event)
"Collaboration with the Post Graduate & Research Department of Chemistry."

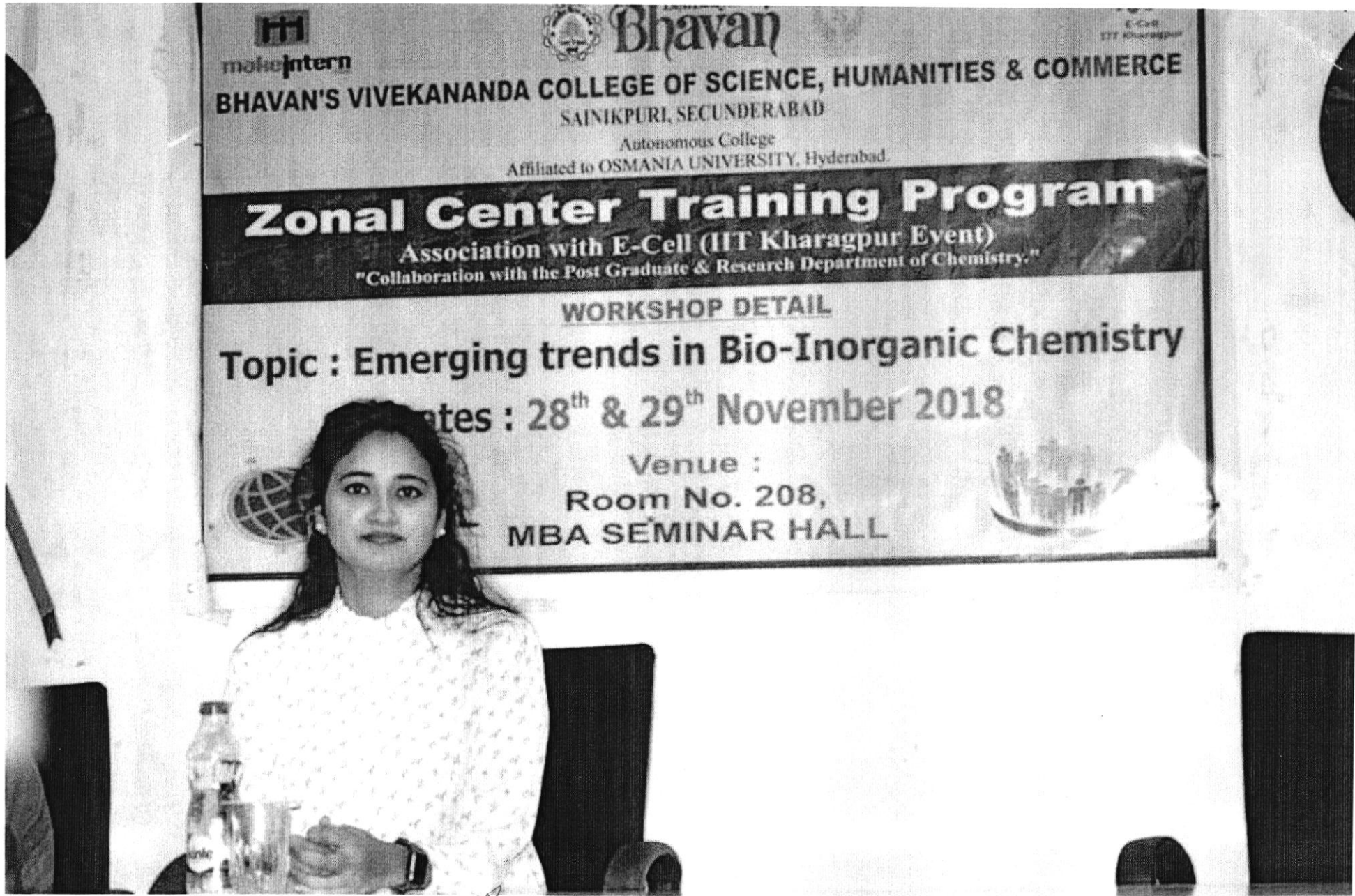
WORKSHOP DETAIL

Topic : Emerging trends in Bio-Inorganic Chemistry

Dates : 28th & 29th November 2018

Venue :

**Room No. 208,
MBA SEMINAR HALL**



Signature



Amey M



Amritha

23. Internships:

Department of Mass Communication, Faculty of Arts

Internship Details - 2019-20

S.No	Name of the Student	Roll No.	Role	Organization
1	Kiran Kumar	107217391021	Trainee Reporter	Hans India
2	Shanaz Fatima	107217391034	Trainee Reporter	Hans India
3	Anji Babu	107217391043	Trainee Reporter	Hans India
4	Ankita Rathour	107217391013	Desk Editior	India Ahead
5	Rishita Karangi	107217391054	Desk Editior	India Ahead
6	Vrushali Chaugule	107217391058	Social Media Handler	Mass Media PR and Advertisin
7	Bharath Badde	107217391044	Assistant Photograph	The New Indian Express
8	Nabangshu Chakraborty	107217391022	PR/General Intern	Kkompany
9	Sanjana Menon	107217391055	Assistant Creative Pr	Silly Monks Media Pvt. Ltd
10	Kanaka Yeldutti	107217391059	Trainer/Teaching	Creya Learning Centre
11	Hashmita	107217391017	Social Media Handler	Mass Media PR and Advertisin

A report on projects completed by BSc., MECs students funded under Star DBT

Students from III B.Sc. M.E.Cs, had successfully constructed and demonstrated the following projects in the National Science Day celebrations conducted by the department on 28th February, 2020 these projects are funded by Star DBT during the academic year 2019 – 20.

Ms N Lakshmi Prasanna (Roll No.107217474020)

Ms V Harshitha (Roll No 107217474012)

Had completed a project by name “Android Phone controlled robot using 8051 microcontrollers and Bluetooth module”

In this project a robot is designed using DC motors, the direction of DC motors will be controlled by the commands received from the android application. The status of the robot is sent back to the Android app. This project will also help for interfacing of HC-05 Bluetooth module with 8051 microcontrollers.

Mr K Rohan (Roll No. 107217474033)

Mr K Naga Sai Krishna (Roll No. 107217474025)


Had completed a project by name “8051-microcontroller-based-frequency-counter”

In this project the count of number of pulses entering into Port 3.5 of 8051 microcontroller and display it on 16 X 2 LCD display. In this project students used AT89S528051 chip, and a 555 IC is used in Astable mode for generating the sample pulse for demonstration.

I am thankful to the management for providing a good opportunity to the students to improve their skills by constructing the circuits.

VLNH Prasad Thutupalli




Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhawan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

**Android Phone controlled robot using 8051 microcontroller and
Bluetooth module**

Project Submitted

To

Bhavan's Vivekananda College

By

Ms N Lakshmi Prasanna , Ms V Harshitha

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mr VLNH Prasad Thutupalli

Project Supervisor

Department of Physics and Electronics

Bhavan's Vivekananda College of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

A handwritten signature in black ink, appearing to be 'J' followed by a flourish.

8051 Microcontroller based frequency counter

Project Submitted

To

Bhavan's Vivekananda College

By

Mr K Rohan, Mr K Naga Sai Krishna

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mr VLNH Prasad Thutupalli

Project Supervisor

Department of Physics and Electronics

Bhavan's Vivekananda College of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

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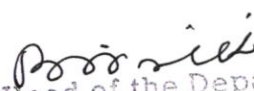
BHAVAN'S VIVEKANANDA COLLEGE , SAINIKPURI.
LIST OF PROJECTS DONE UNDER DBT- STAR COLLEGE SCHEME

2019 - 20

S.No.	Title of the project	Name	Class
1	Heart Beat Monitoring System Using 8051 Microcontroller	G.Bharadwaj, Rohit Raj	B.Sc.(MECs) III Year
2	Temperature monitoring system using 8051 Microcontroller	Afsheen Tabassum, G.Bharadwaj, Deeksha Chatterjee	B.Sc.(MECs) III Year
3	Obstacle Avoiding Car	Suryakanth Bal , Dinesh Reddy	B.Sc.(MECs) III Year
4	Tansmission Of Data Using Light	P. Shantanu Varma Vicky Das N m	B.Sc.(MECs) I Year

under the supervision of Mrs. M.Prasanna during the academic year 2019-20.




Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

BHAVAN'S VIVEKANANDA COLLEGE, SAINIKPURI.
LIST OF PROJECTS DONE UNDER DBT- STAR COLLEGE SCHEME
2019-20

S.NO.	Title of the project	Name	Class
1	Voice controlled Home Automation	CVS AnilKumar K Karthik	BSc MECS II YEAR
2	IoT Based Temperature and Humidity monitoring system	Y Prasoon P Tejaswi	BSc MECS II YEAR

Under the supervision of **Mrs. P.Lavanya** during the academic Year 2019-20.

Lavanya

Poojitha
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Voice Controlled Smart Home Automation System

Project Submitted

To

Bhavan's Vivekananda College

By

C V S Anil Kumar, K. Karthik

B.Sc. (MECs) II Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mrs P Lavanya

Project Supervisor

Department of Physics and Electronics

**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE,
HUMANITIES & COMMERCE**

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Lavanya

Pravin
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

**IOT BASED HUMIDITY AND TEMPERATURE
MONITORING SYSTEM**

Project Submitted

To

BHAVAN'S VIVEKANANDA COLLEGE

By

Prasoon Y , Tejaswi Pampari

B.Sc. (MECs) II Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mrs. P.Lavanya

Project Supervisor

DEPARTMENT OF PHYSICS AND ELECTRONICS

**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES
& COMMERCE**

Sainikpuri, Secunderabad – 500094

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Lavanya

P. Lavanya
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Bhavan's Vivekananda College
Sainikpuri, Secunderabad.
Department of Physics and Electronics
MPCs IIIA and B

Student Project Presentations

RollNo	StudentName	Topic Selected
46816001	A ACHYUT	Motion of Charged Particles in EM
46816003	ADAPA MOUNIKA	Superconductivity explanation
46816005	ANUGULA RISHITHA	Electric Motor , Nano Materials
46816007	K ASHWIN KUMAR	Motion of Charged Particles in EM
46816008	AVIRENI AKHIL SAI	MicroWave Oven working
46816009	B MANASA	Crystal Structure explanation
46816010	B PAVAN KUMAR	Electric Cooker working
46816012	BATAPURAM SIRISHA	Geysers Working , Magnetic Material
46816016	C VAMSI KRISHNA	Magnetic Materials
46816019	DAMERA PREETHI	Refrigerator working, Nanomaterial explanation
46816021	G SPANDANA	Nano Materials
46816023	EGA NAGARAJU	Electric Motor ,Crystal Structure
46816025	GUNDANI KALYANI	Types of Electric Motors working
46816026	GUNUKULA SAI KIRAN	Crystal Structures and Electric Motors
46816028	K SAI VIDYA	Crystal Structures
46816029	KAPIL YADAV	Amazon ALEXA ,Atomic Model
46816030	K MURUGESAN	Nano Materials
46816034	M NAVEEN KUMAR	Television - types and working
46816036	N MAHESH	Electric Motors explanation
46816038	N REVANTH SHARAN	Washing Machine working
46816040	N LAKSHMI PRASANNA	Induction Stove working
46816041	ODUGU SHIRISHA	Atomic Models
46816042	P HARI MADHAV	Geysers working
46816043	P BINDU BHAVANI	Home App-Chimney
46816045	P PRAVALIKA	Magnetic Materials
46816048	S SATYAKRISHNA	Home App-Refrigerator
46816049	S SRAVANI	Super Conductivity
46816051	T RAGHU VAMSHA PRASAD	Air Cooler
46816053	UPPALA SADHANA	Crystal Structure
46816054	UPPALA TEJA SAI	Air Conditioner
46816055	VALLABOJU MANASA	Magnetic Materials
46816056	V POTHANAK SHIVA SAI	MicroWave Oven
46816058	VEMULA SHRAVANTHI	Atomic models
46816063	A NIKITA	Crystal Structure
46816064	ABINASH KUMAR	Super Conductivity
46816065	AKASH SINGH	AC Motors ,Super Conductivity
46816066	ANOOP S KUMAR	Electric Motors,Super Conductivity
46816067	B VENKATA NAGA LAKSHMI	Atomic Models

Santosh

Bonnie

Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhavan - Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

Bhavan's Vivekananda College
Sainikpuri, Secunderabad.
Department of Physics and Electronics
MPCs IIIA and B
Student Project Presentations

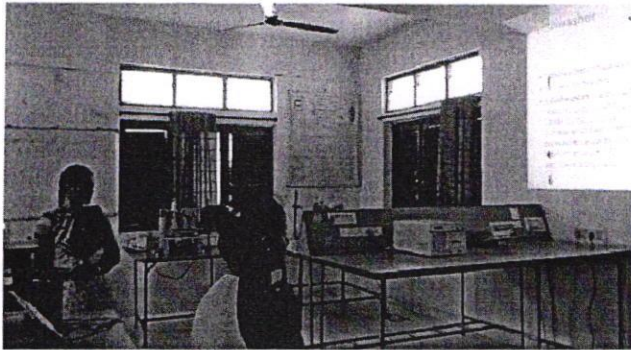
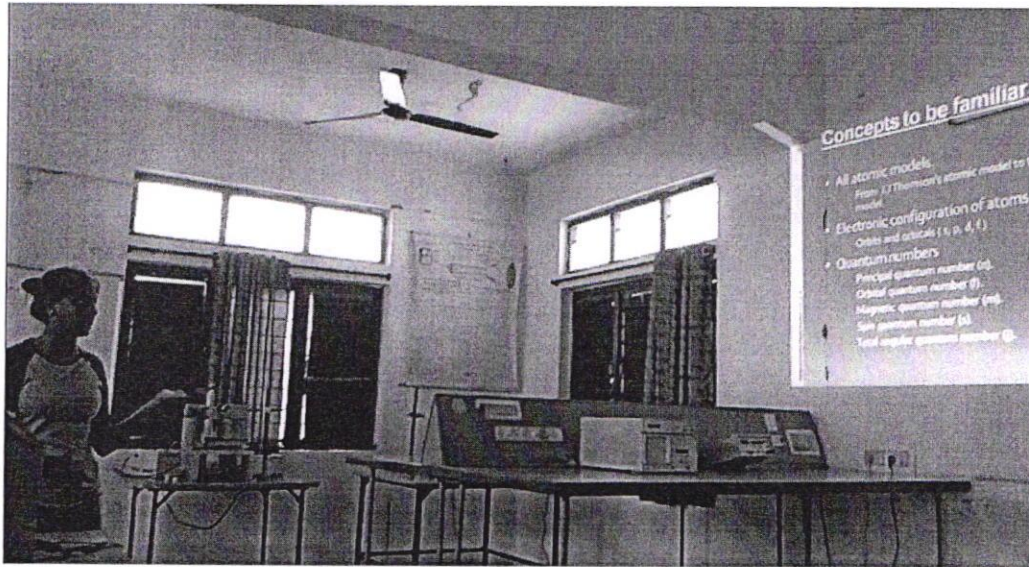
RollNo	StudentName	Topic Selected
46816068	D KARTIKEASHWAR	Magnetic Materials
46816069	D BHARGAVI KALYANI	Refrigerator
46816070	G VENKATESA SAI ANAND	Nuclear Deo Particles
46816071	JELLA SAMPATH KUMAR	Magnetic Materials
46816072	M SONAM	Super Conductivity
46816073	MANIKANTA JENA	Refrigerator,M.M
46816074	MANITEJ M R	Nuclear Deo Particles,super conductivity
46816076	MAREEA MEHBIN	Nano Materials And Electric Motors
46816077	NEELAM MAHARA	Crystal Stucture To Aster
46816078	N VANISREE	MicroWave Oven And Atomic Model
46816079	ROSHAN KUMAR	Super Conductivity And Die
46816080	SHAIK ISMAIL	Washing Machine
46816082	SIDDHARTH SINHA	Methodes Of Production in Nano
46816083	SIDHARTHA TARAI	Motion Of Charged Particles in Emrid
46816084	SRIPADA VIDYACHARAN	Magnetic Materials ,NU
46816085	UJALA DAS	Atomic Spectra
46816086	A JEMIMAH	Superconductivity
46816087	DHIREN RAO V	Nuclear properties
46816088	DHRITHI MARIA	Atomic Model
46816091	NOMULA RAHUL	Television
46816092	S SUSHEEL RAJ	Magnetic susceptability
46816094	B JYOTHI NAGA SRI	Home appliances - Washing Machine
46816096	CHITOGU VEENA	Geiser working - Magnetic material
46816097	C LAKSHMI LAVANYA	G M Counter
46816098	KAPILESHWAR SHARMA	Geiser working and Crystalline structure
46816099	G B V DURGA LAHARI	Home appliances - Bread Maker
46816100	MANDAL SUSHEELA	Coffee Machine

Boonil

Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda Collage
Sainikpuri, Secunderabad - 500 094.

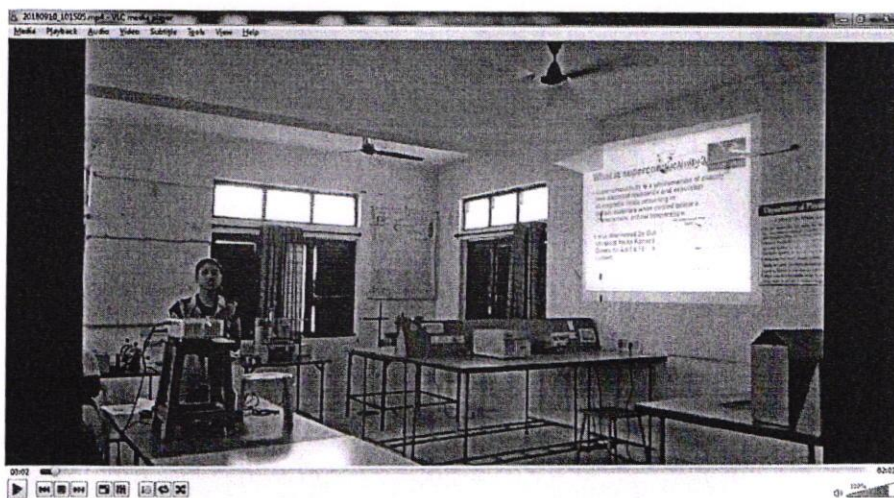
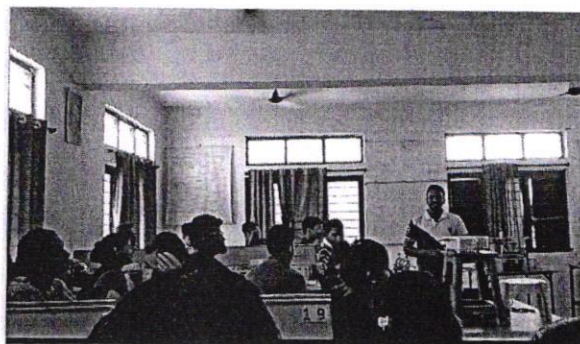
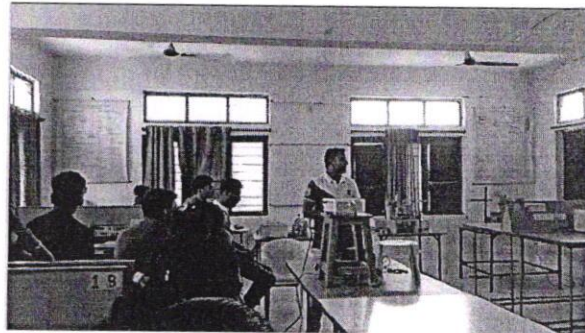
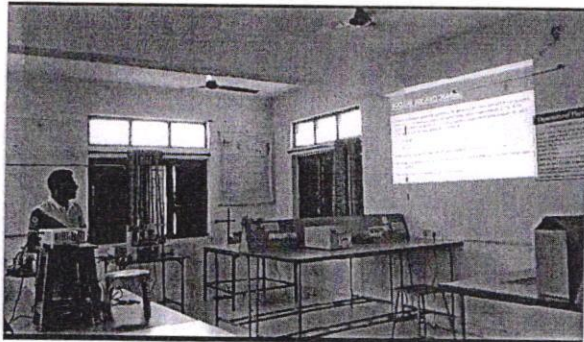
Santosh

Student Power point Presentations



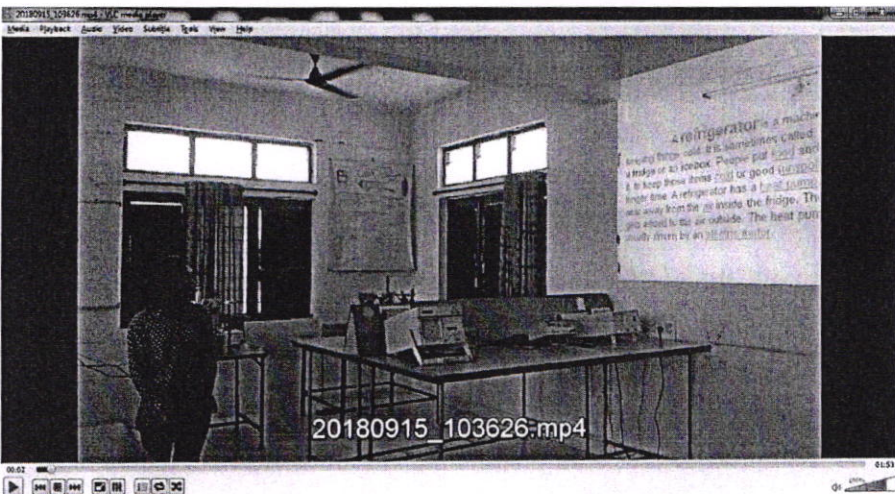
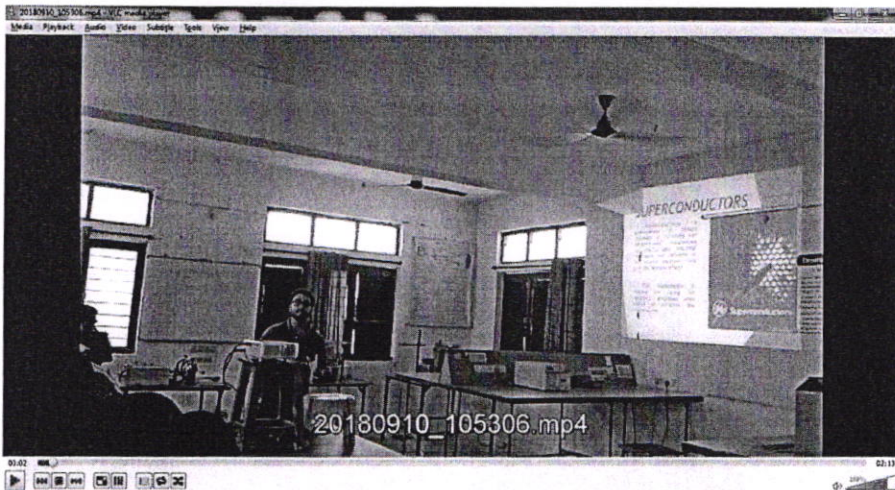
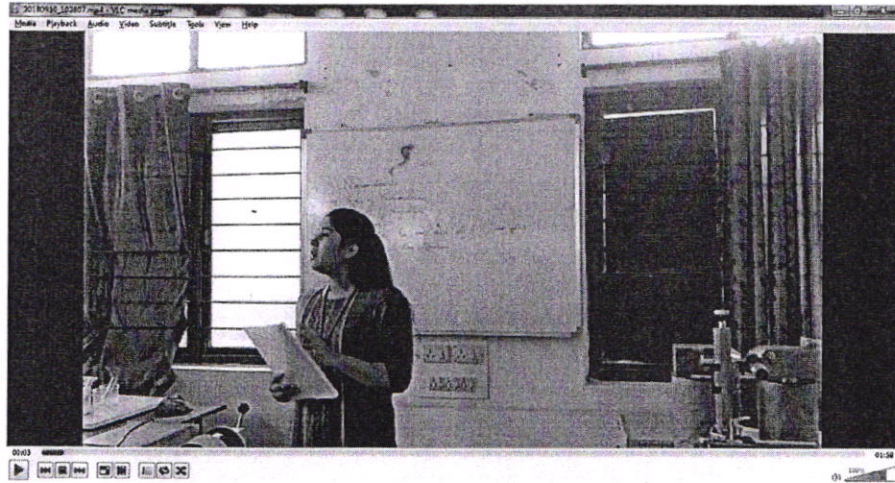
Santosh

Dominic
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 084.



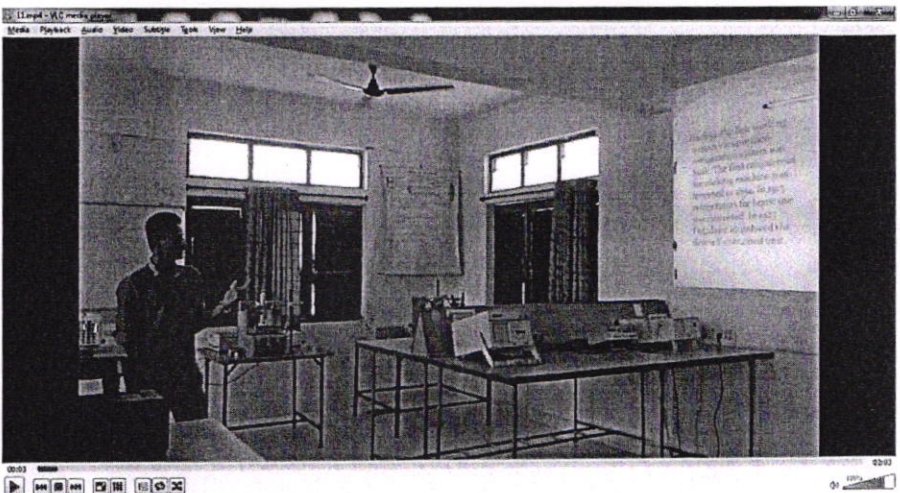
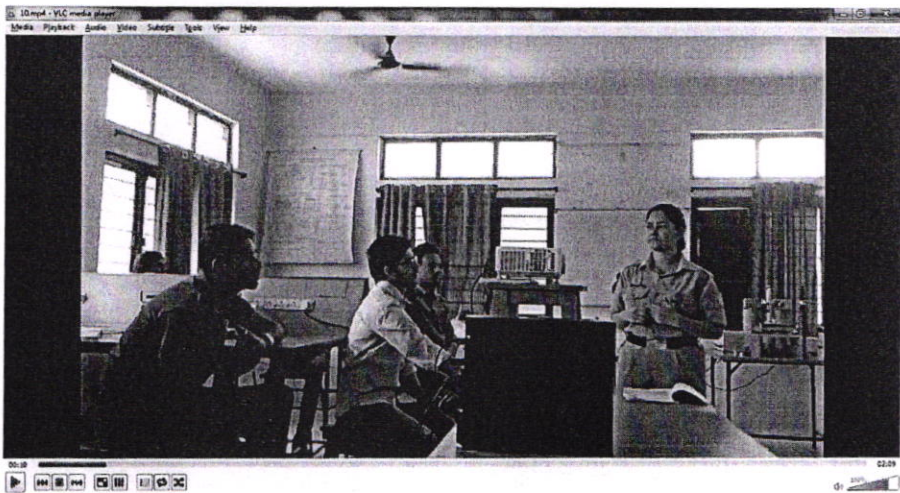
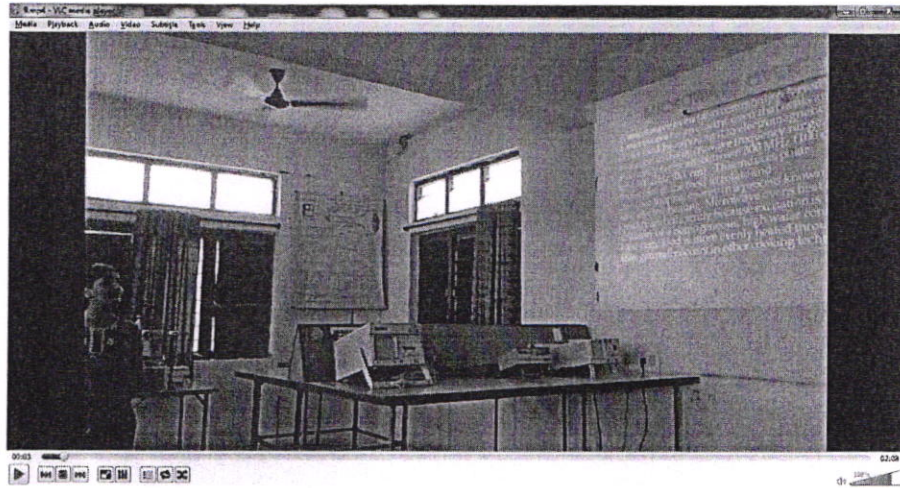
Santosh

Boorin
Head of the Department
Department of Physics & Electronics
Bharatiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.



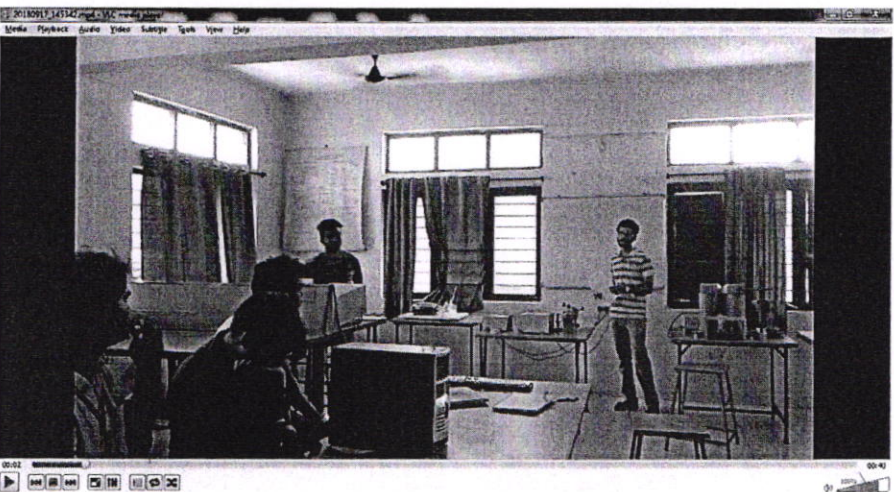
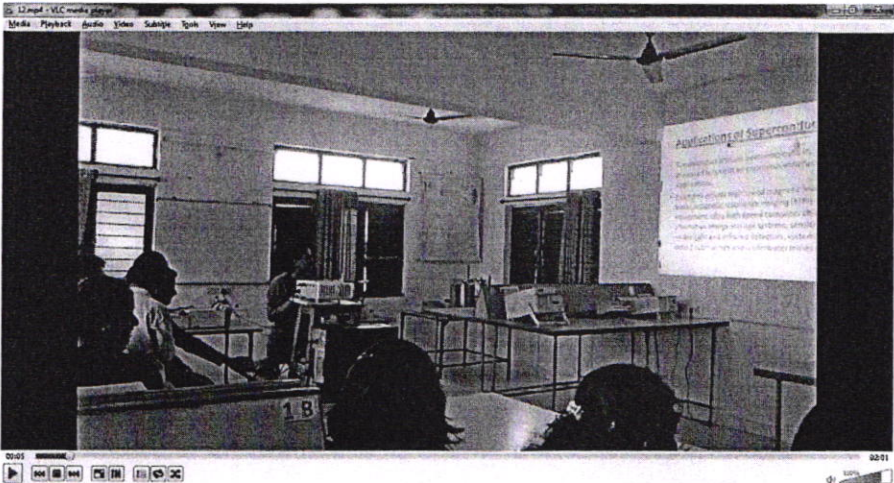
Santoshi

Bonnie
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.



Santosh

Poojila
 Head of the Department
 Department of Physics & Electronics
 Bharatiya Vidya Bhavan's Vivekananda College
 Sainikpuri, Secunderabad - 500 094.



Santoshi

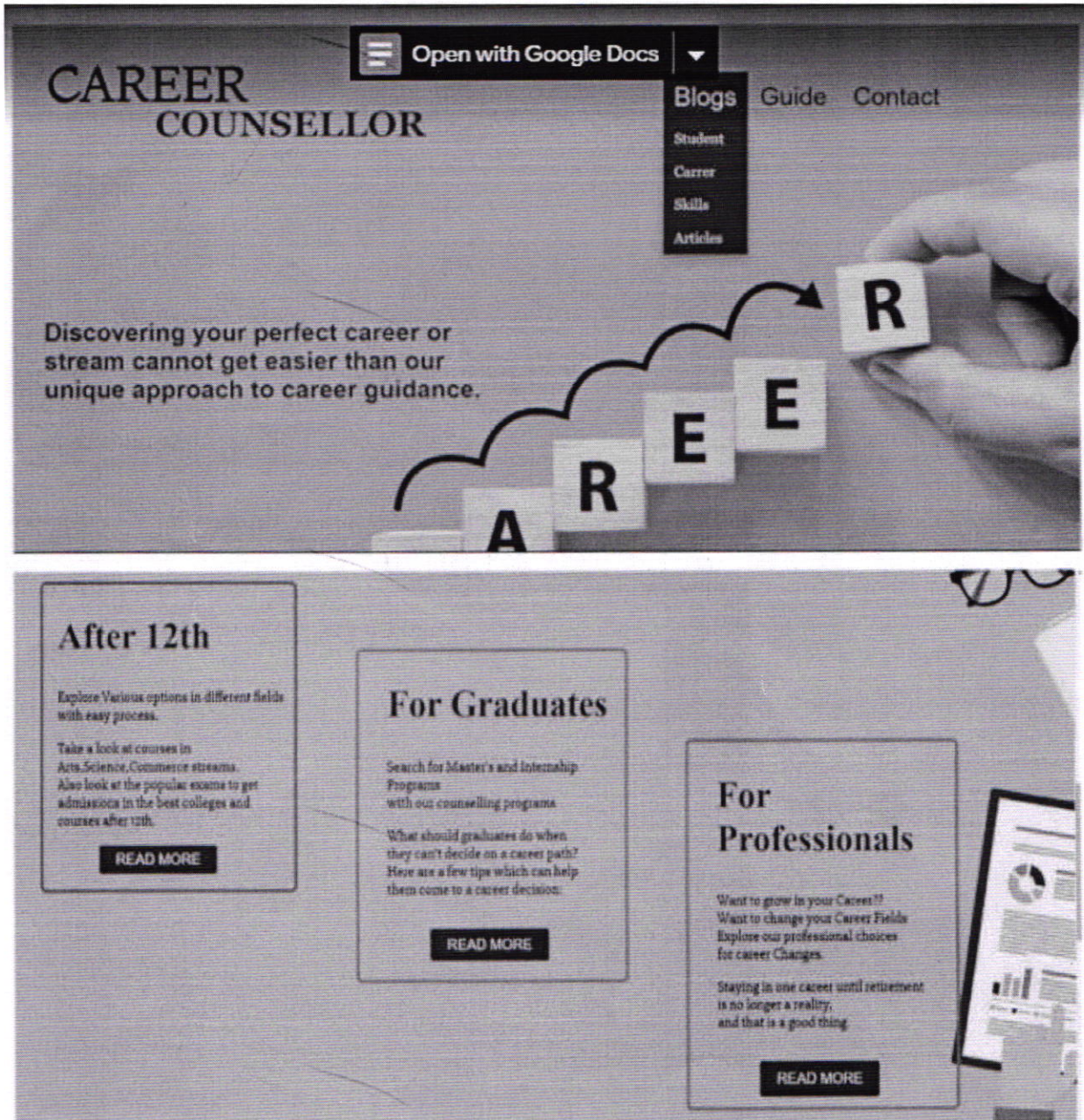
Poojitha

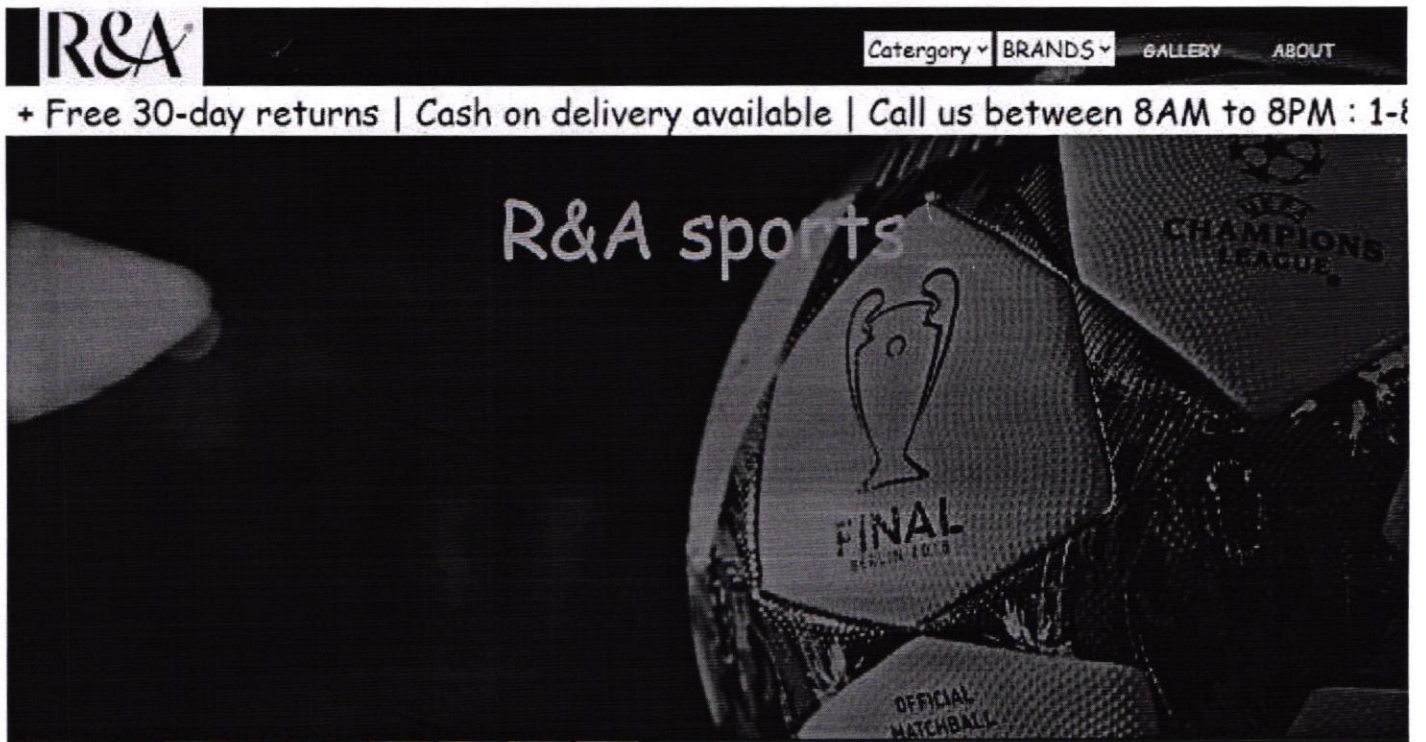
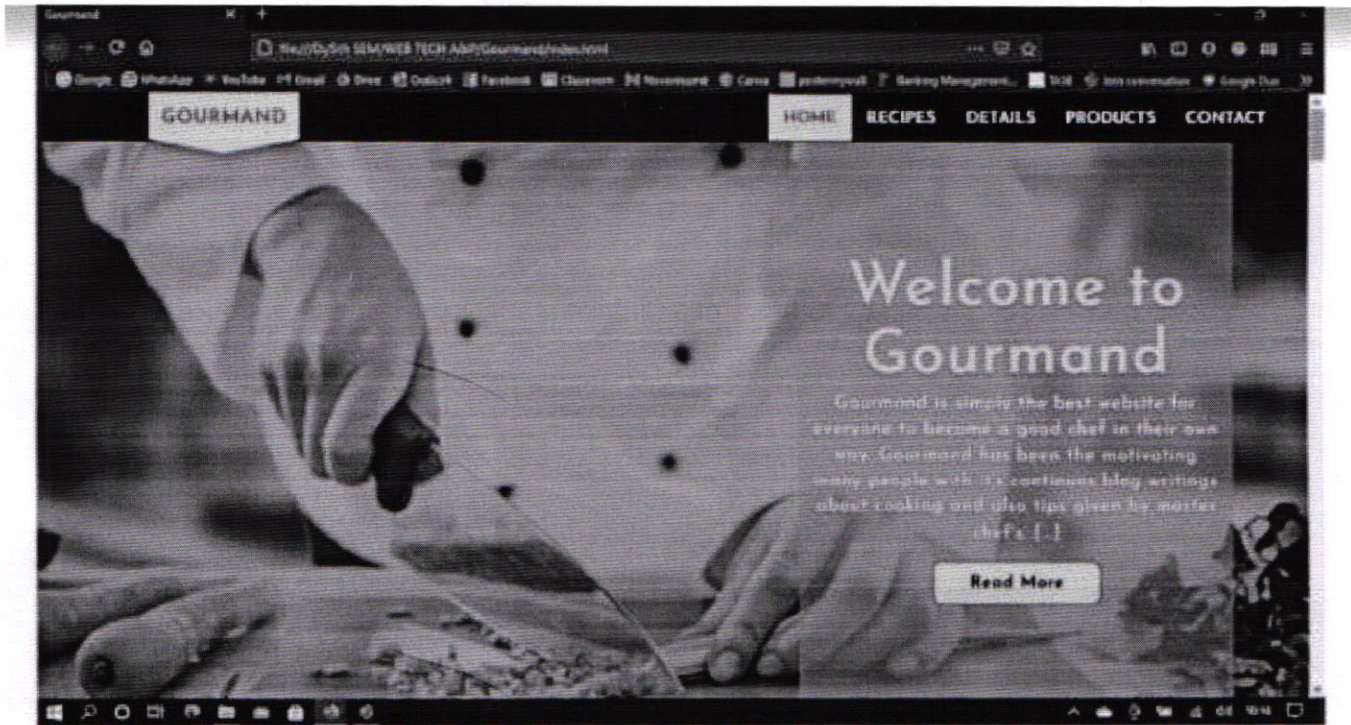
Head of the Department
 Department of Physics & Electronics
 Bharatya Vidyya Bhavan - Vivekananda College
 Sainikpuri, Secunderabad - 500 094.

B.com (comp.) Project work

- Dept. of Computer Science
Mrs. Jayalaxmi

B.com Computer science 6th semester students developed Model static web sites using HTML, DHTML, Script and Event handling methods.





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Naidu's Turf Grounds



For Bookings contact

Mr Naidu



Bharatiya Vidya
Bhavan

Department Of Microbiology, Bhavan's Vivekananda College, Sainikpuri

M.Sc Microbiology

List of M.Sc Students for projects (2019-20)

	Dr.K.Anuradha	Dr. S.P.Sreedhar Bhattar	Dr.P.Naga Padma /Dr.Smritha	Dr.J.Sarada	DrY.Aparna	Dr.Shalini devi	Mrs.S.Anju	Mrs.Chaitanya	Dr.V.Naryana Rao
1	G.S.Sneha	A.Pravallika	Supraja	P.N.L. SriLalitha	Kavya	P.Shanti Priya	Mahima	Madhuri	Narayana Swamy
2	P.L.Soujanya	Sravya Savithri	Poonam Pandey	C.Pravallika	Akshaya	Vanitha	B.Pravallika	Sunitha	Trishala
3	Sai Krishna	Praveen Kumar	Zameer	Abhishek	OM Murthy	Bindu	Geethika	Sushmitha Roy	Bushra
4	J.Aiashwarya	K.Sirisha	-	Vaishnavi Yadav	Bhavya	T.Sreja	Niharika	Prathusha	-



Bharatiya Vidya
Bhavan

Department Of Microbiology, Bhavan's Vivekananda College, Sainikpuri

M.Sc Microbiology

List of M.Sc Students for projects (2018-19)

	Dr.K.Anuradha	Dr. S.P.Sreedhar Bhattar	Dr.P.Naga Padma	Dr.J.Sarada	DrY.Aparna	Dr.Shalini devi	Mrs.S.Anju	Mrs.Chaitanya
1	B.Srikanth	P.Prathima	P.S.Shivani	B.Sree Vani Sagar	T.Blessy Jasper	S.Prashanth	B.Sanmita	G.Supriya
2	T.Deepa Singh	P.Sravani	S.Sandhya Rani	M.Sravanthi	G.Sai Tejaswini	S.Harika	A.Renuka	G.Akhila
3	M.K.R.Esha Mudiraj	K.Pinky	K.Vaishnavi	P.Gracy	G.Srinandini	Safiya Fatima		
4	N.Hemalatha	S.Padmini	Shah Yash	A.Sunitha	Ravi Pandey	GSNR Tejaswini		
5	A.Sowjanya	A.Kavya	S.Sowjanya	M.Harshavardhan	A.Ramya Krishna	S.Sudha Kiran		



Bharatiya Vidya
Bhavan

Department Of Microbiology, Bhavan's Vivekananda College, Sainikpuri

M.Sc Microbiology III Semester (Autonomous batch -2016-17)

List of M.Sc Students for projects (2017-18)

S.No	Dr.K.Anuradha	Dr.Sreedhar Bhattar	Dr.P.Naga Padma	Dr.J.Sarada
1	C.Sai Nalini	K.Anitha	C.Pragnya	T.Sai Manoj
2	P.Sowmya	A.Sameer Kumar	P.Sai Gayathri	V.Reshma Gupta
3	K.N.S. Susmitha	J.Praveen Kumar	Y.Maheshwari	K.Mokshitha
4	C.Swetha	D.Reema Rachel	S.Gaythri	M.Sagar Goud
5	S.Arun Kumar	B.Manasa Sai	Y.Chandana	B.Mounika
6	M.Akhila	G.Pavani	D.Naveen	M.Priya
7	A.Arjun	A.V.Sai Kishore	N.Amulya	Vijaya Sai
8	Laya	D.Madhu	Priyanka Yadav	G.N.Sai Thanmaye
9	D.Praveen		L.Krupakar Reddy	P. Sravya

**ISOLATION AND SCREENING OF TANNASE
(TANNIN ACYL HYDROLASE) PRODUCING MICROBES**

Project Submitted

To

Bhavan's Vivekananda College

By

K. MOKSHITHA

M.Sc. Microbiology

2017-2018



Under the Guidance of

DR. K. ANURADHA

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

ISOLATION OF LACTIC ACID BACTERIA AND THEIR ROLE IN FOOD PRESERVATION

Project Submitted

To

Bhavan's Vivekananda College

By

L. KRUPAKAR REDDY

M.Sc. Microbiology

2017-2018



Under the Guidance of

Dr. S. P. SREEDHAR BHATTAR

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094 (Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

**Studies on heavy metal tolerance of Epiphytic Bacteria
of *Eichhornia crassipes* from polluted lakes**

Project Submitted

To

Bhavan's Vivekananda College

By

DHARAMSOATH NAVEEN

M.Sc. Microbiology

2017-2018



Under the Guidance of

Dr. P. NAGA PADMA

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

DETECTION OF AHL SIGNALS FROM SPOILED FRUITS AND VEGETABLES

Project Submitted

To

Bhavan's Vivekananda College

By

M.Priya

M.Sc Microbiology

2017-2018



Under the Guidance of

Dr. J. Sarada

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

**Comparative evaluation of antioxidant
activity of *Brassica juncea* microgreens with
dry seeds**

Project Submitted

To

Bhavan's Vivekananda College

By

Chigurupalli Swetha

M.Sc. Microbiology

2017-2018



Under the Guidance of

Dr. Y. Aparna

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad - 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

Isolation, Extraction and Partial Purification of Antibiotic from *Streptomyces spp.* M31

Project Submitted

To

Bhavan's Vivekananda College

By

D. MADHU

M.Sc Microbiology

2017-2018



Under the Guidance of

Dr. S. SHALINI DEVI

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University

**Studies on heavy metal tolerance of Epiphytic Bacteria
of *Eichhornia crassipes* from polluted lakes**

Project Submitted

To

Bhavan's Vivekananda College

By

DHARAMSOATH NAVEEN

M.Sc. Microbiology

2017-2018



Under the Guidance of

Dr. P. NAGA PADMA

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

(Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

ISOLATION OF LACTIC ACID BACTERIA AND THEIR ROLE IN FOOD PRESERVATION

Project Submitted

To

Bhavan's Vivekananda College

By

L. KRUPAKAR REDDY

M.Sc. Microbiology

2017-2018



Under the Guidance of

Dr. S. P. SREEDHAR BHATTAR

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094 (Accredited with 'A' grade by NAAC)

Autonomous College - Affiliated to Osmania University

**Green synthesis of silver nanoparticles using *Aloe vera* extract
and assessing their antibacterial and antifungal activity against
skin infections**

Project Submitted

To

Bhavan's Vivekananda College

By

Gottipalli Supriya

M.Sc Microbiology

2018-2019



Under the Guidance of

Mrs. S. Chaitanya kumari

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

Of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

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1. REVIEW OF LITERATURE

4a. Nanoparticles

In the first three decades of the 21st century, society has been exposed to a large amount of nano-enabled products. The Nanotechnology Consumer Products Inventory currently lists 622 companies in 32 countries, which together produce 1814 nano-enabled consumer products (Peralta-Videa *et al.*, 2016). It is well known that metallic nanoparticles (MNPs) possess unique properties, different from the micro-sized materials, which allow multiple industrial, agricultural, and household applications. As a result, there has been an accelerated development and massive production of new MNPs to supply the ever-increasing demand for nanotechnology-based goods and devices. The estimated global production of MNPs for 2010 was of 260,000–309,000 metric tons. Several publications describe the traditional methods used to produce MNPs for industrial applications. To briefly summarize, the variety of techniques used for the mass production of MNPs have been grouped into two categories: “top-down” and “bottom-up” techniques. In top-down techniques, the process starts with a block of material that is crushed to the desired shape. Nano-enabled devices like computer chips and high-quality optical mirrors are produced using top-down techniques. In the bottom-up technique, small units (atoms or molecules) are assembled to make a larger structure. This technique is used to produce cosmetics, fuel additives, and molecular devices (Baker *et al.*, 2005).

4b. Approaches for Synthesis of silver Nanoparticles

Nanoparticles are synthesized by using various methods which are broadly divided into two main classes *i.e.* Bottom-up and top-down approach. These approaches are further classified as physical, chemical and biological subclasses based on the adopted protocols, operation and reaction condition.

ANTI BIOFILM ACTIVITY OF PLANT EXTRACTS ON PSEUDOMONAS BIOFILMS

Project Submitted

To

Bhavan's Vivekananda College

By

SAI GAYATHRI.PERI

M.Sc Microbiology

2017-2018



Under the Guidance of

Dr. J. SARADA

Project Supervisor

Department of Microbiology

Bhavan's Vivekananda College

of Science, Humanities & Commerce

Sainikpuri, Secunderabad – 500094

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Autonomous College - Affiliated to Osmania University

DECLARATION

3. To identify the phytochemical components in crude extracts by qualitative analysis.
4. Characterization of biofilms by SEM analysis.

2. REVEIW OF LITRATURE

A biofilm is a structured consortium of bacteria, embedded in a self-produced polymer matrix consisting of polysaccharide, protein and DNA. It comprises any group of microorganisms in which cells stick to each other and often also to a surface. A biofilm is an assemblage of microbial cells that is irreversibly associated (not removed by gentle rinsing) with a surface and enclosed in a matrix of primarily polysaccharide material, usually begins to form when a free-swimming bacterium attaches to a surface.

These adherent cells become embedded within a slimy extracellular matrix that is composed of extracellular polymeric substances (EPS). The cells within the biofilm produce the EPS components, which are typically a polymeric conglomeration of extracellular polysaccharides, proteins and DNA and help in adhesion.

2.1 LifeCycle of Biofilm formation

Biofilm formation is an endless cycle, in which organized communities of bacteria are encased in a matrix of extracellular polymeric substances (EPS) that hold microbial cells together to a surface these are thought to be determinant in 65–80% of all microbial infections. Depending on *P.aeruginosa* strains and/or nutritional conditions, different biofilm phenotypes can be developed . The process begins by the reversible adhesion of planktonic bacteria onto a surface suitable for growth (Stage I), followed by irreversible attachment of bacteria, which thereafter form microcolonies in EPS matrix (Stage II). Progressively, bacterial micro colonies expand and their confluences lead to a more structured phenotype with non-colonized space (Stage III). Then, non-colonized spaces are filled with bacteria, which finally cover the entire surface (Stage IV) Meanwhile, the growth of three-dimensional communities is observed (Stages III and IV). Finally, bacteria disperse from the sessile structure and reenter in planktonic state to spread and colonize other surfaces (Stage V).



Bharatiya Vidya
Bhavan

(Founded in 1938 by Kulapati Dr. K.M. Munshi)

BHAVAN'S VIVEKANANDA COLLEGE of Science, Humanities & Commerce

Estd : 1993 AFFILIATED TO OSMANIA UNIVERSITY
AUTONOMOUS COLLEGE

ACCREDITED WITH "A" GRADE BY NAAC

SAINIKPURI, SECUNDERABAD - 500 094. Ph : 27111611, 27115878

Date 18/4/19

CERTIFICATE

This is to certify that GSNR. Tejaswini , final year student of M.Sc Microbiology carried out a research project entitled "Screening of Acetamidrid tolerant plant growth promoting microorganisms", under the guidance of Dr. S. Shalini Devi, Project Supervisor, Department of Microbiology, Bhavan's Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from November 2018 to April 2019. This work has not been formed basis or any other degree either in part or in full.

Dr. K. Anuradha,
Head of the Department,
Department of Microbiology,
Bhavan's Vivekananda College,
Sainikpuri, Secunderabad.

18.4.19

Dr. S. Shalini Devi
Project Supervisor,
Department of Microbiology,
Bhavan's Vivekananda College
Sainikpuri, Secunderabad.

Prof. Y. Ashok,
Principal,
Bhavan's Vivekananda College,
Sainikpuri, Secunderabad.

M.K. 20/4/19
EXAMINER



MBA PROJECT GUIDE LIST 2019-20

SNO	HALL TICKET NO OR R	STUDENT NAME	TITLE OF THE PROJECT	GUIDE
1	140617672001	Karan Ksheersagar	Basel III Implemenatation -A study on selected indian public sector banks	Dr N S Chakravarty
2	140617672002	C Mamtha Rathore	Merger and Acquisiton at Flipkart and Myntra	Dr V Venumadhav
3	140617672003	Kumari Puja	A study on U.S. China Trade War	Dr MVS Mahendra
4	140617672004	N Sravya	Impact of flexible work schedule on work life balance in IT industry	Dr S Lalitha
5	140617672005	K Prathuysha	Comparitive analysis of customer behaviour towards online banking and offline banking	Dr Y Madhuri Srinivas
6	140617672006	A Mani deepak	A study on performance of IPO'S with reference to select sectors	Dr Kavitha Lal
7	140617672007	A Sharanya	A study on technical analysis on EUR/USD currency in Forex market	Mrs K Suvarchala Rani
8	140617672008	D Vishwa kumar	A study on impact of GST on Indian Economy	Mrs Achuta
9	140617672009	Devara Soumya Sree	A study on currency and gold derivatives	Mrs Ashwini
10	140617672010	MVS Sri Vijitha	A study on budget control system on Heritage Foods Ltd	Dr.N Rajendra Kumar
11	140617672011	Shruthi	A study on loans and advances of commercial banks	Dr N S Chakravarty
12	140617672012	T Shankar Shana	Comaritive study on Equity funds of select mutual fund companies	Dr V Venumadhav
13	140617672013	V Ravi Teja	Awareness of wealth management among individuals	Dr MVS Mahendra
14	140617672014	Kallem Vikram	A study of derivatives with special reference to HDFC bank Ltd	Dr S Lalitha
15	140617672015	Preeti Dayama	Analysis of the impact of dividend on market value of equity shares of select pharmaceutical companies in India	Dr Y Madhuri Srinivas

16	140617672016	Praneetha Maligi	The study of financial distress of automobile companies in India by using Altman's Z score	Dr Kavitha Lal
17	140617672017	S Vinitha	A study on factors affecting employee engagement in IT sector	Mrs K Suvarchala Rani
18	140617672018	P Nithisha	Financial analysis of IT sector	Mrs Achuta
19	140617672019	G Supriya	Impact of Fringe benefits on job satisfaction in IT sector	Mrs Ashwini
20	140617672020	K Lavanya Reddy	A study on customers awareness towards E - Banking services	Dr.N Rajendra Kumar
21	140617672021	Yash Agarwal	A study on corporate dividend policy of selected units of IT industry of India	Dr N S Chakravarty
22	140617672022	G Nikitha Yadav	Credit risk management (Axis Bank)	Dr V Venumadhav
23	140617672023	K Susmitha	Make in India- Impact on manufacturing sector	Dr MVS Mahendra
24	140617672025	K V Rohini	A study on work life balance of employees in BPO sector (with special reference to night shift employees)	Dr S Lalitha
25	140617672026	A Premica	A comparative study on equity analysis of SBI and ICICI	Dr Y Madhuri Srinivas
26	140617672027	K Praveen Reddy	A study on Foreign Direct Investment in India and focus on FDI in retail sector	Dr Kavitha Lal
27	140617672028	B Hari Shaakunthal	A study on comparative study of mutual funds in India	Mrs K Suvarchala Rani
28	140617672029	N Nihal	Customers perception towards food trucks	Mrs Achuta
29	140617672030	T Kranthi Kiran	A study on currency derivatives	Mrs Ashwini
30	140617672031	Gaurav Paul	Comparitive study on selected mutual fund schemes	Dr.N Rajendra Kumar
31	140617672032	E Ashok Nayak	A project report on product development lif cycle in KESORAM CEMENT CO. LTD	Dr N S Chakravarty
32	140617672033	K V Shirisha	Securitization in India	Dr V Venumadhav
33	140617672034	G V Adharsh	Comparitive analysis of Nationalized banks v/s Private banks	Dr MVS Mahendra

34	140617672035	N Snehalatha	A study on impact of work stress on employee performance in Information Technology Sector	Dr S Lalitha
35	140617672036	V Raghu	A study on financial performance of HDFC bank using ratio analysis (2013-2018)	Dr Y Madhuri Srinivas
36	140617672037	Mona S Aire	A study on consumer perception on traditional stores (BRICKS) and online stores (CLICKS) with reference to electronic goods	Dr Kavitha Lal
37	140617672039	Gopi Krishna	Role of micro finance in women empowerment	Mrs Achuta
38	140617672040	D sai Kiran	A study on impact of demonetization on E-Banking	Mrs Ashwini
39	140617672041	A Sandeep	A study on fundamental and technical analysis on equity of HDFC Bank	Dr.N Rajendra Kumar
40	140617672042	S Preetham	A role of insurance in economic development of India	Dr N S Chakravarty
41	140617672043	G Bharath Kumar	A study on partnerships in US taxation	Dr V Venumadhav
42	140617672044	A Naveena	Impact on demonetization on MSME	Dr MVS Mahendra
43	140617672045	Y Prudhvi	consumer perception towards online food ordering	Dr S Lalitha
44	140617672046	Irfan Farooq	A study on cash flow statement of Zuari Cement	Dr Y Madhuri Srinivas
45	140617672048	M Vishal	A study of financial planning of salaried employees and strategies for tax planning	Mrs K Suvarchala Rani
46	140617672049	Y Munawar Basha	Investment Behaviour of working women	Mrs Achuta
47	140617672050	M Alcy	A study on impact of performance appraisal on employee motivation	Mrs Ashwini
48	140617672051	S Sandeep	A study on management of portfolio	Dr.N Rajendra Kumar
49	140617672052	R Deepak	Profitability analysis on India cement	Dr N S Chakravarty
50	140617672053	A Sravani	A study on employee retention strategies in select hyderabad based listed pharmaceutical companies	Dr V Venumadhav

51	140617672054	K Nora Jennifer	A study on employee welfare measures of HDFC bank	Dr MVS Mahendra
52	140617672055	K Mounika	Home loans of ICICI Bank	Dr S Lalitha
53	140617672056	D Sheel Kumar	Cost analysis and control in Medplus	Mr Nithin Bharadwaj
54	140617672057	K Aishwarya Reddy	Impact of organizational climate on employee commitment	Dr Kavitha Lal
55	140617672058	Tunk Rajkumar	A study on public awareness towards smart cities	Mrs K Suvarchala Rani
56	140617672060	V Vishal	A study on the investors perception on selected stock broking firms	Mrs Ashwini
57	140617672061	Leema Maria lype	A study on factors influencing customer's investment decision towards life insurance policies	Dr.N Rajendra Kumar
58	140617672062	G Supriya	A study on Pardhan Mantri Jan Dhan Yojana	Dr N S Chakravarty
59	140617672063	Afreen Ansari	A study on the impact of performance management system on the employees of NTPC , Hyderabad	Dr V Venumadhav
60	140617672064	Sai Praneetha .B	A study on analysis of weekend effect in the indian stock market	Dr MVS Mahendra
61	140617672065	L Hima Teja	A study on customer satisfaction towards telecom services	Dr S Lalitha
62	140617672066	B Divyaja	A comparative study of online trading and offline trading through stock brokers of India Bulls and EDEL WEISS	Dr Y Madhuri Srinivas
63	140617672068	Vasundhara kamalla	A study on impact of celebrity endorsement on purchasing behaviour of consumers	Dr Kavitha Lal
64	140617672069	S P Neehalika Bavva	A study on investor perception towards Unit Linked Insurance plans(ULIPS)	Mrs K Suvarchala Rani
65	140617672070	M Goutham	Systematic investment plan (SIP) under large scale companies	Mrs Achuta
66	140617672071	N Manoj kumar	A study on the customers perception on the promotional mix of insurance products used for the growth of the companies	Mrs Ashwini

67	140617672072	Amala Rose C.L	A study on performance of Pradhan Mantri Mudra Yojana	Dr.N Rajendra Kumar
68	140617672073	N Manmohan	A study on cost analysis and control (Bharath tubes)	Dr N S Chakravarty
69	140617672074	M Siva Sindhura	Investment in CRYPTO currencies -Problems and prospects	Dr V Venumadhav
70	140617672075	Navya Sree P	Students perception towards entrepreneurship	Dr MVS Mahendra
71	140617672076	Divya Pulugu	Role of advertising in FMCG sector with reference to Big Bazaar	Mr Nithin Bharadwaj
72	140617672077	V Anil Reddy	A study on consumer behaviour towards healthy life style and nutritional habits	Mr Nithin Bharadwaj
73	140617672078	G Apporva	A study on assesment of finacial literacy among working women in educational sector	Dr Kavitha Lal
74	140617672079	D Sahithi	A study on performance evaluation of balanced funds of select mutual fund companies	Mrs K Suvarchala Rani
75	140617672081	K Supriya	A comparitive study on the impact of stress on employee performance among government and private sector	Mrs Ashwini
76	140617672082	Guddeti Pavani	Customer perception towards investing in chit funds	Dr.N Rajendra Kumar
77	140617672083	E Jayarama Krishna	Portfolio management services of Sharekhan Ltd	Dr N S Chakravarty
78	140617672084	R Ravalika	Impact of rewards and recognition on employee motivation and employee performance in BPO industry	Dr V Venumadhav
79	140617672085	V Niharika	A comparitive study of exchange traded funds v/s index funds	Dr MVS Mahendra
80	140617672086	Shaik Naseema	A study on capital budgeting of Dr Reddy's Laboratories	Dr S Lalitha
81	140617672087	Divya Bhavani	A study of financial statement analysis of Tata Consultancy services (2013-2018)	Dr Y Madhuri Srinivas

82	140617672088	K Priyanka	A study on Non Performing Assets of select public sector and private sector banks	Dr Kavitha Lal
83	140617672089	G Sowmya	A study on Millennial investors perception towards tax planning	Mrs K Suvarchala Rani
84	140617672091	C H Vaundhara Devi	A study on gold as an investment avenue	Mrs Ashwini
85	140617672092	C H Vikhitha	A study on macro economic factors affecting stock market	Dr.N Rajendra Kumar
86	140617672093	L Ratnakar	A study on investors behaviour for selected asset classes in Hyderabad	Dr N S Chakravarty
87	140617672094	B Pooja	A comparative study on retail banking products/services in select public sector banks	Dr V Venumadhav
88	140617672095	V Sravanthi Reddy	A study on scams in derivatives market in India	Dr MVS Mahendra
89	140617672096	N Naresh	Customer perception in buying smart phones	Dr S Lalitha
90	140617672097	Deepika Tiwari	Employees satisfaction at Thomson Reuters	Dr Y Madhuri Srinivas
91	140617672098	T V Shivani Manikanta	A study on financial health of select public and private banks using altman's Z-score model	Dr Kavitha Lal
92	140617672099	K Priyanka	A study on financial performance of future retail in Big Bazaar	Mrs K Suvarchala Rani
93	140617672100	Ashish Kumar Chowdhary	A comparative study of Non performing assets of select public sector banks	Mrs Achuta
94	140617672101	T Mahesh	A study on financial literacy of IT sector (working employees) in Hyderabad	Mrs Ashwini
95	140617672102	C H Anudeep	A study on consumer satisfaction towards Jio	Dr.N Rajendra Kumar
96	140617672103	M S Varun	A study on industrial relation management in GTN textiles	Dr N S Chakravarty
97	140617672104	Shaik Khaja Vali	Income tax planning in India with respect to individual assessee	Dr V Venumadhav

98	140617672105	N Sai Kumar	Intelligence and academic commitment of students	Dr MVS Mahendra
99	140617672106	R Sai Kumar Goud	A study of people's perception on mission Bhagiradha in Telangana state	Dr S Lalitha
100	140617672107	M Sai Kumar	Stock markets analysis and key factors affecting stock markets	Dr Y Madhuri Srinivas
101	140617672108	S Swetha	A study on effectiveness of training process at Universal telecom services	Dr Kavitha Lal
102	140617672109	Sheik Shahanaj	A study on Non Performing Assets with reference to Corporation Bank	Mrs K Suvarchala Rani
103	140617672110	K Maheshwari	Risk and return analysis of selected banks	Mrs Achuta
104	140617672112	Dheeraj	A study on consumer preferences towards chocolate brands - "Cadbury & Nestle"	Mr Nithin Bharadwaj
105	140617672113	R Dinesh	Investment decision analysis of ICICI Bank	Dr S Lalitha
106	140617672114	Leander Arthur Duarte	Consumer behaviour towards ITC products(food & personal care)	Dr Y Madhuri Srinivas
107	140617672115	M Mallikarjun	Social media as a marketing tool "perception of retailers and wholesalers"	Dr Kavitha Lal
108	140617672116	M A Nadeem Sohail	Financial statement analysis of Britannia Industries	Dr S Lalitha
109	140617672117	M Indu Pratima	A study of balanced business scorcard of G.K. ARPL	Dr Y Madhuri Srinivas
110	140617672118	Shaik Mohammed Khasim	Consumer behaviour on digital media advertising on mobile phones	Mr Nithin Bharadwaj
111	140617672119	T Praveen Kumar	Impact of Demonetization of NEFT transactions	Mrs Achuta
112	140617672120	K N Kasyap	Role of dealers in distribution channels	Mr Nithin Bharadwaj



Bhavan's Vivekananda College
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Sainikpuri, Secunderabad – 500 094
Department of Management Studies
Project Guides for BBA III YEAR (2019-20)

Sl.No	Name of the Guide		Allotted Students (Hall ticket No.)						
1.	Dr. N. S Chakravarty	1	9	17	25	33	41	56	
2.	Dr. MVS Mahendra	2	10	18	26	34	42	57	
3.	Dr. S Lalitha	3	11	19	27	35	43		
4.	Dr. V. Venumadhav	4	12	20	28	36	45		
5.	Dr.Y.Madhuri Srinivas	5	13	21	29	37	46		
6.	Dr. Kavitha Lal	6	14	22	30	38	47		
7.	Mrs K. Suvarchala Rani	7	15	23	31	39	48		
8.	Mrs. V.Ashwini	8	16	24	32	40	49		
9.	Mrs.G.Archana	58	59	60	62	63	69		
10.	Mrs.Lalitha Supriya	50	51	52	53	54	55		

(Dr.N.S.CHAKRAVARTY)

BBA STUDENT'S FINAL YEAR PROJECT TITLES (2017-20)

SL No	Roll No	Names	Final Year
1	107217684001	A NIKITHA	A study on financial statement analysis of ICICI Bank
2	107217684002	A VARAPRASAD	MORE SUPERMARKET
3	107217684003	B REVANTH	CONSUMER AND OWNER'S PERCEPTION ON FOOD TRUCKS
4	107217684004	BALUSU HEMA	A study on design, implement and maintenance of non financial rewards, process and practice for employee motivation in Gemini Consulting & services Inida Pvt Ltd.
5	107217684005	B JAYA PRAKASH	A STUDY ON IMPACT OF GST ON SMALL BUSINESSES
6	107217684006	VAMSHI KRISHNA	A STUDY OF CONSUMER BUYING BEHAVIOUR OF TWO WHEELERS IN TWIN CITIES
7	107217684007	CH DEEKSHITHA	Financial Awareness and Investment Behaviour of Salaried Class in Hyderabad
8	107217684008	D SRI SUMALIKHAW	Consumer perception towards Online Food Ordering and Delivery Services.
9	107217684009	HANISHA K	A STUDY ON BRAND LOYALTY TOWARDS VARUN MOTORS
10	107217684010	J SURESH	Comparative study of Zee Telugu and Star MAA
11	107217684011	J SAI TARUN	Study on NPA of select banks in India
12	107217684012	K SURESH	A select study on "Recruitment and Selection" strategies of Manpower providing consultancy services to select IT and ITES companies of Hyderabad
13	107217684013	K SRINIVAS	Role of Social Media in Talent Acquisition
14	107217684014	NINALA SUSMITHA	A study on impact of compensation policies on employee satisfaction at Sri Lakshmi Narasimha Chit Fund Private Limited
15	107217684015	P V NAGA DEEPIKA	Customer Perception towards Cyber Crime with respect to banking sector
16	107217684016	RAHUL OZHA	A STUDY ON INVESTORS PERCEPTION ABOUT MUTUAL FUNDS
17	107217684017	RUTTALA VARSHITHA	A comparative study on IOS and Android.
18	107217684018	SRAVYA GAJAM	Performance in IT Sector
19	107217684019	S UMA NITESH	"A STUDY ON IMPACT OF BRAND AMBASSADORS IN CONSUMERS BUYING BEHAVIOUR
20	107217684020	SHAIK SAMEER PASHA	"A STUDY ON POST PURCHASE BEHAVIOUR OF CUSTOMER OF ROYAL ENFIELD POWER BIKES IN TWIN CITIES OF HYDERABAD AND SECUNDERABAD"
21	107217684021	SOMALLA AJAY	A comparative study on promotional strategies of the KFC and McDonald's in Hyderabad
22	107217684022	TATA NAGA SWETHA	A study on the effect of employee personality on organizational performance.
23	107217684023	UPPUTURU SAI TEJA	"A STUDY ON STUDENTS PERCEPTION TOWARDS BITCOIN AS AN INVESTMENT AVENUE"
24	107217684024	VANGA ARUN REDDY	"A STUDY ON INTRODUCTION OF AUTOMATION AT TMR ENTERPRISES"

25	107217684025	VANGETI AKHIL REDDY	Customer perception towards Jio Vs Airtel
26	107217684026	Y VARUN	A study on innovative HR practices on selected companies in IT sector
27	107217684027	A ALEX JOSEPH	A study on perception of people on online education
28	107217684028	CHANDRA PRAKASH	A study on Franchiser's Promotional Strategy of New York Slice (ECIL)
29	107217684029	ARYA NANDAN	A study on consumer perception with reference to online food system in Hyderabad
30	107217684030	BANSODE SANJANA	Impact of Organizational Culture on Employee Performance.
31	107217684031	CHEZHAN CHOWDARY	A study on financial performance of select IT companies.
32	107217684032	DISHA PATEL	A study on perception of youth on NITI Aayog's electric vehicles policy
33	107217684033	GAJERA AKSHI	Report on Financial literacy among working women of education sector in twin cities
34	107217684034	K SHRAVYA NIKHILA	A study on consumer perception towards Paytm.
35	107217684035	KRITHIKA THAKUR	Tax planning of individuals in India
36	107217684036	HRITHIK KUMAR	A study on reuse pattern of polyethylene terephthalate (PET) bottles in twin cities of Hyderabad and
37	107217684037	MATTEDDULA SRIVANI	Comparative analysis of mutual funds - IIFL
38	107217684038	MUBEEN TAJ S	Effect of Stress on Employee Performance in IT Sector
39	107217684039	M V SIVA PRIYA	A STUDY ON PROPERTY MANAGEMENT AT JONES LANG LASALLE
40	107217684040	NIDHI SARAF	A study on perception of attendees towards an event
41	107217684041	NIKHIL PATEL	CUSTOMER PERCEPTION ON E-BANKING
42	107217684042	PREKSHA PATEL	"VENDOR MANAGEMENT – A STUDY OF TSE ENTERPRISES LIMITED"
43	107217684043	SAKSHI KINIKAR	Electronic Payment Systems in India
44	107217684045	SINDHU P	V.K. TECHNOLOGIES FOR THE PERIOD OF 2016-19."
45	107217684046	SURABHI SARNA	IMPACT OF WORK-LIFE BALANCE ON WELL-BEING OF EMPLOYEES IN E-COMMERCE SECTOR
46	107217684047	THAKUR SAIDEEP	Brand awareness of armor 8
47	107217684048	A VAMSI ADITYA	Film industry trade
48	107217684049	TOOPRANI SRILEKHA	A study on men versus women Leadership Styles in Workplace in IT Sector
49	107217684050	BARI SRINIVAS	Equity analysis of SBI And AXIS bank
50	107217684051	C GANGA CHUSVIKA	"DISPARITIES ON RISK AND RETURN ANALYSIS OF HDFC AND ICICI SECURITIES "
51	107217684052	KAMINI YASHWANTH	Performance of blue chip companies in Indian Stock Market
52	107217684053	K PRANAY RAJ	A study on Recruitment and selection in SBI Life Insurance
53	107217684054	KONKIMALLA SRIYA	Impact of advertising on car purchasing decision

54	107217684055	M V N CHAITANYA	strategies of branded jewellery stores
55	107217684056	MAKUTAM SONY	The effect of work environment on employee performance
56	107217684057	MEGHA GOPINATH	A study on the role of family in managing stress
57	107217684058	MITTAPALLI BHAVANI	Consumer preference among soft drink brands in Hyderabad.
58	107217684059	SAI SUGANDHI	Grievance handling in IT sector, Hyderabad
59	107217684060	AASHIKA SRIVASTAVA	Emotional Intelligence of employees and it's impact on job performance in IT Sector
60	107217684062	LONGWANI PATRICIA	COMPARATIVE STUDY ON CONSUMER'S SHOPPING PREFERENCE IN RETAIL INDUSTRY WITH SPECIAL REFERENCE TO RELIANCE FRESH AND MORE SUPER MARKET IN HYDERABAD
61	107217684063	HAPPINESS PIUS KABEYA	INDUSTRY WITH SPECIAL REFERENCE TO BIG BAZAAR AND D-MART, HYDERABAD
62	107268416068	Asmail	A comparative study on consumer perception of aviation companies with respect to Airline & Jet Airways Hyderabad
63	107268416069	Ahmed	A study on customer preference on major fast food joints in India Mcdonald's and KFC



**Bharatiya Vidya
Bhavan**
**Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
(Accredited with 'A' grade by NAAC)
Autonomous College - Affiliated to Osmania University**

Department of Languages: English

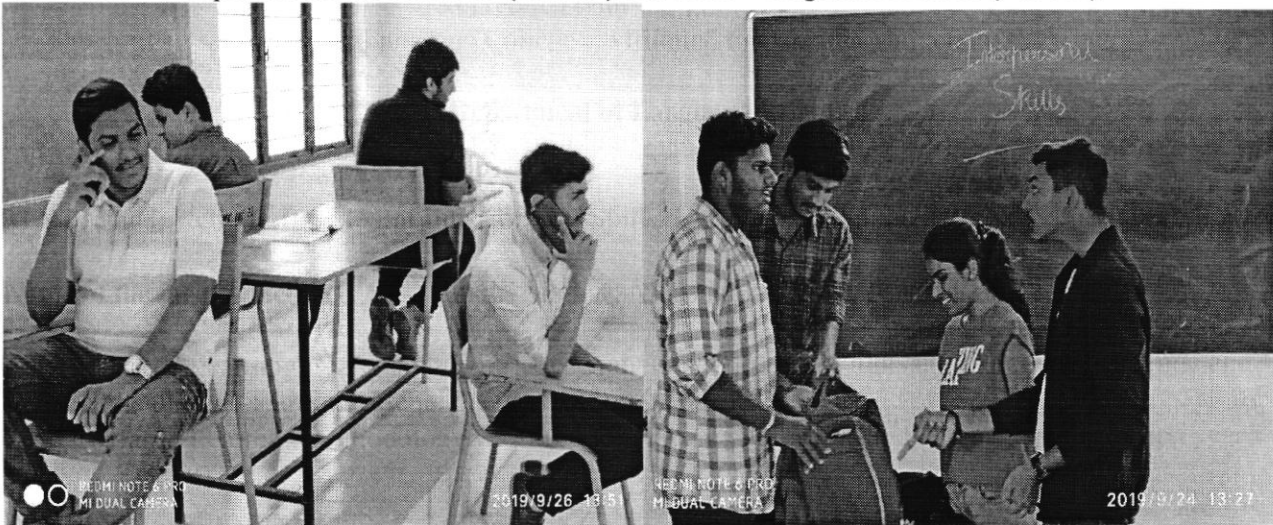
TLE Method: Activity Based Learning (for Soft Skills, Language Skills) – 2019-20

Name of the faculty member: Ms Madhuri Mathur, Assistant Professor (English)

Activity Based Learning is a student-centric teaching methodology. It aims at inculcating academic and social skills through learning-oriented activities.

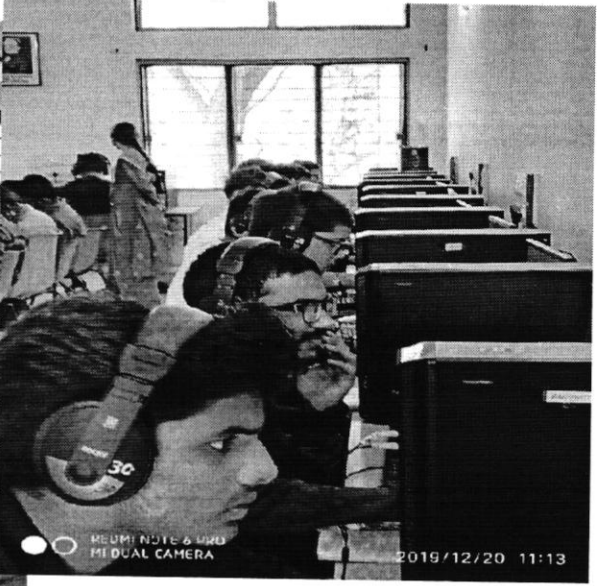
Activity Based Learning methodology was used for teaching soft skills and language skills to first year UG students.

Soft skills – Telephonic Communication (26.9.19) Soft skills – Negotiation skills (24.9.19)



Listening skills – Practical session

Speaking skills – Group Discussion (9.9.19) with language software (20.12.19)





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Department of Languages: English
TLE Method: Book Review

Faculty – M.Anila
Department of languages
Semester -IV :
Prescribed text book : English in Use
Unit-4 – Book Review
Date- November 2019

Writing a book review is one of the advanced writing skills that has been included in the English syllabus for Semester-IV students. To write a book review, students need to have sound reading and comprehension skills. They also need to critically analyse the book and express their thoughts effectively in suitable words.

Students were taken to the library and directed to pick a book of their liking. They were first asked to note down the details of the book, its author and then to start reading the book. They were encouraged to put down some points as they read the book which would be helpful for them to write a review.



