



# 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 VI: -  
Governance,  
Leadership and  
Management

6.5.3  
Collaborative Quality  
Initiatives  
2019-20

*Submitted to*

**National Assessment and Accreditation Council**

**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND  
COMMERCE, SAINIKPURI, SECUNDERABAD.  
Autonomous College  
Affiliated to OSMANIA UNIVERSITY, Hyderabad.  
(Accredited with 'A' grade by NAAC)**

**VALUE ADDED COURSE 2019- 2020**

**Report**

**Value added course With Indian Institution Of Packaging, Hyderabad.**

The final year life science students of Bhavan's Vivekanada College, attended a certificate course on concepts of packaging at **Indian Institute of Packaging, Hyderabad**, on **7<sup>th</sup> Feb, 2020** under Star-DBT scheme. In total 20 students attended this course. The course gave an insight on packaging. It explains the concepts of packaging and also highlights packaging as a career. A Part of the course was conducted by Indian Institute of Packaging at their premises and rest of it was handled by the department of Chemistry, BVC. The total duration of the course is 32 hrs.

This course is funded by DBT Star College Scheme.





## Workshop on Nanomaterials 2019-2021

A two-day workshop was conducted for B.Sc life Science students by the department of Chemistry along with **CSIR-IICT** on “Introduction to Nanomaterials : Carbonaceous Nanomaterials from natural resources and their potential Applications” on 05/12/2019 and 09/12/2019 by Dr.Sutapa Ghosh ,Principal Scientist ,CSIR-IICT ,Hyderabad . The workshop was conducted under Star-DBT scheme.

47 students of BtGC sem VI participated in the workshop.



# Report on one - day workshop on

## SANSKRIT COMPUTATIONAL LINGUISTIC TOOLS

(8th August 2019)

A one-day workshop was organized by the Department of Languages, **Bhavan's Vivekananda College, Sainikpuri** Secunderabad in collaboration with Sanskrit Academy Osmania University on 8th August 2019 in the MBA Seminar Hall, Room no. 208.

### Inaugural Session

The Inaugural program was graced by Air Commodore JLN Sastry, VSM - Vice Chairman, Bharatiya Vidya Bhavan, Vice Principal - Mrs. B. Niraimati and Workshop Convener - Dr. C Kameswari, **Dr. K. Varalakshmi** - Deputy Director Sanskrit Academy Osmania University and keynote speaker - **Dr. Tanuja A jotikar** - Co- Director, Department of Sanskrit, IIIT, Hyderabad.

Dr. C. Kameswari welcomed the dignitaries and the participants and briefed them about the objective of the workshop. She emphasized that everyday teaching has become a challenge for the teacher which in turn increases the need for awareness amongst the teachers regarding the advancements in the usage of technical tools. Air Commodore JLN Sastry spoke about the significance of Sanskrit language as reflected in the Vedas and Epics. He expressed his gratitude to the Sanskrit academy for obliging to collaborate with the college to conduct the workshop. Mrs. B. Niraimati appreciated the initiative taken by the Department of Languages for conducting such a workshop which would enable the teachers and research scholars to be aware of the technological aids which would upgrade the teaching methodologies.

### Keynote Address

**Dr. Tanuja A jotikar** - Co- Director, Department of Sanskrit, IIIT, Hyderabad spoke about the benefits of digitizing and tagging of Sanskrit texts and research work so that they can be accessed from any part of the world. The address comprised a power point presentation on the computer and googling techniques which can be employed to extract information about Sanskrit Puranas, Vedas, Shlokas and their meanings. The session focused on the incredible ways in which technology can be used to learn and explore Sanskrit language.

The keynote speaker was felicitated by Air Commodore JLN Sastry, VSM - Vice Chairman, Bharatiya Vidya Bhavan and Vice Principal - Mrs. B. Niraimati, Bhavan's Vivekananda College, Sainikpuri, Secunderabad.

### Session 1 & 2

The first and second sessions which commenced after the tea break, were conducted by **Dr. K. Varalakshmi** - Deputy Director, Sanskrit Academy, Osmania University. The sessions aimed at elucidating various linguistic tools used for processing Sanskrit language for morphological analysis, generation and segmentation. Word generators which help in identifying and differentiating the various functions of a word, Word analyzers which help in understanding the

various grammatical aspects of a word, Sentence level analyzers which help in analyzing the words in a given sentence based on the parts of speech, Sanskrit –Hindi translation and the use of CLT toolkit were discussed at length which could be effectively used by Sanskrit teachers and research scholars. The session also encompassed the use of Sandhi splitter which shows all possible splittings of a given Sanskrit string of characters and Morphological generator, which shows the inflectional and some derivational forms of a given noun or a verb.

### **Session 3& 4**

The Technical sessions were conducted by **Mr. SanjeevPanchal, Mr. SanalVikram** and **Mr. Malay Maity** from the Department of Sanskrit, University of Hyderabad. They have complimented Dr. VaraLakshmi's insights into practical knowledge and divided all the participants into 8 groups. The participants were taught to use smart phones and modern technology to teach various aspects like *Kaarak, Vibhakthi, VaakyaNirmaanPrakriyato* the students.

### **Valedictory**

The workshop concluded by the valedictory session. Dr. C Kameswari, Convener for the workshop & Head, Department of Languages appreciated the inputs given by the keynote speaker and resource persons and shared her learning experience with the audience.

The workshop was attended by 39 participants which included Dr. Raj Narayan Awasthi – Hindi Officer ECIL Hyderabad and Sanskrit teachers, research scholars from various reputed colleges like Sanskrit Academy, St. Francis Women's College, St. Ann's College for women, St. Pious Degree college, Avinash Degree College, Bhavan's Sri Ramakrishna Vidyalaya Sainikpuri, Bhavan's Sri Aurobindo Junior College, SVVVS College, Badruka College, Potti Sri Ramulu Telugu Univeristy, Nampally, University Arts & Science College, Kakatiya University Warangal, Andhra University Guntur, Vivekananda Government Degree College The workshop was enriching and informative for the delegates.

Dr. Raj Narayan Awasthi – Hindi Officer ECIL Hyderabad, appreciated the insights given in the workshop and expressed though, he has knowledge in technical tools, he was there to learn more technical aspects which would help him in his future research work. He also added such workshops should be conducted for two days to improve more technical knowledge and hands-on experience. Dr. MuktaVani - Vivekananda Government Degree College, Hyderabad and Mrs. Sridevi –St. Ann's College for women, Mehdipatnam, Hyderabad emphasized on conducting such workshops for two days in future which would provide immense technical knowledge to the teachers, so that they can apply that in their regular teaching pedagogies.



Bharatiya Vidya  
**Bhavan**



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AUTONOMOUS COLLEGE, AFFILIATED TO O.U

&

भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

*Jointly Present a Webinar on*

## "e - Workshop on Virtual Labs"

14<sup>th</sup> May, 2020

No Registration Fee

Registration Link

<https://forms.gle/LUPJz9seBanJhEYd8>

Platform

Microsoft Teams

LIVE from

2.30 p.m - 4.00 p.m

Limited Seats Available



An MHRD Govt of India Initiative

**SPEAKER**



**Dr. SANTOSH BISWAS**  
Asso. Professor

Department of Computer Science & Engineering  
Indian Institute of Technology, Guwahati-781039  
India

### Contact

Mrs B Niraimathi (HOD)

Department of

Physics & Electronics

9989741098/8885881386

Mrs V R Manjula

Department of

Physics & Electronics

9676499011

e- Certificate will be provided

Session ID will be shared through whatsapp/e-mail

**Organized by**  
**Department of Physics & Electronics**

## **Report on Virtual Labs Webinar**

### **Webinar on 'Virtual Labs' on May 14<sup>th</sup> 2020**

The Department of Physics and Electronics has organized a webinar on May 14<sup>th</sup> to equip the faculty with necessary tools and software relevant for online teaching. **Virtual labs** is an MHRD initiative which makes available the Experimental learning of basic concepts of science online at the learner's own place, pace and time. Viewing the simulations and interacting would provide an additional way of gaining deeper insight in the subject.

Dr. Santosh Biswas, Head, Department of Computer Science, IIT Guwahati has delivered the lecture on Use of Virtual labs in performing the experiments online. He demonstrated various experiments from Electronics, Computer Science and Physics using Virtual Labs. About 400 faculty of various colleges all over India have participated in the webinar which is followed by an Interactive session.





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 :** 06.05.2020

To  
Dr. Santosh Biswas  
Department of Computer Science  
and Engineering  
IIT Guwahati  
781039.

**Subject: Webinar on Virtual Labs**

Bhavan's Vivekananda College was established in 1993 under the aegis of Bharatiya Vidya Bhavan, and has completed twenty six years of selfless service in the field of education. The college is affiliated to Osmania University and was granted Autonomy by UGC In 2015. The college is also accredited with 'A' grade by NAAC. BVC is placed among the top 200 colleges in the country in the NIRF ranking for both 2018 & 2019.

Today, the college has completed more than 25 illustrious years in the journey of edifying countless minds and has become one of the most sought after institutions in the twin cities. The college has grown by leaps and bounds and it currently has a strength of more than 3600 vibrant students and 128 dedicated faculty members.

The Department of Physics and Electronics was established at the inception of the college in 1993. The Department has well-furnished, spacious and well equipped laboratories with strength of about 600 students and 8 experienced faculty members in the department. The department is sanctioned with UGC Minor Research Project with a funding of Rs.3,00,000 and also selected under **STAR COLLEGE SCHEME** by the DBT.

During this pandemic, (COVID-19) as we are locked down at our residences, we wish to equip the Faculty Members with necessary tools and software of Virtual labs. Such faculty will facilitate training students in using Virtual labs. As we have necessary faculty and infrastructure, we request you to consider us being the nodal centre for providing training on Virtual Labs.

We look for your kind consideration and assure you of our best efforts in this regard.

With Regards,

Prof. Y Ashok  
PRINCIPAL

**(Dr. Y. ASHOK)**  
PRINCIPAL

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



Bharatiya Vidya  
**Bhavan**



## **BHAVAN'S VIVEKANANDA COLLEGE**

OF SCIENCE, HUMANITIES & COMMERCE

SAINIKPURI, SECUNDERABAD- 500094

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AUTONOMOUS COLLEGE, AFFILIATED TO O.U

**Indian Institute of Technology, Guwahati**

### *Certificate of Participation*

This is to certify that

<<name>> of <<collegename>>

*has participated in Webinar on  
e-Workshop on "Virtual Labs"*

*organized by Department of Physics & Electronics on 14<sup>th</sup> May 2020.*

**Mrs. B. Niraimathi**

HOD, Department of Physics & Electronics

**Dr. Santosh Biswas**

Dept. of CSE, IIT Guwahati

**Prof. Y. Ashok**

Principal



An Initiative of

**Ministry of Human Resource & Development (MHRD)**

under the aegis of

**The National Mission on Education through ICT (NMEICT)**

*A boon for the Covid-19 gloomy days*





## Experiments

The broad list of experiments is as follows. Within each experiment, there are many sub-experiments.

## User Manual

The user manual for performing the experiments is given. [Click here](#) to read the manual.

### 1. Familiarization of ICs

- 1. Testing of AND Gate
- 2. Testing of NAND gate
- 3. Testing of OR Gate
- 4. Testing of NOR gate
- 5. Testing of XOR gate

### 2. Combinational Circuits

- 1. Sum of Product
- 2. Product of Sum
- 3. Half Adder Using Logic Gates
- 4. 1 Bit Full Adder Using Logic Gates
- 5. Implementation of Boolean Functions using MUX
- 6. BCD-to-Seven Segment Display

### 3. Sequential Circuits

- 1. J-K Flip flop
- 2. up counter
- 3. Shift Register
- 4. State Machine Implementation

## Quick Links

- [Virtual Lab](#)
- [IIT Guwahati](#)
- [NPTEL](#)
- [Proposal for Remote Triggered Digital System Laboratory](#)

### Experiments are to ready

- 1. Implementation of Boolean functions using MUX
- 2. BCD to Seven Segment Display
- 3. Design and implementation of shift registers
- 4. Design of state machines based on specifications

 **From G.MAGESH to All**  
s sir



Intorduction Theory Procedure Experiment 1 Quiz

1st harmonic  
3rd harmonic  
5th harmonic  
7th harmonic  
9th+11th+.....

channel 1  
channel 2

phase1  
phase2  
neutral

30 f1  
30 f2  
4 i1  
4 i2

coil position

90 135  
45 180  
0 Phase Shift 1&2

Recording

Activate Windows  
Go to Settings to activate Windows.

14-May-20

## Zener Diode

Voltage across Series Resistance ( $V_s$ ) :  
 Current through Series Resistance ( $I_s$ ) :  
 Current through Load Resistance ( $I_L$ ) :  
 Current through Zener Diode ( $I_z$ ) :

### Variables

Insert Key

Choose Zener Diode  
 BZX5V6,  $V_z=5.6$

Series Resistance in ohm  
 300  5000

Rheostat Value in ohm 1000  
 0  4000
























































Load Resistance in ohm 0  
 0  20000

Reset



Close
























































## Participants (358)

- |  |                     |   |   |
|--|---------------------|---|---|
|    | Asiya Ahmed (me)    |     |    |
|    | B.Niraimathi (host) |      |    |
|   | Dipak Nikam         |     |   |
|  | Shailaja V          |     |  |
|  | Pavan Kumar Malladi |      |  |
|  | Lakshmi Parimala    |      |  |
|  | Vemula Venkatramu   |      |  |
|  | Nani 007            |     |  |
|  | Shirisha Chinthala  |     |  |
|  | Vijaya Reddy        |      |  |
|  |                     |      |  |

Invite

Close

## Participants (358)

- |  |                     |   |   |
|--|---------------------|---|---|
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|  | Lakshmi Parimala    |      |  |
|  | Vemula Venkatramu   |      |  |
|  | Nani 007            |     |  |
|  | Shirisha Chinthala  |     |  |
|  | Vijaya Reddy        |      |  |
|  |                     |      |  |

Invite



## Power of Data Analytics Using Python

This webinar was organised on Power of Data Analytics Using Python on 23-05-2020, for the faculty members from various colleges.

The resource Person Mr Venkat Ram, Data Analyst, IBM, Hyderabad.

Mr Venkat Ram explained the practical applications of data, Data Science and statistics in day to day life and provided good information about data recording for the purpose of analysis and gave real life examples. Through the example he explained about: Data Analytics, Data Science, turn data into data products, Types of Analytics, life cycle of Data Science / Data Analytics, Skill sets required for Data Analytics, applications Python, features and applications of Python, objects & basic packages of Python, descriptive Statistics in Python, practical examples using Python.

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Webinar  
on  
**The Power Of Data Analytics Using Python**  
23<sup>rd</sup> May, 2020

**SPEAKER**  
**VENKAT RAM**  
DATA SCIENTIST, IBM

LIVE from  
11:00 am - 12:00 noon  
Platform  
Zoom

e- Certificate will be provided after the completion of the Webinar.  
Session ID will be shared through Telegram/mail

Organized by  
**Department of Mathematics and Statistics**  
Under DBT- Star College Scheme

Registration Link  
<https://forms.gle/cBbxZoGxs5VSHisv7>

Contact  
Dr. K. Vasudeva Rao (HOD)  
Department of  
Mathematics & Statistics  
bvcmathstat2020@gmail.com

**Mr. Venkat Ram,**  
Data Scientist

Mr. Venkat Ram is currently working as a Data Scientist in IBM with ACE (Analytics Center of excellence) Team, where basically he is responsible for providing Analytical Insights and Reports to empower Customer Revenue and Sales.

He has 13 years of total experience. Prior to joining IBM, he has a 6 years of valuable experience in multiple domains like: Retail Analytics, Insurance, Telecommunications etc.

Mr.Venkat Ram has expertise in various Analytical Tools like Clarabridge, Rapid Eminer, Alteryx, as well as Certifications in JAVA,SAS,Predictive Modelling with SAS Eminer, Teradata, R, Adobe Analytics, Python and Tableau (BI Tool).

After completing his first Master's degree in Statistics, with his long passion for learning to gain new knowledge and mastering new skills, Mr.Venkat Ram procured another Master's Degree in Business Analytics from BITS Pilani. He is also a Law graduate.

**Q&A**

From Gajen Sanyal to Everyone  
what is the difference between zip and python

**Python**  
Data Science Techniques

Thank you!

From J prasanna to Everyone  
get main\_Ance with the feedback

**A Brief report on Harnessing the power of Data Analytics Using Python for undergraduate students - 18th July, 2020.**

Organized by Department of Mathematics and Statistics, Bhavan's Vivekananda college of science, humanities and commerce, Sainikpuri, Sec-bad.

Resource person: Mr. K.Raju – Sr. Data analyst, IBM,


No. of students participated: 255

The course content delivered in the webinar is as follows: The impact of recent technology in Data Science in the living environment was discussed in this session. The Speaker of the Session Mr.K. Raju spoke on "Introduction to Data Science". He discussed the basic concepts used in the technology relating with best suitable real life examples which are essential for the understanding of technology. He projected a clear understanding of the importance of intelligent robots and future problems in the real world. He inspired the audience by lively interacting on topics such as new trends in applying Data-driven, Machine Learning approaches for business decisions and incorporation of Artificial Intelligence, Big Data, and Machine Learning applications. He discussed about analyzing structured and unstructured data using different tools and techniques, developing an understanding of descriptive and predictive Analytics, building models for day-to-day applicability, forecasting to take proactive business decisions, using data concepts to represent data for easy understanding. He emphasized on Business Analytics career opportunities in India and global market and gaining practical mastery over applications of machine learning through a hands-on project using Python. He projected on comprehending the theoretical concepts and relating to the practical aspects of Artificial Intelligence. He insisted on modeling algorithms for deep learning, clustering, and recommendation systems. Also the feedback about the session was collected from all the participants to improve the sessions that will be conducted in future.

  
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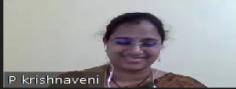





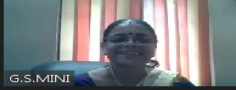




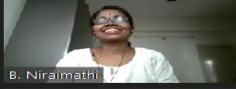
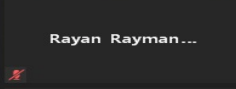
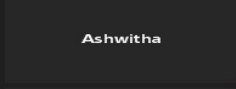
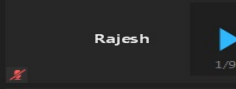
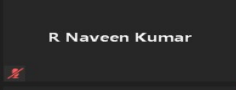
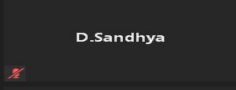
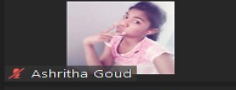
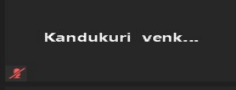
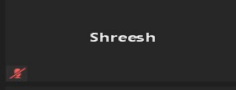

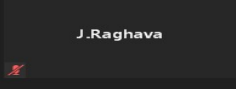
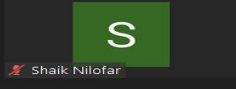
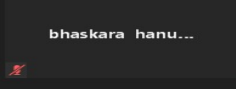

*Webinar on*  
**Harnessing The Power Of  
 Data Analytics Using Python**

**18<sup>th</sup> July, 2020**  
 Time  
 10:00 am - 11:30 am

<p>No Registration Fee</p> <p>Platform Zoom</p>	<p><b>SPEAKER</b></p> <p><b>Mr. K. Raju</b>  <i>Sr. Data Analyst, IBM</i></p> 	
<p>• Certificate will be provided after the completion of the Webinar.          Webinar link will be shared through Telegram/E-mail</p>		
<p><b>Organized by</b>  <b>Department of Mathematics &amp; Statistics</b>          Under DBT- Star College Scheme</p>		
<p><b>Registration Link</b>  <a href="https://forms.gle/nj4ptePe1JLHxkjv9">https://forms.gle/nj4ptePe1JLHxkjv9</a>          Mr. V. Selva Kumar          9966110500</p>	<p><b>Contact</b>          Ms. G.S. Mini          Officiating Head, Department          of Mathematics &amp; Statistics          bvcmathstat2020@gmail.com</p>	



Recording... Speaker View Exit Full Screen

 P.krishnaveni	 Rajini(BVC)	 G.Santhi Priya (B...)	 N. CHANDAN BA...	 Selvakumar V
 shravani.Racham...	 G.S.MINI	 AshokYaski	 Raju Data Scientist	 G.Lakshmi Harini...
 1/9 NIRLATHA (BVC)	 B. Niralmathi	 Rayan Rayman...	 Ashwitha	 1/9 Rajesh
 R.Naveen Kumar	 D.Sandhya	 Ashritha Goud	 Kandukuri venk...	 Shresh
 srirangam santh...	 J.Raghava	 S Shaik Nilofar	 bhaskara hanu...	 Anshu Malini

Unmute Stop Video Security Participants 221 Chat 14 Share Screen Pause/Stop Recording Reactions Leave

## BASICS OF MATLAB

22/7/2020

The Department of Mathematics and Statistics organized an online National Webinar on ‘**Basics of Matlab**’ on 22/7/2020 from 10:00 am to 11:30 am under DBT Star scheme. Dr. P. Aparna, Asst. professor, VNRVJIET,Hyd. was the resource person. 532 students from Telangana, Andhra Pradesh, Tamil Nadu, Kerala and Rajasthan had participated and were provided with the online certificate also. The webinar provided the basic information on Applications of Matlab, Books on Matlab, Getting started with Matlab, using Matlab for plotting and visualization of 2D and 3D graphs.

The webinar started with the welcoming and introduction of the resource person followed by a slideshow of a ppt. prepared by our resource person. Students learnt that Matlab stands for Matrix Laboratory and is a software package used for high performance numerical computations and visualization. Under Applications of Matlab, students got to know that Matlab can be used for finding solutions of O.D.E’s, P.D.E’s, system of linear equations, Curve tracing, Curve fitting, finding the roots of polynomials, operations on matrices like addition, multiplication, rank, inverse of a matrix etc.

The webinar gave a brief idea about the programming in Matlab which was very enriching.

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AUTONOMOUS COLLEGE, AFFILIATED TO OSMANIA UNIVERSITY

Webinar on  
**Basics of MATLAB**

22<sup>nd</sup> July, 2020  
Time  
10:00 am - 11:30 am

No Registration Fee  
Platform  
Zoom

**SPEAKER**  
**Dr.P.Aparna**  
Sr.Asst.Prof, VNRVJIET,  
Bachupally, Hyderabad

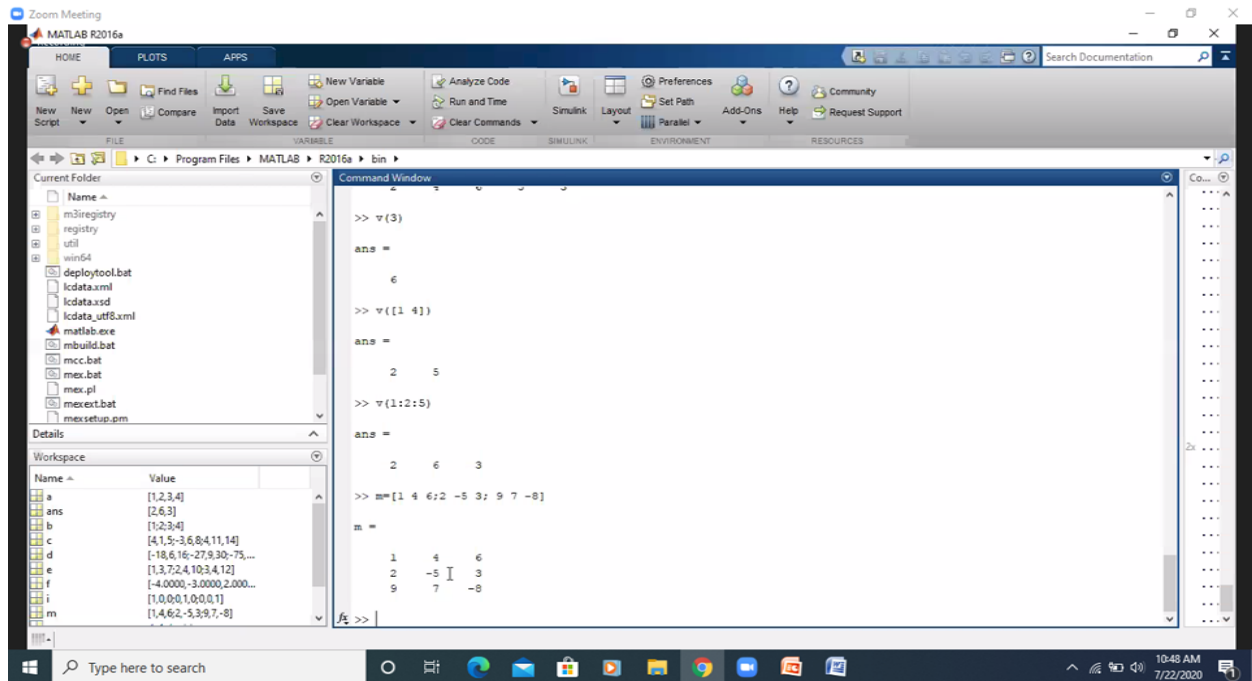
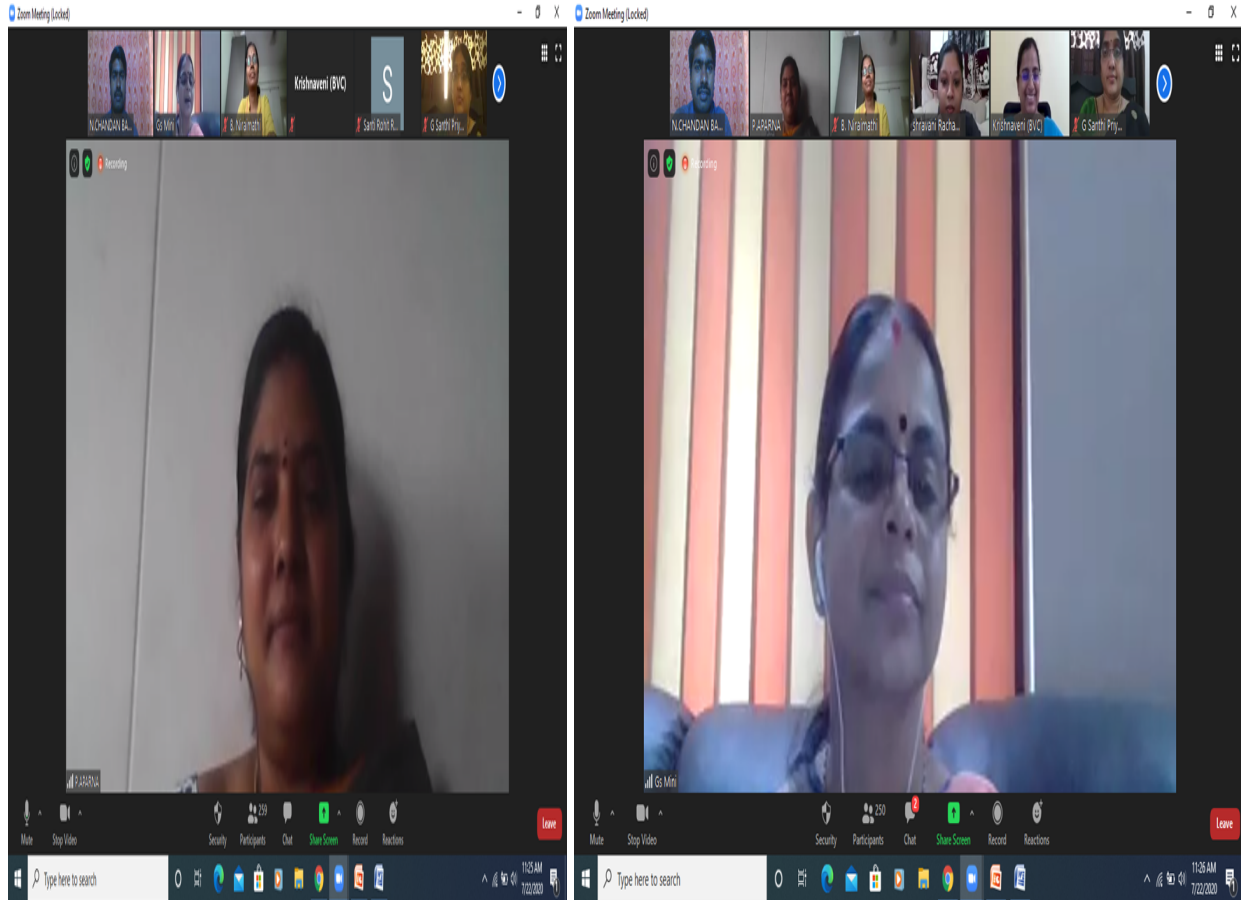
e- Certificate will be provided after the completion of the Webinar.  
Webinar link will be shared through Telegram/E-mail

Organized by  
**Department of Mathematics & Statistics**  
Under DBT- Star College Scheme

Registration Link  
<https://forms.gle/AKESkPKRM8ZYHqf78>

Contact  
Ms. G.S. Mini  
Officiating Head, Department  
of Mathematics & Statistics  
bvcmathstat2020@gmail.com





## Curvature

The faculty of Department of Mathematics and Statistics of Bhavan's Vivekananda College organized a webinar on "Curvature" on 18 december, 2020 which was held from 2:30 PM to 3:30 PM. The webinar was conducted to have a brief rebound on "Curvature" under DBT-Star college Scheme.

The speaker of the session was Dr. V. Kiran, Assistant Professor in Osmania University.

The Welcome Address was delivered by G. S. Mini, and by prof Y. Ahsok, Principal, BVC

### Course Content

The basic ideas on Curvature were discussed in this Session.

The speaker Dr. V. Kiran has given a brief explanation on the definition of Curvature from Differential Calculus. He mentioned that an important property of a curve is its curvature. Curvature plays an important role in laying tracks, roads etc. Curvature of curve is a measure of rate of change of blindness. He explained about

6Angle of Curvature.

Radius of Curvature.

Length of Curvature

- Cartesian Equation
- Paramedic Equation
- Polar equation.

Centre of curvature.

Based on the above topics he explained Derivations and Problems.

The first year students of B.Sc have this topic in semester 1. This webinar was aimed at benefiting them. 142 Students have attended this webinar.

The poster is for a webinar titled "Curvature" held on 18th December, 2020, at 12:40 pm. It is organized by the Department of Mathematics & Statistics under the DBT-Star College Scheme. The speaker is Dr. V. Kiran, Assistant Professor in the Department of Mathematics at Osmania University. The poster includes two diagrams: one showing a curve with a normal line and a radius of curvature, and another showing a curve with a tangent line and a normal line. The text on the poster includes the college name, accreditation details, and a Microsoft Teams link.

**BHAVAN'S VIVEKANANDA COLLEGE**  
of Science, Humanities & Commerce  
Sainikpuri, Secunderabad - 500094  
Accredited with 'A' Grade by NAAC  
Autonomous College, Affiliated to O.U.

WEBINAR ON  
**Curvature**  
18th December, 2020  
@ 12:40 pm

For the First year Students of B.Sc Physical Sciences

**Speaker**  
**Dr. V. Kiran**  
Assistant Professor,  
Department of Mathematics,  
Osmania University

Organized by  
**Department of Mathematics & Statistics**  
Under DBT-Star College Scheme

Microsoft Teams Link  
Click here to join

## **Envelope and Evolute**

The faculty of Department of Mathematics and Statistics of Bhavan's Vivekananda College organized a webinar on "Envelope and Evolute" on 19 December, 2020 which was held from 2:30 PM to 3:30 PM. The webinar was conducted to have a brief glance on "Envelope and Evolute" under DBT-Star college Scheme.

The speaker of the session was Dr. V. Kiran, Assistant Professor in Osmania University.

The Welcome Address was delivered by G. S. Mini, and by prof Y. Ahsok, Principal, BVC.

### COURSE CONTENT:

The basic ideas on envelopes were discussed in this session .

The speaker of the session " Dr.V.Kiran" has given a brief explanation on the definitions of envelope and evolute from Differential calculus


*Envelope, in mathematics*, a curve that is tangential to each one of a family of curves in a plane or, in three dimensions, a surface that is tangent to each one of a family of surfaces. For example, two parallel lines are the **envelope** of the family of circles of the same radius having centres on a straight line.

*Evolute*, a curve which is the locus of the centres of curvature of another curve.

He also explained the other topics like : Relation between envelope and evolute :That is **to** say that when the center **of** curvature **of** each point on a curve is drawn, the resultant shape will be the **evolute of** that curve. The **evolute of** a circle is therefore a single point at its center. Equivalently, an **evolute** is the **envelope of** the normals **to** a curve.

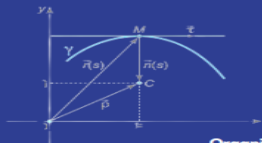
Observation of each and every problem which is discussed in the session.The first year students of B.Sc have this topic in semester 1. This webinar was attended by 97 Students.



 Bhavan  
**BHAVAN'S VIVEKANANDA COLLEGE**  
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**WEBINAR ON**  
**Evolutes**  
 19th December, 2020  
 @ 2:30 pm

For the First year Students of B.Sc Physical Sciences

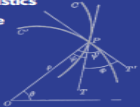


**Speaker**

**Dr. V. Kiran**  
 Assistant Professor,  
 Department of Mathematics,  
 Osmania University

Organized by  
**Department of Mathematics & Statistics**  
 Under DBT-Star College Scheme


No Registration Fee  
[Registration Link](#)



WEBINAR ON CURVATURE DEC 19th

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Privacy policy](#)

Turn camera off (Ctrl+Shift+C)



**Participants**

Type a name

Presenters (0)    Mute all

- CHANDRABABU N
- Pragnathula Sa Sri Vallabhi
- Kiran Kiran
- KESAVARENI P
- LAKSHMESHARING G
- MINI GS
- SANTIRICHT RAO
- SEELAMMAR V
- SIBALATHA K

12:53 PM 12/19/2020

## Free Diabetes Camp 15<sup>th</sup> February, 2020

Medical and Health committee along with the Department of Biochemistry and NSS unit, BVC organized a medical camp on diabetes for teaching and non-teaching staff, students and residents of local community on 15<sup>th</sup> February, 2020. As a part to create awareness there was a talk organized by Dr.K. Srinivas Rao, Diabetologist on ‘Risk factors and prevention of Diabetes’. This was followed by free testing of random blood glucose levels for all the participants. All the participants availed the free service and the programme received a good appreciation.





**2019-2020**

**Value Added Course at StarTech Laboratories  
Pvt. Ltd.Hyd**

**16<sup>th</sup> – 21<sup>st</sup> December, 2019**

Department of Biochemistry has organized a Value Added Course for 2<sup>nd</sup> year M.Sc students from 16<sup>th</sup> – 21<sup>st</sup> December, 2019 at StarTech Laboratories Pvt.ltd, Madinaguda, Hyderabad. Students were given detailed knowledge of different instruments and techniques that are routinely used in Pharma industries and in the labs associated with scientific analysis. Students had a thorough training in loss on drying (LOD), COD (Chemical Oxygen demand), BOD (Biological oxygen demand). X- Ray Diffraction (XRD) which is a rapid analytical technique, primarily used for phase identification of crystalline material providing information on unit cell dimensions. Students were also trained in HPLC technique which is used in analytical chemistry to separate, identify, and quantify each component in a mixture. The importance of instruments like sound level meter, noise dosimeter, indoor air quality, oxygen and anemometer in industrial hygiene were also demonstrated. Students also had a chance to learn in detail the Gas chromatography (GC) technique which is used in analytical chemistry for separating and analyzing compounds that can be vaporized without decomposition. Overall, the course had been very useful for students in learning various analytical techniques that are carried out in Pharma industries.





**Visit to NIPER, Balanagar, Hyderabad**  
**(National Institute of Pharmaceutical Education and Research)**

The students of B.Sc final year (MBBCC) were taken for an educational visit to NIPER on 3<sup>rd</sup> December, 2019 under DBT-Star college scheme. . The students were shown the high end instruments that are used in science research programmes like HPLC, HPTLC, LC-MS/MS, SEM, NMR spectrometer, Zeta sizer for particle size analysis, Microfluidizer, Nano ball mill, fluorescence microscope and Confocal microscope. In the Regulatory toxicology department students were shown the tissue sectioning and fixation and automated differential blood cell counter. Animal house facility was also shown and explained about Rotarod test and YMaze test. Students interacted enthusiastically with the staff and the research scholars at the institute and were benefitted from the information provided. As part of this visit M.Sc final year Biochemistry students were also included. UG and PG students with a total number of 41 were taken



List of B.Sc and M.Sc students who visited NIPER

3<sup>rd</sup> December, 2019

S No	Roll No	Name Of The Student
1.	107217471001	APARNA U
2.	107217471002	NANNAPARAJU ARCHANA
3.	107217471003	BHUKYA KARAN
4.	107217471007	KARETI ANOOSHA
5.	107217471008	KORIDE MANASWINI
6.	107217471009	MANASA KANDURI
7.	107217471014	PRASANNA KUMAR THUMMALA
8.	107217471015	BHAGAVATHULA PRIYANKA
9.	107217471016	PUTCHAKAYALA TEJASWI
10.	107217471019	SHWETANG U
11.	107217471020	SOWJANYA DESHABATHINI
12.	107217471025	AFROZ ZEBAA
13.	107217471026	DOMAKONDA RAJASHREE
14.	107217471028	JATIN SIROHI
15.	107217471032	K GEETHA
16.	107217471033	KANCHAN SINGH
17.	107217471035	MEGHANA PRAKASH
18.	107217471038	PAWAN
19.	107217471039	SAKSHI JAIN
20.	107217471043	M ALEKHYA
21.	107217471048	SATHVIKA KOTHURI

S.NO	Roll no	Name of the student
1.	107218514002	SURYA LALITHA ADIRAJU
2.	107218514004	CH DURGA SATYA DEEPTHI
3.	107218514007	GOWRARAM BHAVYA HARIKA
4.	107218514010	JAVVAJI THIRUMALA
5.	107218514012	K RAMA KRISHNA
6.	107218514013	KURUVA RAMASAI
7.	107218514014	LELLA GAYATRI
8.	107218514015	M ROHIT KUMAR
9.	107218514017	METTU SURAJ
10.	107218514018	MOHAMMED JUWERIYA TAHSEEN
11.	107218514019	MUDIGONDA CHANDANA
12.	107218514020	O VAISHNAVI
13.	107218514021	PARAMESHWARI BANOTH
14.	107218514023	PORIKA RAHUL NAIK
15.	107218514024	POTLURU SREE VYSHNAVI
16.	107218514028	SADURGAM VAIJAYANTHI
17.	107218514031	SOWMYA JAI KUMAR SREEJA
18.	107218514032	SREEKAR VATTEM
19.	107218514035	V SAI CHANDANA
20.	107218514036	V VAISHNAVI

*H. Sai Bab*  
Head, Dept. of Bio-Chemistry  
Bhavan's Vivekananda College  
Sainikpuri, Secunderabad-500 094

## Value Added Course

### **Institute of Genetics and Hospital for Genetic Diseases** **(25-11-2019 to 29-11-2019)**

The Department of Biochemistry has organized a five-day Value-added course on “**Clinical, Molecular Diagnostic methods and Genetic Counselling**” for the students of B.Sc (MBBCC) at the Institute of Genetics & Hospital for Genetic Diseases, Begumpet, Hyderabad from 25<sup>th</sup> to 29<sup>th</sup> November, 2019. This programme is organized under DBT-Star College Scheme. Students were given exposure in the areas of Clinical Genetics, Cytogenetics, Environmental Toxicology, Molecular Biology, Clinical Biochemistry and Genetic Counseling.

In Clinical Genetics, students were briefed about the different pre-natal and post-natal diagnostic techniques, new born screening and about genetic disorders. They were also explained about the significance of Genetic counselling to the couples who are at increased risk of having a heritable disorder and the risk of transmitting it to their unborn offspring.

Students also learnt about Karyotyping, FISH and Micro-array techniques which are used for diagnosis of chromosomal disorders in new-borns while in the Cytogenetics lab they learnt about the DNA isolation techniques. Various types of PCR (Conventional, PCR-RFLP, Microsatellite repeats, SSCP, Allele-specific PCR, ARMS PCR) were learnt in Molecular Biology lab.

In Clinical Biochemistry lab, analysis of ceruloplasmin, TSH, 17-OH Progesterone and urine copper were learnt. The importance of HPLC in diagnosing Haemoglobinopathies was also demonstrated. Students had hands-on experience with some of the diagnostic techniques that are routinely used in biochemistry labs.







## Educational Trip to **Pasteur Institute, Coonoor**

**15<sup>th</sup> November to 20<sup>th</sup> November, 2019**

The final year students of M.Sc Biochemistry were taken on an educational trip to Pasteur Institute, Coonoor. The trip started on 15<sup>th</sup> November evening from Hyderabad to Bengaluru and there were 18 students accompanied by two lecturers. On 16<sup>th</sup> morning from Bengaluru, students were taken to Mysore where they visited the Brindavan Gardens and Mysore palace and reached Ooty on 17<sup>th</sup> evening. On 18<sup>th</sup> morning students were taken from Ooty to the Pasteur Institute, Coonoor, where Mr.G.Chandra Mohan, Asst. Research Officer explained the students about the facilities and procedures in the preparation of vaccines that are followed at the Institute. The students were given a good insight into the vaccine production of DPT. He emphasised on the set up of laboratories under GLP requirements, which were taken care under the DBT funding to the institute. The trip ended by returning to Hyderabad on 20<sup>th</sup> morning. Overall, the trip has been enjoyable and educative to the students and the faculty





## Visit to HCU

The students of BSc (MBBCC) and M.Sc Biochemistry II year have attended the Open Day Visit organized by the Department of Biochemistry, School of Life Sciences, **Hyderabad Central University**. The visit was organized on **28<sup>th</sup> September, 2019** as a part of 25 years celebration of the department. Students were made aware of research related to cancer biology, bioinformatics and molecular biology through posters. They were also explained about the techniques like PCR, Blotting techniques and X-Ray crystallography. They were also given an insight into the principles and applications of instruments like HPLC, sonometer and nanospectrometer. The visit was very informative and motivating to the students in terms of their progress towards science.



## Industrial Visit to Biological E Limited

Students of B.Sc (MBBCC) were taken for an industrial visit on 20<sup>th</sup> September, 2019 to Biological E Limited at Shamirpet, Hyderabad as a part of DBT-STAR COLLEGE SCHEME. The students were taken to Analytical and R&D Labs where testing and analysis of active components of drugs is done. Students were explained about the working of various instruments like Integra viaflo, Gas Chromatography chamber, FTIR Spectrometer, UPLC, HPLC, GC-MS, DSC-TGA, LD-LC-MS, qPCR, Surface plasmon resonance and Liquid handling system. Students were also shown Particle Size Analyzer, Ion chromatography, Karl Fishcher Titrators and Dissolution testing systems. MSc Biochemistry students were also a part of this industrial visit. Overall the visit has been very informative and the students had an opportunity to see the working of various advanced instruments used in formulation industries.



## Health Camp

30<sup>th</sup> and 31<sup>st</sup> August, 2019

The Medical and Health Committee of BVC in association with Department of Biochemistry organized a health camp for the staff and students of BVC on 30<sup>th</sup> and 31<sup>st</sup> of August, 2019. The health camp was in association with **Vimta Labs, Hyderabad**. The tests in this health camp included Master Health checkup, Complete Health checkup, Diabetic screening, complete blood picture, glycosylated hemoglobin, fasting blood glucose, lipid profile, thyroid profile, calcium, uric acid, vitamin D and B<sub>12</sub> levels. These parameters are useful in assessing and having a follow up with ones' general health condition. A total of 155 people that included teaching (33), non-teaching staff (14) and students (108) got their tests done.

The health camp received a very good response from staff and students indicating an emerging health awareness among them.







## OUTREACH PROGRAMME

The department of Biochemistry has organized an outreach programme at **Zilla Parishad High School for girls, Alwal** on 11<sup>th</sup> and 12<sup>th</sup> July, 2019. Post graduate students of Biochemistry have participated with enthusiasm and displayed models and charts related to the various concepts of biological science. On the first day (11<sup>th</sup> July, 2019) the students demonstrated various experiments like achromic point of salivary amylase, extraction of DNA from tomato followed by its microscopic observation, lipid analysis of junk foods, development of latent fingerprint using iodine fumes and folding of DNA. On the second day (12<sup>th</sup> July, 2019), Ms Kiranmai (MBBS), MNR medical college, Sangareddy gave a talk to spread awareness about menstrual hygiene to the girl students. Following this, aspects related to nutrition, BMI, blood picture and blood grouping were explained by M.Sc students. School students were very enthusiastic to observe and learn the concepts of all these experiments.

Blood group determination and body mass index (BMI) calculations were done for 76 students of 10<sup>th</sup> standard. This programme received a good appreciation from the students and staff of the school.



The department of Biochemistry has organized an outreach programme at ZillaParishad High School for girls, Alwal on 12<sup>th</sup> and 13<sup>th</sup> July, 2019. The Post graduate students of Biochemistry participated with lot of enthusiasm and displayed models on DNA and charts related to the various concepts of biological science. They demonstrated experiments like extraction of DNA from onion and achromic point of salivary amylase, analysis of lipids in junk foods.

On the second day of the outreach programme, the school students were explained about the calculation of BMI and were shown the slides of differential count explaining about the different cells and their role in the body. They were also made aware of the basics of nutrition through a power point presentation.

Blood group determination was done for the students of 9<sup>th</sup> and 10<sup>th</sup> standards and body mass index (BMI) was also done for the students. The programme received a good enthusiasm and appreciation from the students and staff of the school.







**Report on  
Visit to CDFD, Uppal, Hyderabad  
9<sup>th</sup> July, 2019**

The Students of B.Sc Biochemistry (MBBCC) 3<sup>rd</sup> year were taken for a visit to Center for DNA finger printing and Diagnostics (CDFD) at Uppal, Hyderabad on 9<sup>th</sup> July, 2019. They had an opportunity to listen to the lecture given by Prof. D.N. Rao of IISc, Bengaluru on "*Helicobacterium pylori*". The students have attended poster session put up by the research scholars of the institute. They were explained about the work going on in the institute in various research areas. Overall the trip to CDFD was found to be informative to the students and staff.



*H. Sai Reddy*  
Head, Dept. of Bio-Chemistry,  
Bhavan's Vivekananda College  
Sainikpuri, Secunderabad-500 094

## Report on Internship Program- IOG 2019

A four week training programme was conducted for the second Year Undergraduate students at Institute of **Genetics and Hospital for Genetic Diseases, Begumpet** from **22<sup>nd</sup> April 2019 to 18<sup>th</sup> May 2019**. A group of 17 students attended the training programme. The students were grouped into four teams with each team comprising of 3 students. They were allotted different labs for a week. Each team was then allotted the next labs in turns thereafter. There were five divisions namely **Clinical Genetics, Clinical Biochemistry, Toxicology, Molecular Biology and Cytogenetics**.

In the **Clinical Biochemistry** division, the students were briefed on the importance of biochemical investigations on the role of their significance and relevance to Genetic Disease. **Thyroid profiling, Lipid Profiling, Glucose profiling, and Liver Profiling** were done by the students on the samples provided by the patients visiting the Hospital. After performing the experiments the students were also trained on the analysis of the results obtained. The students also could relate the results to the clinical significance in terms of predisposition to genetic disorders.

As part of the new born screening tests, the **Wilson test Profiling**, comprising of estimating the levels of **Serum Ceruloplasmin, Serum Copper and Urine copper**. Students were instructed on the usage of **Automated HPLC** for the detection of Autosomal recessive disorders like **Sickel cell anemia** and **Thalessemia**.

In the **Molecular Biology Division** , students performed **Polyacrylamide and Agarose Gel electrophoresis**. They also had the opportunity to Visualize the **Thermocycler, Gel documentation Unit**. They learnt the different methods of DNA extraction.

At the **Clinical Genetics Division**, the students were taught the concept of **Probability, Risk Calculation, Significance of pedigrees** and the different **Prenatal Diagnostic techniques** for the purpose of **Genetic Counselling** to the patients who had a positive family history.

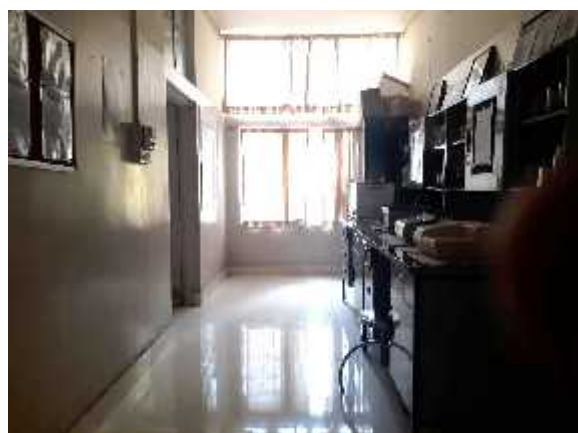
In the **Toxicology Division**, the students performed **Comet Assay** experiment, which is a tool to measure the amount of mutagenicity due to the exposure to different chemical mutagens.

In **Cytogenetics Division**, the students had the liberty to use the **Laminar air Flow chamber** for culturing the Lymphocytes. These cultures were further used for the purpose **Karyotyping** which is an essential tool in the detection of **Chromosomal abnormalities**. The students were delighted to See the **Fluorescent In situ Hybridization** images of human chromosomes.

The students had the opportunity to listen to a lecture on “DNA Microarrays” which was delivered by a Research Scientist at Asian Institute of Gastroenterology, Dr Ravikanth.

At the end of the training in each of the division, they were analysed through interaction with the doctors, scholars and the faculty regularly. The training program was very informative and knowledge gaining. The students found the internship program apt for their curriculum.





**List of students Enrolled for Summer Training Program  
Institute of Genetics, Begumpet – 2019**

S. No	Roll No	Name	Class
1	107217459001	V Ashwini	MiGC II Year
2	17459002	G Sushma	MiGC II Year
3	17459006	Harathi mala	MiGC II Year
4	17459007	M Harini	MiGC II Year
5	17459012	M Manasa	MiGC II Year
6	17459025	Tanushree	MiGC II Year
7	17459026	Tejo Rajitha	MiGC II Year
8	17459027	Anjali	MiGC II Year
9	17459030	Angelina Kadam	MiGC II Year
10	17459031	Karunya rajaram	MiGC II Year
11	17459034	Nitish Nadan	MiGC II Year
12	17573006	C S Harshavardhani	BtGC II Year
13	17573011	A Prajwala	BtGC II Year
14	17573031	Qudrathullah Khan	BtGC II Year
15	17573040	Tejaswini Chand	BtGC II Year
16	17471035	Meghana Prakash	MBiC II Year
17	17471038	Pawan	MBiC II Year



### **Trip to ACE Agro Technology and Raaga Foundation on 10.01.2020**

The Department of Genetics and Biotechnology organized a field trip for the third year B.Sc BtGC students on 10<sup>th</sup> of January, 2020, to ACE Agro Technology, Kompally and Raaga Foundation, Dindigul.

A batch of 30 students were accompanied by two faculty members of the Department, i.e., Dr. Naga Manju and Mrs. D. Metilda Rosalin.

The field trip to Ace Agro Technology started on a good note, where we visited commercial production of Banana and date plantlets, through Tissue Culture.

The Director of the farm, Mr. Biju and his coworkers accompanied the students and staff to the lab in groups. They explained the production process in detail by allowing the students to view the procedure happening inside the plant tissue culture room where inoculation of the explants and subculturing of the callus took place. The students also visited the lab where inoculated tissue cultured bottles were incubated under regular intervals of photoperiod.

Mr. Biju took special interest in explaining and allowing the students to visit the working area where medium preparation and autoclaving took place that made his commercial production outstanding.

The entire institute maintained a very clean atmosphere to avoid contamination. The students were astonished at the discipline and aseptic conditions maintained. Finally they bid farewell to the institute wholeheartedly thanking them for the opportunity given for the visit.

Next, they visited Raaga Foundation which is a zoo where many species of birds and animals (reptiles, cattle, poultry, etc) were raised with personal care which paved the way to learn about animal behavior and their general instincts. This was maintained by Mr. Nanda Kishore, our alumni, who showed great passion in raising the animals as his pets in an environment friendly way. The students thoroughly enjoyed observing the animals and birds that educated them about their specificities, genetic diversity and evolution. Everyone appreciated Mr. Nandakishore for his tireless efforts in taking care of these species portraying the necessity of human - animal interaction. During the venture, he addressed the students letting them know the struggle he overcame to travel this far. He also counselled them to take studies seriously and work hard.

Finally the students went home thanking the department and the college for the above opportunity, and requested more such field trips in future.

ACE Agro Technology



Raaga Foundation



<b>S.No</b>	<b>Roll.No</b>	<b>Name of the candidate</b>
1	107217573001	AMULYA BEJGAM
2	107217573002	ANJANI BITAVARAM
3	107217573006	HARSHAVARDHINI C.S
4	107217573009	N.GAYATHRI SADE
5	107217573011	A.PRAJWALA
6	107217573012	PRASOONA .P
7	107217573013	K.R.SRAVANI
8	107217573015	SAI RAJA .K
9	107217573016	SHERWIN RAJ .R
10	107217573017	SNIGDHA SREE.P
11	107217573019	SREELEKHA R.D
12	107217573020	SRUTHI
13	107217573022	AISHWARYA KUMARI
14	107217573024	M.AMBIKA
15	107217573025	BHAVNA GAT
16	107217573027	CLEMENT FRANCIS
17	107217573041	YOGITA SHUKLA

<b>S.No</b>	<b>Roll.No</b>	<b>Name of the candidate</b>
18	107217573028	HEMANTH SAI
19	107217573030	MOHAMMAD ABDUL S
20	107217573031	MD QUDRATHULA K.Q
21	1072175730232	MONIKA SEPTA
22	107217573033	G.POOJA
23	107217573034	PRERNA BACHWANI
24	107217573036	SANDHYA KUMARI
25	107217573037	SHWETHA YADAV
26	107217573038	SMRITY SHARMA
27	107217573039	MEGHANA BAKKI
28	1072175730044	SHEKINAH.C
29	1072175730045	SNEHA DOMINIC X
30	107217573002	VAISHNAVI GORTHI

# Activities 2019-20

**Webinar conducted by the Department of Commerce,**

**Bhavan's Vivekananda College, Secunderabad.**

A webinar on “Investor Protection in Securities Market and Overview on Secondary Market and Mutual Funds” was conducted on 6<sup>th</sup> August 2020, at 4 p.m. to 5.30 p.m. by the Department of Commerce, Bhavan's Vivekananda College in association with SEBI-RO, Hyderabad and NSE-RO, Hyderabad.

Mr.M.K.Srikanth, DGM, SEBI, Hyderabad Regional office was one of the speakers, who addressed about the protection measures taken by SEBI and also gave tips about choosing appropriate investment avenues during this pandemic. Mr. Harinatha Reddy, Senior manager, NSE, Hyderabad Regional office gave an overview on secondary market and mutual funds. The participants clarified their doubts regarding investments in mutual funds. 134 registrations were received and 66 participants attended the webinar and gained insight about investor protection and mutual funds market.

No of registrations: 134

No of participants: 66

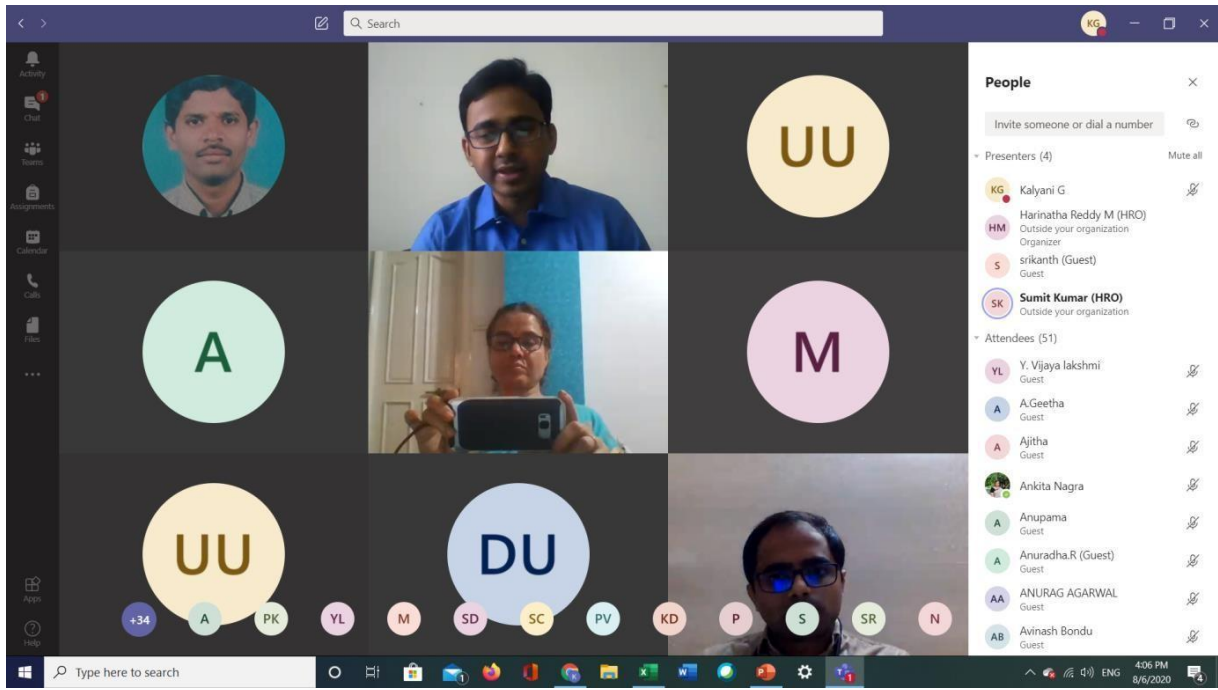
## **Bhavan's Vivekananda College**

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

WEBINAR ON  
“INVESTOR PROTECTION IN SECURITIES MARKET AND  
OVERVIEW ON SECONDARY MARKET & MUTUAL FUNDS”

ORGANIZED BY  
DEPARTMENT OF COMMERCE  
IN ASSOCIATION WITH SEBI, RO, HYD & NSE, RO, HYD

Date: 06<sup>th</sup> August 2020, Time- 4:00 pm to 5:30 pm





**People**

Invite someone or dial a number

Presenters (4)

- HM Harinatha Reddy M (HRO) Organizer
- SD Saumya Dube (HRO) Outside your organization
- S srikanth (Guest) Guest
- SK Sumit Kumar (HRO) Outside your organization

Attendees (31)

- KG Kalyani G
- ThirmaRao M
- VenuGopal P R
- KV KamalaDevi L V
- YL Y. Vijaya lakshmi Guest
- A Ajjitha Guest
- A ankita Guest
- A Anupama Guest

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- A Anupama Guest

# Activities 2019-20

**Webinar conducted by the Department of Commerce,  
Bhavan's Vivekananda College, Secunderabad.**

A webinar on “Investor Protection in Securities Market and Overview on Secondary Market and Mutual Funds” was conducted on 6<sup>th</sup> August 2020, at 4 p.m. to 5.30 p.m. by the Department of Commerce, Bhavan's Vivekananda College in association with SEBI-RO, Hyderabad and NSE-RO, Hyderabad.

Mr.M.K.Srikanth, DGM, SEBI, Hyderabad Regional office was one of the speakers, who addressed about the protection measures taken by SEBI and also gave tips about choosing appropriate investment avenues during this pandemic.Mr.Harinatha Reddy, Senior manager, NSE, Hyderabad Regional office gave an overview on secondary market and mutual funds. The participants clarified their doubts regarding investments in mutual funds. 134 registrations were received and 66 participants attended the webinar and gained insight about investor protection and mutual funds market.

No of registrations: 134

No of participants: 66

## **Bhavan's Vivekananda College**

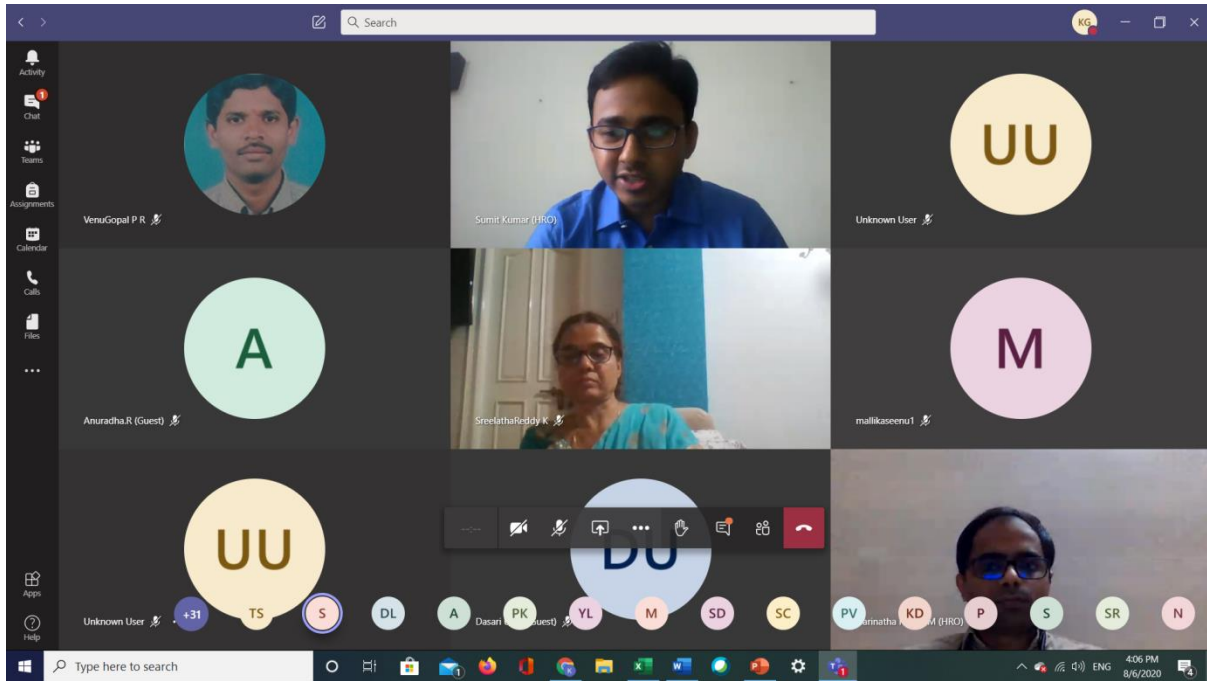
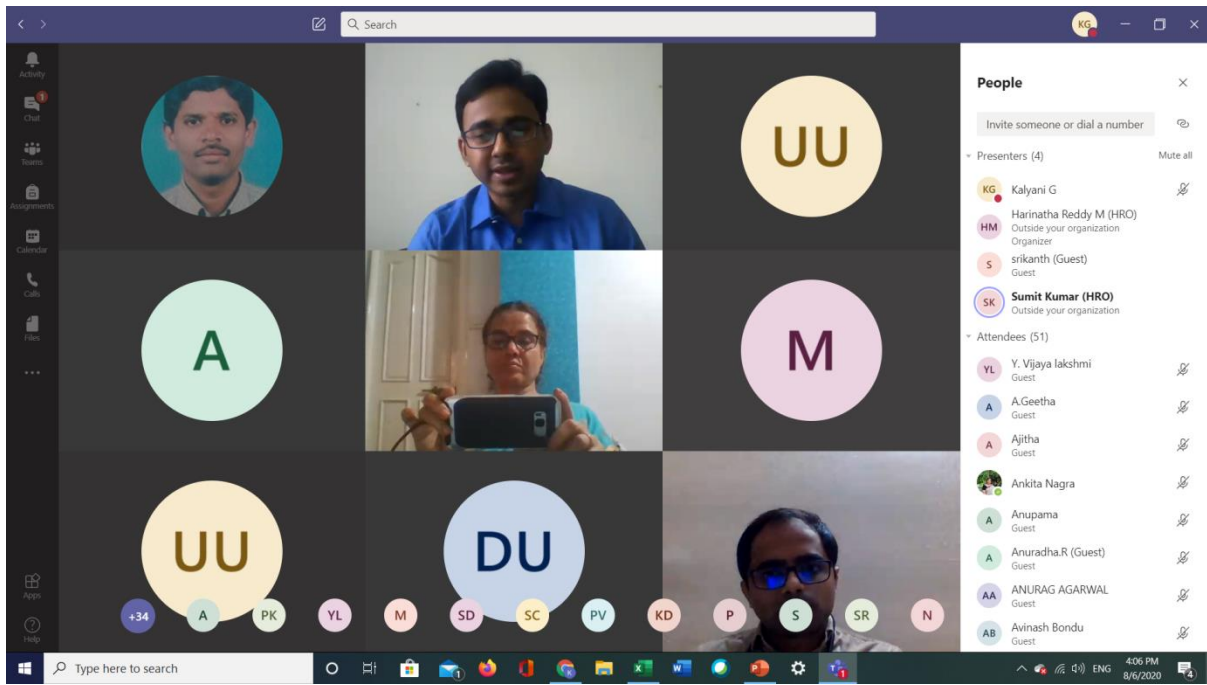
of Science, Humanities and Commerce  
Sainikpuri, Secunderabad - 500094  
Autonomous College | Affiliated to Osmania University  
Accredited with 'A' grade by NAAC

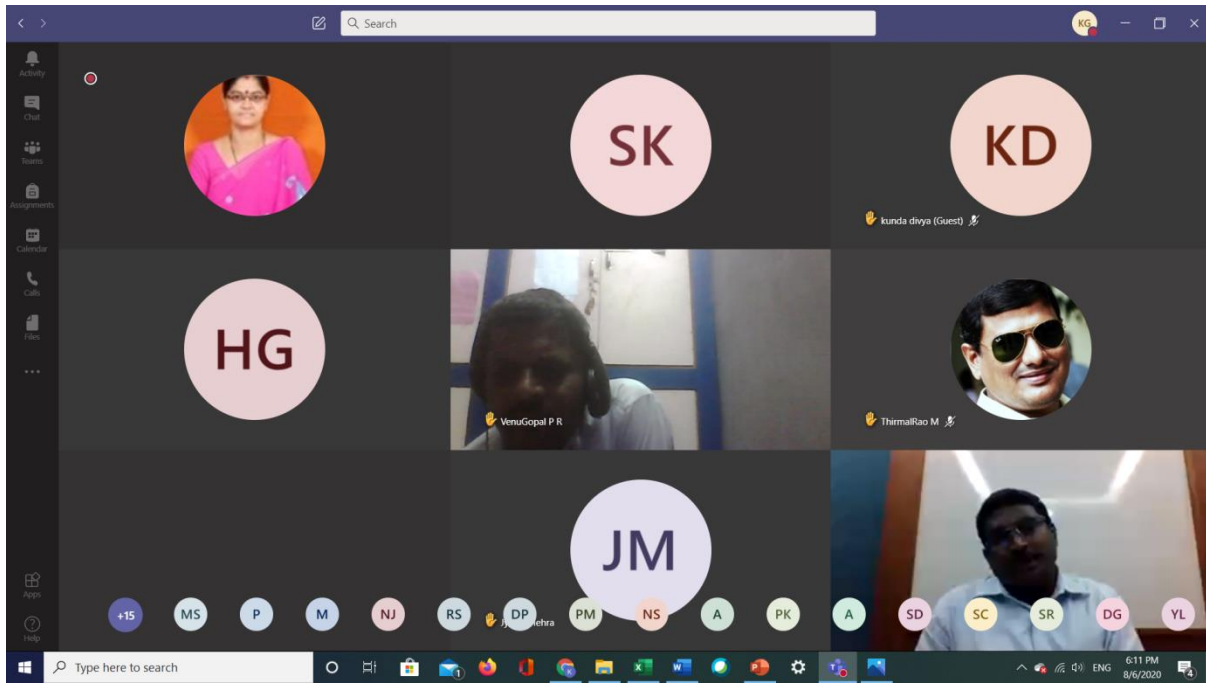
WEBINAR ON  
“**INVESTOR PROTECTION IN SECURITIES MARKET AND  
OVERVIEW ON SECONDARY MARKET & MUTUAL FUNDS**”

**ORGANIZED BY  
DEPARTMENT OF COMMERCE  
IN ASSOCIATION WITH SEBI, RO, HYD & NSE, RO, HYD**

**Date: 06<sup>th</sup> August 2020, Time- 4:00 pm to 5:30 pm**







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Outside your organization  
Organizer
- SD Saumya Dube (HRO)  
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Guest
- A Ajitha  
Guest
- anikita  
Guest
- Anupama  
Guest

Windows taskbar: Type here to search, 6:28 PM 8/6/2020

Windows taskbar: Type here to search, 6:10 PM 8/6/2020

**Report on Guest Lecture**  
**“RED HAT LINUX ADMINISTRATION”**  
**Organized by Department of Computer Science**  
**on 5-12-2019 (12 noon to 2 pm)**

The Guest Lecture was conducted for 84 of the M.Sc.(Computer Science) I and II year students. In view of introducing the value added course to P.G. students, the department of Computer Science organized the guest lecture on “RED HAT LINUX ADMINISTRATION” by Mr. Rajesh Digumarti, GLS and development instructor, RedHat, Hyderabad. He explained the following concepts to inculcate the awareness of Open Source Software:

- Introduction and history of Open Source
- Advantages of Open Source Software
- Red Hat Linux training modules
- Linux certification - depth and level of preparation required
- Linux projects, users and forum support to beginners

After the guest lecture, we also had a quiz conducted by M/s Amrita Technologies on general concepts and technical aspects. The department planned to introduce a workshop on Red Hat Linux Administration for 30 Hours to P.G. students.

(Bhaskar N)  
Coordinator, M.Sc.(CS) Program, BVC

Permission to start value added course on "**LINUX ADMINISTRATION**"

For M.Sc. (CS) IV Semester students

Date: **10-12-2019**

To

The Principal,  
Bhavan's Vivekananda College,  
Sainikpuri, Secunderabad.  
Sir,

Subject: Permission to start a value-added course on Linux Administration for M.Sc. (CS) final semester students – Regarding.

---000---

With reference to the discussion regarding the starting of a value-added course for M.Sc. (CS) IV Semester students as part of their career growth, we hereby enclose the details for your acceptance.

We had an introductory lecture by Mr. Rajesh D, GLS Learning and Development Instructor, Red Hat on 05-12-2019 to propose a value added course. He explained the benefits of doing the program, future prospects and job opportunities. It is recommended to introduce a value-added course to M.Sc. (CS) IV Semester students of 2019-20 batch. The schedule of the value added course is as follows:

Course Title: **RED HAT LINUX ADMINISTRATION**

Duration: **30 Hrs.**

Fee: **Rs. 1,200/- per student + 18%**

No. of students: **40**

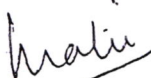
Total Amount: **40 Students @ Rs.1,200/- + 18 % GST = Rs.56,640/-**

Date of classes: **from 11-12-2019 to 30-12-2019 (Time: 12 Noon to 2.00 pm).**


The amount payable can be incurred from the M.Sc. (CS) IV student's contingency fee.

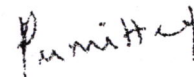
Thanking you sir.


Yours faithfully,

  
(KVB Saraswathi Devi)  
HOD, Dept. of Computer Science, BVC.

Approved.

  
10/12/2019



  
**(Dr. Y. ASHOK)**  
PRINCIPAL

Bhavan's Vivekananda College of Science  
Humanities & Commerce  
Sainikpuri, F.R. (Dist.)

# Bhavan's Vivekananda College

## Department of Computer Science

### Report on "RedHat Linux Administration"

#### Value Added Course for M.Sc.(CS) IV Semester Students

To provide the placement support to M.Sc.(CS) students along with technical knowledge, the department of computer science arranged a value added course on "RedHat Linux Administration" to M.Sc.(CS) IV Semester students. The session details are as follows:

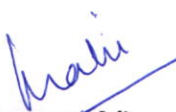
**Program Title:** RedHat Linux Administration

**Conducted by:** M/s Amrita Technologies

**Duration of the program:** 46 Hrs from 11/12/2019 to 10/1/2020

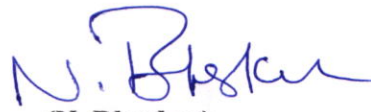
**No. of students attended :** 40

The session was more useful to students in knowledge acquisition and placement support. It provided a platform to know the administration tips and certification procedure for higher learning in Linux Administration.



(KVB Saraswathi)

Head, Dept. of CS, BVC



(N. Bhaskar)

Co-ordinator, M.Sc.(CS) Program, BVC

## RHA Account Set Up information

To set up the Academy, please complete the form:

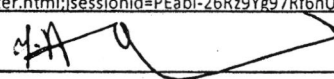
College/University Name:	Bhavan's Vivekananda College
Address: (Including City / State / Pin Code)	Bhavan's Vivekananda College, Defence Colony, Sainikpuri, Secunderabad - 094
Authorised Person Name: (Principal/Registrar/VC)	Prof. Y. Ashok
Authorised Person Email: (Provide Official Email Id)	principal@bhavansvc.ac.in
Authorised Person Contact No: (Direct Landline Number)	040-27115878, Ext: 218
Authorised Person Mobile No: (Provide Mobile Number)	9347983943
Authorised Person Designation:	Principal
Website URL of the Institution:	WWW.bhavansvc.ac.in
Number of students you plan to teach each year:	41

Required a Single point of Contact to manage the Academy Program at the Institution, who will have the access to the FREE HTML content and coordinate with the Red Hat Officials.

Academy Manager Name:	N. Bhaskar
Academy Manager Designation:	Lecturer
Manager Email Id: (Provide Official Email Id)	bvclinux@gmail.com
Manager Contact No: (Direct Landline Number)	040-2711611 Ext: 218 - 27115878
Manager Mobile No:	9347983943
Red Hat Customer Access ID: (Provide the Red Hat ID,....)	bvclinux@gmail.com
Partner Name: (Provide the name of the Red Hat Partner)	Amrita Technologies, Secunderabad -026

It is important that the Red Hat Manager's Customer Access ID is the ID that is set up at

<https://www.redhat.com/wapps/ugc/register.html?sessionid=PEabl-26Rz9Yg97Rf6nUFWmb.6a751b80?flowId=register-flow&flowExecutionKey=e1s1>

Authorised Person Signature: 

Dated: 15-11-19

(Dr. Y. ASHOK)  
PRINCIPAL

Institution Seal:

Location: Sainikpuri Bhavan's Vivekananda College of Science  
Humanities & Commerce  
Sainikpuri, R.R. (Dist.)





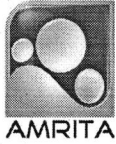
# Amrita Technologies

## Red Hat Training Invoice (RH124, RH134)

Sl. no.	Student Name	Class
1	ALLE REBEKA	M.SC(CS) IV SEM
2	ALLADI ANUSHREE YADAV	M.SC(CS) IV SEM
3	AMBARI VIKESH YADAV	M.SC(CS) IV SEM
4	BADURE LAKHAN	M.SC(CS) IV SEM
5	BAGARI SHIVALI	M.SC(CS) IV SEM
6	CAMPBELL SHAUN VAROON K	M.SC(CS) IV SEM
7	CH VALLI VISHNU PRIYA	M.SC(CS) IV SEM
8	CHELLA SAI KUMAR	M.SC(CS) IV SEM
9	DAMERA NAVANEETHA	M.SC(CS) IV SEM
10	DOMAKONDA RAJENDER	M.SC(CS) IV SEM
11	DONIKALA NIKHIL KUMAR	M.SC(CS) IV SEM
12	GATTAGONI SAI PAVAN KUMAR	M.SC(CS) IV SEM
13	GERA PAVAN KUMAR	M.SC(CS) IV SEM
14	GOPISETTY DHANA AVANTHIKA	M.SC(CS) IV SEM
15	K HITESH SINGH RAJPUROHIT	M.SC(CS) IV SEM
16	KAVADI VINEETH	M.SC(CS) IV SEM
17	KOMMIREDY LAVANYA	M.SC(CS) IV SEM
18	KORANI SUMANKANTH	M.SC(CS) IV SEM
19	MD AMEER ALI	M.SC(CS) IV SEM
20	MD GAFOOR PASHA	M.SC(CS) IV SEM
21	PANDIKONDA PRAKASH	M.SC(CS) IV SEM
22	PONAGOTI VIDYA	M.SC(CS) IV SEM
23	SAI RAMANA YR	M.SC(CS) IV SEM
24	SAI SETTI SAI KIRAN	M.SC(CS) IV SEM
25	SAUMESH ROURAY	M.SC(CS) IV SEM
26	SIRIGIRI GAYATHRI	M.SC(CS) IV SEM
27	UDDATHA SWETHA	M.SC(CS) IV SEM
28	UPPARI ROJA	M.SC(CS) IV SEM
29	VALLALA BHARATH	M.SC(CS) IV SEM
30	YELLAMULA SHANKARAI AH	M.SC(CS) IV SEM
31	M PRIYANKA	M.SC(CS) IV SEM
32	PENDLI RAVI KIRAN	M.SC(CS) IV SEM
33	SHAIK FARHEEN BEGUM	M.SC(CS) IV SEM
34	SHAIK RESHMA	M.SC(CS) IV SEM
35	VINAYAK KUMTA HARSHITHA	M.SC(CS) IV SEM
36	KODAKANDLA HARIKA	M.SC(CS) IV SEM
37	J DHANA LAXMI	M.SC(CS) IV SEM
38	THULSIRAM MONICA	M.SC(CS) IV SEM
39	SANGAM BINDHU	M.SC(CS) IV SEM
40	PILLANAGROVI AJAY	M.SC(CS) IV SEM

*N. B. Shetty*





# Amrita Technologies

(A Unit of Amrita Enterprises Pvt Ltd)

#201, Swaathi Menors Apt, Nr Aditya Trade Centre, Ameerpet, Hyderabad-16

Tele : (040)2733174, 27737969 E:Mail- admin@amritahyd.org

Website : www.amritahyd.org

College students according to their requirements.

**The importance of Linux in the IT market is growing rapidly, so the Red Hat Academy program enhances career prospects for our graduates**

**More than 90% of Fortune 500 companies currently rely on Red Hat.**

## **Red Hat System Administration I (RH124)**

### **Fundamental Red Hat system administration skills**

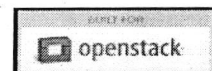
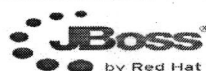
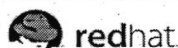
Red Hat® System Administration I (RH124) is designed for IT professionals who are new to Linux® and require core Red Hat Enterprise Linux skills. This course focuses on essential administration tasks that will be encountered in the workplace, including installing the operating system, establishing network connectivity, managing physical storage, and performing basic security administration.

Early in the course, GUI-based tools will be featured to build upon the students' existing technical knowledge. As the course progresses, key command-line concepts will be introduced to provide a foundation for students planning to continue to Red Hat System Administration II with the goal of becoming full-time Linux system administrators.

### **Audience**

- All Students will develop the in-demand skills employers need and receive discounted certification exams.
- A student interested in working in any IT company, the stream may be Programmer, Database Admin or System Admin
- A non-Linux IT professional on the path to becoming a full-time Linux system administrator.

### **Prerequisites**



## Guest lecture by Dr. Sourav Kanti Mukopadhyay

The Department of Biochemistry organized a guest lecture on 12-12-2019 under DBT-Star college scheme for undergraduate students of Biochemistry. The lecture was delivered by Dr. Sourav Kanti Mukopadhyay, Scientist, Analytical Sciences Dept, Aurobindo Pharma Ltd, Hyderabad. He delivered a lecture on “**Good Lab Practices and Method Development**”. He created awareness on the necessity and importance of Good Lab Practices (GLP) and the need to follow them in the industries as well in the college laboratories. Students were also explained about the good documentation processes and calibration of instruments. He also explained about the necessity for the development of appropriate and valid method in formulating the drug and forwarding it to the processing level. Students of M.Sc biochemistry also have attended the seminar and interacted with the speaker. Overall, the lecture was very informative in preparing the students to work in industries.







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**Report for the year 2019-20**

Date: 20<sup>th</sup> November 2019

Venue: Hindustan coca- cola beverages pvt ltd.,

SPEAKER: NA

Audience: MBA I YEAR STUDENTS. ( sec A &B)

TOPIC: industrial visit

1. Name of the Participant(s) if the programme is conducted outside the college: NA

2. Name of the Department if the programme is conducted inside the college:

Department of Management Studies.

3. Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:  
Industrial Visit

4. Title of the Workshop /Seminar /FDP /Refresher Course /Orientation Course/Others:  
In case of Seminar:(Tick the correct option) NA

National  - International

Presented  - Participated

If Presented, enclose the Title of the presentation: NA

5. Date of the event: 20<sup>th</sup> November 2019

6. Place of the event: Hindustan coca- cola beverages pvt ltd.,

7. Name(s) of the Resource person(s): NA

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

9. **Industrial Visit-** Hindustan coca- cola beverages pvt ltd.,

## **A VISIT TO HINDUSTAN COCA-COLA BEVERAGES PVT LTD., AMEENPUR**

The Coca-Cola Company began in 1886, with the creation of John S. Pemberton's soda drink. It has been over a hundred years since Coca-Cola has been formed, and it is now one of the top brands in the world.

The Department of management studies planned an industrial visit for MBA first year students to visit one of the manufacturing units of Hindustan Coca Cola Beverages Pvt Ltd (HCCB). The visit was on 20<sup>th</sup> of November, 2019, situated at Ameenpur, Hyderabad .

A total of 111 students MBA first year students (section A and B) visited the plant. Students were accompanied by four faculties of the department. Faculties are Dr. Madhuri Srinivas, Dr. Kavitha Lal, Mr. Chandhan Babu and Mr. Nitin Bhartwaj.

The Ameenpur HCCB plant is spread over a wide area of 23.7 acres of land of which 40% is consumed for industrial and manufacturing purposes and the remaining 60% is the green cover for the plant. Currently, the plant employs around 350 employees, with 180 permanent employees and the remaining hired on a contract basis depending on the seasonal requirements. The plant is fully automated and follows the TPM or the Total Productive Maintenance system. The TPM system encompasses all the employees from the shop floor to the executive boardroom, in converting the inputs into outputs, while maintaining the achieved sustainable condition.

The visit to the factory turned out to be an enriching experience for the students who gained an in-depth knowledge about the manufacturing process of the Coca-Cola. Mr. Surya Narayana Raju, Head Marketing, guided students through the entire process.

Mr. Surya Narayana also informed us that in 2018, the HCCB Ameenpur plant produced 3,57,00,000 crates of beverages. We also were intrigued to find out that "Thums Up" is the most sold beverage of The Coca-Cola Company in India, and has a monopoly of sales in the Telangana region. It accounts for more than 70% of the share of beverages consumed in

many districts of Telangana. the process of manufacturing the ,and getting to know interesting facts about how the product came into life and was sold in the past hundred years, the entire experience is one which we were privileged to experience.

Participant/Coordinator/HOD

Principal

# An Industrial visit to M/S. Coca Cola, Hyderabad on 20.11.2019



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

8<sup>th</sup> January, 2020



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 8<sup>th</sup> 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



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

9<sup>th</sup> January, 2020

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 9<sup>th</sup> 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 capbottles for the sweet tooth and the blue cap bottles (low sugar content) for the health-conscious people]



## Industrial visit : **Creamline diary products pvt ltd**

14<sup>th</sup> February 2020

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 BBA II year students of section A and B went for the Educational visit for the academic year 2019-20 which was conducted on 14<sup>th</sup> February 2020 .

### Objectives of the Industrial visit:

- To make the students aware of the practical job experience in a manufacturing unit.
- To demonstrate how various concepts of management including assembly line techniques, functional foremanship work in an industry.
- To demonstrate product mix through various processes like manufacturing, branding, packaging, labelling and recycling.

The students were welcomed by the creamline diary products management\_ and before the management take them for the manufacturing unit each student and faculty member was provided with a bouffant cap and a protective mask as a safety measure before entering into the industrial unit.

The educational visit of BBA II years was broadly divided into 4 major sections-

#### 1. **Ice cream section-**

This unit included 3 stageslikewise,

- **Ice cream production:** Huge installations and machines processed milk into fine ice creams through just a click of a button. There were workers employed to look after the smooth functioning of each machine.
- **Ice cream packaging:** Once the ice creams were prepared, they were packaged in various quantities from 100 ml to 1000 ml and shapes like cone, scoops, cups etc. A cone filling machine made the process easier by filling a cone, every 2 seconds whereas the cup/box packaging was done manually as 250 boxes per hour.
- **Hardening-** The ice creams were then, immediately shifted to a hardening room with artificially adjusted cold temperature to store the ice creams and prevent them from melting.

#### 2. **Butter processing section-** The second major section was the processing of butter through stages like-

- Raw cow's milk was put in a machine called '**separator**' that spins and divides the raw milk's fat from the rest of the liquid.
- The fats are called '**butter cream**', which were put in a bulk tank for 24 hours where it was **pasteurized**.
- It was then, transferred into a machine called '**churner**', that spins the butter, adding any flavour or salt needed for over an hour.
- It was then shaped and packaged ready for store shelves.
- The excess liquid from churning forms the milk for ice cream production whereas the liquid from separator machine is processed to create skim milk and curd.

3. **Milk and curd processing section-** The milk was processed in heavy machines through major stages like,
- **Pasteurization-** This technique heats milk to 72°C for no less than 15 seconds, then cooled immediately to destroy any harmful bacteria.
  - **Homogenization-** This stops the cream from separating and rising to the top of the container, allowing a more consistent texture and taste.
  - **Centrifugal separation-** This removes some or all of the cream to make reduced-fat, low-fat or skim milk.
  - **Ultra osmosis-** This is a combination of ultra filtration and reverse osmosis that holds back milk solids and allows both water and salt to pass through.
  - **Packaging-** The processed milk is finally packaged in cans, tetrapacks etc.

Lactic acid was added to the processed milk in a huge machine and through the process of fermentation; curd was prepared and accordingly packaged.

4. **Paneer, DoodhPeda and Badam Milk section-** Milk was heated and coagulated in large vessels which gave out-
- **Coagulum-** It was poured on a fine cloth and pressed, followed by water straining which made paneer.
  - **Khoa-** Further processed into doodhpeda.
  - The processed milk from the milk section was added with the badam(almond) flavour to give rise to **badam milk** which was packaged in reusable and recyclable glass bottles.

#### Outcome of the trip:

- Students, now know the enormous processing efforts from heavy machinery to manual processes and from rich quality ingredients to attractive packaging techniques behind the daily consumed dairy products.
- Importance of coordination with various sections and departments for the overall production is well understood.
- Product mix through manufacturing, branding(Jersey), packaging and labelling is well-explained.
- Most of the material used for packaging is either reusable or recyclable, making us realize the importance of fulfilling organization's social responsibility.



