



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 V: - Student Support and Progression

5.1.3

Capability Development and
Skill Enhancement Activity

2015-2016

Submitted to

National Assessment and Accreditation Council



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Department of Languages

Report on English Skill Enhancement Activities (2015-16)

Various skill enhancement activities are conducted during the English classes. The activities are conducted on a regular basis throughout the academic year.

The skill focused on during Semester I is 'Speaking'. Speaking skills are enhanced through classroom activities like JAM and Group Discussions. Speaking Skills are also assessed as part of CIA I of Semester I.

Semester II focuses on Listening Skills. Practice is given in listening comprehension through the use of audio files. Listening Skills are assessed as part of CIA I of Semester II.



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Report on BHAVANOTSAV-2015

Date: SEPTEMBER 11, 2015

Bhavanotsav-2015 was celebrated by the students of Bhavan's Vivekananda College, Sainikpuri with great fanfare and enthusiasm. It is an annual inter collegiate, techno-cultural festival that has gained immense popularity in recent years. It has become a must-attend event for aspiring students who would like to explore their potential and exhibit their talent. Bhavanotsav is a great platform that promises healthy competition and promotes holistic development and team spirit amongst the students.

Bhasha Tarang (Languages Department) organized imaginative competitions Masti Melange, CROSSoch and SONGaana that were well received by the students. Elocution competition on the topic "INTERNET IS MAKING COPY CATS" was conducted in English, Hindi and Telugu







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A Report on Languages Day Celebration-2015

Bhavan's Vivekananda College celebrated its **Language's Day** on December 9, 2015 with great enthusiasm. The program started with a prayer in Sanskrit. The Language department had conducted a series of competitions viz; story writing, jam session, power point presentation, crossoch (word puzzle) in English, Hindi and Telugu languages. The Sanskrit section conducted events in singing, recitation and counting numbers. The French section organized a fun based event "Try Trouver"- Treasure hunt.

Principal, Prof. Y. Ashok stressed the importance of languages in the curriculum and advised the students to gain proficiency in languages and not to view them just as a means of scoring marks.

Dr. Kameswari, HOD also spoke elaborately in her report about the innovative teaching methods and practices that are being introduced to make the language classes more interactive and student friendly.

An interesting quiz event "Guestymology" based on English loan words became an instant hit with the student audience. The program also included a medley of songs in various languages offered by the college.

The program ended with the prize distribution ceremony. The Principal awarded prizes and certificates to the winners.





**Guest Lecture by Dr. Janaki Srinath
6-8-2015**

The department of Biochemistry arranged a guest lecture on 6-8-2015 on the topic “Nutrition in Adolescence” by Dr. Janaki Srinath for B.Sc life science students. There was a participation of 90 students who were made aware of the diet that should be planned to avoid any future chronic illness. She stressed on the essential nutrients that should be included in the diet for a healthy living and also informed about the weight, wellness and reproductive outcome. She also asserted how the food, physical exercise, stress management and hygiene can make one a better individual.



Workshop at NIN

The department of Biochemistry organized a workshop on “**Basic Cell Culture Techniques**” for the students of Biochemistry and Microbiology on 29th to 31st of October, 2015. This was arranged in collaboration with the Dept of Biochemistry and Stem cell division, NIN, Hyderabad. All the 21 students participated were taught about the Trypan blue exclusion test for cell viability, DCFDA test for the detection of cellular reactive oxygen species and the MTT test for the viable cells for high throughput screening. LDH assay which is done to detect necrosis was also shown to the students. These experiments were done with the help of instruments like fluorescent microscope and inverted microscope, multi well scanning spectrophotometer. The students were explained about animal handling in experiments and ethical issues involved in using them.







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**Department of Biochemistry
2015-16**

**Workshop on "Basic Cell Culture techniques"
29th -31st Oct 2015**

In collaboration with NIN

List of M.Sc (Biochemistry) Students who attended the workshop

S.No	Roll No	Name
1	107214514001	Trapti Gupta
2	107214514002	D.Soujanya
3	107214514003	Anna Raji
4	107214514004	P.Bhavana
5	107214514005	K.Muttenna
6	107214514006	G.Krishna Shruthi
7	107214514007	B.Uppalaiah
8	107214514008	Shaik Arshad
9	107214514009	Afreen Begum
10	107214514011	B.Mura
11	107214514012	R.Pragna
12	107214514013	E.Nirmala
13	107214514014	R.Om Kala Manjari
14	107214514015	P.S.S.Ashwin Kumar
15	107214514016	A.Ravali
16	107214514017	P.Bhagwan
17	107214514018	Arpita Barua
18	107214514019	Hirdesh Sharma
19	107214514021	Shama Parveen
20	107214514022	M.Alekya
21	107214514023	A.V.S.Divya
TOTAL		21 Students

A. Sai Ash
3/10/15

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



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DEPARTMENT OF CHEMISTRY

Guest Lecture on Antisera and Vaccines

Mr. Ajit Nair, CEO, VINS Bio-TECH gave lecture on Antisera and Vaccines on 31-7-2015. The session was very enriching which highlighted on most common use of antiserum in humans.

He threw light on serotherapy, which describes the treatment of infectious disease using the serum of animals that have been immunized. About 125 Students participated in the lecture.





**GMERF – Foundation day lecture
17-8-2015**

Students of M.Sc Biochemistry and Microbiology numbering to 23 were taken to the GMERF foundation day lecture organized by the Global Hospitals on 17-8-2015. Dr.B. Sesikiran spoke on “Changing evidence on the role of dietary fat in prevention of cardiovascular diseases.”



Guest lecture on “Critical look-back at Newton’s Laws of Mechanics”

Department of Physics & Electronics has organized an extension lecture on “Critical look-back at Newton’s Laws of Mechanics” by Prof Souri Banerjee, Professor, Department of Physics, Associate Dean, Faculty Affairs, Birla Institute of Technology & Science, Pilani, Hyderabad Campus on 17/08/2015. Around 62 Students of BSc MPCs IIIyr have attended. Students have a very good opportunity to interact with Prof. Souri Banerjee.



Report On Guest Lecture on 22-08-2015

The Department of Genetics, Biotechnology and Botany conducted a guest lecture on “**Understanding *Plasmodium* through Transgenic Animals**” by Dr. K. Arun Kumar on 22-08-2015. Dr. K. Arun Kumar, a faculty from University of Hyderabad highlighted knockout experiments done in *Plasmodium*, where the ubiquitin kinase genes were removed in transgenic *Plasmodium*, which ultimately failed to produce functional oocytes in sexual reproduction cycle of Mosquito. This research will pave way for attenuated vaccines against malaria. The lecture inspired the students to pursue research. The lecture was very informative and interesting. It was appreciated by all the 100 students attended and as well as the faculty.

Guest Lecture

The department of Biochemistry organized a guest lecture by Dr. Lakshman Varanasi on 5th October, 2015. Dr. Lakshman is an alumni student who passed out from the first batch of MBiC (2002). He spoke to the students on the discovery of serum biomarkers in diagnosis of gastrointestinal cancer. The techniques employed for the identification of markers included filter aided sample preparation (FASP) and solid phase extraction of glycoproteins (SPEG). Following this, mass spectrometric analysis of xenograft mice serum was carried out to identify the clinically relevant protein sequence alteration in mass spectral data. All the 65 students present had an interaction with him regarding the biomarkers.



Report On Guest Lecture on 31-10-2015

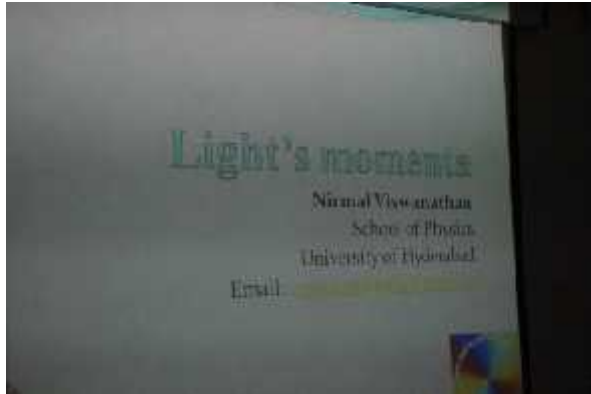
The Department of Genetics and Biotechnology conducted a guest lecture on “**EVOLUTION OF GENOTYPING TECHNOLOGY**” by Dr. V.V. RAVIKANTH, Scientist, Asian Institute of Gastro Enterology on 31-10-2015. There was a participation of about 100 students in the guest lecture. Dr. Ravikanth gave an insight into the developments in genotyping technology starting from basic RFLP to Next Generation technology. The lecture highlighted the principle and applications involved in identification of 17 million SNPs spread throughout the human genome using different techniques like microarrays, SSCP & NSG etc. The lecture was very informative and interesting. It was appreciated by all the students and faculty.





Guest lecture on “Light’s Momentum”

Department of Physics & Electronics has organized a guest lecture on “Light’s Momentum” by Prof. Nirmal Kumar Viswanathan, School of Physics, HCU, Hyderabad on 08-01-2016. A total of 96 students from BSc MPCs II and IIIyrs have attended in this programme.



Report on the visit to Centre for Cellular and Molecular Biology (CCMB)

29th October, 2015

Department of Biochemistry has organized an educational trip to - The Center for Cellular and Molecular Biology (CCMB), Hyderabad, on 29th October 2015 for B.Sc students. At the beginning of the trip the students were shown a documentary which emphasized on how science and art are correlated since both needs creativity and innovation.

The first lab shown was of confocal microscope where students were shown and explained about its principle and applications like 3D imaging, fluorescent labeling, laser sections and showed the image of Drosophila embryo with fluorescent dye markers.

Next was to the Drosophila lab where they were made to be aware of the life cycle of Drosophila and how it is used as a model organism. Subsequently, labs equipped with HPLC, Automated DNA sequenator and PCR machine were shown and its working principle was explained to the students.

After the lunch break, the students were taken to proteomics lab where they were shown Mass spectrometer, MALDI, ESI (Electron spray ionization), Flow cytometry, (FACS: fluorescent activated cell sorter),NMR Spectrometry, TEM(Transmission electron microscopy- 0.24nm resolution,200KV,copper grid, carbon film) .

The visit to CCMB was indeed a highly informative and educative to the students who had got the opportunity to view the working of sophisticated instruments which are being used routinely in the CCMB labs for various research activities. Overall the trip was a great learning experience for students and staff.



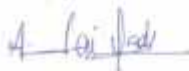


**List of Students of Bhavan's Vivekananda college, Sainikpuri
for CCMB visit**

Sl No	Roll No	Student Name
1	107212471010	PRIYANKA MEHRA
2	107213471001	B PRAVALIKA
3	107213471002	GAYATRI ESVLPN
4	107213471003	GUNTI BEERBIN
5	107213471004	KATIKA PAVAN
6	107213471005	KURPATH NIHAL MENON
7	107213471006	KOTRA VASHISTA
8	107213471007	M.B.HEMALATHA
9	107213471008	M MONICA SONALI
10	107213471009	PULLAGURLA SAMPATH REDDY
11	107213471010	R RAMA KRISHNA CHAITANYA
12	107213471011	R SUBRAMANYAM
13	107213471012	RAI DEEPAK REDDY
14	107213471015	YELLAPRAGADA SREE HARIKA
15	107213471016	BAISALI KUMARI
16	107213471019	MALOVATH DEVISINGH
17	107213471020	MANJU RANI DAS
18	107213471022	PRIYANKA GAUR
19	107213471023	SUBRAMANIAN V A
20	107213471025	VIVEK KUMAR
21	107213471026	DINESH BANDARI
22	107213471027	VIVEK RAO CHITTINENI
23	107213471028	SEDHALA SUDARSHAN MOUNIKA
24	107213471029	MUPPAVARAM NAGA KALYANI
25	107213471030	SILAM SAI DEEPAK
26	107213471031	P SANTOSHI
Total Students: 26		

Faculty Members

- Mrs.S.Vanitha – 9985549428
Vanithas.bioch@bhavansvc.org
- Mrs.D.Rajani – 9703536015
dyrajani@gmail.com



Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-501034

FIELD TRIP TO ARCI

30 students and two faculty members from Dept. of Physics and Electronics, Mrs V R Manjula and Mrs T Sai Santoshi have visited Advanced Research Centre for Powder Metallurgy & New Materials, Hyderabad on 06-01-2016. They visited 3 research centers namely Center for Laser Material Processing, Nanoscience Center and Material Characterization Center.



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Department of Mathematics and Statistics
Report for the year 2015-16

Activities in 2015-16:

Guest Lecture: Guest Lecture in Application of Statistics and Mathematics in Industry by Dr. Venkat KC Timmaraju, Principal Data Scientist ATOS (USA)

Talk by Dr. Venkat "Pester your lecturers with questions!" said Dr. Venkat, an alumnus of Bhavan's Vivekananda college who had taken some time off his schedule to speak and enlighten the students of our college. Dr. Venkat has masters in applied mathematics, york university, a PhD in statistics and mathematics, an MBA from Henley business school, UK. He had given a talk on the applications of statistics and mathematics in the industries which was very enlightening for our students for the foray into the future as to how to put their knowledge into good use after they graduate. He had mentioned a huge number of options for the students and has opened their minds to the potential of the subjects they've chosen. He had stressed very much on the concept of 'Big Data' as it is deemed to be the next big thing in the industry, a major potential which lacks people. He shared his views and got the students interested and motivated. A total of 95 students attended the lecture.



Guest Lecture by Prof. K V Achalapathi

A guest lecture was held on 03/11/2015 for M.Com and B.COM II (Reg/Comp/Hons) year students delivered by Prof. K.V.Achalapathi, Department of Commerce, Osmania University on topic "Descriptive statistical Analysis and its importance in making decision in business". He explained about the descriptive and inferential statistical methods applied in different fields of businesses. He took various business examples and its adoptability in business decision. Overall the guest lecture was very informative, interactive and interesting.

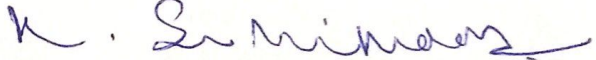






REPORT ON GUEST LECTURE ON 27-07-2016

Department of commerce has organized a guest lecture for M.Com Final year students by the resource person Mrs. Naga Lavanya a practicing Cost Accountant and 1st lady Vice chair person of Institute of Cost Accountants of India, Hyderabad Chapter. She has delivered the lecture on the need, objectives and functioning of Cost Accounting Standards and has explained in detail the 22 Cost Accounting Standards. The session was interactive and informative in nature and students were highly satisfied with the guest lecture.


DR. K. SREELATHA REDDY

HEAD, DEPARTMENT OF COMMERCE

REPORT ON GUEST LECTURE ON 10-11-2016

Department of commerce has organized a guest lecture for M.Com First year students by the resource person Prof. M. Usha, Department of Commerce, Osmania University. She delivered a lecture on "Principles of Marketing" on the topic "Corporate Business Strategic Planning". The students participated with lots of enthusiasm and interaction.


DR. K. SREELATHA REDDY

HEAD, DEPARTMENT OF COMMERCE