



# 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  
2015-16

*Submitted to*

**National Assessment and Accreditation Council**

## 2015-2016

### Health Camp

The department of Biochemistry organized a two-day Health Camp on 20<sup>th</sup> and 21<sup>st</sup> of January, 2016. The camp was organized in association with Vimta labs. The biochemical parameters that were tested included complete blood picture, lipid profile, creatinine, uric acid, serum calcium, Vitamin D, Vitamin B12 and thyroid profile. On 18<sup>th</sup> January, 2016 a lecture was organized by the department to give awareness to the staff regarding the clinical significance of different tests. The staff was made aware by a lecture why the tests were chosen and what the increased or decreased levels in the blood indicate. The camp received a good response with 79 staff members and students getting their blood parameters tested.

Hemoglobin levels were done free of cost to 200 girl students to assess the anemic condition. Body mass index and blood grouping were also done for the students.

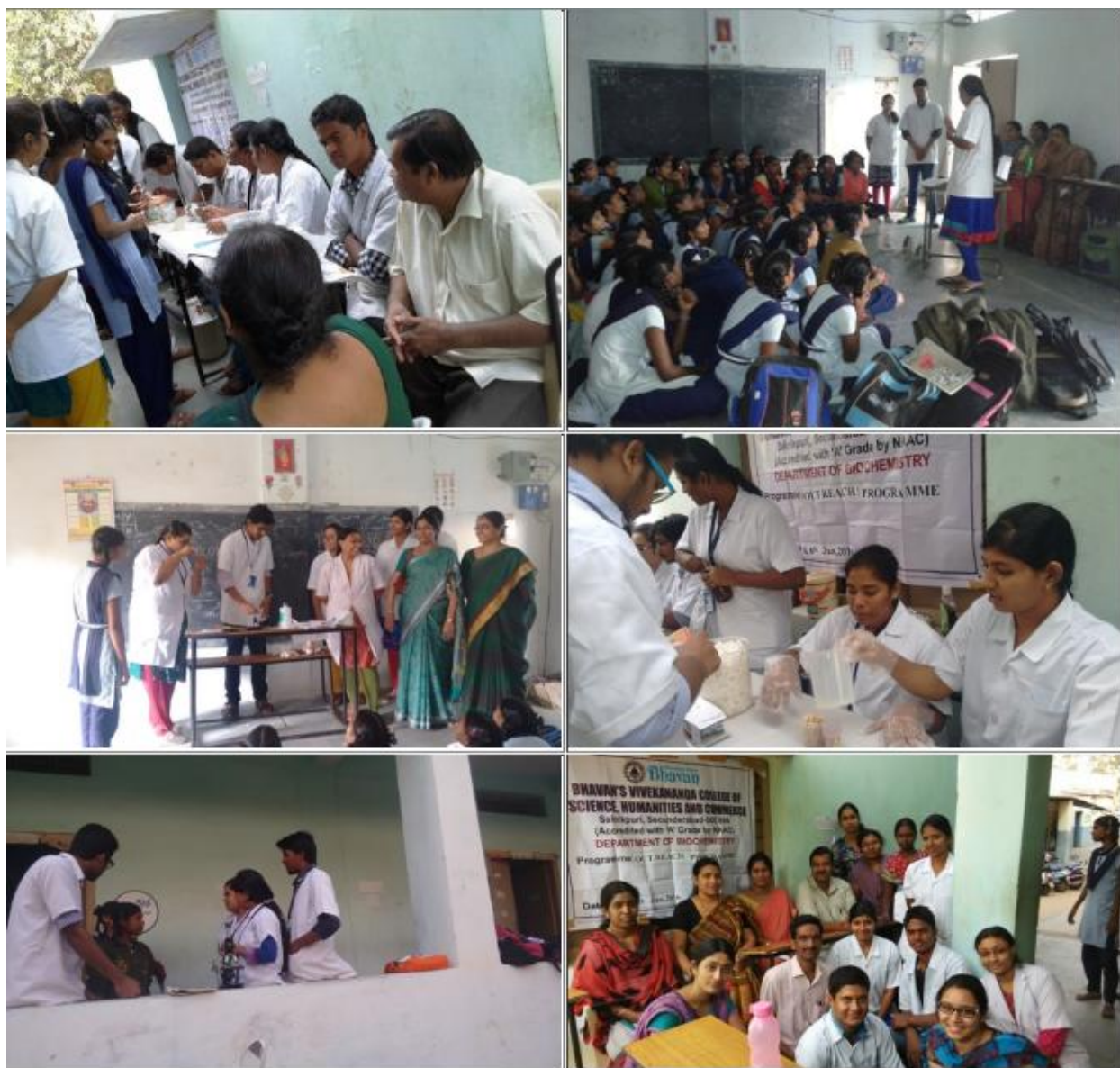






## OUTREACH PROGRAMME

The Department of Biochemistry has organized an outreach programme for school children of **ZP High School for Girls, Alwal on 5th and 6th Jan, 2016**. The teaching staff, graduate and post graduate students of the department have taken up this programme to encourage the school children to develop interest towards life sciences and consider it as their future career option. The programme included experiments like thin layer chromatography of plant pigments, enzyme catalase activity, cross sections of root and shoot. Upon the request of school authorities, blood grouping was done for about 131 children.



## OUTREACH PROGRAMME

The Department of Biochemistry organized an outreach programme for school children of **ZP High School for Girls, Alwal** on **1st August, 2015**. The programme included lectures and practical session of few science experiments which they will not be able to carry out in their schools. They were shown experiments like dialysis, diffusion and qualitative determination of ascorbic acid in citrus fruits. The purpose of the programme was to encourage the young minds to develop interest towards life sciences and consider it as a future career option.



**2015-2016**

**Workshop**

**“Basic Cell Culture Techniques”**

**29<sup>th</sup> & 30<sup>th</sup> of October, 2015**

The department of Biochemistry organized a workshop on **“Basic Cell Culture Techniques”** for the students of Biochemistry and Microbiology on **29<sup>th</sup> and 30<sup>th</sup> of October, 2015**. This was arranged in collaboration with the Dept of Biochemistry and Stem cell division, NIN, Hyderabad. Students 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.









## Report on the visit to Centre for Cellular and Molecular Biology (CCMB) on 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- 0.24nmresolution,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.



## **Industrial visit report on Lalit Foods Pvt.Ltd.,**

An industrial visit organized on **16 th December 2015** for the students of BBA III years where 50 students visited in order to enhance their practical stimulation and to let them having an overview on the activities related to operations management , scheduling which are carried by Lalith foods Pvt. Ltd. Lalit foods Established in 2015 , It has made a name for itself in the list of top suppliers of in India. The supplier company is located in Hyderabad, Telangana and is one of the leading sellers of listed products. Lalit Foods is listed in Trade India's list of verified sellers offering supreme quality of etc.

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----- Forwarded message -----  
From: [lalitha lalitha <lalitha.lalitha@gmail.com>](mailto:lalitha.lalitha@gmail.com)  
Date: Thu, Dec 10, 2015 at 3:54 PM  
Subject: Request for industrial visit  
To: <[lalitfoods@yahoo.com](mailto:lalitfoods@yahoo.com)>

To  
Mr Gopinath  
Managing Director  
Lalitfoods

Dear sir

Sub: Request for an Industrial visit in your plant: on 16th December for our BBA students-Reg.

As per our telephone conversation, we are grateful to you for accepting our request for permitting for an Industrial visit in your plant for our BBA students. A batch of 60 students along with two faculty members would be visiting to your plant on the date at 10.00am who can be made into batches as per your convenience and then allow them for going through the plant.

Note: Any more formalities to be proceeded with please do inform so that we can do the needful.

Thanking you  
Yours Sincerely

list of student ce...xlsx

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Dear sir

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Thanking you

Yours Sincerely

Dr.S.Lalitha

Associate Professor

Department of Management studies

Bhavans Vivekananda College

Sainikpuri, Secunderabad.



**Industrial Visit to lalit Foods**