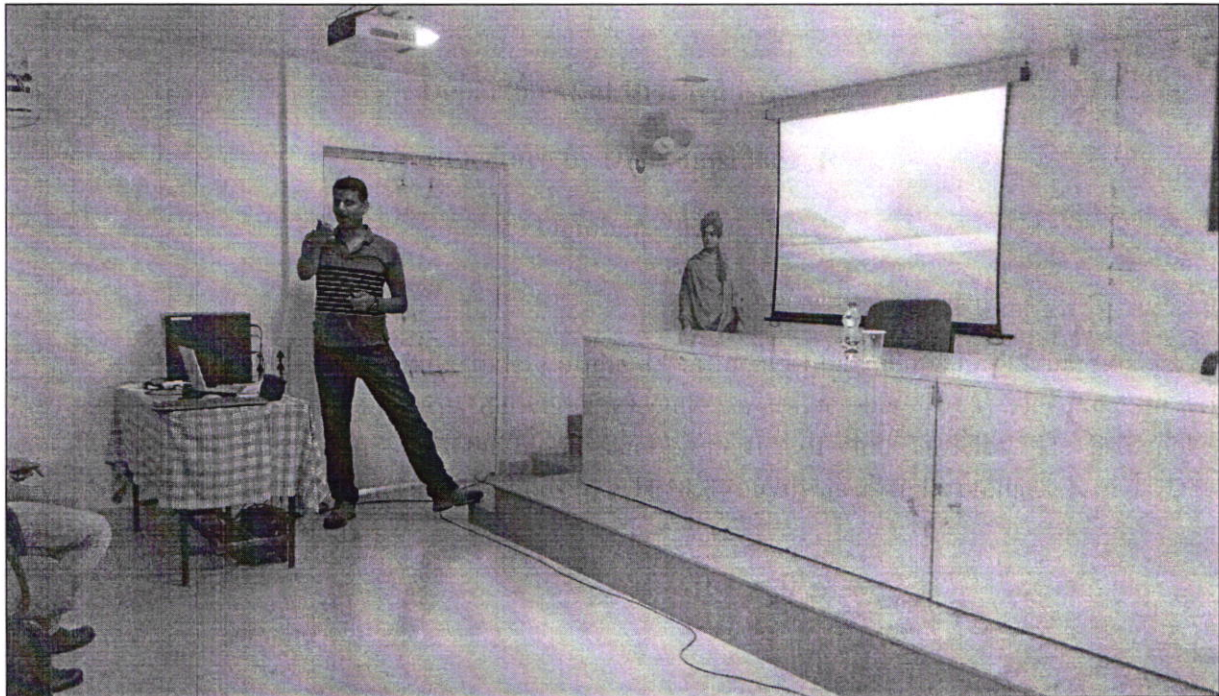


Department of Biochemistry**Guest lecture by Dr. Vamsidhar. R****4th October, 2016**

Dr. Vamsidhar. R an alumni student of the department of biochemistry pursuing his post-doctoral in Montana State University delivered a lecture on 4th October, 2016. He spoke on the multidimensional approach to study the biophysical properties of viral particles. He also spoke about the adeno associated virus and methods like TEM, Proteolysis using Proteinase K and SDS-PAGE to identify its serotypes.



**POSTER PRESENTATIONS (Theme: Tumor Markers)
TEAMS FOR GTVM-2017
M.Sc(Biochemistry)**

Group 1: BCR-ABL

Kotwal Shifa Bushra, A.Maria Angeelena, Farhathunnisa, B.Anusha, R.Mounika

Group 2: Carcinoembryonic antigen

ESVLPN Gayatri, M.Monica Sonali, K.Nihal Menon, M.Vineetha

Group 3. Thyroglobulin as Tumor marker

G.Jagruthi, N.L.Mounika,KNKL Lavanya, G.Beerbin

Group 4: CA125

P.Sampath Reddy, R.Deepak Reddy, P.Pranaya, Manju Rani Das,Priyanka Mehra

Group 5. Chromogranin-A

Nandhini Bala.B, A.P.P.Florence, S.Saahithi



Kotwal Shifa Bushra, A.Maria Angeelena, Farhathunnisa, B.Anusha presenting the poster



N.L.Mounika, KNKL Lavanya, G.Beerbin presenting their poster

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

STUDENT CLASS SEMINARS

M. Sc Biochemistry

2016-17

S. NO	Name of the student	SEM	TOPIC
1	Akul Rajaram Shastri	III	Lung Cancer
2	R. Aishwarya Lakshmi	III	Gestational Diabetes Mellitus
3	P. Navya	III	Drug like peptide treating 2 blood diseases
4	Moningi Lakshmi Priya	III	Mycobacterium Tuberculosis
5.	A. Priyanka	III	Phage therapy
6	Gude Sucharitha	III	Idiopathic Intracranial hypertension
7.	Kavididevi Vamshi	III	Chronic obstructive pulmonary disease
8.	Bondalapati Kartikeya	III	Erythroblastosis Foetalis
9.	Karukonda Raju	III	CRISPR/Cas9: The easiest genome editing tool
10	Mudhavath Mounica	III	Stem cell therapy
11	Bonguram Nagalaxmi	III	Middle-East Respiratory Syndrome
12	Addala Deepika	III	Alzheimer's Disease
13	Thirumani Prashant Goud	III	Cancer Immunotherapy
14	M. Niranjan Naik	III	Cardiovascular disease
15	Sabiya Unnisa	III	Cancer of the pancreas: Molecular pathways and current advancement in treatment
16	Shobham	III	Environment effect on gene expression
17	G. Lahari	III	Epilepsy
18.	Sreelakshmi. K	III	Prenatal diagnosis
19	Akula Naga Subhash	III	Nanotechnology in Drug delivery
20	Shaik Sohail	III	Thyroid disorder
21	Sameena Taiseen	III	Melanoma
22	Ashu Tyagi	III	Neuroimaging technique
23	K. Aishwarya	III	Psychological Disorder

201617

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Report on workshop (5th -8th December, 2016)

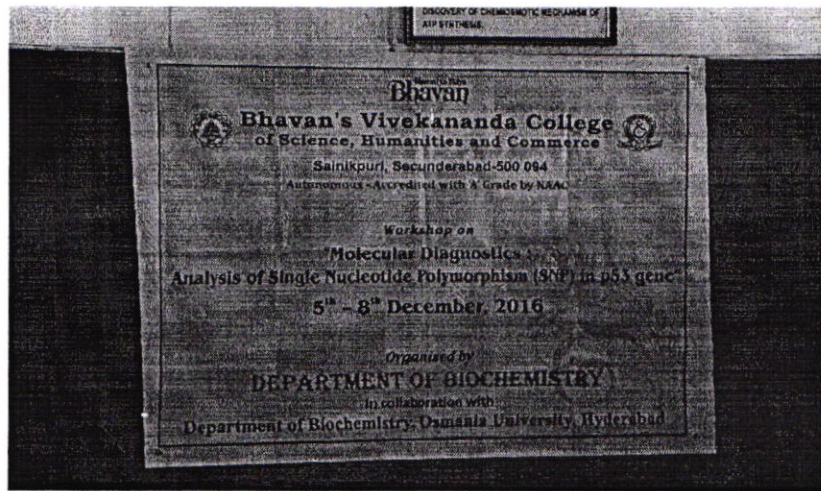
The department of Biochemistry conducted a workshop on "Molecular Diagnostics: Analysis of Single Nucleotide Polymorphism in p53 gene". This was organized in collaboration with the Department of Biochemistry, Osmania University from 5th to 8th of December, 2016.

Dr. Manjula Bhanoori, Asst Prof from the department of Biochemistry, OU was the resource person for this workshop. Research scholars of Dr. Manjula's lab, Mr. Venkat Reddy and Ms. Swapna have helped in providing the hands-on-experience to the students. The experiments carried out in the workshop were DNA isolation from blood samples, analysis of p53 polymorphism amongst the DNA samples by PCR amplification and RFLP techniques.

This workshop has provided the students in-depth practical knowledge and hands-on-experience in carrying out the above said techniques. The workshop was concluded with a valedictory function. Principal Prof. Y. Ashok addressed the students and gave away participation certificates.

A. Sai Jada

Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda
Ganikpuri, Secunra





BHAVAN'S VIVEKANANDA COLLEGE
OF SCIENCE, HUMANITIES AND COMMERCE
Sainikpuri, Secunderabad-500 094
(Autonomous- Accredited with 'A' Grade by NAAC)

Workshop on
“Molecular diagnostics: analysis of Single Nucleotide Polymorphism in p53 gene”

organized by the Department of Biochemistry, BVC
in collaboration with Department of Biochemistry, Osmania University, Hyd
5th – 8th December 2016.

S.No	Roll No	Name
1	51415001	Akul Shastri
2	51415002	R Aishwarya Lakshmi
3	51415003	P Navya
4	51415004	Moningi Lakshmi Priya
5	51415005	A Priyanka
6	51415006	Gude Sucharitha
7	51415007	Kavididevi Vamshi
8	51415008	Bondalapati Kartikeya
9	51415009	Karukonda Raju
10	51415010	Mudhavath Mounica
11	51415011	Bonguram Nagalaxmi
12	51415012	A Deepika
13	51415013	Thirumani Prashanth Goud
14	51415015	M Niranjana Naik
15	51415016	Sabiya Unnisa
16	51415017	Shobham
17	51415018	G Lahari
18	51415019	Sreelakshmi K
19	51415021	Akula Naga Subhash
20	51415022	Sk Sohail
21	51415023	Sameena Taiseen
22	51415024	Ashu Tyagi
23	51415025	K Aishwarya

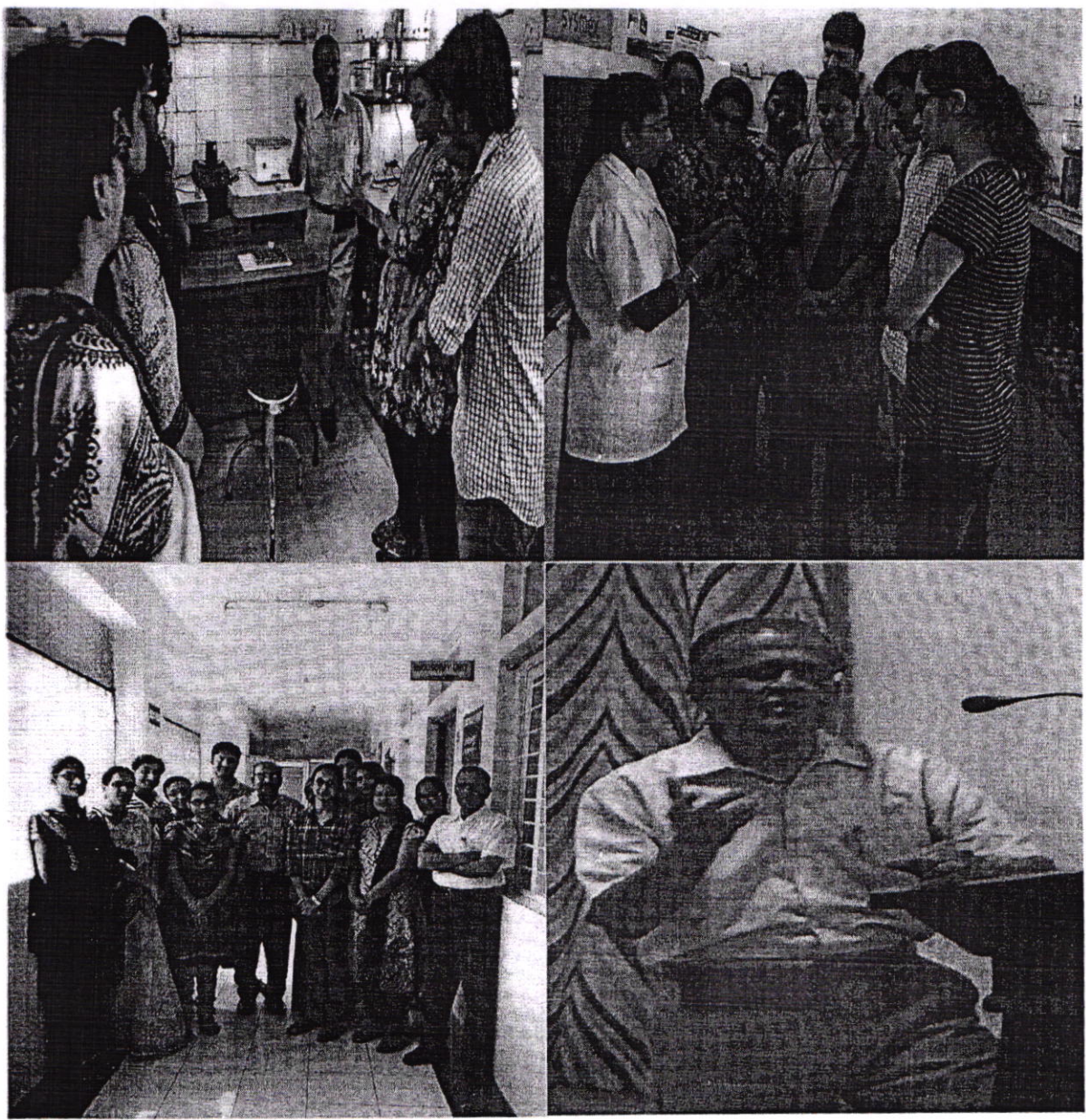
A. Sai Padal
8/12/2016.

Department of Bio-Chemistry

Osmania University

Certificate Course for PG Students (2016-2017)

The department of Biochemistry had conducted a certificate course in "Clinical laboratory diagnostics" in collaboration with Bhavan's Sarada Devi Hospital, Sainikpuri from 16-01-2017 to 1-03-2017 for students of M.Sc IV semester. The course was carried out for 30 hrs where the students were given a basic understanding of working in a clinical laboratory. They were trained on various biochemical tests for blood and urine samples. They were explained about functioning of an autoanalyzer for evaluating the biochemical parameters and hematology parameters along with ECG and measurement of blood pressure. Histopathology sectioning and staining of various human tissue samples were also shown. A lecture on histopathology of organs covering liver, muscle, nerve and uterus was delivered by Lt. Col (Retd) Dr.C.Ramji, Consultant Pathologist, Bhavan's Sarada Devi Hospital, Sainikpuri, Secunderabad.



Dr. C. Ramji

As a part of the certificate course, students were taken to Vijaya Diagnostics at Himayat Nagar, Hyderabad on 22.03.2017. Students were made aware of high level of automation involved in the diagnostic centres. Starting from the collection of the samples, storage, processing and reporting the data involves a high degree of automation. Students were shown biochemistry, microbiology, hematology, histopathology, molecular Biology and cytogenetics labs. They were explained about the working mechanism of various instruments like autoanalyzers, electrolyte analyzers, blood grouping instruments, HPLC, PCR, FISH and pathology related instruments. Overall the visit had provided a very good insight into the clinical laboratory diagnostic labs.



U. Sai Pad

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

Department of Biochemistry

Students of M. Sc Biochemistry who have attended Value added course on
"Clinical laboratory diagnostics"

2016-17

S NO	ROLL NO	NAME OF THE STUDENT
1	51415001	AKUL SHASTRI
2	51415002	R AISHWARYA LAKSHMI
3	51415003	P NAVYA
4	51415004	MONINGI LAKSHMI PRIYA
5	51415005	A PRIYANKA
6	51415006	GUDE SUCHARITHA
7	51415007	KAVIDIDEVI VAMSHI
8	51415008	BONDALAPATI KARTIKEYA
9	51415009	KARUKONDA RAJU
10	51415010	MUDHAVATH MOUNICA
11	51415011	BONGURAM NAGALAXMI
12	51415012	A DEEPIKA
13	51415013	THIRUMANI PRASHANTH GOUD
14	51415015	M NIRANJAN NAIK
15	51415016	SABIYA UNNISA
16	51415017	SHOBHAM
17	51415018	G LAHARI
18	51415019	SREELAKSHMI K
19	51415021	AKULA NAGA SUBHASH
20	51415022	SK SOHAIL
21	51415023	SAMEENA TAISEEN
22	51415024	ASHU TYAGI
23	51415025	K AISHWARYA



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

2016-17
8

Department of Biochemistry

Guest lecture by Dr. Manjula

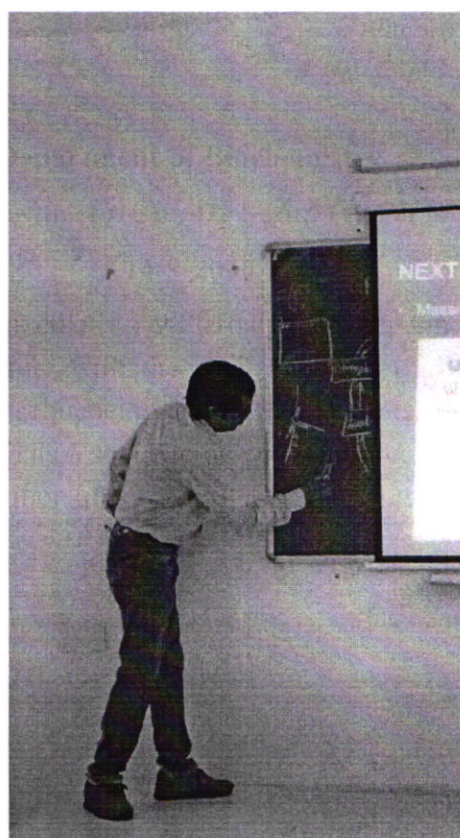
7-9-16

A guest lecture was organized by the department of Biochemistry on 7-9-16. Dr. Manjula, Associate professor from Osmania University spoke on the topic “**Pathophysiology of endometriosis.**” She spoke on the occurrence of endometriosis, its symptoms and causes. She explained on how this condition is related to life style and the measures to avoid it. She gave an insight into her research work about identifying a marker gene for diagnosing endometriosis.



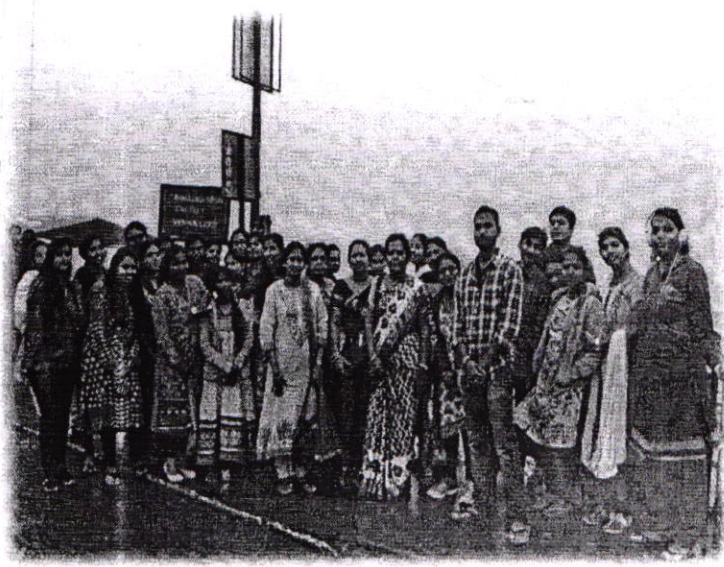
Department of Biochemistry
Guest lecture by Dr Sudip Ghosh
14-9-2016

A guest lecture was organized on 14-9-2016 by Dr Sudip Ghosh from National Institute of Nutrition. He started his lecture with the basic methods of DNA sequencing and then proceeded to the next generation sequencing and its applications. He explained in detail about the procedures and advantages of DNA sequencing with latest technologies. These techniques are useful to work with even minor quantities of DNA giving accurate results for forensic purposes and related applications.



2016-17

The students of M.Sc Biochemistry (15) and Microbiology were taken on an educational trip to Pune from 30th August to 1st September, 2016. Students were accompanied by faculty from both the departments. They visited the Serum Institute where they were shown the bacterial vaccine unit or the liquid vaccine diluent unit. They were explained about the preparation of different vaccines like DPT, HBV, MMR and BCG. The students were also taken to NCL, Pune, where they were briefed about the various research topics and their funding. They also visited the DNA sequencing unit where they were shown PCR and Sanger's sequencing unit. PCR and Sanger's sequencing.



W. Lai Dady

M.Sc(Biochemistry)

ORAL PAPER PRESENTATIONS

1. Next generation sequencing for wound microbiome:

B.Kartikeya, A.Priyanka, M.Mounica, K.Vamshi

2. Nutrigenomics:

Akul Shastri, G.Sucharitha, G.Lahari, B.Nagalaxmi

3. Personal Interventions for Alzheimer's Disease:

K.Aishwarya, Sameena Taiseen, A.Deepika, M.Niranjan Naik, M.LakshmiPriya

4. RNA sequencing in Schizophrenia:

Ashu Tyagi, Shobham, K.Raju, A.N.Subhash

5. Bioinformatics in novel drug target identification on human malaria:

Sabiya Unnisa, P.Navya



Ashu Tyagi, Shobham, K.Raju, A.N.Subhash participating in the presentation



Akul Shastri, G.Sucharitha, G.Lahari, B.Nagalaxmi participating in the presentation

A. Lahari
Head, Dept. of Bio-Chemistry
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Students Class Seminars
2016-17
MSc Biochemistry (Semester IV)

S. No	Student name	Sem	Topic of the seminar
1	Akul Shastri	IV	Cancer Multi drug resistance (MDR)
2	R. Aishwarya Lakshmi	IV	Pre-eclampsia
3	P. Navya	IV	Ectopic pregnancy (Risk factors, Diagnosis and treatment)
4	M. Lakshmi Priya	IV	Bleaching of paper pulp using enzymatic agents
5	A. Priyanka	IV	Alzheimer's Disease: current and future therapies
6	Gude Sucharitha	IV	Cystic fibrosis
7	K. Vamshi	IV	Selenium in health and disease
8	B. Kartikeya	IV	Next generation sequencing of wound microbiome
9	Karukonda Raju	IV	The genome editing technology
10	M. Mounica	IV	Stone Man syndrome
11	B. Nagalaxmi	IV	Effect of <i>Tinospora cordifolia</i> on diabetic nephropathy
12	Addala Deepika	IV	Gout-Current diagnosis and treatment
13	T. Prashant Goud	IV	Development of PD-1/PDL1 pathway in treatment of non-small cell lung cancer
14	M. Niranjan Naik	IV	Migraine
15	Sabiya Unnisa	IV	<i>Invivo</i> diagnosis of the human hippo-campus across the menstrual cycle
16	Shobham	IV	Oncolytic virotherapy
17	G. Lahari	IV	Gene silencing by adenovirus-delivered snRNA
18	Sreelakshmi. K	IV	Plantibodies on human and animal health
19	Akula Subhash	IV	Transdermal drug delivery system
20	Shaik Sohail	IV	Role of IL-6 in immunity
21	Sameena Taiseen	IV	Tomato lycopene and its role in human health
22	Ashu Tyagi	IV	Alport syndrome
23	K. Aishwarya	IV	Epidemiology of male breast cancer