



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

2017-2018

Submitted to

National Assessment and Accreditation Council



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A REPORT ON LANGUAGES DAY CELEBRATION 2017

Sept 14, 2017

Bhavan's Vivekananda College, Sainikpuri, celebrated the **Languages Day** on Sept 14, 2017. The Department Of Languages organized a series of competitions in English, Hindi, Telugu, French and Sanskrit. Fun games and competitions like elocution, short play writing, word games, Sanskrit quiz and tour de bhavan (French) were organized.

Prof K Venkat Reddy, EFL University was invited as the chief guest.

The main highlights of the program were a fun quiz and a play titled "taming of the shrew".

The winners of the events conducted as part of Languages Day were felicitated by the Principal, Prof Y Ashok and awarded prizes and certificates by the chief guest.

Dr C Kameshwari, Head, Department of Languages read the Departmental report recounting the activities and achievements of the department.

The program concluded on a high note.







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Department of Languages

Report on English Skill Enhancement Activities (2017-18)

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.

During Semester III, Reading Skills are honed through practice in reading prose, poetry and other kinds of texts. Reading Skills are assessed as part of CIA I of Semester III.

Presentation Skills are enhanced during Semester IV. Students are given tips on making effective presentations (Oral/Poster/PPT). Presentation Skills are assessed as part of CIA I of Semester IV.

Conversation Skills, Soft Skills and Value Orientation are a part of the curriculum of Semesters I and II. Essay Writing and Report Writing are a part of the curriculum for Semester III and CV Writing and Review Writing are taught as part of the curriculum of Semester IV.

ESSAY WRITING, REVIEW WRITING, C.V. WRITING, REPORT WRITING SEM III AND IV

SEMESTER III		PG
UNIT I		
1. Focus: Life		3
Clarity: Answer		
2. Focus: A Wrong Man to Witness: Denial		7
Johanna's theory		
3. Vocabulary: Synonyms and Antonyms		13
4. Grammar: Propositions including Prepositional Phrases		17
UNIT II		
1. Focus: Paradoxical in Kalinga		21
Kumar's		
2. Focus: Trained English		25
K.N. Singh		
3. Vocabulary: British and American English Common Words		31
4. Grammar: Adverb		34
UNIT III		
1. Focus: All Good Girls		38
Langya: Myth		
2. Focus: Cause and Effect Concept		42
K. S. Chakraborty		
3. Vocabulary: Phrasal Verbs		49
4. Grammar: Conjunction		52
UNIT IV		
1. <u>Essay Writing</u> : Character Essay: Approaches to Essay		54
2. Vocabulary: Idioms		58
3. Grammar: Conjunctions		65
UNIT V		
1. <u>Report Writing</u> : Business reports, Media Reports		75
2. Vocabulary: Technical Vocabulary (Business, Media)		83
3. Grammar: Reported Speech (Including Reporting Verbs)		90

List of Contents- Prescribed Text book - I Year II Year

SOFT SKILLS, VALUE ORIENTATION, CONVERSATION AND READING SEMESTER I AND II

SEMESTER ONE		PG
CONTENTS		
Preface		iii
Author's Acknowledgements		iv
Students' Development Issues		v
SEMESTER ONE		
Lesson 1		
Focus: Fiction: 'The Club in the Sky' by James Thurber. Personalities: Character words—adjectives. Figures of Speech: Similes, metaphors, personification. Word roots, prefixes and suffixes. Vocabulary: Commonly misused words—Punctuation: Capitalization—CONVERSATION: Introducing yourself in a formal situation—Reading: Strategy: Cloning Texts. Writing: Expansion of a sentence into a paragraph—Self: Goals, Motivation and goal setting—Value orientation: Will you be a hero or not?		3
Lesson 2		
Focus: 'Happy People' by William Safire. Personalities: Words: adjectives, nouns, clauses, phrases. Figures of Speech: Similes, metaphors, personification. Word roots, prefixes and suffixes—Spelling: Spelling strategies using ac and de—Punctuation: Capitalization—CONVERSATION: Starting and sustaining a conversation—Reading: Strategy: The Millionaire—Writing: Sequencing—Self: Goals, self-confidence—Value orientation: Debt is the beginning of wisdom		28
Lesson 3		
Focus: 'A Faith of Life' by Henry Wadsworth Longfellow. Personalities: Words: adjectives, nouns—Grammar: Auxiliary verbs—Modals: Imperatives, Imperatives, Imperatives, Imperatives—Reading: Reading strategy: In-class and out-class—Punctuation: Full stop and comma—CONVERSATION: Describing your college and course of study—Reading: Strategy: Balance—Writing: Descriptive writing—Self: Goals, Motivation, self-confidence and self-image—Value orientation: Active sports: Enjoy the world		31
Lesson 4		
Focus: 'The Dear Departed' (an extract) by Shirley Houghton. Personalities: Letters with varied communicative functions: Main parts and format. Vocabulary: Collocations—Spelling: Words ending in -ed and -ness—Punctuation: Question mark		60

List of Contents - Prescribed Text book -



BHAVAN'S VIVEKANANDA COLLEGE

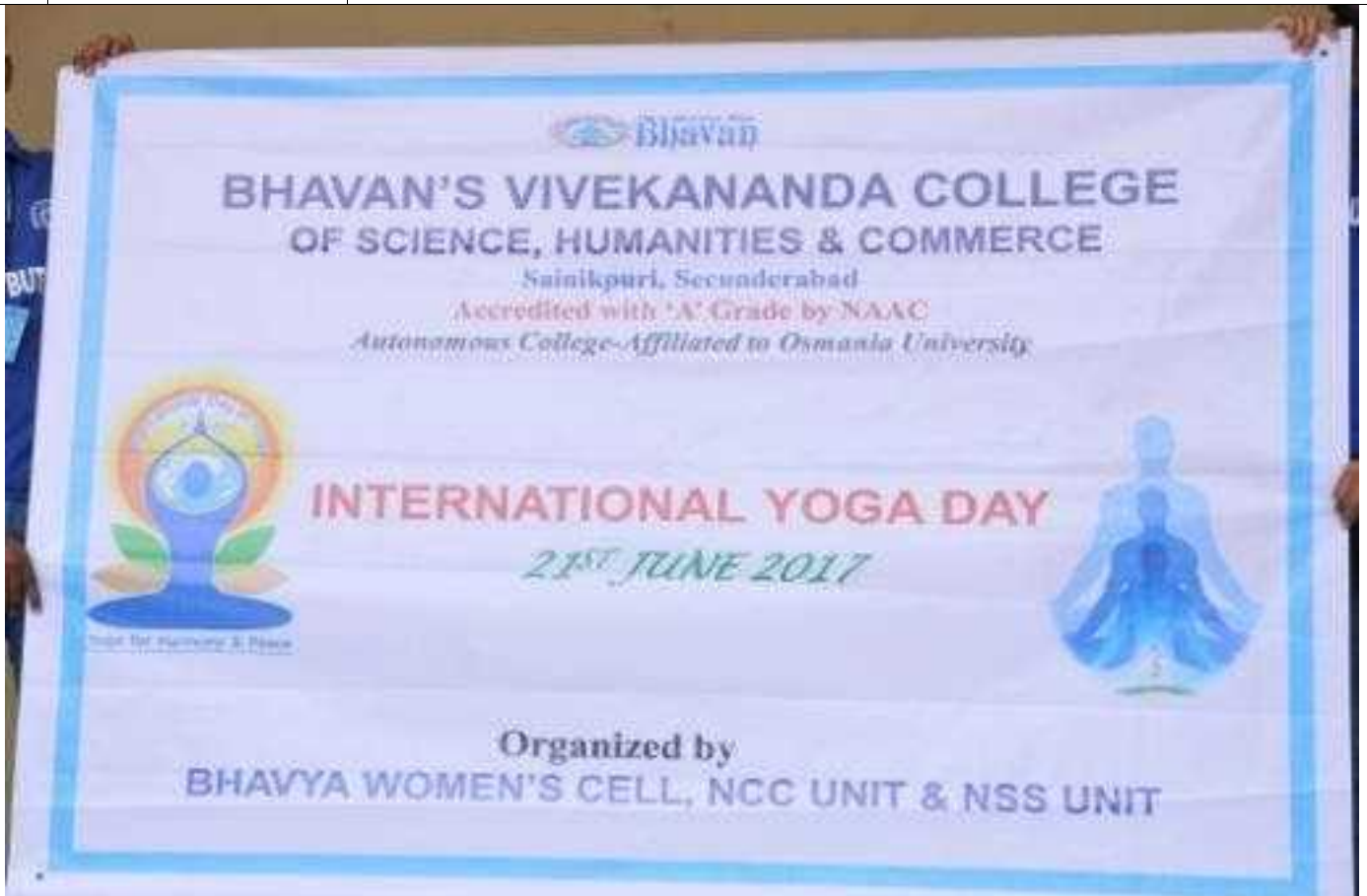
OF SCIENCE, HUMANITIES AND COMMERCE,
SAINIKPURI, SENUNDERABAD-500094

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12/2 COY 2 T BN NCC, SEC-BAD GROUP, AP & TELANGANA DIRECTORATE

Report on 3rd International day for yoga 2017

<u>SNo</u>	<u>Particulars</u>	<u>Description</u>
<u>1</u>	Name of the event	3 rd International day for yoga
<u>2</u>	Date(s) / Time	21-06-2017
<u>3</u>	Venue	Vivekabharathi Auditorium, BVC
<u>4</u>	In collaboration / association with	12/2 coy 2 T BN NCC, NSS, Dept of Phy Edu. and BVC.
<u>5</u>	Total Number of participants	Bhavans Vivekananda College SD-32 SW- 88 TOTAL-120 others 1500 grand total 1620 cadets
<u>6</u>	VIP(S) PRESENT	Principal, HODs, and Other Criteria Incharges.
<u>7</u>	In charges (if any)	SUO Satyanarayana Reddy.
<u>8</u>	Highlights	(1) Cadets actively participated at yoga day





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International Seminar Drug Designing & Discovery Of Vaccines

DAY 1: Day one of the seminar was organized at Vivekananda Hall, College of Defense Management, Sainikpuri on Dec 7th, 2017. The Seminar was Inaugurated by the chief guest & key note speaker Mr. AJIT NAIR, COO VINS Biopharma Ltd, Hyderabad. The event was presided by Shri I.Y.R. KRISHNA RAO, IAS (Retd.) Chairman, Bharatiya Vidya Bhavan, Sainikpuri Kendra & Air Cmde(Retd.) J.L.N. SASTRY, VSM, Vice Chairman, Bharatiya Vidya Bhavan, Sainikpuri Kendra, Hyderabad. The guest of honor Dr. Smita C Pawar, Head, Dept. of Genetics and Biotechnology, Osmania University, Hyderabad graced the inauguration. A warm welcome address was given by Prof Y. Ashok, Principal & Chairman of the seminar. Dr Madhumita Bhattacharjee, Head, Dept of Chemistry & Dr Jyothi Nayar, Head, Dept of Genetics & Biotechnology gave an insight into the two day seminar. The International seminar commenced with the talk by key note speaker, Mr. AJIT NAIR, COOVINS Biopharma Ltd, Hyderabad. An informative talk on Globion Products by Dr. Piruthiviraj Kumar, AVP, Globion followed soon after. Senior Scientist & Principal Scientist from IICT, Hyderabad Dr. Amitava Das & Dr. Anthony Addlagatta, spoke about Re-generative Stem cells & Drug designing, respectively. The post lunch session witnessed a talk by Dr. Asha Mallya, Deputy Director, Serum Institute of India, Pune on Challenges & way forward in Vaccine Research. Dr. Dhevelapally B. Ramachary, MRSC, Professor, School of Chemistry, University of Hyderabad emphasized on the green lab techniques in chemistry by his talk on Ramachary Bressy Wang [3+2] Cycloaddition : A versatile platform to fully decorated 1,2,3-triazoles. The final talk of the day was an interactive one by Dr. Narinder Mohal, Founding Director, GMK Research Laboratories Pvt. Ltd, Hyderabad on Drug Discovery & Development : Chemist's Perspective. The first day of the international seminar saw a good number of participants in the form of students, faculty & research scholars from various colleges of twin cities like University College for Women, Koti, St Francis College for Women, Loyola Academy & Mahatma Gandhi University. Day one of the two day international seminar was a highly educative & interactive one giving various insights into the current research & development in designing of drugs & new vaccines introduced. There was a participation of 150 students in the seminar.



DAY 2: The second day of the two day International Seminar on the title -DRUG DESIGNING & DISCOVERY OF VACCINES. was organized at Bhavan's Vivekananda College,Sainikpuri on December 8th ,2017. The seminar was organized by theDepartments of Chemistry, Genetics & Biotechnology of Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The session commenced with an interactive talk by Ms.Sireesha, Senior Director Strategic Marketing & External Affairs,USP on the various development activities of USP& career oriented bridge courses offered by them on life sciences. Next event of the day was oral presentation,poster presentation &quiz.Where participants from Bhavan’s Vivekananda College & various colleges of twin cities like St Francis College,LoyolaAcademy,OU college for Women,Kasturba Gandhi College,St Pious College took part.The esteemed judges for the events were Dr. Biplab Kumar Bhattacharjee, Senior Scientist,Nagarjuna Bio Pharma &Dr.NupurSengupta,Dr Reddy’s Lab. The final event of the day was the valedictory which was graced by the dignitaries Prof. Ch .Venkata Ramana Devi, Dean of Life Sciences, Osmania University ,Ms B

Niraimathi, Vice Principal, Bhavan's Vivekananda College & the Chief Guest Prof. A. Roja Rani, Dept. of Genetics, Osmania University. The two day seminar was successful in reaching out to the participants with the informative talks by renowned speakers on the first day & the interactive events for the participants on the second day. The valedictory concluded with the vote of thanks proposed by the convener of the seminar.



Activities in 2017-18:

National Seminar 2017-18 : "Internet of Things – Applications and Security"

Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, has a long standing record of pursuing a policy of excellence through a holistic approach to education. The department of Computer Science organized a seminar on the theme; "Internet of Things – Applications and Security" on September 7th, 8th, 2017 wherein 238 students actively participated. It was attended by Air Cmde (retd) J.L.N. Sastry, Vice Chairman, Bhartiya Vidya Bhavan; Guest Mr. Venugopal Kandimalla, Vice-President & Global Delivery Head, Tech Mahindra, Hyderabad; The Convener of the seminar Ms. K Saraswathi, Head Department Of Computer Science, gave the welcome address on the concept note of the seminar. Principal Prof. Y Ashok emphasized on the usage of health devices with IOT, Future opportunities in the field of IOT and its security. He also highlighted the applications of IOT like smart homes. The Guest Mr. Venugopal Kandimalla, Vice-President & Global Delivery Head, Tech Mahindra, Hyderabad had emphasized the IOT implementation for the quality and high productivity in agriculture field. The cost effectiveness implementation of IOT in different domains (like Industry, Academic, Science & Technology etc.). The Keynote speaker for the inaugural session was Prof.K Srinivas, Professor, ICT, Delhi. He emphasized on IOT enabled education, class room environment and organization of courses using IOT. He highlighted the features of MOOCS. He explained the opportunities & future career building with IOT. We received publications from AP, Tamilnadu, Orissa, Telangana, states of India and also from USA & Singapore of which 65 full papers have been published in International Journal of Advance Research in Science & Engineering. The Day 2 started with distinguished speaker Mr.K Rajasekhar, Deputy Director General, National Informatics Centre, Centre for Data Governance, Hyderabad. He

emphasized on the usage of IOT in contest to Indian Governance. Post Lunch Session started with panel discussion, the topic being "Cyber Security". The Moderator for panel discussion was Prof. M V Ramama Murthy, Department of Mathematics & Computer Science, OU; Academician Prof P R K Murti, Dean R&D, Jayamukhi Institute of Technological Sciences, Narsampet, Warangal; Industrialist Mr Sreenivas Jasti, Head, Program Manager Office, India Telecom Media & Entertainment, TCS, Hyderabad; Alumni Student Mr Krishna Ivatury, Project Delivery, GSS Infotech Limited. An active interactive discussion which lasted for more than 2 hrs, was brain storming and interactive. The Programme was an enriching learning experience for all the delegates present at the Seminar. The Two Day National Seminar on the theme "Internet of Things – Applications and Security" conducted with Valedictory function headed by Air Cmde(Retd.) JLN Shastry, Vice Chairman BVC; Prof. M V Ramama Murthy, Department of Mathematics & Computer Science, OU; Prof. Y Ashok, Principal BVC; Mrs K Saraswathi, HOD Computer Science, BVC.



WORKSHOP AT GMERF

(7th to 9th December, 2017)

The department has organized a 3-day workshop for 21 of the M.ScBiochemistry students on “**Molecular Diagnosis of Methicillin Resistant *S.aureus* (MRSA) by multiplex Polymerase Chain Reaction(PCR) and Real Time PCR**”, in collaboration with Global Medical Education and Research Foundation (GMERF), Global Hospitals, Hyderabad. The students were given hands-on training in isolation of DNA from *S.aureus* (MRSA) cultures by both conventional and kit methods. Further *mecA* and *nuc* genes were amplified by multiplex polymerase chain reaction (PCR) in conventional and real time methods. The products were analysed and found to show good amplification. At the end of the workshop, the students were given a test to assess their understanding of the procedures learnt in the workshop.





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Workshop on

"Molecular Diagnosis of Methicillin Resistant *S.aureus* (MRSA) by multiplex Polymerase Chain Reaction (PCR) and Real Time PCR"
organized by the Department of Biochemistry in collaboration with Global Medical Education and Research Foundation (GMERF), Global Hospitals, Hyderabad

7th - 9th December, 2017.

S.No	HTNO	Student name
1	107251416001	Gurijala Jagruthi
2	107251416002	A Maria Angeleena
3	107251416003	Saahithi Somishetti
4	107251416004	Rai Deepak Reddy
5	107251416005	Ashok Philomina Priscilla Florence
6	107251416006	N L Mounika
7	107251416007	Babburi Anusha
8	107251416008	M Monica Sonali
9	107251416009	Poralla Pranaya
10	107251416010	Gogikar Naveena
11	107251416012	Gunti Beerbin
12	107251416013	Pullagurta Sampath Reddy
13	107251416015	Kurpath Nihal Menon
14	107251416016	Farhathunissa
15	107251416019	Priyanka Mehra
16	107251416020	Gayatri E S V L P N
17	107251416021	Nandhini Bala B
18	107251416022	Kotwal Shifa Bushra
19	-	Kompella Naga Kanaka Lakshmi Lavanya
20	107251416024	Manju Rani Das
21	107251416025	M Vineetha

A. Sai Reddy

9/12/2017

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

Charles Babbage Day

22nd December, 2017 was celebrated as Charles Babbage Day, by FusionTech –The BCA club and the Department of Computer Science of Bhavan's Vivekananda Degree College to commemorate his 226th Birthday, in honor and respect for his dedication towards the development of computers.

The key note speaker for the day was Mr. C Madhusudhan Rao , Delivery Manager, Tech-Mahindra, who was graced on the dais along with Mrs. B Niraimathi, Vice Principal, BVC and Mrs KVB Saraswathi, Head, Dept of Computer Science. The event included the participation of 127 students.

The event began with the Lighting of the lamp which is believed to be very auspicious as per the Indian Culture before the beginning of any event. It was then followed by a very informative presentation on the Life of Charles Babbage by Tusshar and Vaishnavi from B.Sc MPCS and BCA 1st year respectively. This was followed by welcome address by Mrs. KVB Saraswathi, Head, Department of Computer Science and Mrs. B Niraimathi, Vice Principal, BVC.

Mrs Padmapriya, Lecturer, Department of Computer Science gave a brief report on Charles Babbage Day along with the students and Faculty's contribution towards getting different projects done in the past and the current academic years. She has highlighted on the various courses that were conducted as value-added courses in the college under the guidance of different faculty members from the department. A special presentation was given by Vivek Ganti, a BCA 1st year student on Quantum Computing.

The Key note speaker, Mr. Madhusudhan Rao was then requested to address the students on Big Data. Mr C Madusudhan spoke on what is Big Data, how is it important and why is it an area of more opportunity for computer

science students in the present days. He also focused on the various tools used by Big Data, and about the challenges of the same. He was given a token of appreciation for accepting our invitation by Head, Department of Computer Science, Mrs KVB Saraswathi.

The next session began with T. T. V Vamsi, BCA final year student and the President of FusionTech Club introducing the club, briefing about the activities and the main motto of the club. He then introduced the lecturer incharges of the club and the student heads who were later felicitated with badges as per their roles. Post the official inauguration of the I.T Club, we had few students giving presentations on the various projects they have done on different platforms such as Android, Arduino and C programming. This session was very interesting and motivating to see the students develop new applications, websites and devices which can be of use in our day-to-day life.

The presentations of the students were followed by the Valedictory programme where all the students who participated and gave presentations were awarded with participation certificates. The top students who were shortlisted by the judges for the Best projects were also announced for each platform/category and awarded with Mementos and certificates.

Special appreciation awards were given to two of our students, one to T.T.V.Vamsi Krishna, a Final year BCA student who was given the title, Mr. Techno Ment, and Vishal Malve a Final Year B.Sc MECS was entitled Mr. Computer-G for their exceptional effort in doing the projects themselves as well as motivating and guiding other students. The program came to an end with Mr. G Mahesh Kumar, the coordinator of BCA, giving the vote of Thanks, thanking each and every student and Faculty members who put in their best efforts in making the event a grand success.



**Workshop on cytogenetics
20th & 21st January, 2018**

The Department of Biochemistry has organized a workshop in “Cytogenetics” for M.ScBiochemistry students in collaboration with Kamineni Life Sciences Pvt Ltd, Moula-Ali, Hyderabad on 20th and 21st, January, 2018. The workshop started with an introductory lecture on cytogenetics by Dr. Poornima, HoD, Dept. of cytogenetics, Kamineni Life Sciences Pvt Ltd and she explained the technique and significance of karyotyping in identifying genetic abnormalities and birth defects. The training session included culturing of blood cells, preparation of slides for observation of metaphase chromosomes and demonstration of technique of screening and imaging of chromosomes using spectral imaging software. They were also explained the patterns of unbanded and banded chromosomes for karyotyping and its analysis. Dr. Annie Hasan, Geneticist, of the Institute delivered a lecture on “Utility of Cytogenetics and FISH in current day health care”. She also motivated students to choose wide opportunities available in life sciences. The workshop provided a good opportunity for students to gain hands on training in karyotyping of chromosomes.





(10)

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Workshop on "Cytogenetics"
Organised by Department of Biochemistry
in collaboration with
Kamineni Life Sciences Pvt Ltd, Moula-Ali, Hyderabad
20th & 21st January, 2018

1	107217514001	NIHARIKA SHARMA
2	107217514002	PALLERLA OMKAR
3	107217514004	CHOUTI HIMANTHA
4	107217514006	A ANUSHA
5	107217514007	INAPARTHY HONEY
6	107217514008	NOMULA AKHILA KUMARI
7	107217514009	G SWARUPA
8	107217514010	JUTTU GUNA PRIYA
9	107217514011	CHALLALA MOUNICA
10	107217514012	ADDELLI MOUNIKA
11	107217514014	MADHIKUNTA SRAVANI
12	107217514015	KOTTAM GEETHA LAKSHMI
13	107217514016	MUNIPALLE SNIGDHA
		PRIYANKA
14	107217514017	BUDARAYAVALASA
15	107217514018	NIKITA SHARMA
16	107217514019	SRI RAM AISHWARYA
17	107217514020	PRIYANKA
18	107217514021	JADAV SHRAVANI

A. Sai Babu
22/1/2018
Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500094

REPORT ON GYANTARANGINI VYAKHYANAMALA-2018

23rd February, 2018

The annual lecture series GYANTARANGINI VYAKHYANAMALA (GTVM)-2018 was inaugurated by **Dr. Ch. Sasikala**, Professor, Center for Environment Institute of Science & Technology (Autonomous) JNTU, Hyderabad. This was followed by her key note address on bacterial diversity. Later, an invited lecture was given by **Dr. Kavitha Reddy**, Director, Sreya Nutrition, Director - Nutrition Communications, Nutri Tech Consulting Service Pvt. Ltd, Hyderabad. There were 70 students of PG biochemistry who actively participated in the event.

Afternoon session started with paper presentations by final year post graduate students of microbiology and biochemistry. These presentations were judged by **Dr. Manjula B**, Assistant Professor, Dept. of Biochemistry Osmania University, Hyderabad & **Dr. Sandeepa B**, Assistant Professor, Dept. of Microbiology, Osmania University, Hyderabad. Later in the afternoon, there was an inter collegiate competition on poster presentations for PG students from Biochemistry and Microbiology. Students from other colleges also participated in this event. The themes for the poster competitions were “Molecular diagnosis of genetic diseases” for biochemistry and “Microbial enzymes” for microbiology. **Dr.T. Sunitha**, HoD, Clinical Geneticist and Fetal Medicine spl. Institute of Genetics and Hospital for Genetic Diseases, Hyderabad and **Dr. B. Vijaya Lakshmi**, Assistant Professor, Dept. of Clinical Biochemistry, Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Hyderabad judged the poster presentations. GTVM concluded with a valedictory function in which **Dr.T. Sunitha** and **Dr. B. Vijaya Lakshmi** gave away the prizes to the winners of poster and paper presentations.







Date: 11/07/2017

To,

The Principal,
Bhavan's Vivekananda College,
Sainikpuri,
Secunderabad - 500094.

Sub: Request for starting Value-Added Courses in computer science department.

Sir,

The department of computer science is planning to start value-added courses in this month for all under graduate students.

I request you to kindly permit us to conduct this programme.

I recommend Mr. G. Mahesh Kumar, Assistant Professor, Department of Computer Science as the coordinator for value - added courses.

The details of the courses schedule and fee details are enclosed for your kind perusal.

Thanking you,

yours sincerely

K.V.B.

(K. V. B SARASWATHI DEVI)

Head. Department of Computer Science

Head of the Department

Department of Computers

Bharathiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Permitted to
start courses in
a) Avdino programming
b) Network administration
HA →
11/7



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Staff handling value-added course (2017-18)

Sl.No	Course Name	Duration	Fees	Eligibility	Staff
1	Arduino Programming for Automation	20 days	Rs. 1000/-	B.Sc(MECs) II & III Years	Mrs. M. Amitha
2	Coordinator				Mr. G Mahesh Kumar

K. V. B. Saraswathi Devi

(Ms. KVB SARASWATHI DEVI)
Head, Department of Computer Science

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

CIRCULAR

The department of computer science is conducting value-added certificate course in Arduino Programming for B.Sc(MECs) II & III Years students:

Course Name	Duration	Fees
Arduino Programming for Automation	20 Days	Rs. 1000/-

For registrations contact **G. Mahesh Kumar**, Assistant Professor, Department of Computer Science.

Registration Starting Date: 12 /07/2017.

Registration Ending Date: 15/07/2017.

Course Commences from : 18/07/2017.

Course Timings: 8.30 am to 9.30 am

Mali
Ms. KVB SARASWATHI DEVI
Head. Department of Computer Science

Y.A.
Prof. Y. ASHOK
Principal
11/7/17

Head of the Department
Department of Computers
Bharathiya Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.

Bhavan's Vivekananda College

Sainikpuri : Secunderabad

Department of Computer Science

ARDIUNO PROGRAMMING 2017-2018

Slno	Name of the Candidate	Class / Section	Semester
1	P LAKSHMI RIDHAMA	B.Sc(MECs)	III
2	M SOWMYA	B.Sc(MECs)	III
3	M SRAVYA	B.Sc(MECs)	III
4	G PRANAV SWAROOP	B.Sc(MECs)	V
5	VISHAL MALVE	B.Sc(MECs)	V
6	K ABHILASH	B.Sc(MECs)	III
7	A RAJESHWARI	B.Sc(MECs)	III
8	A RASAGNA	B.Sc(MECs)	III
9	K SHAIENDRA	B.Sc(MECs)	III
10	K KALYAN	B.Sc(MECs)	III
11	CH SAI KUMAR	B.Sc(MECs)	V
12	E SARASWATHI	B.Sc(MECs)	V
13	R BHAGYA SRI	B.Sc(MECs)	V
14	K HARIKA	B.Sc(MECs)	V
15	K PRIYADARSHINI	B.Sc(MECs)	V
16	A MAMATHA	B.Sc(MECs)	V
17	B DURGA MOUNIKA	B.Sc(MECs)	V
18	J HARSHITHA	B.Sc(MECs)	V
19	N LAVANYA	B.Sc(MECs)	V
20	T SRUTHI	B.Sc(MECs)	V
21	A HARITHA	B.Sc(MECs)	V
22	G NIKITHA	B.Sc(MECs)	V
23	D UDAY KUMAR	B.Sc(MECs)	III
24	V BHAVANA	B.Sc(MECs)	III
25	C AISHWARYA	B.Sc(MECs)	III
26	T AARTHI	B.Sc(MECs)	III
27	G BHUVANESHWARI	B.Sc(MECs)	III
28	Y MANISHA REDDY	B.Sc(MECs)	III
29	A KAPIL DEVAN	B.Sc(MECs)	III
30	SUNITA SUNASAGADA	B.Sc(MECs)	III
31	ROMI KUMARI	B.Sc(MECs)	III
32	SUKTHAE RAMYA	B.Sc(MECs)	III
33	ARUN KUMAR M	B.Sc(MECs)	III
34	SHRAVANI M	B.Sc(MECs)	V
35	RALPH EMMANUEL	B.Sc(MECs)	V
36	UTTEJ M	B.Sc(MECs)	V
37	P BHARANIDHAR	B.Sc(MECs)	V
38	L VAMSHI	B.Sc(MECs)	V
39	P SAI PRANATHI	B.Sc(MECs)	III
40	CHINTADA SRAVYA	B.Sc(MECs)	III
41	A NARESH KUMAR	B.Sc(MECs)	V
42	M PURUSHOTHAM RAO	B.Sc(MECs)	III

Mahi
Head of the Department
Department of Computer Science
Bhavan's Vidyapeeth Vivekananda College
Sainikpuri, Secunderabad - 500 094.

ARDIUNO PROGRAMMING 2017-2018

Slno	Name of the Candidate	Class / Section	Semester
43	CH SRIDHAR	B.Sc(MECs)	III
44	G BHARATH REDDY	B.Sc(MECs)	III
45	K AJAY KUMAR	B.Sc(MECs)	V
46	N C SAI KRISHNA	B.Sc(MECs)	V
47	MOHD AHMED	B.Sc(MECs)	V
48	ASHOK SINGH RATHOD	B.Sc(MECs)	V
49	T B V HEMANTH	B.Sc(MECs)	V
50	N SAHITHI RAO	B.Sc(MECs)	III
51	N N V P NIKHILA	B.Sc(MECs)	III
52	A SATISH REDDY	B.Sc(MECs)	III
53	CHVSSL ANU PRATYUSHA	B.Sc(MECs)	V
54	N VAMSHI KRISHNA	B.Sc(MECs)	III
55	K ABHILASH	B.Sc(MECs)	III
56	M SAI VAMSHI	B.Sc(MECs)	III
57	P KAVYA	B.Sc(MECs)	III
58	G SAI KIRAN	B.Sc(MECs)	III
59	K SAI MAHESH REDDY	B.Sc(MECs)	III
60	C ABHINAV RATHNAM	B.Sc(MECs)	V
61	T NAGA PAVAN	B.Sc(MECs)	V
62	MANEESH NAGA VENKAT	B.Sc(MECs)	V
63	CH SRI VARSHINI	B.Sc(MECs)	V
64	R RESHMI SARKAR	B.Sc(MECs)	III
65	ROSHAN SURESH	B.Sc(MECs)	V
66	PRARABDH SINGH	B.Sc(MECs)	V
67	M OMKAR	B.Sc(MECs)	V
68	O.L.MEGHANA	B.Sc(MECs)	III

Mani
Head of the Department
Department of Computers
Pharvati Vidyapeeth, Veerkananada College,
Sainikpally, Bangalore - 560 084.

Arduino programming for automation

Duration of the course : 20 Hrs

Objective of the course :Using the computer programming (OOPS) in electronic control systems like industrial and home automation.

Introduction :

Arduino is an open-source electronics platform based on easy-to-use hardware and software. **Arduino** boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, this is also **extensively used for IOT prototype development.**

Training content :

Arduino basics

- What is Arduino (Day-1)
 - Hardware and I/O
 - Types of Arduino
 - Where can be used
- Arduino interfaces and shields (Day-2)
 - Relay modules
 - Communication modules
 - Sensor modules

Arduino programming basics

- Arduino programming (Day-3,4,5,6,7,8)
 - Arduino IDE
 - Program structure
 - Compiling and loading "Hello World" program
 - Variables
 - Operators
 - Control statement (IF—Else)

hah
Head of the Department
Department of Computers
Bharathi Vidya Bhavan's Vivekananda College
Sainikpuri, Secunderabad - 500 094.


- Iteration statements (For, While loops)
- Read and write statements
- Functions

Arduino Labs

1. Toggle switching with a push button switch (Day-9)
2. Controlling three LEDs with a single push button (Day10)
3. Blinking LED and Running LED (Day-11)
4. Driving a 230 V bulb with a push button (with a relay) (Day-12)
5. Controlling a bulb with a light sensitive (LDR) switch (Day-13)
6. Controlling a bulb with a mobile (Day-14)

Arduino Projects

1. Programmable college bell with automatic birthday announcement
2. 10 Keypad security code lock
3. Light sensing controlled lights
4. Traffic density based traffic signal
5. Controlling lights with Android
6. Water tank level indicator


Head of the Department,
Department of Computer
Pharathy Vidyapeetham, Vivekananda College
Sainikpuri, Secunderabad - 500 091.

Report on Guest Lecture

Biotechnology for sustainable rice development

The Department of Genetics & Biotechnology organized a guest lecture for UG students on 22-07-2017 at 2.30 pm in the MBA Seminar Hall, Bhavan's Vivekananda College. The lecture was delivered by a Dr. Raman M Sundaram, Principal Scientist, Biotechnology Division, Indian Institute of Rice Research- ICAR, Rajendranagar, Hyderabad. A total of 120 students attended the guest lecture.

Dr. Sundaram briefed about the tools that could be used for improving rice by making it resistant to disease, tolerant to biotic and abiotic stress, to reduce the consumption of pesticides and herbicides and most importantly increase yield with limited land resources. He also emphasized the role of biotechnology to enhance rice breeding efficiency and shortening the breeding cycle.

Dr. Sundaram explained how he and his team used Marker Assisted Selection to improve Sambha Masuri BPT5204, a crop resistant to bacterial blight. Marker assisted breeding reduces the traditional breeding time significantly. He gave an insight on tools used for genetic engineering in rice and described in detail the transgenic rice produced at IIRR like rice resistant to bacterial, fungal and viral diseases, improved vitamin A (Golden rice) and elevated iron content. Another project that they are working on is to change rice from a C3 to a C4 plant, which will help improve the efficiency carbon usage and minimize net energy loss. The session ended with Dr. Sundaram interacting with students attending to their queries and doubts.



Guest lecture on “Journey to stars and Beyond”

Department of Physics & Electronics has organized a guest lecture on “Journey to stars and Beyond” by Dr. K. Sriram, Department of Astronomy, University College of Science, Osmania University, Hyderabad on 1st August 2017. 78 students of BSc MPCs have attended the programme. Students were impressed by the lecture and 4 students have joined for their masters in Astronomy.



DEPARTMENT OF CHEMISTRY

GUEST LECTURE- ORGANIC FARMING

Department of Chemistry of Bhavan's Vivekananda College, Sainikpuri organized a guest lecture on 12-08-2017. A total strength of 150 students attended the guest lecture. The guest speaker is Dr.S.J.RAHMAN, Principal Scientist & Univ. Head(Entomology). He works at AICRP on Biological Control, PJTSAU, Rajendranagar Hyderabad. He has 27 years of research experience. His research interest includes Bio Intensive Pest Management, Evaluation of technologies involving BT in crop pest management. His lecture gave a broader and deeper insight about Organic farming. Use of organic farming in uplifting the poor condition of farmer community.



Report on Guest Lecture

'PROSPECTS ON MUSHROOM CULTIVATION IN INDIA'

The Department of Genetics & Biotechnology organized a guest lecture for UG students on 06-09-2017 at 2.30 pm in the MBA Seminar Hall, Bhavan's Vivekananda College. The lecture was delivered by a Dr. K Prasuna, CEO, 'S'Mushroom Agritech, Hyderabad.

Dr. K Prasuna briefed about the struggle and hurdles faced by anyone who will start as an entrepreneur and establish in this very challenging field of entrepreneurship. She has done Ph.D on the growth patterns and biochemical aspects of *Calocybe indica* P&C (Milky Mushroom), a topical mushroom that suits Indian climate. She opted to culture and market mushrooms. She enlightened the students on realities of entrepreneurship.

Dr. K Prasuna explained how she and her team educate the local farmers to go for mushroom culture and make some lively hood as mushroom culture needs less space and investment. She gave an account of types of mushroom that can be easily cultivated suiting to Indian climatic conditions. She also briefed about the nutritional value of Mushrooms as they are a rich source of proteins. She even enlightened the 120 students with the therapeutic value of mushrooms, where eating mushrooms or having their soup helps them to combat even cancer.

The session ended with students interacting with Dr. K Prasuna and she attending to their queries and doubts.



Guest Lecture

The alumnus of the biochemistry department Dr. Lakshman Varanasi, Asst Professor, Institute of Molecular and Translational medicine, Palacky University OLOMOUC 77900 CZECH Republic has delivered a lecture to the under graduate and post graduate students of Biochemistry on 20th November, 2017. He spoke on his current research work of colon cancer markers and gave some insights of various career opportunities from which the students could choose after their courses. The lecture was well received by the 63 students who attended and interaction with him had cleared their doubts.



Guest lecture on VHDL

Subject: VHDL (VHSIC Hardware Descriptive Language)

Attendee: 85 Students of III BSc MECS

Organized by: Department of Physics & Electronics BVC

Date: 27/11/2017

Resource Person:

Name: G Sridhar

Designation: Assistant Professor

Department: Physics & Electronics

College Address: HRD Degree & PG College Hyderabad

Mrs. M Prasanna Assistant Professor Department of Physics & Electronics BVC introduced

Guest to the students.

The objective of the guest lecture is to introduce VHDL programming and to motivate the students to design digital circuits using VHDL programming.

Mr.Sridhar gave introduction to VHDL and explained different modeling styles, associated libraries and design flow of few circuits like adders and subtractors S.Allen from III yr on behalf of students proposed vote of thanks and expressed gratitude towards guest for sparing his valuable time. He also thanked Principal & Management and Department of Physics & Electronics for arranging such a knowledgeable lecture.



Guest lecture

19-12-2017

A guest lecture was organized by the Department of Biochemistry on 19-12-2017 by Dr.SumanaChakravarty, Principal Scientist, CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad. She spoke on “Relevance of using animal models in biomedical research: Special reference to behavioural disorders”. She explained the use of animal models like Zebra fish and mice to study the behavioural patterns. She also explained the basis of neurophysiology in behavioural patterns of animals. Students have received the lecture with high enthusiasm and interacted with her. There was a participation of 85 students in the guest lecture.



Value added course on Genetic Counseling -2017

The value added course on Genetic Counseling was conducted by the Department of Genetics and Biotechnology during April- May 2017. The theory for the course was conducted in the college consisting of 15 hours of instruction by the faculty from 11-4-'17 to 13-4-'17. The theory classes covered the basic aspects of Genetic disorders, diagnosis, treatment and prevention along with steps involved in Genetic Counseling. The practical internship for the course was done in the Institute of Genetics and Hospital for Genetic Diseases from 18-4-2017 to 12-5-17.

37 students enrolled for the course. They were organized into 5 groups and assigned to different labs – Molecular Biology, Cell Biology, Clinical Genetics, Clinical Biochemistry and Environmental Toxicology. The teams worked in the five labs for 5-6 days on a rotation basis. The students learned the following aspects in the labs:

Molecular Biology: Students learned the technique of DNA isolation from WBCs, electrophoresis, genotyping, and PCR.

Cell Biology: They learned Leucocyte culture, Karyotyping and FISH (Fluorescent In-Situ hybridization) technique.

Clinical Genetics: Students were familiarized to the process of Genetic Counseling by exposure to cases that had come to the Institute. They were shown how the technique of ultrasonography can be used to study fetal viability, growth and detect abnormalities in the fetus.

Clinical Biochemistry: The students performed serum and urine analysis for detection of Genetic disorders such as metabolic disorders and Single Gene disorders (Ex: detection of Copper levels in urine for Wilson's Disease).

Environmental Toxicology: Students learned the technique of Comet Assay. They were also given an overview of Bioinformatics and its applications.

The students enthusiastically interacted with the researchers and doctors at the Institute and also learned about various career options in the field of Medical Genetics. They visited the school for the differently able children attached to the Institute, which enlightened them about how such children are taught skills to be independent and become useful members of the society.

The students attended a seminar on Thalassemia at IOG organized as a part of World Thalassemia Day on May 8th 2017.

The internship program concluded with the students appearing for a written examination on the concepts and techniques learned at the Institute. The students found the course very interesting and comprehensive.





Visit to CFRD

19-8-2017

In an attempt to motivate the students of life sciences towards research, the M.Bi.C 3rd year students were taken to Central Facilities for Research & Development (CFRD), Osmania University on 19-8-2017. The students were shown different instruments like HPLC, Confocal Microscope, Nuclear Magnetic Resonance (NMR), Fourier Transform Infrared (FTIR) Spectroscopic Gas Analyser, Biofermentor for ethanol production, Mass spectrometer, Real-Time PCR, Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) and Lyophilizer etc. They were made aware of the working of different instruments and their applications in various fields of research. This visit has given the students an opportunity to understand the subject and research activities associated.





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

BHAVAN'S VIVEKANANDA COLLEGE of Science, Humanities & Commerce

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

Date :

22.07.2017

TO

The Director,
CFRD,
Osmania University,
Hyderabad.

Sir,

Sub: Request to permit for a visit to CFRD by B. Sc Biochemistry students – Reg.

Department of Biochemistry, Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad regularly organizes visits to research institutes and industries for B. Sc and M. Sc students. These visits will improve their understanding ability of the theoretical aspects learnt in the class room. The practical use of various instruments in your institute will definitely enhance the curiosity of students towards the subject and inculcate scientific temper in them.

In this context, I request you to kindly give us permission to visit CFRD on 19th of August 2017 from 1.00 pm to 4.30 pm. The number of students visiting the institute will be around 40 and the lecturers will be accompanying them.

Thanking you,

Yours Sincerely

A. Sai Padma

Dr. A Sai Padma,
HOD, Biochemistry.

Mail: saipadmabhavans@yahoo.co.in

Educational Trip to CFTRI

5th to 9th of Sept, 2017

The students of M.Sc Biochemistry III semester were taken on an educational trip to CFTRI, Mysore from 5th to 9th of Sept, 2017. On 7th Sept, 2017 the students visited the departments of protein chemistry and biochemistry and show case of CFTRI. Prof. Rajagopal Principal scientist and Dr. Ramprasad T R, scientist department of biochemistry spoke to the students regarding the future prospects in biochemistry and research activities of the organization. The students were also shown various instruments like HPLC, PCR. The students also visited the food analysis lab where they were explained about the techniques employed by CFTRI in food fortification. The students also visited the animal house facility.



52

17.08.2017

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

Respected Sir,

**Subject: Release of Rs.11000/- towards expenditure for educational trip-M.Sc
Biochemistry students-Reg.**

The Department of Biochemistry is organizing an educational trip to Mysore for M.Sc Biochemistry students from 6th to 9th September, 2017. Permission has been obtained from CSIR-Central Food Technological Research Institute, Mysuru as per the schedule given below:

Date of Visit : 7th Sep 2017 (Thursday)
Time : 10.00AM
Depts. to visit @ CFTRI : Showcase, DB and PCT
No. of Visitors : 25 Science graduates + faculties.

The students along with faculty have further planned to make a trip to Coorg and Bengaluru and return to Hyderabad.

In this context I request you to kindly release an amount of Rs.11000/- (22@Rs.500/-) to meet partial expenditure during the trip.

Thanking you,

Yours Sincerely



Dr.A.Sai Padma
Head, Dept. of Biochemistry,
BVC.

To
Principal
Bhavans Vivekananda College
of Science Humanities and Commerce
Sainikpuri, Secunderabad

Report-TRIP TO SRIHARIKOTA

Respected sir,

Department of Physics and Electronics of Bhavan's Vivekananda College, Sainikpuri has organized an **educational trip to Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota**, Nellore District, Andhra Pradesh from 9th Nov to 12th Nov 2017. This educational tour provided a great opportunity to students to learn various concepts and stages involved in launching of rockets. Many thanks to the managements of Bhavan's Vivekananda College and SHAR centre for giving this opportunity for the students.

The tour kicked off on 9th November 2017 at 6.00 am from the college by busses. A group of 104 students with four faculty members boarded three busses and headed to Nellore.

The students thoroughly enjoyed the long journey for about 24 hours. After a long and tiring journey, we arrived at Haritha Hotel, AP tourism, all the students checked into the rooms as allotted and relaxed to recover.

The following morning, at 5 am (10-11-2017) they checked into their allotted room, refreshed themselves and got ready by 7:30 to visit Satish Dhawan Space Center one of the best rocket launching centers. The eagerly awaited moment has arrived when we reached SDSC SHAR. We visited the following places **MCC Mission control centre, Static Test & Evaluation Complex (STEX), Telemetry Tracking & Control centre, First Launch Pad (FLP) and Second Launch Pad (SLP)**.

After a tiring day enriched with the knowledge involved in rocket science the students were taken back to hotel. The next morning of 11-11-2017 at about 9 am students were taken to local tour to visit Sriranganathaswamy temple, Jonnawada, and Mypadu beach. After a quick refresh and dinner at about 9 pm started our journey back to Hyderabad and reached the college next day (12-11-17) 7.30 am.

The trip was a great success proving to be highly educational filled with full of fun and entertainment. The tour to Sriharikota from 9th Nov to 12th Nov 2017 is completed safely and smoothly. The Exotic tours has provided good quality accommodation, neat and hygienic food as per the itinerary mentioned.

Thank you,

Yours sincerely,

Dr GSVRK CHOUDARY
Tour Coordinator



Trip to IIOR

Date: 04-12-17

53 students of BSc II and III year students were taken to ICAR- Indian Institute of Oil Seeds Research (IIOR), Rajendranagar on 30th Nov, 2017. They visited different research laboratories including Biotechnology, Biochemistry and Tissue culture also the Museum of the Institute.

The session started with the talk by Dr Alivelu, Senior Scientist, IIOR who gave a brief introduction about the research activities in the institute. The students were divided into three groups to visit respective labs and museum.

The museum had display of all the oil seeds grown by farmers of Telangana Region like Sesame, Sunflower, Safflower and Castor. The museum displayed even the hybrid lines developed by the institute, along with the genetically modified oil seed varieties that are still under trials.

Students were exposed to different research programs being undertaken at the Institute. In the biotechnology laboratory of the institute they saw thermo cycler; Gel Documentation systems, Sequencing machinery, cold rooms meant for carrying out protein and enzyme analysis.

The institute has a well equipped tissue culture lab for growing genetically modified oil seed crops and a micro environment for culturing Arobidopsis. In the Biochemistry division students saw different chromatographic columns like gas liquid chromatography and HPLC to name a few.

In the afternoon, the students visited the fields with various varieties of oil seeds. The visit was enriching and educative.



List of students for IIOR Trip

S. No	Roll No	Name
1.	107245916001	A Sai Pravallika
2.	003	B Mallesh
3.	004	B Manisha
4.	006	Deepika Parthasarathy
5.	008	Manikanta
6.	016	M Pujitha
7.	017	M Tulasi Sree
8.	018	P R Prashant
9.	020	P Raja Sekhar Reddy
10.	022	Rahul Andharia
11.	024	R Vandana
12.	026	Shaik Shoaib Akhtar
13.	030	G Sai Krishna
14.	031	G Roja
15.	032	Keerthi Jhansi
16.	033	Neelam Kumari
17.	034	Yamini
18.	037	P Sailaja
19.	046	Kuldeep Singh
20.	050	Y Sai Sree Yahaswee
21.	051	K Chandralekha
22.	107216573002	A Srikanth
23.	004	B Nithin
24.	006	Manideep
25.	005	B Kalyan Goud
26.	007	Ch Uday Kiran
27.	009	D Aishwarya Raj
28.	010	GV Kameshwari
29.	011	Prathyusha
30.	012	G Sowmyasri
31.	014	G Venkata Ramana Reddy
32.	018	KVL Sowjanya
33.	019	KSK Ruthvik
34.	021	M Ashish
35.	027	P Rishi
36.	029	S Nagarjuna
37.	030	Shazia
38.	034	Firoz Alam
39.	036	Naina Kumari
40.	045	Sukhdev Ghosh
41.	048	Poojitha karchalkar
42.	107247116014	K Himabindu

43.	015	Manju Mohan
44.	018	P Saikiran
45.	020	Priyanka Shaw
46.	022	Krishna Manasa
47.	028	Y Nikitha
48.	030	E Manisha
49.	032	K S Lalitha Nagamani
50.	034	Manisha Pandey
51.	040	Manusha
52.	049	Prabhuta Tiwari
53.	051	M Sai Pravallika

Pepsi co industry visit

20th December, 2017- The day and place was set after a sudden industrial visit that Bhavans Vivekananda Degree College had initiated for BBA 3rd year students, with the help of few students. The prior permissions and transportation arrangements were made. The start of the trip began at 9:30 from the college premises where 54 of us along with 2 teacher professors had collectively gathered for a 2 hour bus ride to Sangareddy district on the outskirts of Hyderabad, where the pepsi co plant was located.

Being the fun loving college going passing out batch, the ride was undoubtedly filled with students singing, dancing and capturing those moments. Around 11:40 we reached the plant site where we were guided by one of their on-site officer to take us to the processing unit. On reaching the unit, we were given safety equipment to wear and were briefed about the general safety procedures at pepsi co.

The site in-charge manager, told us about the division of work and how the processing is carried out to get the final bottles of soft drink that we finally consume. The processing unit is divided into 2 parts, in first one the plastic can bottles are made, which are then sent forward to be filled by the carbonated drinks, and it goes to next stage where they are capped, placed, packed, sealed and ready to go. He also said that in 1 min, 60 bottles are manufactured.

Completely managed and handled by technology and machines, fast moving conveyer belts, back and forth producing the drink that is relished by every age group, the complex processing seemed perfectly simple. Quality standards set, safety mechanism followed, targets set and over-looking human resources employed to see it all work smoothly, a sight that we saw for the first time.

After the over-look at the factory site, a mandatory group picture was clicked and we headed towards filling our empty stomach with dhaba food and an even more enthusiastic power of enjoyment was witnessed till we got back to the college.

A fruitful industrial visit is all that were our last words at the end of the day.



Visit to Vijaya Diagnostics

21st December, 2017

The B.Sc students were taken to Vijaya Diagnostics, Himayathnagar on 21-12-2017 to provide better understanding of their skill enhancement course (SEC) in “Medical Diagnostics”. There were 30 students from different streams of life sciences. They were taken to Biochemistry, Microbiology, Pathology, Cytology and Histopathology labs where they could understand the technical advances in diagnostics. They were made aware of how large number of different clinical parameters are analysed by complete automation with minimum human intervention and maximum accuracy. This visit has given the students high understanding of complete automation that occurs in medical diagnostics.





FIELD VISIT TO INDIAN IMMUNOLOGICALS

7-2-2018

The students of first and final year M.Sc Biochemistry with a total 31 in number were taken on a field visit to Indian Immunologicals, Gachibowli, Hyderabad, on 7th February, 2018.

Indian Immunologicals, a subsidiary of National Dairy Development Board, is an organization involved in the production of both human and animal vaccines. Dr. Surya Prasad, scientist at Indian Immunologicals briefed the students about role of organization in improving milk production by the cattle in the country as part of the “Operation Flood programme”. He explained students the wide range of vaccines like RAKSHA brand of vaccines for cattle and other livestock and ABHAYA brand of vaccines for humans, made by Indian Immunologicals. He also explained its contribution to society by providing vaccines at subsidized prices to farmers.

The students were shown different facilities available at the plant like cold storage facilities including the -80°C and 4°C , viral culture lab and fermenters. Students were made aware of significance of quality control and quality assurance measures need to be taken to ensure the quality of vaccines. The students have interacted with staff and got clarified of their doubts.

The students and staff found the visit informative and beneficial.



FIELD VISIT TO BIOCON Ltd

12-2-2018

The students of first and final year M.Sc Biochemistry were taken on a field visit to Biocon Ltd, Pashamylaram, Patancheru, Hyderabad, on 12thFeb, 2018. The 28 students who were attending were briefed about Good manufacturing practices (GMP) and Good laboratory practices (GLP) and various job opportunities available for life science students in various departments of an industry. Later they were shown analytical chemistry division and working principles of HPLC, GC, Polarimeter, Fourier transform spectroscopy, Coulometer, Particle size instrument, Muffle furnace, Ultra pressure liquid chromatography (UPLC). The staff explained patiently about all these instruments and students have interacted with them and found the visit very useful.



MASS COMMUNICATION DEPARTMENT

FIELD TRIP – EMRC at EFLU

S No	Field trip	Date	Venue	Speakers	Brief Details
1.	BA 3 Year 50 students with Sakshi Yadav, Lecturer in Mass Communication.	8/8/2017	Educational Multimedia Research Centre at EFL University-Hyderabad.	1.) Sumanth C. Paranj -Director EMRC,EFLU-Hyd. 2.)Dr.Nagamalika Dept. of Communication, EFLU. 3.) Ram Sudeer, Sound Engineer, EMRC,EFLU. 4.) G.S.V. Chalapathi, Senior Cameraman, EMRC, EFLU. 5.) Ramesh Desai	Television Production Studio, Sound/Recording Studio, Presentations and Lectures by the Director and the Academic Staff of EMRC kept the students occupied from 11 am to 4pm. Exchange of information and Personal Interaction with the pioneers of Multimedia during the Conference helped the students gain insight on Career Opportunities in the vast field Electronic Media.



DEPARTMENT OF ECONOMICS

Guest Lecture on GST

Department of Economics conducted a guest lecture on – “GST – An Overview” on 2nd February 2018 where 120 BA students attended. The lecture was presented by a proud Alumni of our college - Ms. Chaitali Dandu, a very successful Chartered Accountant, presently working as the finance officer in Hindustan Petroleum Corporation Ltd. The session conducted was indeed very insightful and interesting. Throughout the talk Ms. Chaitali gave an interesting overview of the concepts of GST. She began with the act and then proceeded to the dual model of GST. She gave a proper insight of all the various slabs of tax rates. The session also involved the criteria, procedure and execution of the taxable events. She introduced the new concept of E- way bill which is handy for business purposes and makes the process of goods tax easy for transportation. Overall, the event turned out to be very interesting and informative.



INDUSTRIAL VISIT TO POCHAMPALLY

An industrial visit to Pochampally Handloom Park, Pochampally was organised by the Faculty of BA for the students of BA, First year on 16th of December, 2017.

60 students were accompanied by two faculty members. The purpose of the visit was to interact with the Handloom Weavers in order to understand the making of handloom apparel and market scenario.

In the visit, the students were made knowledgeable about the process of weaving in order to observe and understand the practice. The students were divided into various groups to serve the purpose of interacting, interviewing and conducting activities like photography and filming. The technical head of the Pochampally Park, Mr. Sudheer Kumar conducted informative sessions throughout the weaving process. He explained the students about the procedure of designing, dying, threading and weaving of ikkat. He also asserted on the cultural importance of handloom.

Apart from the technical and practical aspects, the students also happened to learn about the workers' efforts, timings and lifestyle. They also appreciated their connection with this major part of Indian heritage.

It was indeed an informative, interesting and successful visit. We would like to convey our gratitude to our Principal, Coordinator, Faculty of BA and the operative and technical working unit of Pochampally Handloom Park.



DEPT. OF MASS COMMUNICATION

Guest Lecture on Media Ethics 18/08/2017

Speaker : Prof. K. Kanchan Malik – HoD Department of Communication – Hyderabad Central University.

Brief Details : Inculcate and refresh Media Ethics through curriculum formulation in collaboration with the US Consulate- Hyderabad. About 124 students attended the guest lecture.





SOCH Club Event – Mock Panel Discussion- Media Ethics

29/7/2017

A live, mock panel discussion raising the ethics of the Indian media was conducted by the 2 & 3 year B.A students. There were 87 students who were a part of this discussion.



Guest Lecture on Opportunities & Experiences in NewsMedia 22/7/2017

Speaker : Akash Kolluru, Reporter, CNN NEWS 18

Brief Details : Akash Kolluru addressed the 82 BA students regarding the CareerOpportunitis & Challenges in the Broadcast Media Industry



Department of Economics

Demonetization and Scope of Digitalization

Department of Economics had organized a guest lecture on „Demonetization and Scope of Digitalization“for the students of BA - I, II and III Years with a total of 133 on 21 July, 2017. The speaker of the session was Prof. A. Nakula Reddy, Chairman, BOS, Department of Economics, Osmania University, Hyderabad. In his lecture, Prof Nakula Reddy, explained about demonetization and its implementation in various countries. He spoke on the announcement of demonetization by the Indian government on 8th November 2016 and its immediate effects on the Indian economy. In the background of demonetization, he discussed the scope of digitalization in our economy andthe challenges facing for a smooth transition from a cash friendly economy to a cash less economy.





DEPT. OF MASS COMMUNICATION

Guest Lecture on Photography and Film making 15/07/2017

Speaker: Pooja Gupta – Founding Partner at EARTH CoLAB

Brief Details: Insights on Photography (Wildlife and Marine Photography) and Academic/Documentary film making. There was a participation of 141 students in the guest lecture.



V.O.I.C.E The Commerce Club has conducted its third event “**Best out of Waste**”. 48 teams from B.com1st, 2nd and 3rd years participated in this event, which consisted of 2 members per team. The participants were required to prepare anything useful from any waste material that is normally intended to be thrown away. The criteria for the judgment were: creativity, presentation & efficient use of materials. This main purpose of this event was to explore and encourage creativity in students and offer them a platform to showcase their skill.



Head Department of Commerce
(Dr. K. Sreelatha Reddy)

V.O.I.C.E

EVENT - 3

Date: 12th August, 2017

Time: 2:00PM

Venue: Room No. 11, 12, 15 & 16, Commerce Block

V.O.I.C.E The Commerce Club has conducted its third event “**Best out of Waste**”. 48 teams from B.com1st, 2nd and 3rd years participated in this event, which consisted of 2 members per team. Once again, the active participation was seen from the 1st year. This event was organized to explore and encourage creativity in students and offer them a platform to showcase their skill. The participants were required to prepare anything useful from any waste material that is normally intended to be thrown away. The criteria for the judgment were: creativity, presentation & efficient use of materials. The exhibits were also showcased on 15th of August, Tuesday. Principal Prof. Ashok sir, as well as the lecturers of all the departments witnessed the exhibits.

Winners:

1st Prize – Nafeez (2A2) and Jauharah (2A2)

2nd Prize – Jyothi Sencha (1A2) and Manju Choudhary (1C)

3rd Prize – Hameedunnissa Begum (2H2) and V.R. Harshini (2H2)

Special Appreciation – Rehana Sultana (3A1) and Joseph (3D)

Judges:

Mrs. Vinaya Chaturvedi

Mrs. T. Sudha Singh

Lecturer In-charge:

Mrs. D. Nidhisree

Mrs. R. Anuradha

Students' In-charge:

Zony (3A2)

Lalita (3A2)

Nethree (3H2)

Swetha (3H2)

Sharon (3A2)

Sachin (2A1)

Vinay (2B)

Head Department of Commerce
(Dr. K. Sreelatha Reddy)

INDUSTRIAL VISIT TO VAMAN TEXTPRINT PVT. LTD. 2017 – 18

Date: 22nd July 2017

Location: Ghatkesar

Department of commerce had initiated an industrial trip to Vaman Text print Pvt. Ltd. on 22nd July 2017 situated at Ghatkesar for all BCom Ist year students. 410 students from BCom 1A1, 1A2, 1B, 1C, 1D, 1H1 and 1H2 along with 9 members of staff visited the industry in batches.

Objectives of industrial visit is to provide students an insight regarding internal working of companies and also to provide exposure to the students regarding the functioning of an industry.

Vaaman Texprint Private Limited is a Private company incorporated on 13 February 2004. It is classified as Non-govt company and is registered at Registrar of Companies, Hyderabad.

Through this visit, we gained insight on how the unit functions, its operations, management and labour requirements.

Number of workers employed: Varies from shift to shift. In each shift there will an average of 200 workers doing a specified task assigned.

We also got to know the procedure of converting raw materials into finished textiles:

There is a huge process starting from receiving the raw material to use of chemicals for bleaching and dyeing etc.

1. The raw materials are collected and sent through rollers, the workers use plastic gloves as the chemical component used may burn their skin.
2. Once the raw material is passed through the rollers, soda acid and liquid bleach is added to the material based on the quantity of the raw material. Then Hydrogen Peroxide is used to neutralize the material.
3. After the bleaching process is over the workers can determine if the material is 100% cotton or polyester.
4. Once the material of the cloth is determined then the cloth is ready for dyeing (RFD process)
5. The cloth is now placed in the jet tank for dyeing.
6. The cloth is boiled to 180 degrees so that the dye doesn't fade from the material. The process of boiling is called casting.
7. The cloth washed and then put into the drying machine.
8. After drying is done, the cloth is taken to the colour kitchen. The colour kitchen is the place where dye is mixed to get the exact shade required.
9. Plastic flake is added to the material to give weight to the material.
10. The material is then passed through rollers of different designs and patterns, the cloth is steamed at 100 degrees and passed through drying machines and later through the folding machine.



It has been a great learning experience for us.

We thank Prof. Y. Ashok, Principal BVC and Dr. K. Sreelatha Reddy, Head Department of commerce for giving us this golden opportunity to learn many things. And we also thank Mrs. R. Anuradha, Mrs. Rachana Sharma, Mr. P.R. Venugopal and Mr. Md Kaleemullah for accompanying us to the Production unit and guiding us on site.