



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

2018-2019

*Submitted to*

**National Assessment and Accreditation Council**



# **Bhavan's Vivekananda College**

## **Of Science, Humanities and Commerce**

(Autonomous College – Affiliated to Osmania University) (Accredited with 'A' Grade by NAAC)

Sainikpuri, Secunderabad – 500094

Ph : +91-04-27111611, 27115878 Visit us at: [www.bhavansvc.org](http://www.bhavansvc.org)

### **A REPORT ON LANGUAGES DAY 2018**

We had conducted the languages day competitions for the year 2018-19 from the 27<sup>th</sup> of August till the 1<sup>st</sup> of September. It was indeed a week of creative and educative activities where there was enthusiastic participation from all the students of the college. It was a platform where students could showcase their talents and also nurture them. There were various events in English, Hindi, Telugu, Sanskrit and French. Competitions like Extempore, poetry recitation, creative writing and presentation of skits were conducted in English, Hindi and Telugu. Then we had the Slokas recitation, words in a minute and Tambola in Sanskrit, subsequently we had the French event 'Tour De France'.

Each event was conducted from 2:00pm onwards everyday during the week. Students enrolled and participated in huge numbers and the whole celebration was a grand success. It was satisfying and fulfilling for us as teachers to see the talent, creativity and knowledge that our students displayed. We are immensely proud of our students who make this institution rise to greatest heights.

A total of about 390 students participated in all the events. Out of them, 47 of them emerged as winners in the respective events they participated in. There are 25 first prize winners, 23 second prize winners and one special prize for the Mime.. It was an out and out enthusiastic participation from each and everybody who was a part of this enriching program.







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**Department of Languages**

**Report on English Skill Enhancement Activities (2018-19)**

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.



Speaking Skills



Listening Skills

Speaking Skills



Reading Skills



Presentation Skills

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ENGLISH ASSIGNMENT

Sem IV – 2018-19

Chronological CV

By

Supriya Tandra

Class: B.Com 1A1



ENGLISH ASSIGNMENT 20...

CV writing









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

REPORT ON 5<sup>TH</sup> INTERNATIONAL DAY FOR YOGA PRACTICE SESSION 13- JUNE  
TO 20<sup>TH</sup> JUNE, 2019

NAME OF THE EVENT : YOGA PRACTICE SESSION  
DATE(S) : 13<sup>TH</sup> TO 20<sup>TH</sup> June 2019  
VENUE : Vivek Bharathi, BVC  
IN COLLABORATION WITH : PHYSICAL EDUCATION DEPARTMENT,  
BVC.  
PARTICIPANTS : 120 NCC CADETS (80 SDS 20 SWS)  
OTHERS 20 BOYS  
TRAINERS : DR.Y.SURESH







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## Free Dental Check-up

28<sup>th</sup> July, 2018

The Department of Biochemistry and the NSS unit of Bhavan's Vivekananda College, Sainikpuri, organized a free dental check-up for staff and students of the college on 28<sup>th</sup> July, 2018. This camp was organized in the college in collaboration with the Department of Conservative Dentistry & Endodontics and Department of Public Health, Army College of Dental Sciences. There were 12 doctors and 11 interns who screened staff and students' oral health. The camp received a huge response with nearly 420 students availing this free dental check-up. Seven students from UG Biochemistry final year actively participated in organizing the camp.



## Health Camp

14<sup>th</sup> and 16<sup>th</sup> of August, 2018

A Health camp was conducted by the Department of Biochemistry on 14<sup>th</sup> and 16<sup>th</sup> of August, 2018 for the staff and students of Bhavan's Vivekananda College. The camp was organized in association with Vimta labs. As a part of the camp various blood parameters like glucose, lipid profile, liver profile, kidney profile, complete blood count, thyroid profile, vitamin D and vitamin B12, were investigated. Complete health checkup panel, Master health checkup panel and Extended health checkup panel were included in the list of tests done apart from individual tests. About 39 staff members and 73 students got their tests done for various parameters. About 242 students got their blood group tested. There was an active involvement of students of under graduate and post graduate students in conducting the Health camp activities.

These health camps are successful in helping the staff and students to monitor their health status periodically and make necessary corrections in terms of diet or clinical help from a doctor. The department was appreciated by staff and students for the initiative taken and continuing the activity which has become useful at their convenience.







## Health Camp held on 14<sup>th</sup> & 16<sup>th</sup> August, 2018

### List of students participated

S.No	Roll No	Name of the student	Class
1	107217514001	Niharika Sharma	M.Sc Biochemistry 2 <sup>nd</sup> year
2	107217514002	PallerlaOmkar	M.Sc Biochemistry 2 <sup>nd</sup> year
3	107217514003	KottakapuHaripriya	M.Sc Biochemistry 2 <sup>nd</sup> year
4	107217514004	ChoutiHimanta	M.Sc Biochemistry 2 <sup>nd</sup> year
5	107217514006	A. Anusha	M.Sc Biochemistry 2 <sup>nd</sup> year
6	107217514007	I.Honey	M.Sc Biochemistry 2 <sup>nd</sup> year
7	107217514008	NomulaAkhilaKumari	M.Sc Biochemistry 2 <sup>nd</sup> year
8	107217514009	G. Swarupa	M.Sc Biochemistry 2 <sup>nd</sup> year
9	107217514010	JuttuGunapriya	M.Sc Biochemistry 2 <sup>nd</sup> year
10	107217514011	ChallalaMounica	M.Sc Biochemistry 2 <sup>nd</sup> year
11	107217514012	AddelliMounika	M.Sc Biochemistry 2 <sup>nd</sup> year
12	107217514014	MadhikuntaSravani	M.Sc Biochemistry 2 <sup>nd</sup> year
13	107217514015	KottamGeetha Lakshmi	M.Sc Biochemistry 2 <sup>nd</sup> year
14	107217514016	SnigdhaMunipalle	M.Sc Biochemistry 2 <sup>nd</sup> year
15	107217514017	Priyanka Budarayavalasa	M.Sc Biochemistry 2 <sup>nd</sup> year
16	107217514018	Nikita Sharma	M.Sc Biochemistry 2 <sup>nd</sup> year
17	107217514019	AishwaryaSriram	M.Sc Biochemistry 2 <sup>nd</sup> year
18	107217514020	Priyanka	M.Sc Biochemistry 2 <sup>nd</sup> year
19	107217514021	JadhavShravani	M.Sc Biochemistry 2 <sup>nd</sup> year
20	47116003	Harshini	B.ScMBiC 3 <sup>rd</sup> year
21	47116006	Deepthi	B.ScMBiC 3 <sup>rd</sup> year
22	47116009	Shireesha	B.ScMBiC 3 <sup>rd</sup> year
23	47116019	Krishna Sai	B.ScMBiC 3 <sup>rd</sup> year
24	47116036	Yashaswini	B.ScMBiC 3 <sup>rd</sup> year

# National Conference on Self Reliance in Defense Manufacturing 2.0

Report by Delegates from BhartiyaVidyaBhavan's Vivekananda College, Sainikpuri



Shukracharya in his Shukraneeti says, weakness invites aggression. If we are strong, we are secure. Self-reliance in Defence manufacturing is required to attain the dream of a Saksham, Surakshit and Shaktishali Bharat.

On 19<sup>th</sup> and 20<sup>th</sup> January 2019, National conference on Self Reliance in Defence Manufacturing 2.0 was held at Hyderabad, organized by Forum for Integrated National Security and Indigenous Defence Entrepreneurs Association (IDEA) supported by DRDO, Bharat Electronics, BrahMos, Goa Shipyard limited and others.



## Inauguration

The conference was inaugurated with *Deepak Prajwalan* and welcome address by Conference Convenor Maj Gen A B Gorthi (Retd), Lt Gen Dr. D B Shekatkar (Retd); special addressing by Dr. G Satheesh Reddy(Secretary,



Department of Defence R&D and chairman, DRDO). Mr R N Ravi (Deputy NSA, Chairman of the Joint Intelligence Committee) was the chief guest.

Dr G Satheesh Reddy talked about coming up of 4<sup>th</sup> and 5<sup>th</sup> warfare domain i.e., space warfare and cyber warfare due to advancement in technology. There is need to move from manned to unmanned, from unmanned to autonomous system equipped with weapons using Artificial Intelligence. He emphasized on industry to complement DRDO. DRDO need not to produce what industry can produce efficiently and carry research on optimum technology suitable to India's defence requirement. He talked about programs like Dare to Dream promoted by DRDO which appreciate the new ideas and funds it for complete implementation once satisfied with the success after testing. Mr RN Ravi told about concluding of a proposed accord with Naga Armed groups soon. Talking about the Make in India initiative, he said whole thrust of this initiative is a simple translation of Shukraneeti- Be Strong. Working towards technology innovation for national security, the country must expand to areas beyond the conventional and catch up fast in space and cyber domain.

### **Strategic Overview**

Speakers:- Lt Gen SS Hasabnis (Deputy CoAS- P&S)

Lt. Gen DB Shekatkar(Retd)

The dignitaries briefed about the unique geographical features and challenging terrain which needs suitable military equipments to tackle such areas for defence forces. Indians exports majority of the components which is used by foreign land to further develop weapon system; the same fully developed equipment we import with their manufacturing tag. The mindsets now have been shifting from procurement to production. The innovation, R&D in warfare equipments, robotics, cyber all integrated indigenous efforts will serve us to strengthen national security and help to replace relying on traditional methods like of using mules at hilly terrain.

### **Cyber Warfare**

Speakers: DrGulshan Rai (Special secretary and National Cyber Security Coordinator(PMO))

Lt Gen V G Khandare(Retd),

Dr Amit Sharma(Additional Director, DRDO).

The respected speakers enlightened on how one innovation brings one vulnerability and disruption. We are in the era of continuous opportunity and vulnerability. Talking about a US report on China at the end of year 2018, Gen Khandari(Retd) told cyber warfare forms the top four competencies of China. Cyber brings comfort and conflict at the same time. Majority of 1.3 lakhs India possessing smartphones and internet are cyber warrior. Country goes to war, not military. Here the fight may not be at border but in virtual domain where everything is targeted. Mr Amit Sharma explained the technical aspect and intensity of effect of cyber weapons that targets survivability and confidentiality. The delivery vehicles and payloads of these cyber weapons, strategic Cyber Espionage which can affect transportation, oil, water, electric power, telecom, etc; how fund raising is done digitally using crypto currencies to finance and support terror activities. Steps are taken to control cyber threats. RBI direction to localize the payment related data is one of the examples. However there are many challenges in this area for largest democratic country- India due to conflicts between privacy and security.

### **Artificial Intelligence and Big Data Analytics**

Speakers:- Lt Gen (Dr) Ravindra Singh Panwar, AVSM, SM, VSM, (Retd)

Mr.SubrataRakshit, Sc H, Associate Director, CAIR.

Lt Gen (Dr) Ravindra Singh has explained how artificial Intelligence can be applied in military operations. It can be applied in areas such as

1. Autonomous Robotic System.
2. Cyber Space operations.
3. Analytics and decision support.

He emphasized that defence being the primary stakeholder, the armed forces should be proactive and there must be continuous improvement in this field of Artificial Intelligence. There is a definite need for understanding the emerging technologies and its impact on warfare. Role of armed forces is beyond just the implementation of the technology i.e, it also must be the forecasters of the futuristic technology. Artificial Intelligence and Big Data Analytics has a symbiotic relationship which can be applied in decision support, logistics and surveillance.

Mr.SubrataRakshit has spoken about the role played by Artificial Intelligence which is to “replace, replicate and reinforce”. He has also put forth a point about instead of spending time in perfecting the system/product, it can be spent in production and later upgrade it as per the requirements of the stakeholders (Defence-Armed forces).

### **Autonomous systems**

Speakers:-Dr.Parlikar, Director R&DE, Pune.

Mr. Sukharan Singh, CMD, TATA advanced systems

Dr.Manisha J Nene, Department of CSE, DIAT

The distinguished speakers have mentioned about how world is entering an entirely new era of warfare which will be dominated by unmanned and autonomous systems. These systems will replace existing unmanned air, sea and ground vehicles in all physical operating domains and across the full range of military operations. Such a regime has potential to change the concept of defence strategy. It will trigger the debate regarding operations concepts like, the relationship between offensive and defensive military strategies and the ethical and moral implications of deploying such systems. They have also explained the autonomous systems for military role and applications such as

- ) Autonomous systems being increasingly used for military applications to perform a variety of roles and functions which are difficult, dangerous, dreary and dirty of nature.
- ) In addition the autonomous systems are also being employed for tasks which are of mission critical, combat critical, time critical and safety critical nature.
- ) Examples of Autonomous Unmanned Vehicle (AUV) for military operations include
  - o Robotic Systems
  - o Unmanned Ground Vehicles (UGV)
  - o Unmanned Unwater Vehicle (UUV)
  - o Unmanned Aerial Vehicle (UAV)
  - o Unmanned Water Surface Vehicle
  - o Unmanned Munitions
  - o Unmanned Ground Sensors

The talk was conducted by discussing about how the UAS (Unmanned Autonomous Systems) will act as force multiplier along with the human soldiers and will play a role of game changer in the battlefield along with DRDO playing an important role in developing and inducting UAS to armed forces.

### **Connecting the academics for Innovations**

Speakers:-Dr.Sudhir Mishra, DS & Director General, CEO, MD, BrahMos Aerospace  
Mr.AbhijaatVichare

Dr.Sudhir Mishra spoke about the accomplishments of Brahmas Aerospace which is supported by DRDO as a counterpart in the joint venture with Russian Federation's NPO Mashinostroyeniya with India being the world's second most populous country and 65% of its population is under age of 35. India has got a lot of latent talent which is yet to be put into correct use. There is a lot of brain drain in the country wherein scientists of Indian origin are contributing significantly in the foreign counterparts defence technology innovations and development. There is a dire need to retain our talent and use their innovativeness and expertise in the country's defence technology advancement. Instead of just concentrating on the theoretical aspect of the academic syllabus, there should be practical and hand on experience and experiments, models built by students which will make them industry ready and understand the workings of the defence manufacturing sector and excel in it.

### **Strategic Overview on Participation of Private Industries in Defence Manufacturing**

Speakers: Advocate Bal Desai (secretary general – FINS)  
Lt Gen Vinod Bhatia (Director, Center for Joint Warfare Studies)

The intellectuals stressed on how India has become the largest defence importer in the world in comparison with China who in 1960s was top defence importer but now has become self reliant and top 5 Defence exporters. However the things since last few years have changed towards looking inward to meet defence needs. Policies and programs like Gyan Shakti, setting up of Defence Planning Body, Defence Design Bureau, etc are in place, procedure is what we need to carry out. Involvement of private sector right from micro business unit to giant production unit is essential to faster the pace towards self reliance and attain the dream to be Super Power nation.

### **Role of hand holding to develop industry as partner**

Speakers: Mr M.V. Gowthama (CMD, BEL)  
Mr Ashley Rasquinha (Jt MD, Electropneumatics & Hydraulics (India) Pvt Ltd)  
Mr M.V. Reddy (Director of marketing and operations, Astra Microwave Products Ltd)

Mr. MV Gowthama presented report on how Bharat Electronics Limited so far and continuously contributing to build defence electronic equipments. He highlighted their strategies of Collaborative R&D, Engagements with startups, iDEX , procurement plans and implementations under Make in India initiative, opening of test facilities to private entities have been playing major role for integrated efforts towards self reliance. Mr Ashley Rasquinha highlighted the role of small suppliers of system components as development partner who help in strategic partnership at top level and have synergy between private entities, PSUs and DRDO. Mr M V Reddy stressed on importance of MSMEs as they constitute 90% of business establishment, 70% of labour force and 50% of out of India. He talked about the challenges face by the MSMEs like gestation time for procurement, cost of initial development of technology, financial challenge, uneven business flows, etc. The pending issues



at policy level includes, strategic partnership, thrust of self reliance, setting up of Defence Export Organisation, etc. The Small scale industry has immense capabilities to contribute in overall output in defence equipment manufacturing once the bottlenecks are removed and their true potential is realized

### **Policy Reforms and Implementation**

Speakers: Mr Z.V.S. Prasad ( IDAS principal IFA NAVY)  
Mr Sartaj Singh (Director (defence), solar group)  
Mr Nitin A Gokhale

The esteemed speakers spoke about the various points in the policies pertaining to defence procurement and production that need to be addressed in order to involve private industries as partners in defence manufacturing; the Qualitative Requirements formulation with objective of indigenization, QRs to be reviewed to promote indigenous alternatives without compromising the operational requirements, review of quality assurance to promote indigenization, etc. Mr Nitin Gokhale briefed of the changes taken place since 2015 like amendments in Defence Procurement Policy, introduction of category of IDDM, setting time limits to negotiation process and integrated project management team. The main challenge is lack of trust among various stakeholder like MoD, SHQs, DRDO and academia, private sectors, PSUs. There is need of uniformity in payment to SSEs, time bound promoters and scarcity of success stories of private entities involved in defence manufacturing and support system, All the DPSUs and OFs must be brought under one professional management; DPSUs must be groomed as quality defence manufacturing and not profit making commercial agencies; High value contracts must have co production agreement- are few of the recommendations made.

### **Promoting Quality Defence Production**

Speakers: Lt Gen Ravindra Thodge (Retd)( Former MGO)  
Dr. MRM Babu (Scientist, director, ASL)  
Mr. Srihari Murthy (CEO, Stigmergy Solutions)

The intellectuals emphasized on two important points viz, changing mindsets and strong commitments. They quoted instance of how the compromise on quality aspects specially in space and military ammunations and equipments have caused huge loss to life and property without any charge of accountability. They stressed on total quality management and quality assurance, the principles given by quality Gurus like W Edward Deming, Dr Genichi Taguchi, Dr Joseph Juran, 6 Sigma concept, etc and application of the same can help in continuous quality improvement. The time utilization by managers under two different efficiencies:

) Management of time( UNCERTAINTY):

Spend 65% time in Firefighting, 5% time in improvement, and 35% time in regular activities

) Management of time(CERTAINTY)

Spend 60% time in improvement, 15% time in firefighting, 25% time in regular activities

Quality is one of the reason of defence imports. Quality assurance by Indian industries can overcome the challenge of qualitative equipment production.

### **Validictory by Gen Bipin Rawat (CoAS)**

The honorable Chief of Army Staff stressed on the need of rapid growth in non-combat warfare (cyber warfare), AI role in developing battle field management system, formation of Defence Design Bureau and

opening up of defence testing laboratories to private entities, all integrated to assist in attaining self reliance in defence manufacturing. GenralRawat mentioned about the Uttar Pradesh and Tamil Nadu becoming hub for defence manufacturing and industry to take advantage of such ecosystems created. The India Defence forces including the serving personnels are ready to work with Academia, researchers, private and public industries in mission to make India self-reliance.



**Delegates details:**

- 1) APSW1310638 JUO Kumari Puja (MBA II)  
(DG NCC Commendation Card 2015, DDG AP&T Dte Commendation Card 2014)
- 2) APSW10123782 CdtSusmithaKollu (MBA II)
- 3) TS16SWA100925 JUO V Akhila (BBA I)
- 4) TS18SDA100130 CdtSarveshInnani (BBA I)
- 5) P Rangaswarup Reddy (MBA I)
- 6) HemaVijaya Lakshmi Devi B (BBA II)
- 7) Bhargav M Sc (MECs)
- 8) Mrs Santo Rohit Rao, Faculty in Mathematics
- 9) Mrs B Niraimathi, Head, Dept of Physics and Electronics

## **Summer Internship – Genetic Counseling**

**April/May 2018**

A summer training program was conducted by the Department of Genetics & Biotechnology at the Institute of Genetics & Hospital for Genetic Diseases, Begumpet, Osmania University from 21<sup>st</sup> April to 19<sup>th</sup> May, 2018. A total of 12 students enrolled for the course (Second year students from BtGC and MiGC). The students had an exposure to the Molecular Biology techniques like PCR, Gel Documentation, FISH, Ultrasonography etc. The Faculty and Research Scholars delivered lectures on various aspects of Genetic counseling, Genetic diseases, Prenatal diagnostic methods, molecular markers etc.

Apart from this students had an interaction with the patients suffering from various genetic disorders at the Hospital. This helped them to analyze the symptoms of the disease and the subsequent treatment in terms of management of the disease. Students had an interaction with the research scholars regarding the future prospects of the internship programme as well as career opportunities in the field of life sciences.

They participated in one day seminar on PLASTIC POLLUTION AND ITS EFFECT ON HUMAN HEALTH held on 5<sup>th</sup> June, 2018 on the occasion of World Environment Day. They bagged the third prize for the event: Model –making entitled Waste and Train Management.

The students found the training programme very informative, helpful and a good exposure to the hands on Karyotyping, Biochemical assays, application of molecular markers in Genetic diseases and interpretation of the Ultrasonograph etc.







List of students Enrolled for Training Program at IOG- 2018

1	45916001	A Sai Pravalika	MiGC II year
2	45916016	M S Pujitha	MiGC II year
3	45916022	Rahul Andharia	MiGC II year
4	45916035	P V N S Mounika	MiGC II year
5	45916037	P Sailaja	MiGC II year
6	45916040	Sharon Mariam Abraham	MiGC II year
7	45916045	J Sujitha	MiGC II year
8	45916050	Y S S Yashaswee	MiGC II year
9	57316007	C Uday Kiran	BtGC II Year
10	57316036	Naina Kumari	BtGC II Year
11	57316041	R prashanth Sai	BtGC II Year
12	47116030	Nikhitha	MiGC II year

## **Report on workshop conducted by the Dept. of Genetics & Biotechnology in collaboration with Make Intern and E-Cell, IIT Kharagpur on 15<sup>th</sup> & 16<sup>th</sup> February 2019**

A two-day workshop was conducted by the Department of Genetics and Biotechnology in collaboration with Make Intern and E-Cell, IIT Kharagpur on 15<sup>th</sup> & 16<sup>th</sup> February 2019. The workshop included two topics: 1. Advance Techniques in Molecular Biology, 2. Micro-array Data Analysis. The resource persons were: Dr. Hema Mohan for Advance Techniques in Molecular Biology and Dr. C N Prashantha (Entrepreneur-Scientific Biominds) for Micro-Array data Analysis.

### **Day 1:**

#### **Advance Techniques in Molecular Biology**

Dr Hema Mohan gave a presentation on Advance techniques in Molecular Biology to acquaint students with theoretical background and refresh their basic concepts. She also conducted a test to evaluate the students' understanding of the principles involved in various Molecular Biology techniques.

The students learned the technique of DNA extraction from *E. coli* using Proteinase K enzyme (Salting out method). This was followed by casting agarose gel for electrophoresis which would be carried out the next day.

#### **Microarray data Analysis**

Day 1 of the workshop involved the students being briefed on the need for Microarray data analysis and its applications in studying gene expression and clinical studies. Participants of the workshop were engaged in an interactive system based tutorial on wet lab procedures involved in preparing a Microarray plate and collecting data from it. They were given an introduction to the different types of Microarrays available. Then they were guided through a practical involving an R Language based Affymetry type of Microarray for samples from AIDS patients. The students learned the collection, reprocessing, clustering of raw data, and checking for Quality Control.

## **Day 2:**

### **Advance Techniques in Molecular Biology**

The Resource Person, Dr. Hema Mohan showed the preparation of reaction mix for Polymerase Chain Reaction (PCR) and demonstrated the working of the PCR Thermocycler to the participants. After lunch, the participants were trained to extract DNA from *E. coli* using the Phenol-Chloroform method. The isolated DNA samples and the PCR amplified products were subjected to Agarose Gel electrophoresis and viewed under UV Transilluminator.

### **Microarray data Analysis**

Day 2 of the workshop began with completing the code to generate and tabulate the various genes expressed and the pathways they followed.

Further, the students were introduced to online databases such as ToppFun Database, Gorilla Database and David Functional Annotation Database which they used to analyze the genes associated with disease conditions. Genes that were up-regulated and down-regulated in cells were identified. The pathways of these genes and their contribution to disease progression were identified and heat maps were constructed. Finally, a code for network relations between different genes was generated and executed.

The two-day workshop concluded with a valedictory function that included distribution of certificates to all participants by the Head, Department of Genetics and Biotechnology. Five meritorious students from each topic were selected by the Resource Persons to compete in the National Level Competition for Bio-Science Students which will be conducted by the E-Cell of IIT Kharagpur.

The participants interacted actively with the resource persons about research and career opportunities in the field of Biological Sciences. They participated with great enthusiasm and had a very fruitful experience at the two-day workshop.

A total number of 108 students participated of which 71 were for advanced techniques for molecular biology and 37 for micro array data analysis

1. 81 students from Bhavans Vivekananda College of Science, Humanities and Commerce, Sainikpuri.
2. 16 students from Shadan Degree College for Women, Khairatabad.
3. 5 students from St. Pious X Degree and PG College, Nacharam.
4. 5 students from CMR College, Medchal.
5. 1 student from BMR Degree College, Siddipet.









<b>Advanced Techniques in Molecular Biology- Dr Hema Mohan</b>				
<b>1</b>	<b>C S HARSHAVARDHINI</b>	<b>BtGC</b>	<b>II</b>	<b>BVC</b>
<b>2</b>	<b>S. AMBIKA</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>3</b>	<b>ANKITA DEY</b>	<b>MiBiC</b>	<b>III</b>	<b>BVC</b>
<b>4</b>	<b>VARSHA</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>5</b>	<b>KOMAL</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>6</b>	<b>S. AISHWARYA</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>7</b>	<b>NAZIA</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>8</b>	<b>IPSHA</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>9</b>	<b>VARSHINIE</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>
<b>10</b>	<b>V. VAISHNAVI</b>	<b>MiGC</b>	<b>I</b>	<b>BVC</b>

11	B. APOORVA	MiGC	I	BVC
12	SHANMUKHI SPOORTHI	MiGC	I	BVC
13	MEGHA	MiGC	I	BVC
14	AISHWARYA B	MiGC	I	BVC
15	GAYATRI	MiGC	I	BVC
16	RISA	MiGC	II	BVC
17	ANSATA	MBiC	III	BVC
18	PRIYANKA KUMARI	BtGC	I	BVC
19	ASHARANI PATRO	BtGC	I	BVC
20	SHRIVIDYA	BtGC	I	BVC
21	VILASINI	MiGC	I	BVC
22	HARSHITH MISHRA	MiBiC	I	BVC
23	YELLURI HARSHITHA	MiGC	I	BVC
24	NAMRATHA	MiGC	I	BVC
25	MONICA	BtGC	II	BVC
26	N GAYATRI SADRE	BtGC	II	BVC
27	PRAJWALA	BtGC	II	BVC
28	SHWETHA YADAV	BtGC	II	BVC
29	SNEHA DOMINIC XAVIER	BtGC	II	BVC
30	SWATHI	MiGC	I	BVC
31	HARIKA	MiGC	I	BVC
32	SHRAVYA	BtGC	I	BVC
33	K KARTHIKEYA	MiGC	I	BVC

34	SRUTHI	BtGC	II	BVC
35	ANJANI	BtGC	II	BVC
36	SOFIA BEGUM			Shadan
37	ARJUMAND AFREEN			Shadan
38	MYMUNA FATHMA			Shadan
39	HUSNA WAJAHATH			Shadan
40	MANAL AJAZ			Shadan
41	MARIUM KHAN			Shadan
42	FATIMA RASHEED			Shadan
43	SALEHA BUTUL			Shadan
44	AISHWARYA DUBEY			Shadan
45	HARNI DUBEY			Shadan
46	LAXMI DUBEY			Shadan
47	CH SWAPNA			Shadan
48	FATHIMA NORIEEN			Shadan
49	NAINA	BtGC	III	BVC
50	CHAITANYA	MGC	I	BVC
51	G SUSHMA	MGC	II	BVC
52	SUBHANKAR MADUKAR	MGC	II	BVC
53	SURAJ KUMAR	MGC	II	BVC
54	QUDARATULLAH	BtGC	II	BVC
55	A MANIDEEP	BtGC	I	BVC
56	K BHAVANA	MGC	II	BVC



57	PRANAY KUMAR	MGC	II	BVC
58	BHAVAN GAT	BtGC	II	BVC
59	DEEPIKA PARATHASARATHY	MGC	III	BVC
60	RAHUL ANDHARIA	MGC	III	BVC
61	ASHNAH	MBiC	I	BVC
62	N BHAVANI	MBiC	I	BVC
63	I SWATHI REDDY			St. Pious X
64	ANNAPURNA			St. Pious X
65	LAVNYA			CMR
66	APARNA			CMR
67	ALEKHYA			CMR
68	ANUSHA			CMR
69	SNEHA			CMR
70	ANGELINA	MGC	II	BVC
71	SHRAVANI	BtGC	II	BVC

<b>Microarray Data Analysis- Dr Prashantha CN</b>			
<b>SNo</b>	<b>Student Name</b>	<b>Class</b>	<b>College</b>
1	A SAI PRAVALIKA	MGC/III	BVC
2	B MANISHA	MGC/III	BVC
3	G SAI KRISHNA	MGC/III	BVC
4	M YAMINI	MGC/III	BVC
5	RAHUL PRADHAN	MGC/III	BVC

6	SHARON MARIAN ABHRAM	MGC/III	BVC
7	Y SHIVANI	MGC/III	BVC
8	Y S YASHASWEE	MGC/III	BVC
9	SITI FATURROHMAH	MGC/III	BVC
10	A SITA	BTGC/III	BVC
11	B NITHIN	BTGC/III	BVC
12	B KALYAN	BTGC/III	BVC
13	B MANIDEEP	BTGC/III	BVC
14	CH RUSHIKESH	BTGC/III	BVC
15	D SAI PRATYUSHA	BTGC/III	BVC
16	G KAMESHWARI	BTGC/III	BVC
17	SOWMYA SRI	BTGC/III	BVC
18	RUTHVIK	BTGC/III	BVC
19	M ASHISH	BTGC/III	BVC
20	SAI TEJA	BTGC/III	BVC
21	S NAGARJUNA	BTGC/III	BVC
22	SHAZIA	BTGC/III	BVC
23	T SUMANTH	BTGC/III	BVC
24	P VENKAT SAI	BTGC/III	BVC
25	R PRASANTH SAI	BTGC/III	BVC
26	LAVANYA SRIKANTH	BTGC/III	BVC
27	ATHREYA	MSC/I	BVC
28	SUMAIYA HASNAIN		SHADAN

<b>29</b>	<b>RAEDA ALI</b>		<b>SHADAN</b>
<b>30</b>	<b>HAJIRA FATIMA</b>		<b>SHADAN</b>
<b>31</b>	<b>G S SHARANMAI</b>	<b>PG</b>	<b>ST PIOUS X</b>
<b>32</b>	<b>K G RAMYA</b>	<b>PG</b>	<b>ST PIOUS X</b>
<b>33</b>	<b>AVANTHIKA SARODE</b>	<b>PG</b>	<b>ST PIOUS X</b>
<b>34</b>	<b>SRI LEKHA</b>	<b>MGC/III</b>	<b>BVC</b>
<b>35</b>	<b>SUMA KAKKERA</b>	<b>MGC/III</b>	<b>BVC</b>
<b>36</b>	<b>SUDEEKSHA REDDY</b>		<b>BMR</b>
<b>37</b>	<b>K.JHANSI</b>	<b>MGC/III</b>	<b>BVC</b>

# **Report on “Computer Networking and Protocols”**

## **Value Added Course to M.Sc(CS) III Semester Students**

With the intention to provide additional knowledge and placement opportunity to M.Sc.(CS) final year students, the department of computer science planned to introduce a special course in “Networking” training program. In this connection, the department identified an industrialist **Mr. PUDUCHERY VENU DHANRAJ** gave professional training in computer networking (Wired/Wireless networking) to our M.Sc.(CS) students in the following schedule.

**Value added Course Name :** “Computer Networking and Protocols” (Wired/Wireless networking)

**Instructor Name :** **Mr. PUDUCHERY VENU DHANRAJ**

**Working in the organization:** **Hawlett Packard Enterprise Company**

**Field of experience :** **Networking**

**Experience period:** **15 Years**

**Course duration :** 2 Months (60 Hrs. Including practicals)

**Course commencement date :** 2<sup>nd</sup> July, 2018.

**Duration of Training :** 2 Months

The Students were trained in both Wired/Wireless networking issues and had confidence to handle any type of network issues. We wish the student all the very best for their future endeavours.

**(Mr. N. Bhaskar)**

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

**(Mrs. KVB Saraswathi)**

HOD, Dept. of Computer Science



# **Bhavan's Vivekananda College**


## **Department of Computer Science**

### **A Report on Value-Added Course-2018-19**

The department of computer science has conducted value-added course in the following area in the month of July 2018:

#### **➤ ARDUINO PROGRAMMING**

**ARDUINO PROGRAMMING** was handled by Mrs. M.Amitha, Lecturer in department in computer science. This course duration was for **30 days**. In this, contents like Arduino Programming basics, Programming to activate sensors, etc, was covered. Total numbers of students registered were **42** and they were from B.Sc(Electronics) Physical Sciences III Semester.

  
**Mr. G Mahesh Kumar,**  
**Assistant Professor,**  
**Value-Added Course Coordinator,**  
**Department of Computer Science.**  
**BVC.**



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## Institute of Genetics, Begumpet

### Value Added Course

The students of final year M.Sc Biochemistry attended a Value Added Course from 17<sup>th</sup> to 20<sup>th</sup> of September, 2018 at Institute of Genetics, Begumpet, Hyderabad. Students had the opportunity to learn about TIFA scanning for identifying any genetic abnormalities in the foetus. They were also shown how HPLC is used for the detection of thalassemias. They had hands-on-experience in performing ELISA and Comet assay (single - cell gel electrophoresis). Students were given exposure on cytogenetics aspect of karyotyping on chromosomal abnormalities of various genetic syndromes. They were explained in detail about Genetic counselling and its importance for individuals and families who are at risk of genetic defects.

Overall, the students had a good experience in learning different experiments related to genetic disorders.





**Bhavan's Vivekananda College**  
**of Science, Humanities & Commerce**  
**Sainikpuri, Secunderabad - 500094**  
**Autonomous College - Affiliated to Osmania University**

List of M.Sc Biochemistry students attending value added course from 17<sup>th</sup> to 20<sup>th</sup> September, 2018  
at Institute of Genetics, OU, Begumpet, Hyderabad

S.No	Name
1.	NIHARIKA SHARMA
2.	PALLERLA OMKAR
3.	KOTTAKAPU HARIPRIYA
4.	CHOUTI HIMANTHA
5.	A ANUSHA
6.	INAPARTHY HONEY
7.	G SWARUPA
8.	JUTTU GUNA PRIYA
9.	CHALLALA MOUNICA
10.	ADDELLI MOUNIKA
11.	MADHIKUNTA SRAVANI
12.	KOTTAM GEETHA LAKSHMI
13.	MUNIPALLE SNIGDHA
14.	PRIYANKA B
15.	NIKITA SHARMA
16.	SRIRAM AISHWARYA
17.	PRIYANKA
18.	JADAV SHRAVANI
19.	R. MOUNICA

*L. V. Reddy*

Head, Dept. of Bio-Chemistry  
Bhavan's Vivekananda College  
Sainikpuri, Secunderabad-500094



## Guest lecture by Mr.Nanda Kishore on “Organic Farming”

The Department of Chemistry organized a guest lecture by Mr.Nanda Kishore an alumni (2003) on Organic farming on 13/7/2018 .This session was conducted as part of the Generic Elective- Organic farming offered by the Department of Chemistry .35 students participated in the lecture.Mr.Nanda Kishore gave an insight into the various aspects of Organic farming .He mentioned the differences between conventional and organic farming. He stressed on the benefits of organic foods and how he developed his own farm in the outskirts of Hyderabad.

It was a very enriching and informative session.





## Guest lecture by Dr.Amitava Das

28<sup>th</sup> August, 2018

The Department of Biochemistry had organised a guest lecture by Dr.Amitava Das, Senior scientist, CSIR-IICT, Tarnaka, Hyderabad, on 28<sup>th</sup> August,2018. The title of the talk was “stem cell gene therapy for tissue regeneration”. Dr. Das explained the methods to grow stem cells in the laboratory for tissue regeneration. He emphasized the advantages of adult stem cells over embryonic stem cells and induced pluripotent stem cells. He also explained in detail the experimental strategies employed to use the stem cells in diabetic wound healing in mouse models. Further, Dr.Das discussed the need for translational research that would be useful in treating conditions like diabetic foot through tissue engineering. This involves the immobilisation of stem cells onto a biocompatible scaffold which can be used for therapeutic purpose in wound healing. The lecture was well received by the 86 students present and they interacted with him to clear their doubts.



### Guest lecture on “Physics in Real Life”

Department of Physics & Electronics has organized a guest lecture on “Physics in Real Life” by Prof.(Retd.) D. Suresh Babu , Dept. of Physics, Osmania University, Hyderabad on 20 – 09 – 2018. 150 Students of BSc MPCs I yr and Iyr have attended in this programme.





## Report on Guest Lecture

### **Bioinformatics- Educational prospectus and career scope in INDIA**

The Department of Genetics & Biotechnology organized a guest lecture for UG students on 31-08-2018 at 2.30 pm in the Room. No.71, Biochemistry block (1st Floor), Bhavan's Vivekananda College. The lecture was delivered by Mr. Praharshit Sharma, Mentor, Bioinformatics Involvement of Schools and Colleges Utilizing Information Technology (BISCUIT) on "Bioinformatics- Educational prospectus and career scope in INDIA". There was a participation of 60 students in the lecture.

Mr. Praharshit briefed about the history and milestones in Bioinformatics, followed by some key Indian Scientists in Bioinformatics. He also gave detailed information about various entry levels into accredited Bioinformatics institutions and database of bioinformatics centers in India.

Mr. Praharshit has also explained what makes Bioinformatics more attractive. He further gave a detailed account of Professional bodies of bioinformatics at National and international level and provided insights into Career scope and Progression in the domain of bioinformatics. Followed by this was an interactive session with students interacting for their queries and doubts.



## Report on Guest Lecture



## Guest Lecture

28<sup>th</sup> January, 2019

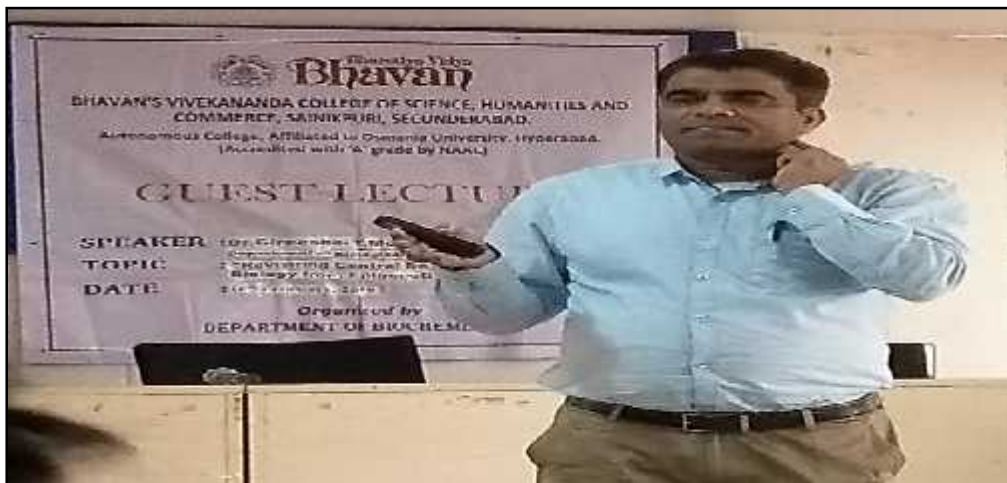
The department of Biochemistry organized a guest lecture by Dr. Lakshman Varanasi on 28<sup>th</sup> January, 2019. Dr. Lakshman is an alumni student who passed out from the first batch of MBiC (2002). He has a vast research experience abroad and is currently working as Chief Adviser, Biomedicine, Srikaalika Technologies Pvt. Ltd. He spoke on Mass spectrometry comes of age: Measuring protein analyte levels in biological samples. He explained about the preparation of serum for analysis of proteins and glycoproteins by mass spectrometry. He also gave an insight into the protocols of Filter-aided sample preparation (FASP) and Solid-phase extraction of glycoproteins (SPEG). There were 90 students who attended and interacted with the speaker and found the lecture to be very informative.



## Guest Lecture

16-2-2019

A guest lecture was organized by the department of Biochemistry on 16-2-2019 by Dr. Gireesha T. Mohannath, Assistant Professor, Dept of Biological Sciences, BITS Pilani, Hyderabad. He delivered his talk on **“Revisiting the Central Dogma from epigenetic perspective.”** He spoke about how stress affects the gene expression in humans and animals and how that in turn leads to a shortened telomere length. He also spoke about how DNA is now not considered as the master of central dogma as thought for several decades and it is the RNA which rewrites the Central Dogma. All the 91 students present interacted with the speaker and cleared their doubts.







## Inter Collegiate Event “From Big Bang to Black Holes – A tribute to Stefan Hawking”

Department of Physics & Electronics organized an Inter Collegiate Event “From Big Bang to Black Holes – A tribute to Stefan Hawking” on 10<sup>th</sup> Aug 2018.

In this event, a total of 100 students of BVC and other colleges had participated. Poster presentation and Science Quiz competitions were conducted in this event.

The topic for poster presentation was ‘Works of Stefan Hawking’ judged by Retd.Prof. K. Venu Gopal Reddy, Dept. of Physics, O.U, Hyderabad. The Science quiz was conducted by the students from MPCs along with the faculty members - Mrs.V R Manjula and Mrs T Sai Santoshi both the events were successful and the participants were enriched with the knowledge.





Bharatiya Vidya  
**Bhavan**



**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE,  
SAINIKPURI, SECUNDERABAD.**

**Autonomous College  
Affiliated to OSMANIA UNIVERSITY, Hyderabad.**

## **PRESS REPORT**

### **DAY 1:**

Department of Chemistry, Bhavan's Vivekananda Degree College, organized a two day Zonal Centre Training Program in association with E-Cell IIT Kharagpur, [makeintern.com](http://makeintern.com) on "Emerging Trends in Bio-Inorganic Chemistry." There was participation from 44 students in the workshop.

Day one of the workshop, 28<sup>th</sup> November, 2018 commenced with an introductory session on Bio-Inorganic Chemistry by the Resource person for the workshop, Dr. Kirthana M.V. Sindhe, who has professional research experience in Biomedical research, drug discovery & molecular biology.

Post lunch session, hands on training on computers was given to the participants by Dr. Kirthana on various research articles & gene assays for drug designing.

Students from Bhavan's Vivekananda College, BITS Pilani-Hyd campus, St Francis College for women & St Ann's College took part in the workshop. Selection of top 5 students to round 2 in IIT Kharagpur Campus marks the major attention of Day 2 of the workshop to be held on 29<sup>th</sup> Nov 2018. The selected student in the finale round gets an internship with IIT Kharagpur.

### **DAY 2:**

The second day of the workshop, 29<sup>th</sup> November, 2018, organised by Department of Chemistry, Bhavan's Vivekananda College of Science, Humanities and Commerce in association with E-cell IIT -Kharagpur, [makeintern.com](http://makeintern.com) on 'Emerging Trends in Bio-Inorganic Chemistry' began with a talk on career guidance in Chemical & Biological Sciences by the resource person Dr. Kirthana M.V. Sindhe.

Five participants were selected from round one based on recent research article presentation & group discussion by the participants. Selected participants are called for the finale round at IIT Kharagpur & the final selected participant gets an internship with IIT Kharagpur.

The workshop was an enriching one for all the participants & motivated them to stay focussed & succeed further.



## **Charles Babbage Day**

22nd December 2018 was celebrated as Charles Babbage Day, the Department of Computer Science of Bhavan's Vivekananda Degree College to commemorate his 227th Birthday, in honor and respect for his dedication towards the development of computers. The key note speaker for the day was Mr. K Rama Kumar, Global Program Manager, Tech-Mahindra Limited, Hyderabad, who graced the dais along with Vice Chairman Air Cmde.(Retd.) J L N Sastry VSM, Principal Prof. Y Ashok, Mrs. B Niraimathi, Vice Principal, and Mrs. KVB Saraswathi, Head, Dept of Computer Science.

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 Dibyanshu of B.Sc(MP/ECS- 1st year) and Vaishnavi BCA 1st year ,respectively. This was followed by welcome address by Mrs. KVB Saraswathi, Head, Department of Computer Science.

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.

After a brief report on Charles Babbage, Vice Chairman, Air Cmde JLN Sastry VSM had showered his blessings and appreciated the efforts of the department in conducting this event. It was followed by Principal, Prof Y Ashok giving his welcome address.

The Key note speaker, Mr. K Rama Kumar was then requested to address the students on "Artificial Intelligence and its Applications" which is one of the leading technologies in the current IT trends. He spoke on how AI is important and why it is an area of more opportunity for computer science students in the present days.

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 all the students presenting their projects on different platforms such as Android, Arduino and C programming. There were **15 Android Projects** that were presented and a total of

**28** students had participated. **22 C Programming** projects were presented with a total participation of **56** students. There were **12 Arduino projects** that were made with a total of **48** students. An overall of **132** students participated in the project presentations.

This session was very interesting and motivating to see the students develop new applications and devices which can be of use in our day- to-day lives.

The post-lunch session began with the Heads of Fusion Tech – The BCA Club conducting intra collegiate competitions like the Techmania and Digital Poster Presentation. Techmania is a 3 round competition, with WORDMANIA being round 1 in which 102 teams, i.e 204 students have participated. 42 teams were shortlisted for Round 2 which was a technical quiz. The third round with the shortlisted 10 teams was conducted on Charles Babbage Day. There were various students from different streams of the college who participated in these competitions. The first prize for Techmania was secured by Keshav and Joshi Karthik from B.Sc(MSCS-2B), followed by Vinay and Sandeep from B.Sc MECS who bagged the second prize and Sunitha Sunasagada and Romi Kumari from B.Sc(MECS-3B) securing the third prize. There were 23 entries received for Digital Poster Presentation out of which 2 top entries were selected as winners. Zameer Pasha from B.Com(Hons) and Neha Sreeram from B.Com(Hons) secured the first prize and the second prizes respectively in the Digital Poster Presentation

The valedictory session began with Vaishnavi and Vishnu Priya from BCA 1st year who gave a small presentation about Charles Babbage.

This was followed by the Prize Distribution where Principal Prof Y Ashok, gave away the mementos and certificates for all those students who had presented the projects. The prizes were also announced for the winners of Techmania and Digital Poster Presentation along with the winners of the other club activities. A recognition and appreciation award was given to those students who had developed the Bhavan's App for the college.

A special appreciation award, Techno-Ment, was given to one of our students Ch Nikhil Kumar from BCA Final Year for his exceptional



effort and contribution towards projects and motivating and guiding other students.

Badges were given for the heads of the Fusion Tech club for the coming academic year and certificates were distributed to the current heads for their contribution and participation in the club activities.

The nominated Heads for the Club are **Department**

as below: **Student Names**

Vaishnavi M and Piyush Mishra	Student Coordinators
Geetika Patnaik	PR
Abhishek K and Mounesh Rajan	Photography
Vasudha	Web Updation
Akshitha R and Mamtha Sirvee	Fine Arts
Kushal Sharma and Parvez Md	Technical Heads
Kashyap and Prem Chand	Logistics







## **Report on “Flow Cytometry and its Applications”**

**23<sup>rd</sup> to 25<sup>th</sup> January, 2019**

The Department of Biochemistry has organized a workshop on “Flow Cytometry and its Applications” for M. Sc Biochemistry first year students in collaboration with CFRD (Central Facilities for Research and Development), Osmania University, Hyderabad from 23<sup>rd</sup> to 25<sup>th</sup>, January, 2019. The workshop started with an introductory lecture on lasers and fluorescence by Mr. Anil followed by Ms. Sumathi explaining about the principle, instrumentation and applications of Flow cytometry. On second day students and faculty were briefed about apoptotic staining, sample preparation, its assay, immunotyping of samples and acquisition of samples. On the last day, students were explained about preparation of cell cycle samples and how to interpret the data and analyze it. The last session was on the do’s and don’ts during the sample analysis.

This workshop has enriched the students about working of the flow cytometry and its applications in cell study.









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List of Students for Flow Cytometry Workshop Bhavan's Vivekananda College

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1.	ABBARAJU LAKSHMI PAVANI
2.	ADIRAJU SURYA LALITHA
3.	CH DURGA SATYA DEEPTHI
4.	GOWRARAM BHAVYA HARIKA
5.	JAVVAJI THIRUMALA
6.	K L GOURI AISHWARYA
7.	K RAMA KRISHNA
8.	KURUVA RAMASAI
9.	METTU SURAJ
10.	MOHAMMED JUWERIYA TAHSEEN
11.	MUDIGONDA CHANDANA
12.	PATURI VENKATA ATREYA SAI
13.	RAAGI SHIVANI
14.	RACHAKONDA SAITEJA
15.	SADURGAM VAJAYANTHI
16.	SANDHE PUSHPA
17.	SHAISTA NAGHMA
18.	SOWMYA JAI KUMAR SREEJA
19.	SREEKAR VATTEM
20.	V VAISHNAVI

*W. Sai Padal*

Head, Dept. of Bio-Chemistry  
Bhavan's Vivekananda College,  
Sunkuram, Secunderabad-500 044

# **Report on PHP and MySQL Value Added Course**

## **M.Sc.(CS) II Semester students, March, 2019**

With the intention to provide additional knowledge and placement support to M.Sc.(CS) II Semester students, the Computer Science department planned to introduce a special training program on “PHP and MySQL” .

**Course Name: PHP and MySQL**

**Instructor Name: Mr. Vinay Kumar CharySingoji**

**Working organization: Full Stack Web-Developer, WASSAN, TARNAKA, Secunderabad.**

**Field of experience: Software Development**

**Experience period: 2 + years**

**Course Duration: 30 classes**

**Course commencement date: 14<sup>th</sup> February, 2019**

**Timings : 9 a.m. to 10 a.m.**

**Number of students participated: 43**

**Incharge of this program: Mr. K. Srinivas Rao, Dept. Computer Science, BVC**

The program went on well. Students got confident in developing web applications with back end MySQL tool. Students are also got confident in developing applications confidently.

(N. Bhaskar)

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

(KVB Saraswathi)

HOD, Dept. of Computer Science

## **National Science Day 2019**

The Department of Physical and Life Sciences of Bhavan's Vivekananda College celebrated National Science Day on 28th February, 2019. The theme for the event was "Science for the people and the people for Science". The National Science Day began with an inaugural session attended by, Vice Chairman, Air Cmdr. (Retd) J. L. N. Sastry, VSM ; Prof. Y Ashok, Principal, BVC, faculty members and students of Physical Science and Life Sciences., Air Cmde. (Retd) J. L. N. Sastry, VSM ,Vice Chairman , BVC , gave his blessings and discussed the importance of science in our daily life. Prof. Y Ashok appreciated the efforts of the various Departments of Sciences for their team work.

The Chief Guest , Dr J Kedareswari, Curator, Education, Publication, Public Relations, Salar Jung Museum, Hyderabad, gave an insight into how science can be useful for the people. She emphasized the importance of science in safeguarding the cultural heritage of our country.

There was a Science Fair which included events such as live experiments, poster presentations, display of models and a Quiz competition. There was an enthusiastic participation by the students of various science departments of the college.

A total of 150 students registered for the various events in the Science fair. The theme for Poster Presentations for the Dept of Computer Science was : "IoT Applications and Security", in which 39 students participated. The next event that was conducted by the Dept of Computer Science was Project Presentations on various platforms such as Android and Arduino Programming which had around 40 participants. There were a total of 78 poster presentations given by students from both Physical Sciences and Life Sciences. A total of 23 teams had participated in the Quiz conducted by the Dept. of Genetics and Biotechnology and 18 students who had participated in the Micro Presentations.

The National Science Day celebration came to an end with Prof Y Ashok, Principal, BVC, giving away the prizes for all the winners of various events and certificate of appreciation to all the participants.



GTVM – 2019

Department of Computer Science

2-03-2019

In connection with M.Sc(Computer Science) students interaction with industry, the Dept of Computer Science conducted GTVM-2019 on 2-3-2019. There was a participation of 35 students in the programme. Following events were conducted:

Poster presentation by PG students on the topic “IOT APPLICATIONS and SECURITY”

Guest lecture on “Career Opportunities in Cloud Computing Tools” by Mr. Y Satya,

Senior Technical Trainer, ServiceNow, Hyderabad. He gave lecture on cloud services, opportunities, tools available and training programs on tools.







## FIELD TRIP TO ISRO - NRSC

57 Students of BSc MPCs and MECs along with three faculty members from Department of Physics and Electronics, Mrs M Prasanna, Mrs V R Manjula and Mrs T Sai Santoshi have visited ISRO – NRSC, Jeedimetla, Hyderabad on 08 – 08 – 2018.

A lecture session followed by a video presentation wherein complete Satellite launching procedure starting from making of various modules to the final stage of launching of satellite into the orbit was shown. A crossword and quiz contest was organized; our students have bagged the first and third prizes for both the Quiz and Crossword events organized amongst the total of 900 students participating from 16 different colleges.





**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES  
AND COMMERCE, SAINIKPURI, SECUNDERABAD.  
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(Accredited with 'A' grade by NAAC)**

**DEPARTMENT OF CHEMISTRY**

**FIELD VISIT TO IKP KNOWLEDGE PARK**

Chemistry Department had organized a field visit to IKP Knowledge Park on the 26<sup>th</sup> September, 2018 and 1<sup>st</sup> October 2018. The visit to IKP Knowledge Park was very successful. We were welcomed by Dr. Sangita Sen Majee, Head - Life Science Incubator, IKP Knowledge Park. Mr. Venkatesh gave an insight about the inception of IKP Knowledge park. His talk threw light on how IKP supports start - ups in Life science industries, by providing them support in the form of space and instruments. A total of 77 students were divided into batches. Each batch under the guidance of trained professionals, got a chance to see different instruments like NMR, HPLC, UPLC, GC-MS, Spectrophotometers, incubators, centrifuges, lyophilizers and freezers of different temperatures. Students got awareness of the process of Research & Development of various pharmaceuticals.









**Report on Educational trip**  
**13<sup>th</sup> to 18<sup>th</sup> December, 2018**  
**Department of Life Sciences**

An educational trip to Bengaluru, Mysuru & Coorg was organized for the final year BSc Life Sciences students by the faculty of Life Sciences. A total of 52 students from three sections (M.G.C, Bt.G.C and M.Bi.C) went for the trip which included 32 girls and 20 boys along with three faculty members Mrs. S. Vanitha, Dr. Y Suresh and Ms. Prity Mishra. The trip was scheduled from 13<sup>th</sup> December, 2018 to 18<sup>th</sup> December, 2018.

Day 1 (14<sup>th</sup> December, 2018) was at Bengaluru, where the students and faculty visited University of Agriculture-Gandhi Krushi Vignana Kendra (GKVK) campus. It's a 2100 acres campus. Dr. Srinivasa Reddy, Department of Entomology guided to all the departments. First, students and faculty visited Department of Plant Biotechnology where students were exposed to recent technology that are being used to create transgenic plants which are resistant to drought and late blight disease in potato and also to develop virus resistant papaya and tomato with delayed fruit ripening. They made students aware about the training and guidance given to farmers in implementing new farming strategies'. The students were taken to Dr. Anita Peter's lab where students had the opportunity to see sophisticated equipment's like Real time PCR, biolistics, and other instruments. Dr. Shashidhar, from the department of Plant Biotechnology explained about his work on Aerobic Rice and their application in future. The visit has gone to horticulture department which had a Plant tissue culture lab equipped with horizontal autoclave, laminar air flow etc. It was a good opportunity and experience for the students to see the banana saplings cultured and maintained in a sterile humid environment. Dr. Venkatesha Murthy and Mrs. Roshini showed banana and various plant in vitro culturing of callus, stem, and spore saplings. The most excited department was entomology where Dr. Srinivasa Reddy and his student explained about how to collect, process and preserve the insects. They had an amazing collection of nearly 5 lakh species of insects collected from different parts of India. Their collection includes from smallest to the largest insect. After lunch, students and faculty visited department of Genetics and Plant breeding, where Dr. Sakuntala gave a brief insight about the work related to plant breeding especially on common pulses, how to apply Mendelian principles, phenotype and genotype characterization of the F<sub>1</sub> and F<sub>2</sub> generation. It was more of an interactive session. The day was educative and completed by visiting to Iskcon temple.

Day 2, on 15<sup>th</sup> December, 2018, students and faculty had a taste of history with a panoramic view of Mysuru palace followed by excitement at Coorg adventurous park with fun games.

Day 3, Third day (16<sup>th</sup> December, 2018), early morning students and faculty had forty five minutes of thrill by going on a jeep safari to Mandalpatti Hill view to capture the sight of sunrise. The excitement and joy of driving through the thick forest cover on a ghat wayside continued to our next place that was Abbey water falls which was surrounded by many coffee plantations and also variety of spicy plants like cardamom, Black Pepper, Bay leaf and cocoa trees. Travelling through the windy, lush greenery brought fresh cool air led us to the holy place Talakaveri, the birth place of the river Cauvery and Triveni Sangama (Holy confluence brings Kaveri, Kannike and Sujyoti river together). The day ended by visiting to Raja's seat to view the sunset.

Day 4, 17<sup>th</sup> December, 2018 was our return journey towards Hyderabad and arrived on 18<sup>th</sup> December 2018, around 7:30am. It was an educative and fun filled trip for four days.





### **Visit to Hyderabad Central University, Gachibowli, Hyderabad.**

The final year students of M.Sc Biochemistry were taken to Hyderabad Central University, School of Life Sciences for an educational trip on 18<sup>th</sup> December, 2018. Students were taken to Genomics, Proteomics and Metabolomics labs and were explained about the working of various instruments and their applications in the field of biology. The instruments explained were PCR, Real time PCR, MALDI-TOF, Microarray instrument, 2D PAGE, Surface plasmon resonance and GC-MS. Later they were taken to nanotechnology centre and were explained the working principles of various microscopy techniques that included FACS (fluorescent activated cell sorter) and Confocal microscope. At the end of visit they were taken to BioNest incubation centre and were given a detailed explanation on the various facilities available to test the generated ideas for startups.

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











## **Industrial Visit**

### **Telangana state diary development cooperative federation limited**

Department of management studies organized Industrial visit for MBA II year students to Telangana state diary development cooperative federation limited (vijaya diary) on 22<sup>nd</sup> December 2018. Students of MBA II year of section A and B are taken to the plant which is near Tarnaka, Secunderabad. Students were divided into four batches in the plant.

The state run Telangana state diary development cooperative federation limited (vijaya diary), Hyderabad plant now has a capacity of 4 lakh litres and has drawing up large scale modernisation and expansion to improve the capacity to 10 lakh liters. Plants are also situated in Warangal, Khammam, Nizamabad, Mahabubnagar and Kamareddy districts.

On an average of 3.04 lakh litres of milk is being sold in Hyderabad and other districts. From the Lalapet factory, 40000 litres of tetra packed milk is being transported to Anganwadi schools in state.

The TSDDCF has one milk products factory, seven dairies, 11 milk chilling centres and 126 bulk milk cooling units. Plans are also afoot to establish 1000 kiosks for selling vijaya dairy products at tourist spots, highways, and other crowded places across the state.

Some of the products under Vijaya brand are ghee, butter, khova, sweet lassi, butter milk, SFM (flavored Milk), paneer, skim milk powder.

To promote the Vijaya brand, 25 RTC buses are being used and vijaya parlours and vijaya cafes have also been set up. In order to have full- fledged milk sales in the city, distributor – wise milk supply adopted.

The dairy has enhanced its milk procurement methods. At present around 5.6 lakh litres of milk is procured from 65000 producers. At present incentives to milk producing incentives are provided to farmers through cooperative societies and union producers.

Students were allowed to go through the plant and observe the production process, quality control department, packing and distribution section.

## INDUSTRIAL VISIT TO HPCL & NAVAL DOCKYARD

24-11-2018

Department of Physics & Electronics has organized an industrial visit & educational visit to Vishakhapatnam, A.P. 48 Students of the department visited Naval Dockyard and HPCL. Students had a thorough visit of the fighter ship at Dockyard and to understand the science and technology involved in the manufacturing and distribution of the black oil.



## Outreach program by TIFR Balloon Facility

TIFR (Tata Institute of Fundamental Research), Hyderabad has organized an Outreach program on 21 – 12 – 2018 to enlighten and motivate the budding young Scientists pursuing bachelor's degree for a research career in Space science. To make students aware of the facilities available at TIFR, Mrs T Sai Santoshi faculty Dept. of Physics & Electronics and Mrs Dr. Anuradha Head Dept. of Microbiology have taken 30 B Sc students visited various labs and Balloon hoisting.



## VISIT TO MAXIVISION EYE HOSPITAL

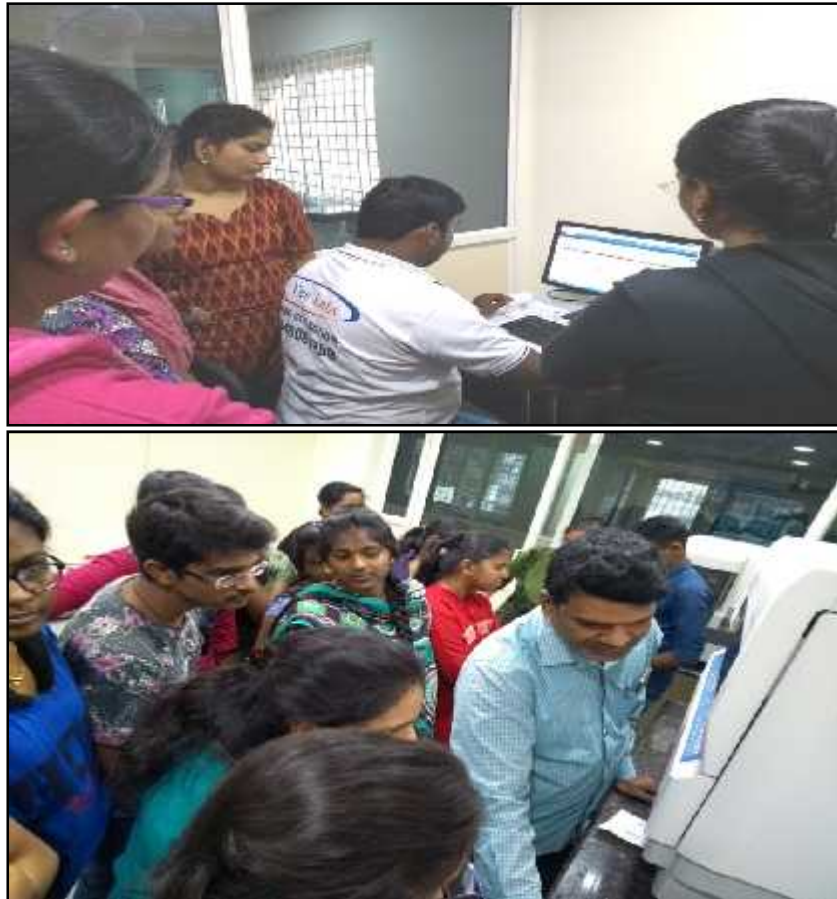
Dept. of Physics & Electronics organized a visit to Maxi Vision Eye Hospital, Dr A.S.Rao Nagar, Hyderabad on 18-01-2019. About 25 UG students were taken for the visit. The purpose of the visit is to inculcate interest among the students and developing a deeper insight in the vision related aspects by providing them an exposure to the rectifying mechanisms used for correcting the various eye defects.





### Visit to Yes Labs, Kapra, Sainikpuri, Secunderabad

The Students of M.Sc Biochemistry 2<sup>nd</sup> year and students of B.Sc SEC (Medical Diagnostics) course were taken for a visit to Yes Labs at Gandhi Nagar, Kapra, Sainikpuri, Secunderabad on 16-01-2019. They were shown various instruments with high automation for estimating complete blood picture, electrolytes, glycosylated hemoglobin. and also for routine biochemical parameters and hormone assays including parathyroid hormone (PTH). The trip gave the students an awareness about the level of sophistication with respect to automation in present day diagnostics. They also understood how maximum number of samples can be analysed with minimum human intervention in a short time span.





LIST OF STUDENTS OF M.SC BIOCHEMISTRY (SEM IV) and B.Sc (SEC) TO VISIT YES LABS, GANDHI NAGAR, KAPRA, SECUNDERABAD

ROLLNO	NAME
107217514001	NIHARIKA SHARMA
107217514002	PALLERLA OMKAR
107217514003	KOTTAKAPU HARIPRIYA
107217514004	CHOUTI HIMANTHA
107217514006	A ANUSHA
107217514007	I HONEY
107217514009	G SWARUPA
107217514010	JUTTU GUNA PRIYA
107217514011	MOUNICA CHALLALA
107217514012	ADDELLI MOUNIKA
107217514014	MADHIKUNTA SRAVANI
107217514015	KOTTAM GEETHA LAKSHMI
107217514016	SNIGDHA MUNIPALLE
107217514017	PRIYANKA BUDARAYAVALASA
107217514018	NIKITA SHARMA
107217514019	AISHWARYA SRIRAM
107217514020	PRIYANKA
107217514021	JADHAV SHRAVANI

S.No	Roll no	Name of the student
MGC1	107217459001	Ashwani
2	107217459005	G.Sushma
3	107217459007	M.Harini
4	107217459008	P.Harini
5	107217459011	G.ketana
6	107217459012	M.Manasa
7	107217459022	Shiva Nagi Reddy
8	107217459023	Simphy
9	107217459025	Tanushree
10	107217459026	TejoRajitha
11	107217459027	Anjali,R
12	107217459030	Angelina
13	107217459031	Karunya Rajaram
14	107217459034	Nitish
15	107217459041	Tarannum
BtGC16	107217573006	Harshvardhani
17	107217573011	Prajwala
18	107217573012	Praspona
19	107217573032	Monica Septa
20	107217573040	Tejaswini Chand
21	107217573041	Yogita Shukla
22	107217573050	Vaishnavi
MBIC 23	107217471001	Aparna
24	107217471007	Anoosha
25	107217471009	Manasa
26	107217471035	Meghana Prakash
27	107217471038	Pavan

## **Acumen Connect-Industrial visit-RC Cola**

On 25th of January, 2019 we visited RC Cola Industry, Patancheru as a part of our Industrial visit. *A total of 57 students attended.*

Even before the Industrial visit happened, we had an Orientation Program in the college premises on 19<sup>th</sup> January, 2019 where we were given theoretical insights of the happening of the company and what was expected out of us during the visit. The Orientation program was successful in giving us a brief idea of how the industrial visit is going to take place. A fun activity to teach the importance of Team unity, Authority and Delegation was also conducted.

Our Actual Industrial visit was one of the best learning experiences. An actual implication of theoretical knowledge gained earlier was seen. It was fun based learning. We got the opportunity to interact with the Human resources of the Industry which added to the beauty of the visit.

It was well organized and planned. The best part learnt was the practical implication of the theoretical subject Knowledge, be it Production, Operation, Distribution or Human resource.

We sincerely Thank Acumen Connect for such a fruitful experience.  
Waiting forward to seeing you again soon.

A Big Thank You.



## **Industrial Visit-Acumen Connect-RC Cola**

On 25th of January,2019 we visited RC Cola Manufacturing industry,Patancheru.

Rc cola,short for Royal crown cola is the the 3rd position holder in soft drink international market. The industry which we visited in particular produced the following:RC mineral water,RC cola,RC Q-lemon,orange,jeera soda. The industry has a co parking unit-Trinity Beverages.

### **The Aim of the Visit was**

- To have an exposure towards real life working conditions of an industry.
- To gain inside and outside knowledge of an industry.
- To combine theoretical and practical knowledge.
- To have a clear insight of the working of a company.

### **The Key take backs are-**

- Real life exposure to a working industry
- Learning and practical knowledge
- Practical example of the theoretical knowledge gained earlier.
- Got an insight on the internal working environment of an industry.
- A clear idea of how an industry runs.
- In depth knowledge of a manufacturing unit.
- A perfect learning experience.



## **A PESTLE analysis for RC Cola.**

### **POLITICAL:**

RC Cola products are at the mercy of the FDA. They must meet regulations, given by the government, to put products on store shelves.

### **ECONOMIC:**

RC Cola products are distributed all over the world. Various countries have different cultures, tastes and desires. The company is trying its best to match and stand up on the expectations of its Target market.

### **SOCIAL:**

RC cola is trying its best to stand up on the expectations of its consumers. Also it continuously tries to update itself with the social needs, For example, it is now trying to replace sugary drinks with healthy diet drinks, keeping in mind the changing tastes of the consumer market. It has launched 2 diet drinks i.e Diet RC Cola Lemon and Diet Cherry RC since 2016.

### **TECHNOLOGY:**

Continuous technological upgradation has helped the company produce better and faster. Most of the production depends on the machinery and a little human supervision is the only thing required in these industries.

### **LEGAL:**

RC Cola retains all rights related to their business, including past and future products developed with a patented process.

### **ENVIRONMENTAL:**

Environmental resources have an extreme affect on the working of the company. Water being the main raw material for the making of the product, any shortage or water scarcity will have an adverse effect on the smooth running of the industry.

# Tax Invoice

**TO**  
**Bhavan's Vivekananda College**  
India

**FROM**  
**Acumen Connect**  
plot no 69 Secunderabad  
Hyderabad 500011

**INVOICE NUMBER**

1382

**ISSUE DATE**

1/25/19

**CURRENCY**

INR

ITEM ID	DESCRIPTION	QUALITY	UNIT	UNIT PRICE	TAX	TOTAL INR EXCL. TAXES
1382	Industry Connect Program	57	pcs	500.00	0% + 0%	28,500.00

Taxable value **28,500.00**

CGST 0% of 28,500.00 INR **0.00**

SGST 0% of 28,500.00 INR **0.00**

**Total INR 28,500.00**

Total taxes INR 0.00

INR – Twenty eight thousand five hundred only

## NOTES

This invoice is regarding the industrial visit conducted for the BBA II year students (2017-2020) of Bhavan's Vivekananda Degree College. Industries visited : Royal Crown Cola, Hyderabad. Date of the Visit: 25/1/2019. Cheque Details: Acumen Eduventures Pvt Ltd. Pan No : AAOCA1235A. GST Details: 36AAOCA1235AIZ6

To,

The Principal

Bhavans Vivekananda College,

Sainikpuri, Secunderabad-94

DT: 16.01.2019.

Dear Sir,

SUB: Permission for Industrial visit – Req - Reg.

This is for your kind information that M/S. RC Cola a beverage company (Royal crown cola), Patancheru, Hyderabad, has accorded permission for local industrial visit to our BBA II year students on 25<sup>th</sup> January 2019. In this regard, We request and seek your permission for our students to go for industrial visit on 25/1/2019.

Thanking you

Yours Sincerely



Dr. NS Chakravarty

Head, Department of Management Studies.

Permitted.

HA



17/1

## Visit to MSN Labs Pvt Ltd, Formulation Unit

### Bollaram, Hyderabad

Students of M.Sc Biochemistry 2<sup>nd</sup> year were taken for an industrial visit to MSN Labs, Industrial Estate, Bollaram, Hyderabad on 28<sup>th</sup> Jan, 2019. They were shown the analytical chemistry labs and were explained about the working of HPLC, GC, IR spectrophotometer for identifying the raw materials. They were also shown other instruments like total organic content analyser, tablet density apparatus etc. They were explained about the stability studies of the drugs at various temperatures. Students were briefed about labelling and packing of injectables, orals and capsules.

The staff explained about all the instruments in detail and the students found the visit very useful.



List of students for visit to MSN labs, IDA, Bollaram, Hyderabad.

S.No	ROLLNO	NAME
1.	107217514001	NIHARIKA SHARMA
2.	107217514002	PALLERLA OMKAR
3.	107217514003	KOTTAKAPU HARIPRIYA
4.	107217514004	CHOUTI HIMANTHA
5.	107217514006	A ANUSHA
6.	107217514007	I HONEY
7.	107217514009	G SWARUPA
8.	107217514010	JUTTU GUNA PRIYA
9.	107217514011	MOUNICA CHALLALA
10.	107217514012	ADELLEI MOUNIKA
11.	107217514014	MADHIKUNTA SRAVANI
12.	107217514015	KOTTAM GEETHA LAKSHMI
13.	107217514016	SNIGDHA MUNIPALLE
14.	107217514017	PRIYANKA BUDARAYAVALLASA
15.	107217514018	NIKITA SHARMA
16.	107217514019	AISHWARYA SRIRAM
17.	107217514020	PRIYANKA
18.	107217514021	JADHAV SHRAVANI
19.	107251416011	R. Mounika



## DEPARTMENT OF MASS COMMUNICATION – GUEST LECTURE The Journey of Journalism by Akash Kolluru:

On the 30th of August 2018, we were very privileged to have a guest lecture on “ The journey of Journalism “by Akash Kolluru, an alumni of the college. There was a participation of 103 students in the lecture where, he highlighted the points on how the reporters work on and how sting operations works on national news levels. He gave a few insights from his experience to be more realistic. To make the topic more enthralling he showed video clippings and photographs from his work. Students showed lot of engrossment and were curious to know more about reporting and journalism..It was an interactive form of session where students actively participated.



## POLITICAL SATTIRE-MEDIA ,POLITICS AUR HUM:

August 4th 2018 will forever be etched in the minds of the participants as well as the audience of 78 students who were present for the very first event of SOCH CLUB 2018. Theme for this year - POLITICAL SATTIRE-MEDIA ,POLITICS AUR HUM.

PLOT- In a television interview,the true colours of political leaders and the politics in our country is exposed, while the corruption in the journalism industry is also touched upon. The sufferings of a common man are highlighted. Characters that showed a bewildering performance are: Moderator/Journalist- RajdeepGosswami (Rahul Kumar) , Leader of ruling party - Narandra Yogi ( Kumar Utsav), Leader of opposition party-Rahul Tharror (Rajanikant) , A common man- Hussain.

A group of audience - Ankita, Shanaz, Sridevi, Sameeksha, Ankit,Kruti, Sushma, Saniya, Bhavana, and Rehan.

SaiKiran and Amritha gave introduction to the program. With an insight and mirthfulness the event went on for about an hour. As the play game to an end, the faculty members praised the participants for their dedication and hardwork. Nafisa winded event up with a vote of thanks Not to forget the brain behind the entire event- Sagar.





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## SOCH CLUB

### Poster Making Competition on Body Shaming and LGBTQ

The SOCH club of Department of Arts had conducted a poster making competition on 18th September, 2018 on the topic 'Body Shaming and LGBTQ' in the New Academic Block to create awareness about the Supreme court's order of Decriminalisation of section 377. About 56 students from other departments also had participated in the event. The competition kicked off at 3 p.m. and went on till 4:30 p.m. Every contestant presented their creative skills and produced a poster which are attractive, informative and thought provoking. Prof. Y. Ashok, the Principal of the college, had expressed his gratitude and suggested the students to think out of the box and come up with such interesting topics. 'Sexual orientation is an individual's choice and the Supreme court of India declaring it as a fundamental right is a welcoming move' says Mr. Shiva Thrishul, Lecturer, Mass Communication. The Judges for the day were Ms Manali Bose, Ms Madhuri and Mr. Shiva Thrishul who expressed their happiness for witnessing such a good event. Ms Parveen Khan, Ms Seema Ghose and Mr. Bibhudendu Das presence added colour to the event. The Winners for the day were:

1st prize- Neelima, Yogita , Jacinth BCA 3rd year and Shanaz, BA 2nd year.

2nd - Sanchit ,Vishwesh 2H1 Bcom honours, 9182513415. N.Navya , Megha Lalwani, Bcom 2ndyear, 9177746916.





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### **The Straight Talk with Karan Thapar**

The Students of BA have participated in a talk show titled "The Straight Talk with Karan Thapar" on 21st August 2018 at Taj Krishna, Banjara Hills. Karan Thapar is an Indian journalist and a television commentator and interviewer. He was associated with CNN-IBN and hosted The Devil's Advocate and The Last Word. He was also associated with India Today and hosted the shows '*To the Point*' and '*Nothing But The Truth*'.

Thapar has won several awards such as the Asian Television Award for Best Current Affairs Presenter (five-time winner), the Ramnath Goenka Broadcast Journalist of the Year Award (2009) and the International Press Institute – India Award for Excellence in Journalism (2013).

The moderator Mr. Sriram Karri had covered Thapar's latest book Devil's Advocate, his journalism career, friendships, breakups, and various controversies, besides the current state of Indian politics and media.

It was a very formal event with a bit of humour by both Mr. Thapar and Mr. Karri. Many journalism students from all over the city attended the event. There were many journalists as well who were eager to ask questions to Mr. Thapar.

The 10 students participated had a great learning in the talk show and got exposed to the Journalistic interviews. They participated with great enthusiasm and were happy to meet Mr. Karan Thapar.





Students of BA at Taj Krishna attending a Talk with Karan Thapar, noted TV Journalist on 21/09/18



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Report on Panel Discussion

### **Meaning of Words : The Politics of Journalistic Use of Language**

The students of Department of Bachelor of Arts attended the Panel Discussion on *Meaning of Words: The politics of Journalistic use of Language* on 27th September 2018 held at Press Club, Somajiguda conducted by Dept. of Communication and Dept. of Political Science of University of Hyderabad. There were 10 students who participated in the event. The panel consists of senior journalist Mr. T.S. Sudhir, Ms Kalpana Sharma, consulting Editor of EPW, Mr. K. Ramachandra, ED, Sakshi group and Prof. Padmaja Shaw, senior journalism academic. The panel is chaired by Prof. Vinod Pavarala , UNESCO Chair On Community Media , Department of Communication , University of Hyderabad .

The panel discussed about the language being used by the Media organizations. The use of the words like '*Pappu*' to Rahul Gandhi and '*Bhakts*' to the strong supporters of the Hindu Right wing groups among social media circles has become wide. Prof. Shaw says that 'this kind of language is used to insult the people and to show them in a poor light'. She explained how language is used as a powerful tool to address some issues and persons. Mr Sudhir also commented on KCR (The CM of Telangana) as he calls Rahul Gandhi as the country's biggest "Buffon". Mr. Ramachandra recalls an incident in his past about how Balladheer Gaddar was addressed as 'mentally armed' person. The panel spoke about the usage of the terms like 'Urban Naxal', 'Naxalvadi', 'Mandri marg clear'. They spoke the origins and the usage of the terms within media circles. Mr. T.S. Sudhir advised the young students to not to trust in whatsapp journalism and not to start the media career in TV Journalism.



The students of Department of BA with the HOD of Communication, SN. School, University of Hyderabad. (27/09/18)



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Report on Field Visit

### **Sakshi Printing Industry**

The First year students of Department of Bachelor of Arts visited the Sakshi Printing Industry on 1<sup>st</sup> October 2018 at Nacharam, Hyderabad. The manager Mr. Haribabu took the students to a round of printing industry from 2:00pm to 5:00pm. He explained the students the entire process of printing of the Newspaper beginning from the Metal plates to the Packaging. The students were divided into 2 groups and were introduced to the machines.

The printing process starts as soon as the editorial board sends the command to the Industry (roughly around 1:00AM). At first, the information will be printed on polymer plates and then will be developed in the CTP machine by a liquid (developer). The polymer plates are then moved to the Printing machine where the colors Cyan, Magenta, Yellow and Black (CMYK) are added. The industry prints 4 newspapers namely Sakshi, Nava Telangana, Hans India and Manam.

About 44 students who attended got good exposure from this visit and expressed gratitude for visiting the Industry. This experiential learning boosted the student's curiosity to learn more and more. The students were escorted by the Mass Communication faculty Mr. Shiva Thrishul.





The First Year students of Department of BA at Sakshi Printing Industry (01/10/18)



The First Year students of Department of BA with Mr. Haribabu, Manager, Sakshi Printing Industry (01/10/18)



## **Career Planning & Goal Setting (Guest Lecture)**

Faculty of BA conducted a guest lecture on the topic 'Career Planning & Goal Setting'. The lecture was delivered by Mr. Amaan Raza, a proud alumnus of our own college on the 4th of October, 2018. There were about 48 students who attended the lecture and were benefitted. Interesting facts and whereabouts relating to one's career were brought out by him. He also spoke about the subjective factors which come one's way while deciding a career and traced ways to tackle those problems. Smart goal setting techniques were also brought into light in this edifying lecture. It was an interesting communicative session.



## **BBC Beyond Fake News Conference**

### **IIIT, Hyderabad**

Date: 12th November, 2018

Venue: IIIT Hyderabad, Gachibowli.

The students of BA had participated in a conference conducted by the BBC Telugu titled '**BBC Beyond Fake News**' on **12th November 2018**. Nearly 15 students of the BA department participated in the event which was held in IIIT Hyderabad, Gachibowli.

The event took place primarily in Telugu and witnessed many guests who could be recognized as the stakeholders of various sectors ranging from the press to the police. Mr. Madabushi Sridhar, Central Information Commissioner, Mr. Srinivas, Editor of Andhra Jyothi Telugu daily, Ms. Padmaja Shaw, Retired Professor, OU, and Mr. Rakesh Reddy, founder, Factly.in are the key speakers of the day.

The problem of Fake news spreading via digital platforms and the digital misinformation was discussed from a local to global level. Various facts related to the initiating and spreading of misinformation were brought into light. Ms. Padmaja Shaw says - 'An individual is always blamed regarding the spread of fake news and not the government system or the political parties and diverse voice of nation is being ignored'.

There were also interactive sessions where the participants could pose questions and suggestions. The event was decently organized which took care of every need of the participants and was covered by the local news channels. The IIIT Hyderabad faculty in co-ordination with Google showed a small practical demonstration on how to spot fake news and how the machinery they are developing is in favor of stopping the havoc created by fake news. Most of the participants in the conference are students of mass communication from reputed universities and colleges from Hyderabad who are aspiring to be future journalists. This session was very informative and enlightening for everyone. The students were escorted by the Mass Communication faculty Mr. Shiva Thrishul.



Students of BA with BBC Telugu service Editor Mr. Ram Mohan.



Students of BA with BBC Telugu service Editor Mr. Ram Mohan.



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### **Young Thinkers Conference**

by - British Deputy High Commission and ISB

Date: 16 November, 2018

Venue: Indian School Of Business, Gachibowli

The students of BA have attended the Young Thinkers' Conference held at Indian School of Business in partnership with British Deputy High Commission on 16th November 2018. The theme for the conference was "Women In Leadership - Benefits and Barriers" which was open to public and apparently nearly 150 people were in attendance. The conference had bright charm from the attendees who spoke about their journey and struggles in their fields of work and how leadership was their final providence.

The daylong event kick started with keynote addresses from Kavita Kalvakuntla, Member of Parliament. The British Deputy High Commissioner and Aall a Professor from ISB. It was followed by sessions with guest speakers, women from various fields of work who have excelled in their discipline. Ms. Swathi Lakra, IPS, Ms. Vandana Vijay, CEO Off beat tracks, Ms. Poorna Malavath, mountaineer, Ms. Sonavi Kaicker, CEO Nimrana hotels are few speakers among many. They spoke about their journey which strived to change the stereotypes and interacted with the audience. One of the sessions witnessed participants from the art industry and spoke on why common norms shall be broken in order to gain success. It was followed by lunch for both participants and audience which gave a chance of one on one interaction.

The post lunch session enticed and gripped the audience with an emotional skit, later beefed up with interviews and panel discussions involving prominent and empowered women leaders who threw some light upon the struggles and problems faced by women.

The illuminating event was indeed very informative for all the 30 students of BA department who attended the conference escorted by the Mass Communication faculty, Mr. Shiva Thrishul.





BA Students with Mr. Andrew Fleming, British Deputy High Commissioner.



BA students with Dr. R. S. Praveen Kumar, IPS and Ms. Poorna Malavath, youngest mountaineer



BA students with Lt. Cmndr. Aishwarya Boddupati



## **A Report on the visit to BBC DELHI BUREAU**

(18th December to 22nd December 2018)

Day 1- 18.12.18

On 18th of December 2018, 42 students of BA and 2 faculty members (Mr. Shiva Thrishul and Ms. Swathina) of Bhavan's Vivekananda College have left to a field trip to BBC office, Delhi at 6.30 am from Secunderabad Railway Station.

Day 2- 19.12.18

On 19th, we reached New Delhi at 9.30am and headed towards our stay that is, Signature Grand Hotel in Hari Nagar. After couple of hours we all were at the BBC Headquarters, Delhi. At the BBC office we had a visit of their complete office that is, there Radio Room, Gallery, Desk Room etc. Their representatives explained us how BBC uses different jargons from the other mainstream media. After that we had a interactive session with one of the director of BBC, Mr. Ashish and he shared his experiences and journey of being at the place where he is today.

Day 3- 20.12.18

On 20th morning at 7.00 am we left to Shri Krishna Janma Bhoomi, Mathura. Around 12.00 we reached Mathura and everyone have spent a peaceful hour at the temple. At 1.15 pm we headed towards one of the seven wonders of the world, Tajmahal, Agra. We have spent a beautiful evening at Taj Mahal and left for the hotel at 7.00pm.

Day 4- 21.12.18

On 21st, which was our last day in Delhi around 10.00 am we have started for India Gate where we had spent an hour and left to visit Humayun's tomb. Around 3.30 pm we moved towards Railway Station. At 5.40 we have boarded our train from Hazrath Nizamuddin Railway Station.

Day 5- 22.12.18

At 2.30 pm in the afternoon we have reached to Secunderabad finishing an amazing trip which gave us wonderful experience and memories.













## A session by K.K. Senthil Kumar, Cinematographer

### Of Destinies and Dedication

Date: 11<sup>th</sup> January, 2018

Venue: Taj Krishna

The students (18 Members) of BA have attended a talk by KK Senthil Kumar, Cinematographer, Tollywood Film Industry at Taj Krishna, Banjara Hills.

"If you ask me, it was all fate, decided by god", is how K.K. Senthil Kumar started the interaction session conducted by young Indians. In an inspiring two hour session Mr Senthil Kumar spoke on his entire journey from a civil services aspirant with absolutely no interests in movies to a full-fledged successful cinematographer in the Tollywood Industry.

Coming from an army background Senthil Kumar had no traces of any Cinematic culture in his family, and it was only through a chance of fate that he found himself at the most prestigious Film institute in the country- FTII, Pune. But once , there the stimuli of movies, light and camera both fascinated and intrigued him from which he has never turned back. After that , he says, it was only through sheer hardwork, dedication and an admirable work ethic that he today stands as one of the most successful and youngest cinematographer in the country.

But self admittedly , his career had not taken off from the moment go after he completed his course in cinematography from FTII. After a wait of almost 2 years he bagged his first film- " Aithe", which introduced the world to his talent and skillset, and the rest, as they say, is history. After his breakthrough movie, he had offers from various corners of the industry and he told the audience members about the different genre of movies and director he was involved with , describing about the challenges he faced with each of them. He showed the audience members clips of some the movies he had worked for like- Eega, Magadheera, Baahubali etc he spoke about how each had a challenge of its own and how he used his knowledge from the institute and his own ideas to overcome them.

He termed the movie "Eega" as his most challenging work and reflected on how his team had to literally catch flies to study their anatomy and structure so as to get a realistic , appropriate and aesthetically pleasing visual of the protagonist in the movie which was a fly.

But the crux of his talk revolved around his formidable partnership with the legendary director S.S. Rajamouli who has given the Tollywood industry numerous blockbusters. The two of them have combined to bring together many entertaining movies for the audiences, none as successful as the humungously hit - Baahubali.

Speaking on Baahubali, Senthil Kumar reflected upon the amount of work that went behind the movie, with almost two years of pre-production work going into it. He described the waterfall sequence where the protagonist tries to climb the mountain of



Baahubali the beginning, as his favourite scene in the movie. He also told about the challenging to shoot war sequence in the movie which took almost a hundred days. The conference concluded with a short Q& A session which the cinematographer accepted gleefully and answered all the questions of the Audience members, bringing an end to the two hour long Interactive session with Tollywood's most successful Cinematographer.



## **Panel Discussion on Union Budget 2019-20**

Venue: Room no. 208, MBA Block

Date: 07/02/19

A panel discussion on Union budget was held on 7th of February by the Faculty of BA in Bhavan's Vivekananda College. The panellists for the discussion were Prof. Krishna Reddy, Mr. Ramnendra Lal and Mr. Nitin Kumar Saraf. The discussion included uniqueness of current interim budget, importance of budget and tax and having a wider perspective of the government schemes and initiatives. The panellists were very well able to answer all the shooting questions from the students. Prof. Krishna Reddy says that in the previous budget unorganized sector was neglected whereas in this year's interim budget the budget stands out by providing something to the people who belong to unorganized sector. "Budget is the future plan, not the exact count of expenditure" says Mr. Ramendra Lal. He also enlightened the students on the subjects that will affect them in the near future. Mr. Nitin Saraf has shown his perspective on what happens when the person does not pay his/her tax, purchasing power increases as a result of increase in his/her income, which in turn increases his/her investment in indirect tax. The discussion was insightful and the 89 students attended sure had something informative to take back with them.







## Field Visit to Department of Communication, University of Hyderabad

Venue: Gachibowli

Date: 14/02/19

The final year students of BA Mass Communication had visited the department of Communication, SN School of Arts and Communication, Hyderabad. There were around 34 students along with the lecturer in-charge Mr. Shiva Trishul.

After reaching the University they were shown the campus and reached the Department of Communication. The students were escorted by the Head of Department of Communication Dr. Kanchan Malik, and the Professor of Radio and Visuals Mr. Janardhan. The students had an introduction session with the concerned department professors on who all can get into the University, what exams to write and interviews to be taken to get into the university. After the Introduction session the students were taken for a tea break and were divided into two groups to show the entire Department. Each group was shown the Visual Studio, Radio Studio and the Print Studio. The students were introduced to the different departments and were shown all the equipment and explained about every equipment in detail.

The students also visited the Department of Dance, Department of Fine Arts, Department of Theatre and Department of Political Science. The students had their lunch and had a group photo with the Faculty.







## ***Report: Industrial Tour 2018 -19***

Date : 28th February to 1st march,2019

Place: Sri Ranga textiles, Coimbatore

The Department of commerce had initiated an industrial trip for M. Com1<sup>st</sup> year and 2<sup>nd</sup> year students. From 28th feb 2019 to 1st march 2019, 29 PG students visited the production unit of Sri Ranga textiles, Coimbatore which was followed with the invitation to attend International Conference on **“NewGen Entrepreneur – Travel towards Digital Revolution ”**

The journey started on 27th February 2019 around 11:00am by train from Hyderabad. Early hours of 28th February we reached Coimbatore and logged into Vigneswaran lodge. It was around 11 am when we reached our respective unit. Initially we were taught about the safety procedures which we need to follow at the unit. When we were taken inside the unit, we were able to practically understand about its working, operations, and management. We also came to know how its involved in Blended cotton yarn, spinning (not charkha), Cotton yarn, spinning (not charkha), Preparation of cotton fiber including blended cotton, Spinning of cotton fiber including blended cotton, Yarn of blended cotton, spinning (not charkha), Yarn of cotton, spinning (not charkha). The briefing included that Every single piece of work is ensured with proper quality assurance. Since our inception in 12/09/1980, we are continually improving our quality to serve our clients better. Use of modern technology, industry standards, timely and quality deliveries, experienced workforce are our USPs.

After the visit of the unit we had a Q&A session with the expert of the industry. In this session we came to know about various schemes provided to the labourers. we got to know the production per day of the blended cotton. We also came to know how the management was working.

After the industrial visit all of us were taken sightseeing at cunoor. We stayed in cunoor on 1st march. On 2nd march 2019 the journey was exciting as the literary mentioned the visit to ooty. It has been a great joyful experience for us.

The journey also included attending the international conference which was held on 1/3/2019. Department of Commerce, Rathinam College of Arts and Science, Coimbatore in association with **MSME and Canara Bank Rural self employment training Institute** jointly organize the International Conference on **“NewGen Entrepreneur – Travel towards Digital Revolution ”** Dr.K.Sreelatha Reddy was the resource person and rapporteurs in one session at the conference. A total 29 students attended the international conference which was held on 1st March 2019. The PG Students had presented papers in the area of business and commerce in order to enhance their research skills and exposure to the world of research





# RATHINAM COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

(Affiliated to Bharathiar University, Re-Accredited by NAAC with 'A' Grade & Recognized by UGC under 2(F) & 12B, Approved by AICTE, NIRF Ranked Institution, Rathinam, Saravali, Pallanam Road, Perambalur (Dist), Coimbatore-641 031, Tamil Nadu, India. Phone : 0422 4040905, Web : www.rathinamcollege.com, Email : info@rathinamcollege.com

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## International Conference ON

"Business Innovation through Technological Advancement" ICBITA'19

Mr. Kush Ahuja  
Head of Business Development, ISDC  
Dubai - UAE.

will be the chief guest and deliver the special address

Your august presence is anticipated

Venue : Rathinam Auditorium

Date : 01.03.2019

For more Details : 91-9843924557 , 91-9055199869

### Programme Schedule

9.00 AM - 10.00 AM  
10.00 AM

Welcome address

Registration address

Presidential address

Inaugural address

Special keynote address

Special address

10.45 AM - 11.00 AM

11.00 AM - 12.30 PM

Technical Session - I  
Chief Guest  
Dr. K. Srinathra Reddy,  
1022-Hussaini & Coimbatore,  
Dharmavaram Venkataswami College of Science,  
Satalipuri, Secunderabad

1.40 PM - 1.45 PM

3.45 PM - 3.50 PM

4.00 PM

Registration  
Inaugural Ceremony  
Prayer song

Dr. K. Kumutha Devi, IAS - Commerce, KAS.

Dr. K. Muralidharan - Principal, KAS.

Prof. R. Manickam,  
CEO - Rathinam Group of Institutions

Mr. Kush Ahuja  
Head of Business Development, ISDC  
Dubai - UAE.

Mr. Jamal George  
VP for Institutional Relations,  
George & Associates, Consulting and Director  
of Admissions at Concordia College, New York, USA.

Dr. Viji George  
CEO of George & Associates,  
Consulting & former President of Concordia College,  
New York, USA.

Refreshment

1.30 PM - 2.20 PM : Lunch Break

2.30 PM - 3.40 PM

Technical Session - II  
Chief Guest  
Dr. P. Brindha Devi - PCE &  
Research Department of Commerce,  
NGM College, Palurthi

Feedback Session

Vote of Thanks

Dr. V. T. Dharmaraj  
Head, Department of Commerce  
Rathinam College of Arts and Science  
Coimbatore-19

Certificate Distribution