“Education is the key to unlock the golden door of freedom”

George Washington

Congratulations!

(Dr.) Sr. Beena John
(Principal)
All your appraisals and accolades,
Are for the sincerity and passion you dedicate.
Your work today has achieved
The height of success we always wanted to reach.
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**Introduction**

**Botany** means study of Plants. In session 2012-2013 various activities were conducted by deptt. of Botany, St. Bede’s college along with traditional teaching.

In order to make understanding of the subject easy and interesting following activities were undertaken:

- **LECTURE ON POWER POINT PRESENTATION**
  - Today’s world is a world of Technology and Power Point is a software that helps to make a presentation powerful and interesting. Keeping this in view a Powerpoint Presentation was organised for the Students of Bsc I, II and III. Mam Nivedita of Computer Deptt. gave a lecture on PowerPoint students. Students were also taught different styles of making Presentation effective.

- The Students of 1st year gave presentations on various topics of
Each and every student was given an equal opportunity of coming forward and expressing themselves. Using these way students got the opportunity to understand the subject in a better way.

Since Botany is a diverse subject in itself and understanding its various aspects are not easy, therefore a Powerpoint Point Presentation on Angiosperm Families was organised for the students. Presentation provided clear understanding of the subject.

Taxonomy of flora of college by HFRI, Panthaghati.

The Himalayan Forest Research Institute caters to forest research needs of regions comprising the states of Himachal Pradesh and Jammu and Kashmir.
- It was a matter of immense honor that Scientists from HFRI visited the college.

- Students of Bsc II year took part in the naming of the flora of college and thereafter submitted a project regarding the same.

- Biotechnology and Microbiology are part of syllabus of Bsc students so in order to give them knowledge of basic techniques visit was organised to Department Of Biotechnology and Microbiology for Bsc final year students.

- Students learned to handle different instruments.

**DEPARTMENT FACULTY**

Dr. Shramja Munjal

Ms. Swati Kondal
The Department of Biotechnology & Microbiology conducted various activities as follows:

**POWER POINT PRESENTATIONS**

Given by the 1st, 2nd & 3rd year students on different topics from the syllabus like:

a) Nucleic Acids  
b) Innate Immunity  
c) Carbohydrates  
d) Vitamins  
e) Adaptive Immunity  
f) Fungal diseases  
g) DNA Isolation technique  
h) PCR

It was a learning experience for the students. They gained a lot of self-confidence by giving such presentations and learned how to face the audience, and their knowledge was enhanced due to the cross questioning by other students and teachers.

**EDUCATIONAL TRIP**

**Jim Corbett National Park, Ramnagar (Nainital), Uttarakhand.**

Students gained knowledge about the various flora & fauna like Sāmbhar, deer's, Jackal, birds, trees destroyed by the elephants, unfortunately we could not see any tigers but we observed a tiger footprint in the park.

Visiting the National Park was a wonderful learning experience for the students. They observed and learned about the different species of plants and animals living together in a single habitat.

Students read about the history of the National Park.

Jim Corbett National Park is the oldest national park, named after the hunter-turned-conservationist Jim Corbett, who played a key role in its establishment—was established in 1936 as Hailey National Park. Situated in Nainital district of Uttarakhand the park acts as a protected area for the endangered Bengal tiger of India, the secure survival of which is the main objective of Project Tiger, an Indian wildlife protection initiative.
SUMMER TRAINING

The students of B.Sc (Hons) Biotechnology & Microbiology, IIInd Year went for summer training for one month in May, 2012. The institutes they went for training were as follows:

a) Indira Gandhi Medical College, Shimla
b) BIOAGE, Mohali
c) State Forensic Science Laboratory, Junga, Shimla

The students performed various hands on practicals in the various institutes. They gained a lot of knowledge of the various biotechnological & microbiological techniques and the use of these techniques in different areas for the benefit of mankind.
They performed many experiments which were not a part of their curriculum and had a great exposure in these research institutes.

The students prepared a training report which highlighted the work they had performed.

DEPARTMENT FACULTY

Ms. Preeti Prem

Ms. Vanita Gautam

Ms. Reena Thakur
Chemistry department organized interclass power point presentations/seminars/lectures on

- Nucleic acid: structure, Application, Importance & Functions.
- Importance of chemistry in daily life-Medicines, Dyes, Drugs, Detergents, Soaps.

Safety measures taken in the chemistry lab.

Various techniques (models) to explain various crystal structures, crystal defects, hybridization.

**Department Faculty**

Dr Ram Kumar

Dr. Anita Khanna
INTRODUCTION

The Department Of Computer science was formed with the primary objective of providing best class education in the field of Information Technology. The department has been offering excellent IT facilities with the variety of computing platforms to aspiring professional students to meet the demands of IT industry. The department endeavors to produce confident professional students.

OBJECTIVE

The objective of Computer science Department is to equip students with latest skills in the field of technologies supplemented with Practical Orientation to face challenges of modern computing industry.

COLLABORATION

The department of Computer Science is collaborated with Microsoft and is a member of MSDN Academic Alliance for last 4 years.
NEW INITIATIVES

- Interactive boards were also used by the teachers to make the lectures more interactive.
- Use of e-books and e-library.
- Students worked on the live projects.
- Students were allotted with different projects to work on to prepare them for their final year project evaluation.

ACTIVITIES

The department of computer science organized various activities for the session 2012-13.

SEMINARS FOR COLLEGE FACULTY

2 Seminars were conducted for the teaching faculty on “working of interactive boards” on July, 2012 and 28th March, 2013 in the Computer Lab.
SEMINAR FOR THE STUDENTS

Organized seminar on “PERPECTIVES OF MCA IN FUTURE” on 18th October, 2012 by MG Services, Chandigarh.

A seminar was conducted by Resource person from IBM COLLEGE on “MCA AS FUTURE”.

Organized seminar on “LATEST IT TRENDS” on 5th November, 2012 by Aptech Education Center, Lakkar Bazaar, Shimla.
PRESENTATION BY FACULTY

A number of presentations were made by the teachers on different topics. Interactive boards were also used by teachers to make the lectures more interactive.

Few of them are listed below:

Operating System concepts
Memory management
Process management
Computer Networks
Cloud Computing
Green Computing

INTER-DISCIPLINARY ACTIVITY

Ms Nivedita Bhardwaj conducted 3 classroom sessions for all B Sc. students to make them aware of the USE OF MS-POWERPOINT in their assignments and projects.

STUDENT ACTIVITIES

- Departmental Assemblies were conducted by the students of BCA, Bsc I year Microbiology and Biotechnology for the college students.
- Dimple Mathew of BCA II took 2 technical sessions with all BCA students on the following topics:
  - Windows Ajax
  - Cloud Computing
Students of BCA 3rd year developed live projects (software development) on the following topics:

- Automation of Ration Cards
- Hotel Reservation System
- Gas Agency
- College Management System
- Automation of gas agency
- Telephone billing system
- Library Automation System
PRESENTATIONS

A number of Presentations were made by the students on different topics. Few of them are listed below:

- **BCA-I** various careers options were discussed
  - Career in medicines
  - Career in geography
  - Career in teaching

- **BCA-II**
  - Project selection
  - Feasibility study
  - Data Flow diagram
  - Cloud Computing
  - Green Computing

- **BCA-III**
  - IDE
  - OOPS
  - Functions and procedures

- **BA/Bsc-III year**
  - Computer network
  - Atm
  - Firewalls
  - Network topologies
  - Artificial intelligence
The students of BCA 3rd year organized a party for the teachers for the teacher’s day celebration in the computer lab.

ACHIEVEMENTS OF THE STUDENT

Dimple Mathew of BCA-II has been awarded 3 certificates from Microsoft Virtual Academy. The certificates include:

- Microsoft SQL Azure HTML with Java Script – CSS3
- Windows Server 2012: Server virtualization

CONFERENCES/ORIENTATION PROGRAMME ATTENDED BY THE TEACHERS

- Mrs. Priyanka Rana & Ms. Bhavna Chauhan presented a paper entitled ‘Aforethought Obfuscation in Data Networks: Economics of Malware’ at the International Conference on Electrical, Electronics and Computer Science (ICEECS-
2012) organized by the Institute of Research & Development (IRD) on November 25, 2012 at Chandigarh. Their paper was given the best paper award. The paper has been nominated for Junior Research Scientist Award.

Ms. Neha Walia attended the Orientation Programme for Academic Counselors on February 16-17, 2013 organized by the IGNOU Regional Centre, Shimla.

DEPARTMENT FACULTY

Ms. Neha Walia

Ms. Nivedita Bhardwaj

Ms. Priyanka Rana

Ms. Bhavna Chauhan
INTRODUCTION

Commerce is the exchange of items of value between persons or companies. Any exchange of money for a product, service or information is considered a transaction of commerce. The trading of items for other items also is included in the definition of commerce. These trades do not need to occur physically in a single location, and transactions made over the Internet — also known as ecommerce — became widespread during the early 21st century.

Management is a universal phenomenon. It is a very popular and widely used term. All organizations - business, political, cultural or social are involved in management because it is the management which helps and directs the various efforts towards a definite purpose. According to Harold Koontz, “Management is an art of getting things done through and with the people in formally organized groups. It is an art of creating an environment in which people can perform and individuals and can co-operate towards attainment of group goals”. According to F.W. Taylor, “Management is an art of knowing what to do, when to do and see that it is done in the best and cheapest way”.

HISTORY

The origin of commerce is back to the very start of communication in prehistoric times. Apart from traditional self-sufficiency, trading became a principal facility of prehistoric people, who bartered what they had for goods and services from each other. Historian Peter Watson dates the history of long-distance commerce from circa 150,000 years ago. In historic times, the introduction of currency as a standardized money facilitated a wider exchange of goods and services. Numismatists have collections of these monetary tokens, which include coins from some Ancient World large-scale societies, although initial usage involved unmarked lumps of precious metal. The circulation of a standardized currency provides the method of overcoming the major disadvantage to commerce through use of a barter system, the "double coincidence of wants" necessary for barter trades to occur.

Today commerce includes a complex system of companies that try to
maximize their profits by offering products and services to the market (which consists both of individuals and other companies) at the lowest production cost. A system of international trade has helped to develop the world economy but, in combination with bilateral or multilateral agreements to lower tariffs or to achieve free trade, has sometimes harmed third-world markets for local products.

Modern Business commerce Education cover diversified fields of education and research in different aspects of business environment. It includes Finance, Marketing, Accounting, Human Resource Management, Entrepreneurship Development, Commercial and Business Law etc. In order to attain Economic Growth of a region or a country, one needs professional Economists and Accountants with advanced practical knowledge to enable to evaluate and analyze the complexities of the large scale business and other Financial institutions in one side and to face the stiff competition from the MNCs from the other side. Here the commercial experts who have trained in different aspects of business environment have to play a very important role. Keeping in view the above facts and demand of the time, prospects of Commerce Education seems very bright. To avail the advantage of Commerce, a lot of educational institutions have been opened to educate students in the field of Commerce with more knowledge on practical.

FUTURE OPPORTUNITIES FOR STUDENTS

Traditional, time-tested avenues of employment making way for newer opportunities and career paths, and today, most students are faced with a bewildering array of choices of colleges, study subjects, fields of specialization and methodologies. Students are faced with the unenviable task of having to make choices based on popular opinions or trends. Very few, if any make choices based on potential and real aptitude. This means that most new entrants in the professional field are there because they hope that they are in the right place and not necessarily because that is what like and are good at doing. Apart from this, we will find that with newer seats of higher education opening up across
difficult. Highlighting one’s abilities and hidden or unique strengths becomes even more crucial in the race to stand out from the crowd. Graduates from institutes located in unusual geographies will be hit even harder with a new class structure based on one’s graduating institute rather than one’s merit emerging. Both companies and job seekers lose in the ensuring chose. As companies resort to greater eliminatory tactics, they run the risk of letting real talent ship through the employment net.

After completing course in the field of commerce & management student can encourage joining any private or government organization as a specialist in any of the streams of commerce and they can also pursue professional courses such as:

- Chartered Accountant,
- Cost and works Accountant,
- Company Secretary,
- Chartered Financial Analyst,
- Financial Consultant,
- Financial Portfolio Manager,
- Financial Analyst,
- Tax Consultant,
- Fund Manager, And
- Security Dealer And Also a Good Entrepreneur Etc.

Commerce graduates can further pursue careers in Management Such as:

- Personnel Management
- Production Management
- Financial Management
- Marketing Management
- Materials management
- Hotel Management
- Hospital Management
- Tourism Management
- Event Management
- Office Management
- Export/Import Management, etc.
SEMINARS CONDUCTED BY THE DEPARTMENT

❖ Business Organization & Management.

➢ Advertisement

Detail discussion on advertisement, types of advertisement and role played by advertisement in product promotion.

➢ Advantages & Disadvantages of Marketing.

Presentation on marketing and merits and demerits of marketing were discussed thoroughly.

❖ Income Tax

➢ Residential Status

➢ Presentation on residential status of individual, Company, HUF, Firms, AOP/BOI.

➢ Set off & Carry Forward of Losses

➢ Presentation on rules of income tax act for set off & carry forward of various losses.

❖ Basic Tax Structure

❖ Company Law

➢ Kinds of Companies

Discussion on companies and different types of companies registered under companies’ act 1956.

➢ Shares & Types of Shares

Presentation on capital, shares, different types of shares and capital structure.

➢ Role of directors in relation to Company Management
students what roles are played by different parties to NI.

- **Offer & Acceptance**

  Landmark cases on the topic taken up for detailed discussion viz: Lalman Shukla vs. Gauri Dutt, Carlill vs. Carbolic Smoke Ball co.

- **Indirect Tax**

  - Special Provisions related to indirect tax
    
    Detail discussion regarding special provisions related to indirect tax.

  - **Cenvat**
    
    Presentation on cenvat.

- **Business Law**

  - **Negotiable Instruments**
    
    Presentations on Kinds of NI. Role Playing method was used to explain to the

- **Principles of Marketing**

  - **Marketing Mix**
    
    Elements of marketing mix and how the 4 P’s of marketing are working in current business scenario were discussed. Extension to 7 P’s of the mix also considered an important issue.
Product Life Cycle

Different products were taken and students prepared their actual life cycle. Case study was taken up for products like Pepsi Blue and Fanta apple which quickly moved from introduction to decline stage in few months, while Lux and Surf are shuffling between Growth and Maturity since many years.

Corporate Accounting

- International Accounting Standard
  
  Detail discussion on International Accounting Standard.

- Holding Company
  
  Discussion on consolidated balance sheet of holding company.

Financial Accounting

- Double Entry System
  
  Presentation on accounting rule for every “dr. there is corresponding cr. and vice-versa”, basic terms in accounting.

- Types of branches in India (foreign and independent branches).

BBA Students Preparing Project Report
MR. MANU MAHAJAN


- Participated in one day workshop on “Disaster Management” organized by the Indian Red Cross Society, Himachal Pradesh on 28th September, 2012 at Red Cross Bhawan, Shimla.

MS. KAVITA KUMRA


MS. JASPREEET KAUR


MS. SAVITA RANA


- Participated in one day workshop on “Disaster Management” organized
by the Indian Red Cross Society, Himachal Pradesh on 28th September, 2012 at Red Cross Bhawan, Shimla.


**MS. MINNI SHARMA**


**MS. DEEPIKA RAI**


**DEPARTMENT FACULTY**

Mr. Manu Mahajan    Ms. Kavita Kumra
Ms. Jaspreet Kaur    Ms. Savita Rana
Ms. Deepika Rai      Ms. Minni Sharma
Department of Economics at St. Bede’s is committed to teaching and applying social science to understand and improve our economy and society. It aims to provide the students and the public with tools for the analytical and critical thinking skills to understand all kinds of choice decisions and to learn more about the world in which we live.

Economics pass course is a three-year undergraduate programme, which aims to develop the basic tools of economic analysis used by economists working in research, academic institutions, government administration, non-governmental organizations and corporate sector.

The department also offers honors course that deals with both positive and normative issues and blends theory, quantitative methods and applications. Along with the use of mathematical and statistical methods, the course is a perfect guide to creating future economists and researchers in different sectors.

The faculty members along with the students of the department form a very cohesive team. The faculty members not only participate in the teaching-learning process but also engage themselves in collaborative and individual research. Moreover, the faculty members have been presenting papers at National and International Conferences.

FACULTY

Dr. Anupama Tandon

Associate Professor and Head

❖ PAPER PUBLICATIONS


❖ PAPER PRESENTATIONS

❖ ‘A Quantitative Analysis of Public Health Financing for Human Resource Development in Himachal Pradesh’ in the 95th Annual Conference of Indian Economic association, New
Delhi at Gitam University, Vishakhapatnam on 27-29 December 2012.


- ‘Hunger and Food Security in India: Problems and Interventions’ during the tenure as an Associate of the University Grants Commission’s Inter University Centre for Humanities and Social Sciences at the Indian Institute of Advanced Study Shimla, on 19 March, 2012.

**SHORT TERM RESEARCH VISITS/ SEMINARS, SYMPOSIA & CONFERENCES ATTENDED**

- Availed first spell of a ‘Research Associate’ of the University Grants Commission’s Inter University Centre for Humanities and Social Sciences at the Indian Institute of Advanced Study Shimla from 01-03-2012 to 31-03-2012.
Invited as a resource person for Orientation Course for PGT Economics of Navodya Vidyalaya Samiti and Central Tibetan School Organisation at Theog, District Shimla on 12-07-2010 to deliver lectures on Markets and Theory of Producer Behaviour.

Invited as a Co-Chairperson at the National Conference on “Governance in Neo- Liberal Era” organized by Department of Commerce, R.K.M.V. Shimla on 30th June to 1st July, 2012.

Convener of the International Seminar on “Economic, Social and Environmental Challenges of Globalization” organized by Department of Economics, St. Bede’s College, Shimla in collaboration with Indian
Economic Association on 5-6 October 2012.

MRS ALAKA VERMA
Assistant Professor

❖ Paper Presentations


❖ ‘Carbon Credit and the Clean Development mechanism in Himachal Pradesh’ organized by Department of Economics, St. Bede’s College, Shimla in collaboration with Indian Economic Association on 5-6 October 2012.

MRS UNNATTI CHAUHAN
Assistant Professor

❖ Paper Presentations

❖ ‘Banking sector reforms and the performance of public sector banks’ organized by Department of Economics, St. Bede’s College, Shimla in collaboration with Indian Economic Association on 5-6 October 2012.
Economics Department strikes an optimum balance between academic and co-curricular activities to promote students' personality development along with academic grooming.

INTERNATIONAL SEMINAR

A two day Seminar on “Economic, Social and Environmental Challenges of Globalization” organized by Department in collaboration with Indian Economic Association began on October 5-6, 2012.

PREPARATIONS

The well attended seminar was inaugurated by Smt. Urmila Singh, Governor, Himachal Pradesh. Prof. Mungekar, Member of Parliament, Rajya Sabha and Conference President Indian Economic Association, Prof. A.D.N. Bajpai, Vice Chancellor, Himachal Pradesh University, Dr. Tapan Kumar Shandilya, Vice Chancellor Bhagalpur University, Dr. Anil Kumar Thakur, Secretary IEA, Dr. Alok Kumar, Programme Co-ordinator Indian Economic Association, Mr. Dinkar Burathoke, Director Education and other dignitaries were present. On this occasion the Governor congratulated the College for organizing the seminar. She welcomed the dignitaries and the delegates who had come from different parts of the world. She highlighted the importance of such events for academic excellence. Governor Urmila Singh said conservation and protection of the environmental wealth was a big challenge in the face of increasing materialistic attitude of the mankind the world over and it was time to think how to carry out the development activities without causing any harm to the fragile environment. Her Excellency, Governor Urmila Singh hoped that the deliberations would focus on the formulation of sound policies to promote a free, equitable and productive global environment and seek to provide some theoretical and empirical answers to the question of whether globalisation
was beneficial for employment, poverty alleviation and income redistribution, especially in developing countries.

The highlight of the event was the release of the Souvenir and Inaugural address by the Governor. The Hon’ble Vice Chancellor Sh. A.D.N Bajpai gave the presidential address.

The technical sessions and panel discussions brought together international, regional and national experts and policy makers to discuss the policy coherence initiatives to be launched by the relevant international organizations and to develop integrated
policies that balance economic, social and environmental concerns.

- TECHNICAL SESSIONS

- PANEL DISCUSSIONS

A cultural programme was organised for the delegates, depicting the culture and traditions of Himachal Pradesh.

- CULTURAL PROGRAMME

In his valedictory address, Prof. Bhal Chandra Mungekar, Member Parliament, exhorted the gathering of more than 200 delegates and guests and said that the growth in global markets has helped to promote efficiency through competition and global markets offer greater opportunity for people to tap into more diversified and larger markets around the world. They can have access to more capital, technology, cheaper imports, and larger export markets. But markets do not necessarily ensure that the benefits of increased efficiency are shared by all.
Globalization is an unstoppable phenomenon, presenting opportunities to those who are prepared and threats to those who are not. It is not easy for countries to manage globalization for their own benefit. Regional cooperation through which the countries look beyond their borders to tap and leverage other's strengths could be an effective approach in this endeavour.

Weekly presentations feature a range of topics and concerns. The students are given a research assignment, are encouraged to either write a paper, do a presentation, or use technology to present information. This gives all students the chance to complete the assignment in their own creative style. Giving students this kind of choice empowers them and motivates them to do their best.

Some students are doing winter internship with the finance department of SJVN Ltd and gaining knowledge about the company, their projects, accounting, medical reimbursement, tax deduction at source (TDS), Inter Unit Transfer, Employment Provident Fund, Provident Fund, Gratuity Fund, Corporate Social Responsibility etc. These students also submit a project at the completion of their internship.
Some students are with an NGO, UDAAN dealing with the special children.

Some students World Wide Fund for Nature (WWF) international non-governmental organisation working on issues of conservation, research and restoration of environment.

While interning with WWF, I was required to visit a lot of schools and host various events like quizzes, painting competition, slogan writing and paper presentation. In certain schools we also educated the students about the flora and fauna of himachal pradesh by showing them short presentations. We screened "The Wild" in a government school to get the children interested in the environment.

Very recently, we organised a rally on occasion of Rajiv Gandhi Akshaya Urja Divas to promote the use of renewable or non-conventional forms of energy. Schools from around the city participated actively.

I just wanted to inform you that there is an NGO called Abhi in BCS, Shimla. There are 21 children which are suffering from different disease some are mentally disabled and some are physically. So we are the volunteers to support those kids. So we decided to do something for them. We have started an event 'collimating adding colours to life' through which we are helping those kids in collecting some funds. We are doing certain kinds of play and street play related to their lives. And trying to make realise the society that through which situation these kids are going through. This event took place in June 2013 and till today we have performed 4 plays. It is a great experience to meet those kids and interacts with them. And we all are still going to do something for those kids in future also. It is a never ending experience for all of us.
REFLECTIONS—OUTGOING STUDENTS

The relation with charismatic economic department is a series of beautiful things, the teachers, the books and joys that it brings, a place that taught to live each day to its fullest, let your heart and mind seek nothing less, for these lovely gifts of life can add up, to a world of happiness....
When the foundation is strong there is nothing to worry about. Truly three years under the able guidance of our dedicated teachers has strengthened our foundation and has made us able to undertake new challenges that come our way. They have added new dimensions and vistas to our learning giving us an enriching experience to be cherished forever. Each day came with something new to learn and imbibe. The three years journey has been a treasure trove of experiences which have added more meaning to our lives.

These five years in Bede’s have made us learn all the intricate procedures of life and yet it feels that we had entered the guardian gates of the college only yesterday!!! Economics Department was nothing but our second home, here we have smiled, we have cried, we have talked and not to forget we have studied not just to excel in our course of studies but in our course of life.

Our journey would rather be incomplete if we fail in our responsibility to thank our teachers for all that love and guidance they have made us worthy of. We pledge to live upto the motto “NON NOBIUS SOLUM” till we breathe our last!!

Delving into the past makes us nostalgic. Our five years in this college have been a mixture of sobs and smiles, success and failure. But most important achievement has been to learn to look for a path of success in every failure. We will always look back and recollect all the fond memories we had of laughter, joy and an education leading towards a sense of responsibility and accountability. The teachers at St. Bede's have the efficiency or rather the capability to bring proficiency into talent”. A path was paved for us but we have miles to go till we reach our destination”. Keeping this in
mind we say goodbye to St. Bede's......!!!
“The aim of Literature is knowledge not of facts but of values.”

The new session always commences with new resolves for newer innovations to fully engage the students in both curricular and co-curricular fields.

Taking a lead the PG department of English organized a Literary Interface, in August, under the experienced and able guidance of Dr. Mita Biswas. All the fifteen PG students rendered exclusive poems, extracts and speeches taken from different genres of literature. ‘Leave this chanting’ by Tagore; ‘A psalm of life’; ‘I have dream’ – the celebrated speech of Martin Luther King; ‘Values of life’ – an extract from Louiseal Hays best seller ‘You can Heal your life’; John. F. Kennedy’s highly acclaimed speech; A powerful extract from The Merchant of Venice; the soul stirring words of Helene Rice, Alexander Pope’s Human Folly and finally a beautiful rendition by Sr. Divya (PG student) of “If we hold on together”, cast a spell and was thoroughly appreciated by one and all. The aim was to encourage the students to gain confidence in public speaking.

**ACTIVITIES**

- The Departmental Assembly in August was co-ordinated by Ms Anuja Sharma, with the theme ‘A purposeful direction in life’, after a prayer and discussion it concluded with the following lines of Helen D:

  
  I’ve only one life; it soon will be gone.
  
  What will remain of the things I’ve done?
  
  Will I be remembered as someone who cared?
  
  Someone who sympathized?
  Someone who shared?
  
  Will the things that I did while on earth be worthwhile?
  
  Have I lightened a load? Gone the second mile?
  
  Did I put off my ambitions to help someone else in reaching their goal?
  
  If I can say yes – then I’ll not be ashamed when I reach the Heaven’s shore.
To hone the organizational skills of the students, Ms Anuja Sharma chose a team of six students, Anubhuti, Ridhima from English Honours FY, Riwani, Shivani, Ritika and Anima from B.A pass-course FY, to conceive, conduct and organize a Quiz for the rest of the class. The team formulated the Questions and put them in four rounds namely: National Affairs, Science and Geography, International affairs and a Visual round. The whole class applauded the hard work and participated keenly in it.

In an effort to know and learn about other cultures, Ms Anuja Sharma asked the Tibetan students of B.A IIIyr to do a power point presentation on Tibet. She guided them in their research as well as presentation. The entire college was invited for the ppt. which showed the colorful culture, traditions and practices of the Tibetans. It also highlighted the plight of the Tibetans fighting for their homeland under the Holy Dalai Lama. The captivating presentation was a collective effort of Dekyi, Sangmo and Pema (B.A III).

Rudali by Mahashweta Devi is a part of B.AIII Honours fiction syllabi. The students were shown the film Rudali and were then asked to present papers on the topic ‘Subaltern Dilemma’ and ‘Women empowerment or a struggle for survival’. This exercise was initiated to enhance the research skills of the students.

The English Honours students were further given assignments to read material on Feminism and later do a power presentation on it. Surbhi Chandan presented
The B.Com - I, taught by Ms Anuja Sharma also presented papers and had Group Discussions on topics like: Should politicians have a retirement age? ; Technology isolates individuals; Development comes at a high cost; Role of media should be curtailed; Again a very participative and confidence building exercise for students.

Ten students of B.A.III were guided to Intern with the Police Dept. of H.P, by Ms Anuja Sharma. The girls worked for 15 days and helped in the organization of an exhibition of the 150 years of H.P Police – from the British era to the present times. The students worked under the able guidance of Ms Satwant Atwal Trivedi, D.I.G. Crime, Govt. of H.P and were awarded certificates by the Director General of Police, H.P.

RESEARCH AND CONSULTANCY
THE BY FACULTY MEMBERS:

Dr Mita Biswas

- Invited as a Resource person by the Hochiminh University of Vietnam, to speak on ‘Representation of Culture in Indian English Literature’.

- Invited at the Punjab University, Dept.of English, to lecture on Value of Poetry , in November 2012.

- Dr Biswas has guided twenty nine PhD scholars and is frequently invited at Refresher courses by different Universities.
Dr Bindra

- Invited to numerous Institutes as well as the university, to lecture on Communication Skills.

Ms Anuja Sharma

- Presented a paper at the National Pink Buransh Literary Festival on Rabindranath Tagore. The title of the paper was “Mother and Child relationship in the poetry of Tagore.”
- Participated in a National Seminar at Christ University, Bangalore on “Exploring Learner Centered Approaches.”
- Invited as a guest lecturer at The Institute of Chartered Accountants of India – H.P. for communication skills in January 2013.

Dr Deepti Pajni

- Attended a three week Refresher Course in English at the Academic Staff College H.P.U, in June 2012.
- She edited the college News Letter Impressions and Echoes, the college magazine.

Dr. Geetanjali Mahendra

Wrote and presented a paper on Kamla Das as the author, Narrator and Protagonist in My Story, at the Indian Institute of Advanced Study during the third spell of associate ship.
INTRODUCTION

The word geography has been derived from two Latin words Ge+Grapho. Ge means earth surface & Grapho means to describe. Geography is primarily concerned with rational, orderly & accurate description of the earth surface.

In academic session 2012-2013 department of geography organized various activity to make subject interesting to the students in addition to normal teaching.

ACTIVITIES

❖ PowerPoint presentation

B.A.-1

➤ Motion of the earth surface.
➤ Tropical & temperate grassland.
➤ Equatorial Region.

B.A.-2

➤ Life system of the following races:- Eskimos, Bushman, Masai & Gujans.

B.A.-3

➤ Physical divisions of India.
➤ Drainage system of India.
➤ Formation of soil & major types.

Throughout the academic session, Students were encouraged to come forward & participate in such type of activities. We observed that students initially were not coming forward but as soon as they gained confidence they started participating in every activity organized by the department.

DEPARTMENT FACULTY

Mr. K.D. Chandel  Ms. Neel Kamal Bedi
सामाजिक (2012)

“साहित्य मनुष्य को संस्कारित करता है, उसे संवेदनशील बनाता है, उसे समाज के दर्शन पसे परिवर्तित कराता है। मनुष्य को मानव बनाने में साहित्य का सामाजिक योगदान है।

शिक्षा समग्र विश्वास

• पाठ्यक्रम पढ़ने के अतिरिक्त छात्राओं को पुस्तका लय जाने के लिए प्रोत्साहित किया गया जिससे वह अन्य साहित्यकारों एवं कहानीकारों के विषय में जाने एवं उनके बारे में अन्य सबको बताए। इससे सभी छात्राओं के ज्ञान में वृद्धि होती है।
• एक पुस्तक समाप्त होने पर छात्राओं के चार-पाँच ग्रुप बनाकर एक-एक ग्रुप को पुस्तक के अलग-अलग अंशों पर कार्य दिया गया। कक्षा में पढ़ने से सभी को लाभ हुआ। इससे कार्य बंट जाता है, कार्य धीरहोता है, हर छात्र की प्रतिभा सबर्द में उतरसी है, सबको कार्य करने का अवसर मिलता है।
• एक अवधारणा या चार-पाँच अवधारणा के बाद भी छात्राओं को ब्लैक बोर्ड पर लिखने के लिए प्रोत्साहित किया गया। यह सबको हित में किया गया।
• सभी कक्षा में पुस्तक से पढ़ने का कार्य कराया गया। इससे आत्मविश्वास बढ़ता है और उच्चारण समस्याओं दोष दूर होते हैं।
• प्रतिदिन दो छात्राओं ने सुविचार ब्लैक बोर्ड पर पढ़े, लिखे एवं हिंदी में सामाचार का एक प्रक्रिया है।
• छात्राओं की नृत्य, कविता, नाटक, वाद विवाद समस्या प्रतियोगिता आयोजित की गई। इस से अनेक छात्राओं की प्रतिभा को विकास त्योहारों का अवसर मिलता है एवं उनकी आर्थिक विजय में वृद्धि होती है।

विभिन्न उपलब्धियाँ

• 2012 में अभाषाल, बिभिन्न एवं अपने महाविद्यालय में ठीन प्रतियोगिता हुई।
  (अ) हिंदी एवं काव्य एवं साहित्यकथा और (ब) साहित्यकथा एवं साहित्यकथा।
• दो संस्कृति में सहभागिता की। (क) संस्कृत एवं हिंदी शिक्षा में)
  (अ) कविता कैसे लिखे?
  (ब) अन्य विषयों के आधुनिक विकास पर प्रभाव
• आकाशवाणी में वांछित “किशोरों के प्रति साक्षातक सपना रवि” का सहभागिता।

• दूरदर्शी में 'विशिष्ट विकास' के अन्तर्गत साक्षातक।
• हिमप्रथम में कविताएँ प्रकाशित।
• 'कविता की उलटकथायियाँ' (डा० प्रभा गुप्ता) पुस्तक का भूमिका-लेखन कार्य
• 'संगीत ध्वनिस्वरूप' के बादवल भागों में 'किशोरों के प्रति सपना रवि' का सहभागिता।
• स्थानिक राज्य के वार्षिक प्रतियोगिता एवं उनका लेखन।
• उत्तर पुस्तिका विश्वास में मुख्य—वर्णोक्त की।
• अपने महाविद्यालय में हिंदी—दिवस का आयोजन एवं विभिन्न प्रतियोगिताओं—वाद—विवाद विचारों पर नृत्य का निर्देशन।
• अन्तर्विद्यालय सभाओं में स्थानिक एवं मुख्य—निर्देशक एवं निर्देशक।
१ हिंदी दिवस

२ हिंदी-प्राकृति

२० योजना-प्रारूप

हर कक्षा की छात्राएं एक लेखक के जीवन से वे पुस्तकों से सम्पन्न योजना प्रारूप तैयार करेंगी और एक संगठन में विचारों का आदान-प्रदान किया जाएगा। वे लेखक की निम्नलिखित विशेषताओं पर प्रकाश डालेंगी:

- किवयस्तु
- शौकी
- भाषा
- तकनीकी परिवेश समस्याएं
- उद्देश्य
- लेखन का सामाजिक महत्व

यह योजना प्रारूप नाटक, कहानी, कविता, उपन्यास किसी भी विषय पर हो सकता है।

३ विभाग प्रमुख

३० संगीत सार्वजनिक
“History is the witness of the times, the torch of the truth, the life of memory, the teacher of life, the messenger of antiquity.”

Cecero, *De Oratore*

**MISSION/VISION STATEMENT**

History is a discipline at the core of the liberal arts tradition. It seeks to preserve, extend and reevaluate our study of the past and to connect it with the present. The department of history at St Bede’s college is committed to excellence and research. Students are trained in specific skills related to the discipline and are provided geographic, thematic, and chronological coverage of the past from global perspective. Our mission reinforces general educational objectives of critical thinking, reading, writing and communication skills. Our undergraduate program trains students in advanced historical methods of research and analysis and provide in-depth seminars that reflects diverse specializations in the department. The department takes seriously to mentor students. Committed to free inquiry and critical thinking, we aim to help students gain a sophisticated knowledge of history and professional skills of a history. And as a teacher I am expected to regularly be engaged in research activities, both to update lecture and class material and to contribute new knowledge.

**DEPARTMENTAL GOALS**

Department of history seeks to assure that its students will understand the past, be capable of making judgment in their own right, and gain human self knowledge that will help prepare them to be teachers, scholars or simply well informed enlightened citizens, capable of promoting common welfare. And most importantly to develop historical perspective and make students conscious of the fact that their present life is very much influenced by the past.

**LEARNING OUTCOMES OF THE DEPARTMENT OF HISTORY**

Students completing Bachelors of Arts Degree in History will:

- Demonstrate a general knowledge of India and its glorious past. They will be able to classify and describe historical knowledge and
demonstrate the relationship of geography to history.

- Apply historical methods to produce independent works through the use of primary and secondary sources and will be able to evaluate their results.
- Demonstrate the ability to think critically about and to analyze selected historical materials.
- Demonstrate the ability to communicate effectively both in written and oral forms.

**ASSESSMENT PLANS AND RESULTS**

Focus on acquisition of skills as history students.

- Effective writing skills.
- Research skills.
- Interdisciplinary thinking and training.
- Curiosity and inquisitiveness.

For the acquisition of the above skills student-centered historical methods were adopted.

**GROUP WORK OR COOPERATIVE LEARNING**

Students were made to work in pairs, trios and small groups. Extensive reading assignments on course topics and substantial writing assignments were given on the following topics:

- Origin and decay of the Harappan Civilization.
- Comparative study of the rise and fall of Buddhism in India
- Land Revenue system of Raja Todar Mal
- Critical analysis of the various land settlements introduced by Britishers in India.

Group work proved very effective. Group gained the attention of the students and get them to start thinking about ideas. Group work activity grounded the abstract ideas in more concrete terms that are easier for students to understand. But at the same time complexities also arose. Students refused to participate, did not get along and sometimes one student was doing the work. To overcome this problem, certain strategies were adopted later. Groups were given clearly focused academic activities, moreover each member of the group was made responsible for a portion of the group activity.

Civil Ideals and Community Service Learning

Under this, students were involved in social issues and community life.
Discussions and debates were held on social issues like caste system in India, position of women in ancient India, effects of modern education in India, sati-pratha, pardha system, rise of Islam etc. Students were encouraged to participate in social issues. Many of students from history department participated in various events based on social issues. Kshitj and Shefali Chauhan travelled six destinations across Himachal for the “Badhte Kadam-2012” campaign, an awareness campaign for especially able children.

**TECHNOLOGY AND RESEARCH**

Primary, secondary and latest educational resources like internet were correctly used to analysis historical contemporary events.

**SEMINARS**

Seminars were held in seminar room of the college on the following topics:

- Ashoka’s policy of “Dhamma”
- Rise of communalism in India
- Muhammad Tughlaq, a mixture of opposites
- Historical importance of Barni’s ‘Tarik-i-Ferozshahi’

Through seminars students were taught how to conduct research in original sources (newspapers, census reports, diaries, and letters). They learnt to organize and present the result of that research to a wider audience. Students attended history seminar on “archaeological exploration in trans Himalayan region.” delivered by Prof. Nautial in the state museum on 10th, October 2012
Artifacts collected by Neelanshi from the Harappan site

**POWER POINT PRESENTATION**

Students were encouraged to present power point presentations. Power point presentations were held in the seminar room of the college on the following topics:

- Nature of the Revolt of 1857.
- Rise of the First and Second Urbanization in India.
- Contribution of Mughals towards Art and Architecture in India.

Power point presentation helped history students. Students used these presentations to study for tests, a beginning point for a history paper for class, and for research in general. Power point presentation had positive influence on students. It enhanced instruction and motivated students to learn. Presentation with visual aid was more persuasive. It improved communication effectiveness and improved student’s confidence.

**CONTROVERSY, DIALOG, DEBATE**

Students focus was drifted on controversial issues, current events, social problems, origins and problems of democracy. (Gujarat riots, rise of Taliban, caste system in Western Himalayas, Khap panchayats etc.). Students were encouraged to
participate in debates, declamations and the like.

Shefali Chauhan (B.A.II) participated in ‘Utkarsh-2012’-annual fest of UIIT(HPU) in debate. She stood second in debate competition both in ‘Preknack’-university institute of legal studies and ‘Srendipity-2012’, the annual fest of ST Bede’s college. She bagged first prize in internship debate competition in the college itself, commemorating Hindi Divas. Anisha Patnaik (B.A.II) participated in ‘just a minute’ at UIIT Fest. She stood first in Anti-Drug slogan writing competition organized by U.S.M.

Students of the department of history participating in social issues

*LITERATURE*

Students were encouraged to read fictional and non-fictional literature. Students were then encouraged to review the book and discussion were held thereafter. (Lajja-Taslima Nasrin, Baburnama, My Experiments with Truth etc.)
ART/MUSIC
Special focus was on student’s involvement through dramatics or artistic self expression. Kshtij Sharma (B.A.II) participated in “Utkarsh-2012” annual fest of UIIT(HPU) in street play, and stood second. She also participated in ‘Srendipity-2012’ the annual fest of St. Bede’s college, in mono acting. Anisha Patnaik (B.A.) participated in dance performance at Gaiety Theatre for Udaan, celebrating world disability week.

FACULTY ACCOMPLISHMENT
Faculty of history attended a seminar on

- “archeological exploration in trans Himalayas “by Prof. Nutiyal at Shimla State Museum on 10th, October 2012.
- Attended a seminar for teachers on” Personality Development” in the seminar room of the college conducted by Rev. Father Lancy Rego from Lucknow Diocese, on 10th Dec 2012.
- Besides, regular career counseling is done in the department. Young civil service aspirants are guided, motivated, mentored and provided with the required study material. Students are encouraged to pursue career in history.

FUTURE PROJECTS SESSION (2013-2014)
GOALS
Creating opportunities for interaction among teachers and students throughout the class period. Using material beyond one’s own voice as a teacher such as videos, photographs, audio recording, primary and secondary sources, interactive websites. Changing the mode of instructional delivery regularly during the class period.

PLANS
Use of Inflibnet, for promoting research through greater accessibility to journals of national and international repute and stature. To arrange small projects as assignments based on syllabus to create research aptitude in students. Encourage students to write research paper on regional history. Organize guest’s and extension lectures to keep abreast of the resent trends in historical field.
RECOMMENDATIONS
Extension of class room study by means of field trips. Field trips will help students interaction with what they are learning. Field trips can answer the question of how learning can be applied in life. There will be plenty of opportunities to incorporate field trip experience back into classroom activity after returning to college. Through presentations, slide shows and answering questions, the students can instill the lesson garnered on the field trip.

CONCLUSION
The 2012-2013 academic years were a successful one for the department in many areas. The number of students is up again this year over last year. Many innovative and interdisciplinary methods of teaching were adopted. All the applied methods were based on active learning including strategies for engaging students in discussions, active note taking, visuals, material other than the voice of the teacher and other student involvement strategies. Power point presentations were more persuasive and effective. It improved student’s confidence. But some students need to learn to use power point effectively. There is also tendency among students to rely too much on slides, ignoring the verbal presentation. This is troublesome for the verbal presentation since students need to learn how to communicate study material verbally without visuals. So here being a teacher I have to make careful choices of what to use and how to use and what not. Power point should be judiciously used for few topics and illustration. Students should be taught to consider other forms of visual aids. And most importantly students should be taught to build their own ethos. Seminars proved very informative. It helped the students to convey their own ideas to classmates and teachers, thus the students who handled seminars, got a chance to collect more information of respective topic and learnt about
the next session have been chalked out. There will be constant effort of expanding the horizon’s by encouraging student’s participation in innovative and interdisciplinary learning process. And last but certainly not the least to make research and teaching more socially relevant.

DEPARTMENT FACULTY

Ms. Poonam Chauhan
INTRODUCTION

Home Science education in India started during early 1940’s with goals set to wipe out mass illiteracy among the women and teach them to take care of their family’s health and nutrition, clothing construction and raise their families in a meaningful manner. It is a well developed discipline of study being fairly broad based. It prepares the students not just for taking care of their homes and families but also prepares them for a large variety of careers and vocations both in wage employment and self-employment. Home Science is an inter-disciplinary field of knowledge with focus on Food & Nutrition, Fabric & Apparel Designing, Human Development, Resource Management and Communication & Extension.

The Department of Home Science conducted various activities which are as follows:

❖ Project presentations
They were held for all the classes. The students chose their topics from the prescribed syllabus and prepared Power point presentations which were taught to them by the members of the faculty.

❖ Meeting of the Counselors of IGNOU Centre of our College
Both the Faculty members attended the meeting held to discuss about applying for the new courses being offered by Indira Gandhi National Open University (IGNOU) on June 12, 2012 from 10.30 a.m to 11.30 a.m.

❖ College Assembly
The Faculty members and the students organized the College assembly on September 10 and 24, 2012 for the entire college.

❖ September 10, 2012
The assembly started with a prayer. This was followed by reading of lessons of life. The importance of love, peace time management was discussed. The important news and thought for the day were read out. Then the characteristics of successful people were discussed who do not do different things but do things differently. At the end, inspirational life messages were presented.

❖ September 24, 2012
The assembly started with a hymn which was sung by all the Home Science
students. The students were encouraged to observe minute details pertaining day to day activities which we do not pay any attention but are significant also. Important simple gestures which could be done every to make our lives more meaningful day were suggested. The thought for the day and the News was read out. The assembly ended with the quotes given by Warren Buffet.

❖ Both the Faculty members attended a workshop organized in the Department of Computer about using Interactive white board as a teaching aid on September 28, 2012. A demonstration cum lecture was given by the experts using fingers, opaque objects etc.

❖ **Fevicryl Art and Craft workshop**
The Faculty members organized the Fevicryl Art and Craft workshop in the College which was attended by the students of Home Science and JBT from September 26-29, 2012 conducted by a talented teacher Ms. Komal from Chandigarh. A number of techniques like fabric painting, different painting strokes, painting on the jute bag and glass and rainbow painting were taught.
Meeting of the Coordinators
The meeting of the Co-ordinators was held in the Principal’s office on September 4, 2012 to discuss various issues like low attendance, use of Information & Technology techniques by the students, failed students of the past year etc. Both the Faculty members were present.

Meeting of the Department of Home Science
A meeting of the Department was held on November 1, 2012 from 12.45-1.30 p.m. in the Home Science Laboratory to discuss the organizing of an International Conference and Inter-college competition of Flower arrangement, Rangoli and Salad-making.

Rangoli and Salad-making competitions
Both the Faculty members in the Department organized the Rangoli and Salad making competitions from 11 a.m to 1.30 p.m on November 29, 2012. A number of students participated. Mrs. Alaka Verma and Ms. Ruchi Sood were invited as judges for the competitions. The winners were given attractive prizes and a certificate each on the Annual Day.
Special Assembly
The Faculty members and the students of the department attended the Special assembly on December 1, 2012 at 10.30 a.m in the college auditorium to create awareness about HIV and AIDS on the occasion of ‘World AIDS Day’.

Counseling of the students
The faculty members started with counseling of the students of MSc. (DFSM) in the month of December.

Quiz programme
The department conducted quiz based on the syllabi of the students for all the classes.

Seminar on Personality Development
The Faculty members participated actively in the Seminar on Personality Development held from December 10-11, 2012 in the Seminar room conducted
by Rev. Father Lancy Rego from the Lucknow Diocese.

❖ Orientation Programme
An Orientation Programme for Academic Counselors was attended by both the Faculty members on February 16-17, 2013 organized by the IGNOU Regional Centre, Shimla.

❖ ‘Rashtriya Gaurav Award’
The names of both the Faculty members are under consideration for this award for meritorious service and achievements by the India International Friendship Society, New Delhi.

❖ ‘Strategising Gender Mainstreaming in Himachal Pradesh- Women’s Day Celebrations-2013
Both the Faculty members attended this workshop on March 6, 2013 at Himachal Pradesh Institute of Public Administration (HIPA), Fairlawn, Shimla sponsored by the Department of Women & Child Development, Government of Himachal Pradesh. One of the faculty members presented a paper entitled ‘Domestic Violence against Women-A Wake Up Call’. She also made a questionnaire on Domestic Violence which was distributed to all the delegates.

❖ ACHIEVEMENTS OF THE FACULTY MEMBERS:

❖ Dr. Anjali Dewan:
- Attended a National Conference on ‘Emerging Trends in Engineering, Technologies and Sciences for Sustainable Development’ (ETETSSD-2012) held on June 5-6, 2012 at Jawahar Lal Nehru University, New Delhi organized by Krishi Sanskriti, a registered NGO. She presented a paper entitled ‘Environment and Sustainable Development - New Perspectives, Challenges with a Vision for Future’. It was published in the International Journal of Environmental Engineering and Management, Volume 3 (Special issue), No.1, 2012, pages 33-44, ISSN 2231-1319 released during the conference.

Nominated as a member of Scientific Advisory Board of Journal of Environmental and Occupational Science, ISSN:2146-8311 available at http://jeos.scopemed.org

Abstract entitled ‘Ashoka’s contribution in enhancing the glory of Buddhism’ was accepted for the International Conference on ‘Introspection on Buddhist Traditions’ held on September 7-9, 2012 organized by the School of Buddhist Studies and Civilization, Gautam Buddha University, Greater Noida.


She gave a talk on ‘Kishoron ke Prati Mata Pita ka Sakaratmak Rawaiya’ at AIR, Shimla on June 12, 2012.

She checked the Dissertation entitled ‘An Epidemiological Study of the Occurrence of Obesity in Women in Shimla and its Adjoining Areas’ of Nisha Verma for her Masters in Dietetics and Food Service Management MSc. (DFSM), IGNOU as an External Examiner. She also conducted her Viva Voce on June 22, 2012.
Reviewed a number of Research papers sent by Educational Research and Reviews in June 2012:

- ‘Does Teaching Experience Matters? A Study on Female Teachers involved in Engineering Education through ODL Mode.’
- ‘A Qualitative Study of Best Practices-How have Faculties of Turnaround Schools Effectively used Instructional Practices, Processes and Collaborative Relationships in Turning Schools Around?’
- ‘Staff Motivation and the Higher Education in Nigeria’.
- ‘Managing Nigerian universities for Better Students Participation in Voluntary Community Services’.


Attended the First Meeting of the Working Group on State Sanitation Strategy held on 25th August, 2012 at the Directorate of Urban Development, Pallika Bhawan, Talland, Shimla. A number of issues related to Service Level Benchmarks, City Sanitation Plan were discussed.
Conducted the meeting of the Research Committee on September 5, 2012 in the Staff room. Various issues pertaining to research were discussed. A report was submitted to the Principal, Dr. (Sr.) Beena John.

Attended the CME on ‘Nutrition in Liver Diseases’ under the aegis of Indian Dietetic Association, Chandigarh Chapter on September 9, 2012 jointly organized by the Departments of Dietetics & Hepatology, PGIMER, Chandigarh as a delegate.

Attended the 15th Global Female Folk Dance Competition on September 30, 2012 from 4:30 -7:30 p.m as the Teacher-In-charge at Gaiety Theatre organized by the Charu Castle Foundation in collaboration with Ministry of Culture, Department of Language, Art and Culture, Government of India, Northern India Folk Art Society, Himachal Tourism, Doordarshan, Shimla and ONGC.

Was the Teacher-in-charge of 250 students from the College at the ‘Save Girl Child Rally’ which was held on October 1, 2012 organized by Charu Castle Foundation in collaboration with Directorate of Higher Education.

Awarded a trophy, a medal and a certificate by the Hon’ble Governor of Himachal Pradesh, Mrs. Urmila Singh as the Teacher-In-Charge of two Folk dances presented by the students of our college.

Attended the International Seminar on ‘Economic, Social and Environmental Challenges of Globalization’ organized by the Department of Economics, St. Bede’s College, Shimla in collaboration with Indian Economic Association, New Delhi on October 5-6, 2012. She presented a paper entitled ‘Globalization and
Environment - Key Issues and Interventions’. The abstract of the paper was published on page 18 of the souvenir. She was the In-charge of Cultural Committee, member of the Catering & Media Committees. She also drafted the Press Note of the Proceedings of October 6, 2012.

- Reviewed two manuscripts entitled:
  - Restoration Project/Site: North Peninsula State Park (NPSP)/Volusia County, Florida.


- Attended the workshop on Disaster Management on October 10, 2012 in the College auditorium from 2 p.m to 3.30 p.m. This was organized by the N.S.S units of the college in collaboration with United Nations Development Programme & Disaster Risk Reduction Programme (HPSDMA), Urban Risk Reduction Project, Disaster Management Cell (2009-2012), Municipal Corporation, Shimla.

- Attended the 2nd International conference on ‘Exploring Non-linear growth through HR driven Strategies’ held on
October 12-13, 2012 by the Institute of Management, Noida. She presented a paper entitled ‘Build to Last-Organizational Vision and Cultivating High Performance’. This was published in the Proceedings of the conference, page 172-183 edited by Professor P.K Agarwal and Dr. Rajat Sheel Jain.

- Attended the International Conference on ‘Agriculture, Food Sciences & Environment Technology for Sustainable Global Development (AFSET-2012) on October 28-29, 2012 organized by Krishi Sanskriti held at Jawahar Lal Nehru University, New Delhi. She gave two oral presentations namely ‘Environmental Degradation and Sustainable Development in India-Key Issues & Interventions’ and ‘Malnutrition in Children - Understanding the Indicators & Challenges’.

- Reviewed a paper entitled ‘Comparative Study of the Biomass, Water content and Total Protein content of White and Yellow Maize plant (ZEA Mays) grown in crude oil contaminated soil from the Journal of Environmental and Occupational Science, on November 28, 2012.


- Attended the National Seminar on ‘Socio-economic Empowerment of Women’ sponsored by University Grants Commission, New Delhi organized by the Department of Economics, Ginni Devi Modi Girls (P.G) College, Modinagar on December 7, 2012. She
presented a paper entitled ‘Empowerment of Women-Need for a Paradigm Shift to bring in Social Change’.


➢ Reviewed the manuscript entitled ‘Occupational Health Hazards of Female Hair Dressers Case Study: Hair Colorants Applications, Jacarepagua, Rio de Janeiro, Brazil’ for the Journal of Environmental and Occupational Science in January 2013.


➢ Attended the National Seminar on ‘Nutrition and Diet for Holistic Health’ organized by the Department of Home
Science, D.A.V College for Girls, Yamunanagar on March 8-9, 2013 sponsored by University Grants Commission, New Delhi. She was invited as a Resource person for an oral presentation entitled ‘An Appraisal of the Indicators and Challenges of Malnutrition in Children’.


The department had an academically satisfying year. In the next session, we hope to have cookery demonstrations and short term courses.

**DEPARTMENT FACULTY**

Ms. Nandini Pathania

Dr. Anjali Dewan
INTRODUCTION

Mathematics can provide pupils with powerful ways of exploring, investigating and understanding the world. The potential to apply the skills of making comparisons, identifying differences, investigating relationships and establishing connections reflects the importance of the subject across the curriculum during the school years. Mathematics is vital in everyday life as it encourages logical reasoning and the ability to think in abstract ways. At the earliest stages of development, where thinking centres around concrete situations and events, pupils strive to make sense of experiences and sensations that involve changes in pattern, quantity, space and time. Such experiences help them approach problem situations flexibly, to move from random to trial and improvement responses, and on to anticipate and predict. Increasingly, pupils will plan and reflect and come to recognise and evaluate alternative solutions. In this way, mathematical skills and understanding build on the earliest perceptual and cognitive learning.

In particular, mathematics offers pupils with learning difficulties opportunities to:

- build on their awareness of events and actions to recognise changes in pattern, quantity and space in their immediate environment and in the wider world
- use their developing awareness to anticipate and predict changes
- use their awareness and developing understanding of pattern, space, shape and number, to develop problem-solving skills that contribute to making choices, taking decisions and gaining control over their immediate environment
- Extend mathematical skills, experiences and understanding which allows them to visualise, compare and estimate. For some pupils this will be achieved in abstract as well as concrete contexts
begin to think about the strategies they use and explain them to others
- Develop a powerful set of thinking tools to help them increase their knowledge and understanding of the world and, during the school years, to learn effectively in different subjects across the curriculum.

**In response to these opportunities, pupils can make progress in mathematics by:**

- Increasing the breadth of their mathematical experienceoving from an awareness of mathematical properties through using such information to anticipate and predict and then actively solve problems
- Developing the ability to form mental representations of increasingly complex and detailed mathematical information
- Communicating their understanding to others with increasing clarity using mathematical information to make choices and decisions in an increasing range of contexts.

- The department tried new and innovative methods of teaching with age old lecture method. This included group discussions, paper presentation and actual classroom teaching. Students appreciated these methods.

Through these methods the students got the idea of presenting and
explaining difficult and complex concepts. They also learnt use of internet for preparing these presentations.

- The student of department attended a lecture by Ms. Nivedita Sharma of department of computers. Students learnt to make power point presentation. Students like this interdisciplinary session.

- The students of B.Sc. III/BA III have to study C-language. The students were many times taken to the computer lab and Ms. Bhavana explained the finnier points of c-language to the students.

- A trip for the students of science including students of mathematics was organized. Along with other teachers Mr. D.V. Pathania of mathematics department accompanied the students to Dehradun and Corbet National Park in India. This park was established in 1936 as Hailey National Park.

Situated in National district of Uttarakhand the park acts as a protected area for the endangered Bengal tiger of India.

A total of 488 different species of plants have been recorded in the park.

Over 586 species of resident and migratory birds have been categorised, including the crested serpent eagle, blossom-headed parakeet and the red jungle fowl. 33 species of reptiles, seven species of amphibians, seven species of fish and 36 species of dragonflies have also been recorded.

It was a great learning experience for the students through this tip. The students learnt a value of togetherness, sharing, caring and also realized that the nature has to be protected and conserved for the betterment of generations to come.
International conference in mathematical science (ICMS - 2013) was held on 8-9 March 2013 in Manali. Mr. Susheel Kumar of department of mathematics presented paper on the topic "Rayleigh Taylor Instability of Two Rating Maxwellian Superposed Fluid with Variable Magnetic Field in Porous Medium"

ABSTRACT:

The instability of the plane interface between two viscoelastic (Maxwellian) superposed fluids in porous medium in the presence of uniform rotation and variable magnetic field is considered. The magnetic field, the viscosity and the density are assumed to be exponentially varying. For stable density stratification, the system is found to be stable for disturbances of all wave numbers. The magnetic field stabilizes the potentially unstable stratification for small wave-length perturbations which are otherwise unstable. The long wave-length perturbations remain unstable and are not stabilized by magnetic field. Rotation does not affect the stability or instability, as such, of stratification.
The paper is also published in Journal “Research Journal of Science and Technology” Jan- March- 2013 (ISSN – 0975 – 4393).

Mathematics is a subject is taught in almost all the streams. In our college also maths is taught as a subject to the student of B.Sc., B.A, B.Com, B.B.A, Microbiology, Biotech, B.C.A and J.B.T. In the current session about 300 students studied Mathematics. With the introduction of smart boards, the department hopes to make teaching of Mathematics more interesting and easier to grasp.

DEPARTMENT FACULTY

Mr. V.K. Bhardwaj

Mr. D.V. Pathania

Mr. Sushil Gupta
INTRODUCTION

The ‘Ragas’ and ‘Talas’ are the main and the most important elements of Indian Classical Music. A student of Indian Classical Music learns to sing the Ragas or play them on the instruments. These Ragas and Talas are presented in a concert of Indian Classical Music. The Talas are used for the accompaniment or in a solo performance on the Tabla or Pakhawaj. Every Raga has a particular Thaat, Notes, Jati, Vaadi, Samvaadi, Aaroh, Avroh, Pakar and even a set time as to when it should be sung or played.

Each and every student of BA-I, II and III Music will be assigned to work on a project where the student will perform an interrogative study of the Ragas and Talas of the Indian Classical Music. The study of the Ragas and Talas will be confined to the course of BA I, II and III. The students of each class will be assigned the following set of Ragas and Talas:

- **RAGAS**
  - **BA I:**
    - YAMAN
    - KHAMAJ
  - **BA II:**
    - MALKAUNS
    - BHIMPALASI
    - BIHAG
    - KEDAR
    - JAUNPURI
    - DES
  - **BA III:**
    - DARBARI KANHADA
    - MIYAN Ki MALHAR
    - PURIYA
    - JAIJAIVANTI
    - BAGESHARI
    - BAHAR

The following points will be explained in a particular Raga:

- The “Thaat” of the Raga.
- The notes used in the Raga.
- The “Jati” of the Raga.
- The “Vaadi” note of the Raga.
The “Samvaadi” note of the Raga.

The time of the Raga.

The “Aaroh” of the Raga.

The “Avroh” of the Raga.

The “Pakad” of the Raga.

The specialization of the Raga.

The Raga of similar character (if any).

The notation of one Raga (Maseetkhani and Razakhani) with at least four “Toras” will be explained in the Bhatkhande notation system.

TALAS

BA I:

- TEEN TAAL
- DADRA

BA II

- ROOPAK
- TEEVRA
- JHAPTAAL
- TILWARA
- TAAL DHAMAR
- SOOLTAAL

BA III

- DEEPCANDHI
- PUNJABI TEEN TAAL
- JATTAAL

- JHUMRA
- ADA CHAAR TAAL

The following points will be explained while writing about a particular Tala:

- The total beats of the Tala.
- The “Bols” of the Tala.
- The “Taali” and “Khali” of the Tala.
- The Talas of similar nature or character (if any).
- The different parts of the Tala.
- The “Thah”, “Dugun”, “Tigun” and “Chougun” layakari of the Tala
- The use of the Tala.

DEPARTMENT FACULTY

Mr. R.K. Singh
ACTIVITIES

The sports activities started with internship in basketball during September 2012. INS Vikas was the champion in internship. The team for inter college was selected and the team participated in inter college championship.

At G.C. Sarkaghat, Ms. Rashel Kanwal was selected to represent H.P university in the inter university championship. The internship badminton and table tennis was conducted during October/November 2012. INS Himmat won the badminton championship whereas INS Vikas won the table tennis competition. The teams in both games were selected.

The table tennis team participated in the inter college RKMV shimla where the team secured third place and Ms. Aishwarye Mehta was selected to represent HP University in inter university championship badminton team participated in intercollege at Govt. college, Kotshera Shimla.

During 2012, Mr. Ajay Sud associate Professor Physical Education participated in FIBA-ASIA Basketball meetings at Kuala Lumpur, Malaysia in capacity of Secretary General, Basketball Federation of India during October and December. We were nominated to the FIBA-ASIA Women Committee as member to solve problems faced by women players of the region. In his capacity as secretary general, he was conducted national, international championships in India.
Ms. Rasheal Kanwal who is also a skier has won a silver medal in national competitions. She was honored by the state government during Independence Day Celebration.

DEPARTMENT FACULTY

Mr. Ajay Sud
Himachal Pradesh University has introduced Computational Physics in undergraduate curricula since 2007, with an aim to expose students to numerical methods having an interface with the physics problems. This is scattered in all the three years as part of theory and laboratory work, in B.Sc. curricula, where Operating System, FORTRAN, Spreadsheets, and Latex have been introduced.

In the session 2012-13, the opportunities offered by Information and Communication Technology were used to provide both teachers and learners enabling environment.

Traditional “Chalk and Talk” method is well suited to mathematical material. Along with the traditional teaching methodology the following activities were conducted by Physics Department.

B.Sc. I

- A power point presentation was given to B.Sc. I students to have Hands on exposure to computers for mastering elements of FORTRAN language.

- A lecture on “How to make a Power Point Presentation” for a specific topic was given to B.Sc. I students.

- B.Sc. I students were divided into six different groups. Each group gave a power point presentation on “Computer Organization”. Among these groups, the best presentation was also judged on the basis of profundness of the
material, the way it was put up, clarity and confidence.

- A quiz on basic knowledge of computers was conducted for B.Sc. I students using Student’s Response System or Clickers.

B.Sc. II

Students find it difficult to relate to the physics content, concept and phenomenon behind the multiple representations. To overcome this barrier of the interpretation of multiple representations/ graphical questions, a powerful and attractive charting and analysis tool of Microsoft Excels’ spreadsheet can be used. With the help of these spreadsheet presentations students could visualize and appreciate how graphs are produced from the relationship between different variables and appreciate the things better than they can by taking in a lecture or reading a text. For this

- A lecture on “How to develop Spread sheets” for specific physics problems was given to B.Sc. II.
B.Sc. II students developed *Spread sheets* for some physics problems.

A power point presentation on *Word processing: Documentation forming using LaTeX* was given to B.Sc. II students. Which provided them with the knowledge of basic structure and layout of scientific documents such as:

- Articles
- Reports
- Letters
- Thesis
- Books.

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**B.Sc. III**

B.Sc. III students were given power point presentations on working of Amplifiers and Particle Accelerators as well as Quark Model of elementary particles.

Students were divided into four different groups. They gave power point presentations explaining working and uses of following topics which was followed by a quiz.

- *Introduction to Nanotechnology*

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- *Logic Gates*
Van de Graff Generator

Cyclotron

Along with all these activities, an educational trip was also organized, to the Aryabhatta Research Institute of observational Sciences, Nainital for Physics Students.
INTRODUCTION

The Political Science Department conducted two main activities beyond the classroom during the 2012 academic session, both aimed at enriching the perception of students about India’s colonial past as well as awakening them to the wealth of Himachal’s cultural traditions. The Political Science Department collaborated with students of the History Department for this as a number of them read both the subjects and was equally interested in both domains.

The students were exposed to the grand colonial architecture and sylvan environs of the Indian Institute of Advanced Studies (the erstwhile Viceregal Lodge) and then given a guided tour inside this historic building. It brought home to many of them the political significance of the Simla Conference which had been held within these hallowed portals and gave them a strong sense of modern India’s political history.

The next activity was a visit to the Himachal State Museum, Chaura Maidan. Browsing the galleries of this institution was again an eye-opener for both History and Political Science students as the periods, photographs and artifacts showcased here ranged from the very ancient to the modern. Again, the purpose of the activity was to facilitate thinking beyond the pages of textbooks and set academic facts within their different contexts.
These activities were aside from the regular Presentations and Group Discussions planned out and conducted within the classroom. Students of Political Science also attended a presentation on Tibet, made by the third year Tibetan students of the college. A film on Partition was also screened in the Seminar Room for the combined English Honours and Political Science students. Such activities went a long way in expanding the scope of study for the students in general.

**DEPARTMENT FACULTY**

![Ms. Madhu Parmar](image)
INTRODUCTION

The major landmarks achieved by the Department of Psychology during 2012 to 2013 are listed under the following subheads:

❖ **ACHIEVEMENTS BY STUDENTS**

The results of annual examination results of the students of B.A to B.A were outstanding with more than 36.4% of the students earning a distinction in Psychology and 66.12% earning a 1st Division in Psychology. Students of Psychology were also on the University merit list.

❖ **CLASSROOM SEMINARS**

The students participated in classroom seminars and discussions pertaining to the syllabus and presented research papers in relevant topics like:

❖ Attitude formation and its effects on living
❖ Psychology and its importance to mankind
❖ Schizophrenia
❖ Methods used in Psychology
❖ Prosocial Behaviour and Altruism
❖ Motivation
❖ Memory and forgetting
❖ Depressive disorders

❖ **PARTICIPATION BY STUDENTS IN AN INTERNATIONAL SEMINAR**

Research papers were accepted for presentation by students of the Department in a peer reviewed 1st International Conference in Psychology organized by Indian Association for Health Research and Welfare, [www.iahrw.com](http://www.iahrw.com), University of Hissar.

❖ **RESEARCH PUBLICATION BY STUDENTS**

Research papers by three students were also published in the issue of Health and Wellbeing which has a high impact factor of .5.

Thus students learned as well as contributed immensely to their personal growth as well as the overall development of the Department.
CONTRIBUTION BY FACULTY MEMBERS

DR. SHONALI SUD
ASSOCIATE PROFESSOR & HEAD

(A) Teaching: Classes taught
B.A. I and B.A 11, B.A 111 and BBA 2nd Semester

- B.A. I Outstanding results by students, out of a total of 54 students in B.A 1 (taught solely by Dr. Shonali Sud) 21/54 students obtained distinction, 43/54 had a first division and 7/54 obtained a second division.

B.A. II (Which was shared with Dr. Ravi Bhushan) out of a total of 51 students 9/51 obtained a distinction, 21/51 a first division and 15/51 a second division.

B.A. III (Which was shared with Dr. Ravi Bhushan) out of a total of 16 students, 14/16 had a distinction and all 16 had a first division.

- Students were encouraged to undertake research initiatives in the form of both classroom presentations as well as presentation along with me with other Universities

- Students were taught to write and publish their research papers in the peer reviewed ‘Journal of Health and Wellbeing’ with a high impact factor of .5.

- All courses completed on time and the results obtained by the students vouch for that.

(B) Research

- Published three research papers in the journal of Health and Well Being which has a high impact factor of .5.

- Presented five research papers in International and one in a National meet held in India and abroad, three in the 1st Online International conference organized by the Association of Health Research and Welfare, Hisar.

- Invited to present a research paper as a resource person in the Indian Institute of Advanced Study (IIAS), Rashtrapati Nivas, Shimla in 2012, research paper thereafter accepted for
publication the book edited by IIAS (in Print).

- Presented a research paper in the International WAPR (World Association for Psychosocial Rehabilitation) conference held in Milan, Italy in November 2012, earned an impact point of 7 on the basis of presentation (oral presentation).

(C) Other Achievements

- Invited to deliver talks on relevant issues in Psychology and life on All India Radio (AIR), received feedback by the general public in the form of talks highly appreciated.
- Appointed to conduct the final practical examination for ICSE board in Auckland House School, Shimla.

- Appointed as paper setter for the undergraduate examination conducted by Himachal Pradesh University, Summer Hill Shimla.
- Appointed as an academic counselor for the students of the College by the Principal.
- Evaluated the University undergraduate answer sheets for Psychology.
- Conducted practical and Viva-voce examinations for the undergraduate students of Psychology of the College.
- Learnt how to use the interactive board and thereafter taken a class with the help of the board.

(D) Contribution towards the College

- Produced outstanding results
- Edited and published from St. Bede’s College, the next volume of the peer reviewed International Journal entitled: Journal of Research: The Bede Athenaeum.
A growing number of students are showing an eagerness for research.

Organized department assembly and motivated students to develop the art of public speaking as well as organizational skills.

Added the latest books as well as research journals for the benefit of students to the College library.

**DR. RAVI BHUSHAN**

**ASSOCIATE PROFESSOR**

Presented a paper on ‘Thinking Straight about Quality: Teachers’ Role’ at the National Seminar on Role of Teachers in Quality Higher Education. HPU (October 5, 2012).


Conducted PPP & Interactive Session on ‘Adolescent Issues and Management’ in the Teachers Training Program. SCERT, Solan (March 14, 2013).

Shared academic practices of Psychology Department in an interactive session with Dr Aarti Srivastava of the National University of Education, Planning & Administration. St. Bede’s College (September 12, 2012).

‘Make a Difference’ the Psychology Exhibition, first ever of its kind, was organized in the College Auditorium. Visitors were informed about the various Psychological Tests and Psychological Equipments utilized in psychological measurements. They were also provided an opportunity to take practice trials. The Exhibition was enthusiastically received as shown by the many testimonials provided by visitors. College Auditorium (December 12, 2012).

Motivated BA III students of Psychology to organize
Department Assembly on the theme of ‘Success’. It was adjudged as the Best Assembly so far by the Principal. (September 12, 2012).

- Attended a demonstration on the use of Interactive Board in teaching-learning practices. Computer Lab, St. Bede’s (September 28, 2012).

- Several students were counseled on personal and career issues ranging from coping with grief (father's demise), fear of statistics, career in clinical psychology, etc.

- Sought out e-resources on Psychology that were available online and prepared a list of the same that was provided to the College Library. (March 3, 2013).

- Conducted HPU Practical Examinations (UG) for various classes.

- Paper Setting work for various UG & PG courses of HPU and HPKVV, Palampur.

- Performed Evaluation Duty for Annual Examination conducted by HPU.

DEPARTMENT FACULTY

Dr. Shonali Sood

Dr. Ravi Bhushan
ACTIVITIES

Power Point Presentation was given by students on emerging science:

- Cancer
- Recombinant DNA technology
- Cloning
- Vermicomposting
- Evolution

Effect of these presentations on students:

- Develops Critical thinking
- Builds self confidence
- Complicated material more manageable
Through these topics students got acquainted with:

**Cancer**

**Local effects**

Local symptoms may occur due to the mass of the tumor or its ulceration.

- Lung cancer
- Colorectal cancer
- Masses of breast or testicles may be easily felt.
- Localized pain may occur in advanced cancer, the initial swelling is usually painless.

**Systemic symptoms**

General symptoms occur due to distant effects of the cancer that are not related to direct or metastatic spread. These may include:

- Unintentional weight loss
- Fever, being
- Excessively tired
- Changes to the skin
- Cancers of the liver or kidney can cause a persistent fever of unknown origin.

**Metastasis**

Symptoms of metastasis are due to the spread of cancer to other locations in the body. They can include enlarged lymph nodes, hepatomegaly (enlarged liver) or splenomegaly (enlarged spleen).

**Recombinant DNA technology**

- **Recombinant DNA (rDNA)** molecules are DNA sequences that result from the use of laboratory methods (molecular cloning) to bring together genetic material from multiple sources, creating sequences that would not otherwise be found in biological organisms.
- Recombinant DNA is possible because DNA molecules from
all organisms share the same chemical structure; they differ only in the sequence of nucleotides within that identical overall structure.

- Recombinant DNA is widely used in biotechnology, medicine and research. Today, recombinant proteins are found in essentially every western pharmacy, doctor's or veterinarian's office, medical testing laboratory, and biological research laboratory.

**Cloning**

**Cloning** is the process of producing similar populations of genetically identical individuals that occurs in nature when organisms such as bacteria, insects or plants reproduce asexually. Cloning in biotechnology refers to processes used to create copies of DNA fragments (molecular cloning), cells (cell cloning), or organisms.

The modern cloning techniques involving nuclear transfer have been successfully performed on several species. Notable experiments include:

- One more feather is added to the National Dairy Research Institute, Karnal cap on 18th March, 2013 when a male cloned buffalo calf named 'SWARN' produced through the new and advanced 'Hand-guided Cloning Technique'.
- Rhesus Monkey: Tetra (January 2000) from embryo splitting
- Gaur: (2001) was the first endangered species cloned.
- Cattle: Alpha and Beta (males, 2001) and (2005) Brazil
- Mule: Idaho Gem, a john mule born 4 May 2003, was the first horse-family clone.
- Horse: Prometea, a Haflinger female born 28 May 2003, was the first horse clone.
Dog: Snuppy, a male Afghan hound was the first cloned dog (2005).

Wolf: Snuwolf and Snuwolffy, the first two cloned female wolves (2005).

Water Buffalo: Samrupa was the first cloned water buffalo. It was born on February 6, 2009, at India's Karnal National Diary Research Institute but died five days later due to lung infection.

Pyrenean Ibex (2009) was the first "extinct" animal (while the species is not extinct, nor even endangered, no living examples of the Pyrenean subspecies had been known since 2000) to be cloned back to life; the clone lived for seven minutes before dying of lung defects.

Camel: (2009) Injaz, is the first cloned camel.

Pashmina goat: (2012) Noori, is the first cloned pashmina goat. Scientists at the faculty of veterinary sciences and animal husbandry of Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir successfully cloned the first Pashmina goat (Noori) using the advanced reproductive techniques under the leadership of Riaz Ahmad Shah

Evolution

Evolution is the change in the inherited characteristics of biological populations over successive generations. Evolutionary processes give rise to diversity at every level of biological organisation, including species, individual organisms and molecules such as DNA and proteins.

Human evolution refers to the evolutionary process leading up to the appearance of modern humans. While it began with the last common ancestor of all life, the topic usually covers only the evolutionary history of primates, in particular the genus Homo, and the emergence of Homo sapiens as a distinct species of hominids (or "great apes"). The study of human evolution involves many scientific disciplines, including physical anthropology, primatology, archaeology, linguistics,
Vermicomposting

- **Vermicompost** is the product or process of composting using various worms, usually red wigglers, white worms, and other earthworms to create a heterogeneous mixture of decomposing vegetable or food waste, bedding materials, and vermicast. Vermicast, also called worm castings, worm humus or worm manure, is the end-product of the breakdown of organic matter by an earthworm.[1] These castings have been shown to contain reduced levels of contaminants and a higher saturation of nutrients than do organic materials before vermicomposting.

- Containing water-soluble nutrients, vermicompost is an excellent, nutrient-rich organic fertilizer and soil conditioner. This process of producing vermicompost is called vermicomposting.
dragonflies have also been recorded.

- Jeep Safari is the most convenient way to travel within the national park.

Effect of trips on students

- The hands-on, experiential learning that occurs through travel helped students to fully understand and remember concepts, and travel opportunities motivated students to apply themselves in the classroom.

- The ability to work in a team structure, critical thinking, oral communication, and decision-making skills. Our students deserve an education that will not only provide skills in curriculum, but one that will equip them to meet the challenges of a demanding global society.
PARTICIPATION OF B.Sc. (Medical) students during 2012-13

- Ms. Neha participated in slogan and painting competition on AIDS at IGMC, Shimla

SEMINARS ATTENDED BY FACULTY:

- **Ms. Ruchi Sood**
  - Attended Orientation Programme for Academic Counselor on Feb 16-17, 2013 at IGNOU Regional Centre, Khalini.
  - Ms. Ruchi organized a guest lecture on Cyber Crime by Ms. Satwant Atwal Trivedi DGP.

- **Ms. Shweta**
  - participated in National Seminar on Biodiversity, Green Economy & Sustainable Mountain development organized by Institute of Integrated Himalayan Studies on September 22, 2012 at Himachal Pradesh University.
  - presented a poster presentation entitled “Distribution of species (Lepidoptera: Noctuidae) in Himachal Pradesh” in 1st Annual National Conference on Science: Emerging Scenario & Future Challenges organized by Him Science
CONCLUSION

- Power Point Presentation given by students on emerging science helped them to develop critical thinking, self confidence and most importantly the awareness about the topics other than their curriculum.

- Experiential learning that occurs through field trips helped students to fully understand and remember concepts as students not only deserves an education that provided them skills in curriculum, but one that equips them to meet the challenges of a demanding global society which is need of the hour.

DEPARTMENT FACULTY

Ms. Ruchi Sood

Ms. Shweta
COMPILED BY:

MS. NEHA WALIA

MS. PRIYANKA RANA

MR. VIKESH KUMAR
E-PERIODICAL 2012-2013