From the Principal's Desk ...

Challenge of Life: Ways and Means to Tackle It

Life is the most intriguing yet the dearest possession for humans. We all find meaning, purpose, satisfaction and peace as we move ahead in our individual journeys from birth till death. All of us experience the mysteries and puzzles of the 'game of life' that mark the milestones of awareness in us. This is termed in common parlance as the Challenge of Life.

We, at KVA DAV College for Women, Karnal, are committed to equip our students with skills that help them not only to tackle the challenges posed by life but also to contribute effectively to the larger wellbeing of society. We do not run the institution merely as a dispersal tool for conventional university degree programmes. Rather, we incorporate values, proficiencies and discipline amid a safe and secure environment. By using advanced teaching methodologies and use of e-tools, we endeavour to make our students find their own niche. Our students join us as soft clay and we provide them with every opportunity to mould them into strong and exquisite humans. Our focus lies on helping the young girls to identify their strengths and learn the ability to make right choices.

We offer a vast array of traditional courses like B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., alongwith specially designed skill-based programmes like B.Voc. Fashion Designing, Food Processing, etc. It is a matter of pride for us that our students secure merit positions in the university exams every year. The session 2018-19, in particular, saw multiple merit positions being grabbed by our girls. We are leaders in sports too and hold the distinction of securing medals in many championships and individual categories (volleyball- silver medal, fencing – gold medal at international levels). Our campus placements are one of the best in the region. Many of our students have joined companies like Infosys. We also organise a plethora of creative events like Fashion Show, which prepares the future designers to meet global standards.

*Our annual college magazine "**Echoes**" is a mirror that reflects our efforts. It is a platform where the creative abilities find expression and the curricular as well as co-curricular achievements are shared via a pictorial display. A lot of effort goes behind the compilation of the magazine. I take this opportunity to congratulate the team of editors and all those who have contributed to it in however small measures.*

I also wish good luck to all the students for every little effort that they shall put in to shape their lives. Remember, that life is a bumpy ride and education gives us the confidence to cross every hurdle that comes our way. Patience, dedication, diligence and determination are the four arrows in our bow that help us hit the target in the bull's eye. Our Vedic culture too is an indispensable tool that enriches our character. My word of advice to the young girls: never let the challenges of life bother you. Instead, assimilate as much skill as you can that shall be your armour in the hour of need.

Wishing that you may shine and sparkle wherever you go!

With blessings and love !

Sujata Gupta
Principal (Offg.)
KVA DAV College for Women, Karnal

आर्य समाज के नियम

- सब सत्य विद्या आदि और जो पदार्थ विद्या से जाने जाते हैं उन सबका आदि मूल परमेश्वर है।
- ईश्वर सच्चिदानन्द–स्वरूप, निराकार, सर्वशक्तिमान, न्यायकारी, दयालु, अजन्मा, निर्विकार, अनादि, अनुपम, सर्वाधार, सर्वेश्वर, सर्वव्यापक, सर्वान्तर्यामी, अजर, अमर, अभय, नित्य, पवित्र और सृष्टिकर्त्ता है। उसी की उपासना करने योग्य है।
- वेद सब सत्य विद्याओं की पुस्तक है। वेद का पढ़ना–पढ़ाना, सुनना–सुनाना सब आर्यों का परम धर्म है।
- सत्य को ग्रहण करने और असत्य को छोड़ने में सर्वदा उद्यत रहना चाहिए।
- सब काम धर्मानुसार अर्थात् सत्य और असत्य का विचार करने के पश्चात् करने चाहिए।
- संसार का उपकार करना इस समाज का मुख्य उद्देश्य है अर्थात् शारीररिक, आत्मिक और सामाजिक उन्नति करना।
- सबसे प्रीतिपूर्वक, धर्मानुसार, यथायोग्य वर्तना चाहिए।
- अविद्या का नाश और विद्या की वृद्धि करनी चाहिए।
- प्रत्येक को अपनी उन्नति में संतुष्ट नहीं रहना चाहिए, किन्तु सबकी उन्नति में अपनी उन्नति समझनी चाहिए।
- सब मनुष्यों को सामाजिक सर्व–हितकारी नियम पालने में परतन्त्र रहना चाहिए। प्रत्येक हितकारी नियम में सब स्वतन्त्र रहें।

नोट : इस महाविद्यालय की प्रत्येक छात्रा आर्य युवा समाज की सदस्या है।

Editorial Board

From Chief Editor's Desk...

Education is a key to the door of all dreams

Dr. Manju Singh
Editor-in-Chief
Associate Professor
Dept. of Chemistry

Dear Students

Greetings !

Every year, I teach wonderful students. Some inspire me to be better, while others teach me lessons of life I never realized I needed to learn. Some students challenge me, while others truly test my patience. Every student is different in having ability to learn and grow to heights and able to build ……Career. However, with each passing year, I realized that all of them have something in common i.e. ***"Potential".***

It makes me really concerned that positive attitude and hard work for achieving goal is diminishing year by year. Success comes to those who work hard and stays with those, who don't rest on the laurels of the past. All of you must learn the importance of education in our lives. Education empowers our minds that enable us to conceive good thoughts and ideas. Education enables us to do the analysis while making life decisions. Life gives us various survival challenges, but education guides us to fight with the failure and get success in life.

Education is not about making people literate, literacy is entirely different from education. Literacy is meant for ability to read and write, whereas education is finding out the reason behind everything and using the reading and writing skills to improve the lives. It helps the nation to grow economically and cherish with prosperity, especially women can play a vital role in nation's development.

Education provides us wide range of knowledge such as art, history, sports, mathematics, literature and various other fields. Education is basic building blocks of success, bright career and better quality of life.

"Education is what remains after one has forgotten what one has learned in school."

– Albert Einstein

Co-Editors

Greetings !!!

The Editorial team of the college proudly presents its unique creation in the form of the Annual Magazine 'ECHOES' every year which serves as a platform to highlight the literary and artistic segment of the KVA DAV family. It is a matter of great privilege for me to be a part of this team. Our college provides an excellent platform to every student to develop their unique skills. The main thrust of the college has been to achieve human excellence, to shape the personality of students and instil in them the moral values. It has always endeavoured to provide the best to all students through a myriad of extracurricular and co-curricular activities, so as to enable them to achieve excellence in every field of life. The contents of this magazine not only mirror the creative talents of the contributors but also their analytical thinking and forms a bridge between flowing thoughts and artistic magnification.

"ECHOES" reflects how the college has been able to live up to its aim. As you scan through the pages it will give you glimpses of the important milestones that the college has achieved in the session 2018-19 along with the creativity, exuberance and talent that our students are so richly endowed with.

Happy Reading…….

Ms. Kanwaljeet Virdi
Co-Editor
Assistant Professor
Dept. of Geography

"All our dreams can come true, if we have the courage to pursue them."

- Walt Disney (American Filmmaker)

Dear Readers

Creativity makes life infinitely interesting and fulfilling. It is a way of living life that embraces originality and makes unique connections between seemingly disparate ideas; as a journey into seeing and communicating the extra-ordinariness of the simplest. Creativity is important in everyday life. Human beings are essentially born creative… the most creative people find ways around obstacles because they see them not just as roadblocks but also as opportunities. Creativity, in reality, expands our perceptions and horizons.

Dear students believe in your vision and purpose. Pursue 'out of the box thinking'. Be innovators and inventors and one day you will be able to achieve your goals.

This edition of our college Magazine- ECHOES brings forth the wide spectrum of activities and events from teaching and learning to talent acquisition, from outstanding academics to bringing laurels in sports and furthermore, excelling in curricular and co-curricular activities. Get inspired and be a part of it.

God bless !

Dr. Deepti Sharma
Co-Editor
Assistant Professor
Dept. of English

Faculty Achievements

Champions keep playing until they get it right. –Billie Jean King

Principal's Achievements

Participated and delivered a presentation in the Orientation Programme on **"Management of Skill Development in Higher Education"** *organized by Department of Educational Administration, National Institute of Educational Planning and Administration (NIEPA), from December 03 to 07, 2018, New Delhi*

Honoured by Kurukshetra University Sports Council on Annual Prize Distribution Funcion of Games and Sports held at KUK on May 31, 2019

Live on MY FM

In a meeting with Hon'ble Vice Chancellor, KUK

Success is assured when a person fears the pain of regret more than the pain of the process. –Orrain Woodward

Personal Achievements of the Staff (Session 2018-19)

DEPARTMENT OF ENGLISH

HUMANITIES BLOCK

Dr. Deepti Sharma, Assistant Professor

- Presented a Research Paper entitled "Gandhian Satyagraha: A Challenge to Contemporary Society & Education System" in the National Seminar on 'Gandhian Values in the 21st Century: Contemporary Trends and Challenges (GVCTC-2018)' organised by the Department of Humanities and Social Sciences, National Institute of Technology, Kurukshetra, dated September 29, 2018.
- Presented a Research Paper entitled "Reshaping Language, Literature and Culture: Corollaries of Globalization" in the DHE sponsored National Seminar on 'Teaching English Language in India: Challenges and Solutions' organised by the English Department of Arya Kanya Mahavidyalya, Shahbad Markanda, dated October 20, 2018.
- Presented a Research Paper entitled "Substantial Cultural and Historical Land of the Corrowa People: Nicole Watson's *The Boundary*" in the International Conference on 'Multicultural Present and Political Identities: Australia and India' organised by the UGC Centre for Australian and New Zealand Studies, Himachal Pradesh University, Shimla, dated October 25-26, 2018.
- Presented a Research Paper entitled "Subramania Bharati: Poet's Glorification of Motherland" in the DHE sponsored International Seminar on 'Poets of the Freedom Movement (PFM-2018)' organised by the Department of English, Hindu Girls College, Jagadhari, dated December 14-15, 2018.
- Presented a Research Paper entitled "'Weird Sisters' in Shakespeare's *Macbeth*: A Gender Perspective" in the DHE sponsored International Seminar on 'Shakespeare's Women, Glowing or Dwindling : A Gender Perspective' organised by the Department of English, KVA DAV College for Women, Karnal, dated January 18-19, 2019 and also Chaired a Parallel Session. She was the Organising Secretary of the Seminar.
- Member of the Editorial Board of Notions (Peer Reviewed and Indexed International Journal of English Literature), ISSN: (P) 0976-5247, (e) 2395-7239; IF: 3.9531 & KAAV International Journal of English and Linguistics (online). ISSN: (e) 2349-4921, IF 6.9071.
- Life Member of:
  - The Shakespeare Association, India
  - International Association for the Study of Australia, India

Dr. Anju Narwal, Assistant Professor

- Presented a Research Paper entitled "English as a Second Language in a Global World" in the DHE sponsored National Seminar on 'Teaching English Language in India: Challenges and Solutions' organised by the English Department of Arya Kanya Mahavidyalya, Shahbad Markanda, dated October 20, 2018.
- Presented a Research Paper entitled "Eulogising Womanhood: A Study of *The Merchant of Venice*" in the DHE sponsored International Seminar on 'Shakespeare's Women, Glowing or Dwindling: A Gender Perspective' organised by the Department of English, KVA DAV College for Women, Karnal, dated January 18-19, 2019 and also Chaired a Parallel Session. She was the Co-coordinator of the Seminar.
- Presented a Research Paper entitled "Peregrination of Culture through Language" in the International Conference on 'Rewriting Methodology: Media and Teaching of English in Modern Culture and Society' organised by the English Department of Hans Raj Mahila Maha Vidya Mahavidyalya, Jalandhar (Punjab), dated April 20, 2019.
- Awarded Ph.D. Degree from Bhagat Phool Singh Visvavidhayala, Khanpur Kalan Sonipat.

Ms. Isha, Assistant Professor

- Presented a research paper "Road Safety in India: A Challenge for the Whole Country" in National Seminar "Challenges in Road Safety" organized by the Road Safety Club of Govt. College for Women, Karnal under the patronage of DHE Haryana and sponsored by Transport Commissioner, Haryana on October 13, 2018.
- Presented a research paper "Importance of Grammar in English Language Teaching" in DHE sponsored National Seminar "Teaching English Language in India: Challenges and Solutions" organized by English Department, Arya Kanya Mahavidyalaya on October 20, 2018.
- Presented a research paper "Transforming India through Public Policy and Good Governance" in DHE sponsored International Seminar "Role of Public Policy and Good Governance in Transforming India" organized by Chhotu Ram Kisan (PG) College on November 02 and 03, 2018.
- Published a research paper "From Fear Set Free: A Brief Study of the Intricacies of Love, Marriage and Man-Woman Relationship" in Literary Herald: An International Refereed/Peer-reviewed English e-Journal, vol.4, issue 4, December, 2018.
- Presented a research paper "Demystifying the Feminine: A Study of William Shakespeare's Selected Plays" in DHE sponsored International Seminar "Shakespeare's Women-Glowing or Dwindling: A Gender Perspective" organized by English Department, KVA DAV College for Women, Karnal on January 18 and 19, 2019.
- Published a research paper "Autobiography of an Unknown Indian: A Critique of Contemporary Society" in International Research Journal of Humanities, Language and Literature, vol.6, issue 1, January 2019.
- Published a research paper "Reflecting the Predicament of an Indian Woman: A Brief Study of Kamala Das's *My Story"* in Vidyawarta: Peer-Reviewed International Publication, vol.3, issue 29, Jan.-Mar., 2019.

DEPARTMENT OF HINDI

डॉ. सुनीता सलारिया, सहायक प्राध्यापक

- 13–15 जनवरी, 2019 को डी.ए.वी. कॉलेज, चीका में उच्चतर शिक्षा महानिदेशालय, पंचकूला और ग्लोबल हिंदी साहित्य शोध संस्थान, आगरा के सौजन्य से आयोजित एक दिवसीय अन्तर्राष्ट्रीय संगोष्ठी में 'समकालीन हिंदी कविता में नारी विमर्श' शीर्षक शोध–पत्र प्रस्तुत किया।
- 28 जनवरी, 2019 को डी.ए.वी. स्नातकोत्तर महाविद्यालय, करनाल में ग्लोबल हिंद साहित्य शोध संस्थान, भारत और हरियाणा ग्रन्थ अकादमी, पंचकूला के संयुक्त तत्त्वावधान में आयोजित एकदिवसीय अन्तर्राष्ट्रीय संगोष्ठी में 'सूचना प्रौद्योगिकी और हिंदी' शीर्षक शोधपत्र प्रस्तुत किया।
- कुरूक्षेत्र विश्वविद्यालय, कुरूक्षेत्र के 'संकाय विकास केंद्र' (Faculty Development Centre) द्वारा आयोजित साप्ताहिक 'क्षमता निर्माण कार्यक्रम' (Capacity Building Programme) में भाग लिया।

DEPARTMENT OF PUNJABI

Ms. Satvinder Kaur, Assistant Professor

- Presented a Research paper titled 'Guru Nanak Vani : Contemporary Relevance ' in a National Seminar organized by Dayanand Mahila Mahavidyalaya, Kurukshetra sponsored by Haryana Punjabi Sahitya Academy, Panchkula on March 29, 2019.

DEPARTMENT OF HISTORY

Ms. Jyoti Khanduja, Associate Professor

- Presented a paper on the topic 'Bhagat Singh and His Ideology' in DGHE sponsored National Seminar on *Revisiting Bhagat Singh and His Times* organized by B. P. Ram College, Kurukshetra on February 20, 2019.

Dr. Renu Baliyan, Assistant Professor

- Attended a Short-Term Course on *Gender Sensitization* organized by the HRDC, Panjab University, Chandigarh from December 18 to 24, 2018.
- Presented a paper in three days International Conference on the topic 'Environmental Concerns in Sri Guru Granth Sahib' in South Asian History Conference organized by Department of History, Panjabi University, Patiala (Punjab) from February 01 to 03, 2019.
- Presented a paper on the topic 'Bhagat Singh: The Man in the eyes of his Comrades' in DGHE sponsored National Seminar on *Revisiting Bhagat Singh and His Times* organized by B. P. Ram College, Kurukshetra on February 20, 2019.
- Presented a paper on the topic 'Gandhi's views on Ecology and Environment' in the UGC sponsored two days International Conference on '150th Years of Mahatma Gandhi' organized by Department of History, K.U.K. on February 07 and 08, 2019.

DEPARTMENT OF POLITICAL SCIENCE

Ms. Anuradha Nagia, Assistant Professor

- Submitted Ph.D. thesis on the topic **"Regionalization of Politics in India: A Study of UPA Government 2004-2014"** on January 16, 2019 at Kurukshetra University, Kurukshetra.
- Published a Research Paper titled **"Process of Regionalisation of Politics in India: An Overview"** in International Research Journal "Review of Research" ISSN NO: 2249-894X, September-2018, Issue-12, pp-9-17, Impact Factor -5.7631. Vol.7.
- Presented a Research Paper titled **"Competitive vs. Cooperative Federalism"** in International Conference on the topic "Aspiring India" organised by Indian Political Science Association (IPSA) and Department of Political Science at Chaudhary Charan Singh University, Meerut, on December 29 and 30, 2018.
- Presented a Research Paper titled **"Federalism and Its New Dimensions"** in DGHE sponsored two days National Seminar on topic "Federalism and Indian Politics" organised by Department of Political Science at DAV College, Pehowa on February 15 and 16, 2019.
- Presented a Research Paper titled **"Participation of Women in Panchayati Raj"** in DGHE Sponsored One day National Level Seminar on the topic "Panchayati Raj and Women Empowerment in India" organised by Department of Political Science at DAV PG College, Karnal on March 09, 2019.

DEPARTMENT OF PHYSICAL EDUCATION

Dr. Suman, Assistant Professor

- Presented Paper in 'National Seminar on Sports for Development & Sports' organised by Office of Director Sports, Deenbandhu Chhotu Ram University of Science and Technology Murthal, Sonipat, Haryana on April 06, 2019 on the topic: "Sports as a Rescuer for Poor People".
- Honoured by Kurukshetra University Sports Council (KUSC) on Annual Prize Distribution Function of Games and Sports 2018-19 held at KUK on May 31, 2019 for contribution in winning teams of University at All India Level.

Opportunities don't happen, we create them. –Chris Grosser

DEPARTMENT OF MUSIC

Dr. Swati Sharma, Assistant Professor

- Presented a paper on the topic : 'श्रीमद्भगवद्गीता में सांगीतिक सामंजस्य का अभाव' in International Seminar on Making New India : Insights from Bhagavad-Gita December 13 to 15, 2018 organized by Department of Tourism and Hotel Management, Commerce, Sanskrit, Pali and Prakrit, Philosophy and University School of Management Kurukshetra University, Kurukshetra.
- Presented a paper on the topic : 'संगीतकारों का समाज पर प्रभाव' in D.H.E. sponsored National Seminar on 'सामाजिक समरसता के प्रसार में ललित कलाओं का योगदान' on January 19, 2019, organized by M.D.S.D. Girls College, Ambala City.
- Presented a paper on the topic : 'वाहनों के लिए सड़क सुरक्षा नियम' in DHE and Transport Department, Haryana sponsored National Seminar on 'Youth and Road Safety on January 19, 2019 organized by M.D.S.D. Girls College, Ambala City.
- Attended One Week Capacity Building Programme on 'Pedagogy: Transaction and Assessment from March 25 to 30, 2019 organized by Faculty Development Centre, Kurukshetra University, Kurukshtetra.

DEPARTMENT OF GEOGRAPHY

Ms. Kanwaljeet Virdi, Assistant Professor

- Presented a paper on **"Women's Decision Making Autonomy in Accessing Maternal Health Care: A Study of Rural Rajasthan"**, at the 4th Asian Population Association Conference held at **Shanghai University, Shanghai, China** from July 11 to 14, 2018.
- Participated in a Short Term Course on **"MOOCs, e-content Development and Open Educational Resources"**, from March 18 to 23, 2019 at HRDC, Jawaharlal Nehru University, New Delhi.
- Participated in **21 Days Summer School in Geospatial Technologies** sponsored by DST-NRDMS conducted by Kurukshetra University, Kurukshetra, Haryana from May 27 to June 16, 2019.

DEPARTMENT OF HOME SCIENCE

Ms. Lakhwinder Kaur, HOD, Assistant Professor

- Acted as judge in District Level Rangoli Competition organised by District Child Welfare Association on October 17, 2018.
- Organised Jashn -e- Diwali on October 03, 2019 and Bellza…Rock the Floor on March 28, 2019.
- Organised College Level Rangoli and Painting competition on August 24, 2018 and State Level Rangoli Competition on October 04, 2018 and State Level Rangoli, Embroidery, Fabric Painting and Waste-o-Mania Competition on March 16, 2019.
- Organised Industrial Visit to Weavers Service Centre Panipat on September 25 and 26, 2018. Gayatri Khadi, Karnal on October 01, 2018 and Industrial and Recreational visit to Ludhiana and Amritsar from November 01 to 03, 2018.
- Organised Fashion Marker Machine Workshop from September 14 to 17, 2018, Knitting Workshop from December 14 to 17, 2018. Workshop on Tuka–Studio from January 21 to 23, 2019. Two days Weaving Workshop on January 22 and 23, 2019, First Aid Workshop from February 19 to 28, 2019 and Rangoli and Flower Arrangement Workshop on March 14, 2019.
- Coordinator of seven courses run by the Department of Home Science in the College.

DEPARTMENT OF ECONOMICS

Dr. Punam Kundu, Assistant Professor

- Participated in One Week Short Term Course on Gender Sensitization from June 25 to 30, 2018, organised by University Grants Commission Human Resource Development Centre, Kurukshetra University, Kurukshetra.
- Presented a paper titled "Tourism Motivation to visit Kurukshetra as a Spiritual Destination: A Cross Demographic Study", in International Seminar on Making New India: Insights from Bhagavad-Gita held from December 13 to 15, 2018, organised by the Department of Tourism and Hotel Management, Commerce, Sanskrit, Pali and Prakrit, Philosophy and University School of Management Kurukshetra University, Kurukshetra.
- Presented a Paper titled "Challenges to India's Economic Growth" in One Day National Seminar on "Future of Indian Economy: Past Reforms and Challenges" on February 23, 2019 sponsored by Director General: Higher Education Haryana, organized by D.A.V. College, Cheeka (Kaithal).
- Presented a paper titled "Needs and Status of Organic Farming in Haryana" in National Seminar on "Prospects of Making Haryana a Total Organic State" on March 28, 2019, organised by the Department of Economics Kurukshetra University, Kurukshetra, sponsored by Indian Council of Social Science Research (ICSSR).

DEPARTMENT OF COMMERCE

COMMERCE BLOCK

Ms. Meetu Chawla, Assistant Professor

- Presented a Research Paper entitled "Analysis of Risk and Return Relationship of Selected Equity Scheme of Indian Mutual Funds" in a National Seminar on "Contemporary Issues in Management, Finance and Economics" organized by Department of Commerce, DAV (PG) College, Karnal on March 02, 2019.

Dr. Kamlesh, Assistant Professor

- Presented a Research Paper entitled "Clean India Campaign" in a National Seminar on "Business and Economic Issues in 21st Century" organized by SNRL Jairam Girls College (Lohar Majra), Kurukshetra, Haryana on February 26, 2019.
- Presented a Research Paper entitled "A Systematic Review of Literature on Impact of Performance of Banks on Economy" in a National Seminar on "Empowering India Through Innovations in Banking Sector" organized by S.D. College (Lahore), Ambala Cantt., Haryana on March 09, 2019.

Ms. Jasmeen Jodhka, Assistant Professor

- Published Paper in European Journal of Business & Social Sciences on the topic "Situation of Micro Finance in Karnal District" in January, 2019.
- Published Paper on "Financial Institutions and Long Term Agriculture Credit", in February, 2019 in "European Journal of Business & Social Science".
- Published Paper on "Online Marketing and Consumer Protection – A General Study" in March, 2019 in the "European Journal of Business & Social Science".

The freedom to do your best means nothing unless you are willing to do your best. –Colin Powell

PERSONAL ACHIEVEMENTS

Ms. Madhu Arora, Assistant Professor

- Presented Research Paper on "Digital Marketing" in a National Seminar on "Recent Advancements in I.T." organised by Dyal Singh College, Karnal on March 30, 2019.

Ms. Purnima Kalia, Assistant Professor

- Presented Research Paper on the topic "Project Management and Its Phases" in National Seminar on 'Contemporary Issues in Management, Finance and Economics' organized by Department of Commerce, DAV (PG) College, Karnal on March 02, 2019.

Dr. Archna, Assistant Professor

- Paper Presention on the topic "Risk Management Strategies & Process" at DAV PG College, Karnal on March 02, 2019.
- Paper Published on the topic, "Situation of Agriculture Credit in India" in "European Journal of Business & Social Science". Vol 7, Issued No.- 2, February 2019.

Dr. Richa Sharma, Assistant Professor

- Awarded Ph.D. Degree by OPJS University, Churu, Rajasthan in 2018 on the topic "Consumer Perception regarding Plastic Money-Changing Dimension and its Impact".

DEPARTMENT OF CHEMISTRY

SCIENCE BLOCK

Dr. Manju Singh, HOD, Associate Professor

- Convener of the "**Inter College Science Quiz"** organized by the department on September 08, 2018.
- Invited as a **Resource Person** to deliver extension lectures to the Masters students on the topic **"Reaction Kinetics and Surface Chemistry"** by Dairy Chemistry Division, NDRI, Karnal on January 15, 2019.
- Presented poster entitled **"Minerals and their Distribution on Milk of various Indigenous species"** at **International Conference** on **"Innovations in Chemical, Biological & Environmental Sciences"** on February 27-28, 2019 sponsored by SERB, DST, New Delhi and DGHE, Haryana.
- Felicitated by the Principal, Ms. Sujata Gupta on Convocation Day i.e. March 06, 2019 for achieving **Ph.D. degree.**
- Convener of the **State Level Poster Making Competition** in "Indradhanush" held in the College premises on March16, 2019.

Ms. Rimmi, Assistant Professor

- Qualified CSIR-NET in June 2018.
- Presented poster entitled **"Rice Husk In Sustainable Development"** at **International Conference** on **"Innovations in Chemical, Biological & Environmental Sciences"** on February 27-28, 2019 sponsored by SERB, DST, New Delhi and DGHE, Haryana at Arya PG College, Panipat.
- Co-Convener of the State Level Poster Making Competition in "Indradhanush" held in the College premises on March16, 2019.

Ms. Swati, Assistant Professor

- Presented poster entitled **"Baggase: As an Alternate Source of Energy"** at **International Conference** on **"Innovations in Chemical, Biological & Environmental Sciences"** on February 27-28, 2019 sponsored by SERB, DST, New Delhi and DGHE, Haryana at Arya PG College, Panipat.
- Co-Convener of the State Level Poster Making Competition in "Indradhanush" held in the College premises on March16, 2019.

Ms. Vamakshi, Assistant Professor

- Presented poster entitled **"Baggase: As an Alternate Source of Energy"** at **International Conference** on **"Innovations in Chemical, Biological & Environmental Sciences"** on February 27-28, 2019 sponsored by SERB, DST, New Delhi and DGHE, Haryana at Arya PG College, Panipat.
- Co-Convener of the State Level Poster Making Competition in "Indradhanush" held in the College premises on March16, 2019.

Ms. Snehlata, Assistant Professor

- Qualified UGC-JRF in June 2018.
- Presented poster entitled **"Rice Husk In Sustainable Development"** at **International Conference** on **"Innovations in Chemical, Biological & Environmental Sciences"** on February 27-28, 2019 sponsored by SERB, DST, New Delhi and DGHE, Haryana at Arya PG College, Panipat.
- Co-Convener of the State Level Poster Making Competition in "Indradhanush" held in the College premises on March16, 2019.

DEPARTMENT OF COMPUTER SCIENCE

Ms. Sakshi Aneja, Assistant Professor

- Presented a Paper entitled "An Optimized Approach to Manage Energy Depletion In Routing Protocol For Low-Power and Lossy Networks (RPL)" in International Conference on Recent Trends in Computer Applications and Information Technology held on April 19-20, 2019 at MM (DU), Mullana, Ambala, Haryana.

DEPARTMENT OF ZOOLOGY

Dr. Manju Bala Sharma, HOD, Associate Professor

- Published a research article entitled '**The Species In Crisis**: ***Varanus bengalensis'*** in Research Journal, ***Species,*** Vol. 19, 2018. ISSN (2319-57460).
- Chaired a Technical Session in National Seminar on '**Environmental Changes and its Impact on Faunal Diversity in Indian Agro-Ecosystem',** held at Punjab Agriculture University, Ludhiana, November 19-20, 2018 and also presented a paper entitled '**Exotic Species: A Challenge'**.
- Participated in the National Seminar on "**Environment Protection through Innovative Ecological Practices**", held in the Department of Zoology, Guru Nanak Dev University, Amritsar, March 26, 2019.
- Convener of '**Ozone Day Celebration'** organized on September 17-18, 2018.
- Convener of **Hands-on-Training** on "**Techniques of Animal cell Culture**" organized on September 22, 2018.
- Convener of State Level Seminar on '**Green Technology for Sustainable Development'** organized on February 22, 2019.

Ms. Jyoti, Assistant Professor

- Attended a State Level Seminar on **'Green Technology for Sustainable Development'** organized on February 22, 2019 held at K.V.A D.A.V. College for Women.

Ms. Pragati, Assistant Professor

- Attended a State Level Seminar on **'Green Technology for Sustainable Development'** organized on February 22, 2019 held at K.V.A D.A.V. College for Women.
- Presented a poster entitled '**Application of Bioactive compounds to improve Human Health'** in **2nd International Conference on Chemical, Biological and Environmental Sciences** held at Arya P.G. College Panipat, February 27-28, 2019.

DEPARTMENT OF BOTANY

Dr. Ashima Gakhar, HOD, Associate Professor

- Convener during Indradhanush: Inter-College Power Point Presentation Competition organized by Department of Botany on March 16, 2019.

Dr. Nadia Chowhan, Assistant Professor

- Programme Officer of NSS Unit-I of the college.
- Became a life member of 'Indian Ecological Society'.
- Presented a paper entitled "Monoterpene β-Pinene Interferes with Mitotic Activity and Induces Chromosomal Aberrations in the Root Tip Cells of *Allium cepa*" during 13th Chandigarh Science Congress (CHASCON), a National event organized by Panjab University, Chandigarh in collaboration with Chandigarh Region Innovation and Knowledge Cluster (CRIKC) from March 13 to 15, 2019.
- Co-Convener during Indradhanush: Inter-College Power Point Presentation Competition organized by Department of Botany on March 16, 2019.
- Presented a paper entitled "Monoterpene β-Pinene Alleviates Arsenic Induced Toxicity in *Oryza sativa* Roots" during TEQIP-III sponsored 2nd International Conference on 'Sustainable Technologies for Environmental Management' (STEM-2019) organized by Department of Environmental Engineering, Delhi Technological University on March 25-26, 2019.
- Attended the Regional Students' Seminar on "Pollution Management" organized by the Department of Zoology and Biotechnology of KVA DAV College for women, Karnal on February 21, 2018.

Dr. Seema Sharma, Assistant Professor

- Organizing Secretary during Indradhanush: Inter-College Power Point Presentation Competition organized by Department of Botany on March 16, 2019.

DEPARTMENT OF MATHEMATICS

Dr. Shweta Dhawan, HOD, Assistant Professor

- Attended 21-Day Refresher Course on Information and Communication Technology from June 21, 2018 to July 11, 2018 organized by UGC- Human Resource Developement Centre, Guru Jambheshwar University of Science and Technology, Hisar.
- Awarded Ph.D. thesis entitled Some Aspects of f -statistical convergence on December 31, 2018.
- A research paper entitled Application of f-lacunary statistical convergence to approximation theorems published in journal of Inequalities and Applications (2018) 2018:281 DOI 10.1186/s13660-018-1871-z.
- A research paper entitled Density by moduli and Korovkin type approximation theorem of Boyanov and Veselinov published in Kyungpook Mathematical journal, 58(2018), 733-746.
- Elected as a member of NSS Advisory Committee, Kurukshetra University, Kurukshetra.
- Programme Officer of NSS Unit II in the college.
- Participated and presented a research paper entitled "A new concept of convergence using notion of fα-density" in a National Seminar on Emerging Trends and Innovations in Mathematics organized by PG Department of Mathematics of Mehr Chand Mahajan DAV College for Women, Chandigarh on February 09, 2019.
- Participated and presented a research paper entitled "A new sequence space defined by a modulus" in a National Seminar on Mathematical Modelling, Optimization and Scientific Computing organized by Department of Mathematics of Hindu Girls College, Sonipat in collaboration with Global Society of Mathematical and Allied Sciences on February 23, 2019.

Dr. Manju Sharma, Assistant Professor

- Delivered an invited talk on "Asymptotic-numerical method for a class of weakly coupled systems" at South Asian University, New Delhi during International Conference on Recent Developments in Theory and Computation and Application of Differential Equations from January 21-23, 2019.
- Co-authored a book on "Ordinary Differential Equations" published by Jeevansons Publications.
- Two papers are accepted for publication in SCI Indexed international journals:

  A modified graded mesh and higher order finite element approximation for singular perturbation problems, Journal of Computational Physics (2019).

  An asymptotic-numerical method for a class of weakly coupled system of singularly perturbed convection-diffusion equations, Numerical Functional Analysis and Optimization (2019).

DEPARTMENT OF PHYSICS

Ms. Meenu Sharma, Associate Professor

- Member of Board of Undergraduate Studies of Department of Physics, KUK for two years 2018-20.
- Attended meeting to recommend the names of practical examiners for UG classes and members of Complaint Committee and other items on Feburary 26, 2019.

LIBRARY

Dr. Monika Saini, Librarian

- Deputed as Subject Expert on the interview panel of Librarian for the session 2018-19 at Guru Nanak Khalsa College, Karnal dated (01-07-2018).
- Research paper titled "Availability of information technology infrastructure in the libraries of DAV colleges in Haryana" published in ZENITH International journal of multidisciplinary research, vol. 8, Issue -9, pp. 247-262, Sep. 2018. (ISSN Online 2231-5780), Impact factor (2018) - (6.479).
- Presented a paper titled "Gandhian philosophy on education & Non-violence" in one day National Seminar on "Gandhian Values in the 21st Century Contemporary Trends and Challenges (GVCTC-2018)" on Sep. 29, 2018 held at Department of Humanities & Social Science in National Institute of Technology, Kurukshetra.
- Attended Interdisciplinary Refresher Course in Information Technology organized by UGC-Human Resource Development centre at Kurukshetra University, Kurukshetra from December 13 to 22, 2018.
- Elected as Vice- President of Karnal –Panipat Zone of HCTA dated 30-1-19.
- Awarded Ph.D. degree entitled "Information Technology Application and User Satisfaction in Libraries of DAV colleges in Haryana : An Analytical Study" Department of Library Science, Punjabi University, Patiala, dated December 24, 2018.
- Presented a paper titled "Use of Information Resources and Services in Academic Libraries : A movement towards digital environment" in one day National seminar on "Role of Academic Libraries and Impact of IT on formal and Informal learning" Mar. 02, 2019 at Markanda National College, Shahabad Markanda.

अज्ञेय जी की कहानियों में जीवन मूल्य

प्रत्येक कहानी कहानीकार के जीवन के अनुभवों का प्रतिबिम्ब होती है। संक्षिप्त घटना के माध्यम से कहानी पाठक के मन में जो पीड़ा और उद्वेलन छोड़ जाती है, वह उसके मन मस्तिष्क में जीवन मूल्य बनकर अमिट हो जाते हैं। कहानीकार अज्ञेय की कहानियों में जीवन मूल्य सहजता से मिल जाते हैं। आज समाज में मानवीय, सामाजिक, चारित्रिक, नैतिक और राष्ट्रीय मूल्यों का पतन हो रहा है। अज्ञेय जी की कहानियों में सभी जीवन मूल्यों का विस्तृत चित्रण हुआ है। समाज में बढ़ते अत्याचार, चोरी, डकैती, शोषण, बलात्कार कथनी–करनी में असमानता, प्रदर्शन प्रियता आदि अनेकों बुराईयाँ व्याप्त है।

अज्ञेय जी अपनी कहानियों में गिरते जीवन मूल्यों पर चिन्तित हैं। वे अपनी लेखनी के माध्यम से समाज में जीवन मूल्यों को यथावत बनाए रखने के लिए सामान्य जनमानस, समाज और देश को झकझोरने का प्रयास करते हैं। अज्ञेय के साहित्य में मानवीय मूल्य सर्वत्र विद्यमान हैं। मनुष्य गलती करता है परन्तु जब उसे इसका अहसास होता है तो उसे सुधारना चाहता है। 'सेब और देव' कहानी में लड़का सेब चुराता है। प्रोफेसर देव (मूर्ति) चुराते है: किन्तु प्रोफेसर साहब को अपनी गलती का अहसास होता है। जब तक वे मूर्ति को वापिस मन्दिर में नहीं रखते, तब तक उन्हें चैन नहीं मिलता वे स्वयं से कहते हैं–

"इसने तो सेब ही चुराया, तुम देव स्थान लूट लाये। सहमे हुए स्तब्ध से प्रोफेसर साहब क्षणभर, खड़े रहे, फिर धीरे–धीरे उलटे पाँव गाँव की ओर चल पड़े। ...अंधेरा होते–होते वे मन्दिर में पहुंचे। किवाड़ एक ओर सरकाकर उसने मूर्ति को यथास्थान रखा।"

मनुष्य एक सामाजिक प्राणी है। समाज में रहकर अपना जीवन यापन करता हैं। सामाजिक मूल्यों के संदर्भ में व्यक्ति और समाज के संबंध में भी लेखक लिखते हैं– "अजीब प्राणी है–मानव। कौए तक को जब रोटी का टुकड़ा पड़ा हुआ दिखता है, तो वह उसे उठाने से पहले काँव–काँव करके अपनी बिरादरी को जुटा लेता है और एक मानव है कि अच्छी चीज देखकर सबसे पहले यह सोचता है कि किस–किस को इससे वंचित रख सकता हूँ या बहिष्कृत कर सकता हूँ।" अज्ञेय जी की कहानियों में कुंठा, निराशा, अतृप्ति और पलायन के चित्र परिलक्षित होते हैं जो तत्कालीन समाज की मनः स्थिति के ही परिचायक हैं।

अज्ञेय जी भारतीय संस्कृति के उपासक थे। उनकी कहानियों में बहुआयामी सांस्कृतिक मूल्य समाहित हैं जो कहीं घटनाओं के माध्यम से और कहीं पात्रों के संवादों के माध्यम से प्रकट होते हैं तथा कहीं स्वयं कहानीकार आत्मकथात्मक शैली में प्रस्तुत करते है।'बदला' कहानी में धार्मिक चिन्तन और समाज में हो रहे अत्याचार को उजागर किया है। 'शरणदाता' कहानी में जातिगत और धर्मगत भावनाओं का समावेश हुआ है। अज्ञेय जी की कहानियों के पात्रों में भारतीय धर्म और संस्कृति से प्रेम प्रकट होता हे। उन्होंने अपनी कहानियों के माध्यम से उल्लेख किया है कि व्यक्ति केवल माध्यम है तथा सब कुछ जगत नियामक परमेश्वर के इशारे पर घटित होता है। 'पगोड़ा वृक्ष' 'शत्रु' नामक कहानियों में यही भावना परिलक्षित होती है।

अज्ञेय जी की कहानियाँ राष्ट्रीय मूल्यों का भी समावेश हुआ है। हर सिंगार शीर्षक कहानी में अज्ञेय जी ने देश की आज़ादी की सार्थकता पर प्रकाश डाला है कि एक अनाथ के लिए आज़ादी सारहीन है, व्यर्थ है। "अनाथ जीवन जीवन की पीड़ाओं, संघर्षो, अंधियारी घटनाओं से अक्षुण्ण रहने वाली प्रकाण्ड शून्यता को भरने के लिए कुछ नहीं होगा।"

अज्ञेय जी की कहानियों में कुछ जीवन मूल्य सहज प्रवृत्ति के रूप में उजागर हुए है तथा कुछ रचनाकार की विचारात्मकता में परिपक्व होकर शब्द के रूप में प्रकट होते हैं इन्ही संकल्पित मूल्यों से युक्त इच्छित व्यक्तित्व को लेखक अपनी कहानियों में पात्र के रूप में निर्मित करता है। ऐसे मूल्य ही मानव के लिए प्रेरणादायी होते हैं। अज्ञेय जी की कहानियों में जीवन मूल्य उनके अन्तर्मन की गहराई से उद्भूत होकर पाठक के हृदय में समाहित हो जाते हैं।

डॉ सुनीता
सहायक प्रोफेसर
हिंदी विभाग

Socialism in Modern India: An Overview

The term 'Socialism' is a modern doctrine and its origin in western country. It comes from the Greek word 'Socius' meaning Society. Therefore, naturally Socialism is concerned with society or collective life. It may be regarded as the product of the injustice of the capitalist (social) system. It can be regarded as a revolt against the exploitation of man by man. It is a protest against the building of an economic and social system on the incentive of profit, not service. It is a challenge to competition, which had degraded the working man and his family, starved many to keep a few in luxury, separated society into two classes, haves and have nots. Some writers have traced that the term socialism is originated from the Old Testament. Plato's "Republic" is very often cited as the best example of ancient socialism. The term socialism was used in 1827 in England to understand a person who rejected the laissez-faire theory. There are several types of

socialism such as Utopian Socialism, Scientific or Marxian Socialism, Fabians Socialism, Syndicalism Socialism, Guild Socialism, Democratic Socialism, Gandhian Socialism, State Socialism etc.

Socialism in its present form originated in the late 18th century and early 19th century as a protest against the prevailing factory system, which creates gulf of difference between the rich and the poor. In the sense of a struggle for greater equality socialism is as old as the civil society, as old as the separation of men into classes, old as the distinction of rich and poor.

Socialism in India is a political movement founded early in the 20th century, as a part of the broader Indian independence movement against the colonial British Raj. It grew quickly in popularity as it espoused the causes of India's farmers and labourers against the *zamindars*, princely class and landed gentry. Socialism shaped the principle economic and social policies of the Indian government after independence until the early 1990s, when India moved towards a more market-based economy. However, it remains a potent influence on Indian politics, with a large number of national and regional political parties espousing democratic socialism.

Small socialist revolutionary groups arose in India in the aftermath of the October Revolution in Russia. The Communist Party of India was established in 1921, but socialism as an ideology gained a nationwide appeal after it was endorsed by nationalist leaders such as Jawaharlal Nehru and Subhash Chandra Bose. Radical socialists were amongst the first to call for outright Indian independence from Britain. Under Nehru, the Indian National Congress, India's largest political party, adopted socialism as an ideology for socio-economic policies in 1936. Radical socialists and communists also engineered the Tebhaga movement of farmers in Bengal against the landed gentry. However, mainstream Indian socialism connected itself with Gandhism and adopted peaceful struggle instead of class warfare.

After India's independence in 1947, the Indian government under prime ministers Nehru and Indira Gandhi oversaw land reform and the nationalization of major industries and the banking sector. Independently, activists Vinoba Bhave and Jayaprakash Narayan worked for peaceful land redistribution under the Sarvodaya movement, where landlords granted land to farm workers out of their own free will. In the 1960s, the Communist Party of India formed India's first democratically elected communist government when it won elections in the states of Kerala and later West Bengal.

However, when a global recession began in the late 1970s, economic stagnation, chronic shortages and state inefficiency left many disillusioned with state socialism. In the late 1980s and 1990s, India's government began to systematically liberalize the Indian economy by pursuing privatization, aiming to attract foreign investment.

Nevertheless, the Congress party continues to espouse some socialist causes, and other major parties such as the Communists, Samajwadi Party, Bahujan Samaj Party and several others openly espouse socialism. India became the poster child for post–World War II socialism in the Third World. Steel, mining, machine tools, water, telecommunications, insurance, and electrical plants, among other industries, were effectively nationalized in the mid-1950s as the Indian government seized the commanding heights of the economy.

Other industries were subjected to such onerous regulation that innovation came to a near standstill. The Industries Act of 1951 required all businesses to get a license from the government before they could launch, expand, or change their products. One of India's leading indigenous firms made 119 proposals to the government to start new businesses or expand existing ones, only to find them rejected by the bureaucracy. The government imposed import tariffs to discourage international trade, and domestic businesses were prevented from opening foreign offices in a doomed attempt to build up domestic industries. Foreign investment was subject to stifling restrictions. But the planners failed. Manufacturing never took off, and the economy meandered; India lagged behind all its trade-embracing contemporaries.

Between 1950 and 1973, Japan's economy grew 10 times faster than India's. South Korea's economy grew five times faster. India's economy crawled along at 2 percent per year between 1973 and 1987, while China's growth leapt to 8 percent and began matching rates for Hong Kong, Taiwan, and other Asian tigers. Even as that reality became clear as early as the late 1960s and early 1970s, India's policy makers refused to give up on economic planning. Experts and elected officials settled for what they called the "Hindu Rate of Growth," which, according to official figures, was sluggish at about 3 to 4 percent per year. That would be respectable for a developed country like the United States or Germany, since they start from a higher economic base. But for a country like India, it's abysmal.

Attitudes finally began to change in the 1980s, as India's persistent budget deficits forced austerity measures in the middle of the decade. A foreign exchange crisis in 1991 precipitated major shifts in public policy thinking.

The government brought spending in line with revenues and moved away from fixed exchange rates, allowing the Indian currency to reflect world prices. (Fixing exchange rates at a government-determined price tended to overvalue the rupee on world markets, discouraging foreign investment.) The government began to open the door to foreign investment while Indian companies were allowed to borrow in foreign capital markets and invest abroad. Inflation was brought under control.

The new policies fostered a booming information technology industry, which grew to billion-dollar status in the mid-1990s and exceeded $6 billion in revenues by 2001. The technology sector didn't suffer from as many burdensome regulations as, say, steel and airlines. Nor did its success hinge on traditional utilities and basic infrastructure, depending more on new technology such as satellites. A 2004 World Bank report notes that "Services, the least regulated sector in the economy continue to be the strongest performer, while manufacturing, the most regulated sector, is the weakest." At first, Indians were simply subcontractors to more sophisticated multinational companies. Then Indian companies began to generate new technologies on their own as they tapped into the global marketplace. The software used to power Palm Pilots, for example, was developed by an Indian firm, not outsourced to technicians or programmers.

Today 1,600 tech companies, including the billion-dollar multinationals Infosys and Wipro, export products and services from India's high-tech capital, Bangalore. U.S. companies with major Indian investments include Google, Yahoo, Microsoft, and Oracle. While I.T. exports led the industry's early growth, future growth is expected to be based on the expansion of the domestic economy. With a billion people, India is bound to become a major consumer powerhouse. It may even compete China. "Culturally, India is much more attuned to free market ideas," says Barun Mitra, managing trustee of the New Delhi–based Liberty Institute. "India's social and institutional fabric is much more resilient than China's. The nationalized component of the Indian economy is relatively small. India's share of the workforce in any kind of public sector is barely 6 percent of the total workforce of 420 million."

Dr. Renu Baliyan
Assistant Professor
Dept. of History

Allelopathy: An Ecological and Sustainable Weed Management Tool

Weeds, the plants growing at places where not required, compete with the crops for resources and thus lower yields and cause huge economic loss to farmers. They also taint the soil with their seeds, thereby perpetuating the problem into subsequent growing seasons. Alone, weeds are responsible for nearly 34% of the crop loss. In India also, enormous crop loss (15-85%) due to weed interference with crops has been reported. They are a hidden foe for crop plants. In fact threat to crops because of weeds is greater than any other category of pests such as insects, nematodes, diseases, *etc*. (Weed Information System, 2011). Furthermore, they also serve as a host for many plant diseases and pests which adversely affect human health. It is thus very important to manage weeds from the agricultural fields. For managing the weeds, farmers adopt various mechanical, biological and chemical means. Of these, mechanical and biological methods fail to provide adequate weed control. As a result, farmers exclusively rely on synthetic herbicides (chemical method) because their action is fast and mode of application comparatively easy. Widespread and indiscriminate use of these chemicals, however, has resulted in herbicidal resistance in weeds and there is a great public concern regarding their toxic effects on human health and environment. Besides resistance, herbicides also cause toxicity towards non-target organisms. They leach from the surface to the lower layers of soil and accumulate there. Owing to their non-biodegradable nature and long persistence in the environment, they get biomagnified upon entering the living organisms through food chain to play havoc with the life of living organisms. Efforts are, therefore, being made to find alternatives to the synthetic herbicides. One of these approaches that is catching the attention of scientists worldwide is the use of natural plant products on the patterns of herbicides. This is because they are biodegradable and hence environmentally benign. Besides, natural plant products possess several other properties that make them better than synthetic chemicals.

Plants produce an array of chemicals commonly known as secondary metabolites. Though, not involved in primary metabolism, yet these play several important roles within and outside the plant. Within the plant, these are involved in plant defense mechanisms and reproductive fitness whereas outside the plant (upon release from plant) these bring about plant-mediated interactions such as allelopathy. Of various plant-mediated interactions,

allelopathy bears a great significance for being prevalent in various man-made and natural ecosystems. The term *Allelopathy* (literally meaning mutual harm or sufferings) was first coined by Hans Molisch in 1937 and defined as stimulatory or inhibitory biochemical interactions among plants at all levels of complexity including micro-organisms. The chemicals responsible for allelopathy are termed as *allelochemicals* and these are released from the plant in a variety of ways such as leachation, volatilization, root exudation, and upon death and decay. Several studies elaborate on the significance of allelopathy for sustainable and integrated weed management through following methods:

- Crop cultivars with allelopathic potential can be grown to suppress weeds under field conditions.
- Different types of allelopathic plants can be intercropped with other crops to smother weeds.
- Use of allelopathic cover crops and mulches can also reduce weed pressure in fields and that too without any extra cost.
- Plant breeding can be explored to improve the allelopathic potential of crop cultivars.
- Rotating a routine crop with an allelopathic crop for one season is another method of allelopathic weed control.
- Use of natural plant products *i.e.* Allelochemicals, as Bioherbicides.

Amongst all these methods, the one with the use of natural plant products as bioherbicides is gaining momentum world over. Many allelochemicals are being explored for various useful purposes including sustainable weed management owing to their environmentally benign properties. Besides, being biodegradable, these also possess new and different molecular target sites compared to synthetic herbicides. Moreover, they show great extent of diversity and complexity in their structure (owing to the presence of more chiral centers, sp^3-hybridized carbons) and absence of halogen/heavy atoms in their structures, making them ideal sources of bioherbicides. The rapid progress of analysis technology in recent years has made it possible to isolate and identify even minute amounts of allelochemicals and to perform sophisticated structural analyses of these molecules. There are numerous reports on natural plant products being used as a source of new chemistry for the discovery of novel herbicides and/or new modes of action. Some of these, though not commercialized, have already been patented as herbicides *e.g.* Benzoxazolinone, fatty acids and Citral, a diterpene and a component of many plant essential oils. For improving the desirable properties of these natural plant products, biotechnological tools like genomics and proteomics are also being employed.

Thus, Allelopathy has a pertinent significance for sustainable and integrated weed management systems.

Dr. Nadia Chowhan
Assistant Professor
Dept. of Botany

The Reserve Bank of India (RBI)

Introduction

RBI was originally privately owned but is now owned wholly by the Indian Government. Set up on April 1, 1935 under the Reserve Bank of India Act, RBI's central office was initially in Kolkata but moved to Mumbai in 1937. It was nationalized on January 1, 1949. The Reserve Bank of India (RBI) is India's central banking and monetary authority. RBI regulates loans offered by banks and non-banking financial institutions to government entities, businesses, and consumers and controls the availability of funds in the financial system for credit.

RBI sets the direction for interest rates and price stability and conducts fund raising activities for the central and the state governments through the auction of government securities. Reserve Bank is also responsible for monitoring the foreign exchange flows into the Indian economy, managing currency exchange rates and supervising how banks and non-banking financial institutions function.

Management

The management of the Reserve Bank is under the control of Central Board of Directors consisting of 20 members:

- The executive head of the Bank is called Governor who is assisted by four Deputy Governors. They are appointed by the Government of India for a period of five years. The head office of the Reserve Bank is at Bombay.
- There are four local boards at Delhi, Kolkata, Chennai and Mumbai representing four regional

areas, *i.e.,* northern, eastern, southern and western respectively. These local boards are advisory in nature and the Government of India nominates one member each from these boards to the Central Board.

- There are ten directors from various fields and one government official from the Ministry of Finance.

Dr. Punam Kundu
Assistant Professor
Dept. of Economics

Application of Remote Sensing in Environmental Resources Mapping and Modelling

Introduction

Remotely-sensed data plays a pivotal role in natural resources mapping and as source of input data for environmental processes modelling. With the availability of remotely sensed data from different sensors of various platforms with a wide range of spatio-temporal, radiometric and spectral resolutions have made remote sensing as, perhaps, the best source of data for large scale applications and study. Some of the most commonly used applications of the technique in environmental resources mapping and modelling can be seen in hydrological modelling, watershed mapping, energy and water flux estimation, fractional vegetation cover, impervious surface area mapping, urban modelling and drought predictions.

A state-of-art of satellite sensors are widely used in environmental applications and natural resources management. These sensors provide data in a wide range of scales (or pixel resolutions), radiometry, band numbers, and band widths and provides distinct advantage of consistency of data, synoptic coverage, global reach, cost per unit area, repeatability, precision, and accuracy. Many applications in environmental monitoring require frequent coverage of the same area. This can be maximized by using data from multiple sensors. However, since data from these sensors are acquired in multiple resolution (spatial, spectral, radiometric), multiple bandwidth, and in varying conditions, they need to be harmonized and synthesized before being used. This helps normalize for sensor characteristics such as pixel sizes, radiometry, spectral domain, and time of acquisitions, as well as for scales. Also, inter-sensor relationships help establish seamless monitoring of phenomenon across landscape.

Urban Mapping Applications

The majority of remote sensing work has been focused on natural environments over the past decades. Applying remote sensing technology to urban areas is relatively new. With the advent of high-resolution imagery and more capable techniques, urban remote sensing is rapidly gaining interest. Urban landscapes are typically a complex combination of buildings, roads, parking lots, sidewalks, garden, cemetery, soil, water, and so on. Each of the urban component surfaces exhibits a unique radiative, thermal, moisture, and aerodynamic properties, and relates to their surrounding site environment to create the spatial complexity of ecological systems. To understand the dynamics of patterns and processes and their interactions in heterogeneous landscapes such as urban areas, one must be able to quantify accurately the spatial pattern of the landscape and its temporal changes. In order to do so, it is necessary: (a) to have a standardized method to define theses component surfaces, and (b) to detect and map them in repetitive and consistent ways, so that a global model of urban morphology may be developed, and monitoring and modelling their changes over time be possible. Remote sensing technology has been widely applied in urban land use, land cover classification, and change detection.

Hydrological Applications

Since 1972 (launch of the first Earth Resources Technology Satellite, ERTS-1), scientist have used remotely-sensed data from different sensors to characterize, map, analyze and model the state of the land surface and surface processes. With the help of new algorithms, new hydrological information was extracted from remotely-sensed data and used in hydrological and environmental modelling. These new information and hydrological parameters have increased our understanding of the different hydrological processes by helping in quantifying the rate and amount of water and energy fluxes in the environment. The ability of these sensors in providing various spatio-temporal scales data has also increased our capability in looking into one of the challenges of environmental modelling, mismatch between scales of environmental process and available data. The role of remote sensing in understanding hydrological processes and fluxes across different spatial and temporal scales can be tremendous, if appropriate spatial and temporal resolution remotely sensed data are

available under ranges of bands. The application of remote sensing in water resources research and management mainly lies in one of the three categories: mapping of watersheds and features, indirect hydrological parameter estimation and direct estimation of hydrological variables.

The advances made in spaceborne remote sensing in the last 50 years, from sputnik 1 to Worldview-1, has been phenomenal. The present trends point to increasing several innovations. First, availability of data from multiple sensors with wide array of spatial, spectral, and radiometric characteristics. These data will be available from multiple sources. Second, significant advances have been made in harmonizing and synthesizing data from multiple sources that facilitates the use of data from these sensors of widely differing characteristics and sources. Third, the micro satellites that specialize in gathering data for specific geographic location and\or for particular applications are likely to become more attractive. Fourth, for many environmental and natural resource applications global wall-to-wall coverage is essential and here satellites like Landsat will continue to play most important role. Fifth, data availability in hyperspectral and hyperspatial sensors brings in new challenges in data mining, processing, backup, and retrieval. Sixth, the advances made in data synthesis, presentation, and accessibility through systems such as Google Earth will bring in new users and multiply applications of remote sensing in environmental sciences and natural resources management.

Ms. Kanwaljeet Virdi
Assistant Professor
Dept. of Geography

SECURITY ISSUES IN CLOUD

Cloud computing comes with numerous possibilities and challenges simultaneously. Of the challenges, security is considered to be a critical barrier for cloud computing in its path to success. The security challenges for cloud computing approach are somewhat dynamic and vast. Data location is a crucial factor in cloud computing security. Location transparency is one of the prominent flexibilities for cloud computing, which is a security threat at the same time – without knowing the specific location of data storage, the provision of data protection act for some region might be severely affected and violated.

Thus, in cloud computing context, a security concern is always some type of risk but any risk cannot be blindly judged to be a security concern. Allocation of responsibilities among the parties involved in a cloud computing infrastructure might result in experiencing inconsistency which might eventually lead to a situation with security vulnerabilities.

Security in the data-centres of cloud providers are also within the interests of security issues, as a single physical server would hold many clients' data making it a common shared platform in terms of physical server or operating system. The storage security at the cloud service providers data centers are also directly linked with the security of the cloud services. All the traditional security risks are thus applicable with added degree of potency in a cloud infrastructure which makes the ongoing success of cloud computing a quite challenging one.

Ms. Sakshi Aneja
Assistant Professor
Dept. of Computer Science

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Ms. Shruti Kamboj
(Batch 2015) cleared the UPSC Examination - 2018 scoring 589 Rank

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Small improvements over time lead to stunning results.

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Competition is a by-product of productive work, not its goal.

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Gold Medal in Fencing in Junior Common Wealth Championship, New Castle, England (July 22-31, 2018)

Ms. Sukhveer
Silver Medal in BRICS U-21 Volleyball Games Johannesburg, South Africa (July 18-22, 2018)

Ms. Pooja
Represented India in U-23 World Wrestling Championship, Bucharest, Romania (November 12-18, 2018)

Kavita
Represented India in Junior Asian Women Volleyball Championship, Vietnam (June 10-17, 2018)

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Ms. Navneet Kaur	162705	ASRB-NET
Ms. Ritu	162706	CSIR/ UGC NET

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Sem. I - 83%
(Biotechnology)

The biggest challenge after success is shutting up about it. –Criss Jami

Department of English

Tamanna
7354817
B.Sc. I
Sem. I - 90%

Monika
170041303
B.Sc. I
Sem. II - 86%

Kajal
170041308
B.Sc. I
Sem. II - 86%

Rubee
170008802
B.C.A. I
Sem. II - 80%

Minkal
6319554
B.A. II
Sem. III - 92%
Sem. IV - 90%

Srishti
5319001
Sem. VI - 95%

Simran
5319015
Sem. VI -88%

Malik Ritu Surendera
5319050
Sem. VI - 83%

Simran Babber
5319095
Sem. VI - 83%

Manisha Arya
5319065
Sem. VI - 83%

Meenu Bala
5319064
Sem. VI - 83%

Sakshi Kataria
5319101
Sem. VI - 82%

Shivani
5319033
Sem. VI -82%

Harmanpreet Kaur
5319072
Sem. VI - 81%

Manpreet Kaur
5319005
Sem. VI - 80%

Renu
5319087
Sem. VI - 80%

Karandeep
170053402
Sem. II - 70%

B.Sc. I (Sem. I)

Name	Univ. Roll No.	Percentage
Neha	7354883	88%
Garima	7354848	86%
Preeti	7354895	86%
Kajal Devi	7354898	86%
Rajni Saini	7354892	84%
Karanjeet Kaur	7354931	84%
Priyanshi	7354933	84%
Kritika Sharma	7354849	82%
Mahima Malik	7354904	82%
Nikita	7354957	82%
Sunaina	7354801	80%
Navita Rani	7354803	80%
Muskan	7354847	80%
Radhika	7354853	80%

B.Sc. I (Sem. II)

Name	Univ. Roll No.	Percentage
Ritu Devi	170041304	84%
Karanjeet Kaur	170041309	84%
Sunaina	170041324	84%
Manisha	170041302	82%
Priyanshi	170041311	82%
Udisha Rana	170041343	82%
Shilpa Devi	170041315	80%
Tanu Mathiyan	170041347	80%
Annu Devi	170041373	80%
Priyanka	170041407	80%
Simran	170041444	80%

B.C.A. I (Sem. II)

Name	Univ. Roll No.	Percentage
Rubee	170008802	80%
Nandini Khetarpal	170147803	80%
Kirti	170147814	80%

FSQC (Sem. II)

Name	Univ. Roll No.	Percentage
Pragati	170200010	81%
Shimona Kalyan	170200007	83%
Upasna Devi	170200008	83%
Namrata	170200009	80%
Nidhi	170200003	81%

B. Voc. (Sem. II)

Name	Univ. Roll No.	Percentage
Palak	170200011	84%

Fashion Tech. (Sem. II)

Name	Univ. Roll No.	Percentage
Ritika Chaudhary	170147801	83%

B.A. (Sem. II)

Name	Univ. Roll No.	Percentage
Shivani Poswal	170071403	85%
Hema	170071536	80%

There is only one thing that makes a dream impossible to achieve : the fear of failure. —Paulo Coelho

M.A. Sem II		
Name	**Univ. Roll No.**	**Percentage**
Karandeep	170053402	58%
Prabhjot Kaur	170053412	58%
Karandeep	170053402 (Paper VII)	65%
Pooja Mokal	170053404	65%
Priya	170053412	65%
Mandeep Kaur	170053402	65%
Karandeep	170053402	65%
Karandeep	170053402	70%

M.A. Sem IV		
Name	**Univ. Roll No.**	**Percentage**
Divya	002081407	65%
Divya	002081407	61%
Ekta	002081403	61%
Prabhjot	002081411	67%
Divya	002081407	63%

Department of Hindi

Kiran
7310123
Sem. I - 83%

Jyoti
7310143
Sem. I - 81%

Shivani Poswal
170071403
Sem. II - 85%

Sanjana Sharma
170071531
Sem. II - 80%

Hema
170071536
Sem. II - 80%

Pooja
6319534
Sem. III - 94%

Shivani
6319647
Sem. III - 94%

Neha Sharma
6319530
Sem. III - 93%

Pooja Rani
6319633
Sem. IV - 90%

B.Sc. Sem IV		
Name	**Univ. Roll No.**	**Percentage**
Anu	6360903	86%
Reetu	6361118	86%
Navpreet Kaur	6360968	84%
Monika	6361011	84%
Anjali	6361077	84%
Anchal Kumari	6360921	82%
Shilpa Devi	6361034	82%
Vidhi	6361062	82%
Rinkle	6361120	82%
Richa Rani	6361121	82%
Pratibha	6361041	80%
Sunita	6361076	80%
Jyoti Sharma	6361087	80%
Himanshi Rana	6361094	80%

Pooja Devi
6319652
Sem. IV - 90%

Laxmi
6319568
Sem. V - 80%

Maphi Devi
6319649
Sem. III - 91%

Sonia Lather
6319591
Sem. III - 90%

Navjot Kaur
6319622
Sem. III - 90%

Komal Rani
6319507
Sem. IV - 87%

Kajal
6319605
Sem. IV - 85%

Sonia Lather
6319591
Sem. IV - 83%

Sneh Lata
6319503
Sem. IV - 80%

Department of Punjabi

Japjeet Kaur
63619502
Sem. II - 82%
Sem. III - 80%

When the awareness of what is achievable brushes your life, your journey has begun. –Lorii Myers

B.Sc. Sem IV

Department of Sanskrit

Name	Univ. Roll No.	Percentage
Swati	6360957	98%
Sonia	6361102	98%
Pooja	6361109	98%
Ruby	6361112	98%
Ekta Sharma	6360969	98%
Minakshi	6360977	98%
Manisha	6360978	98%
Kajal	6361029	98%
Neha Sharma	6361035	98%
Himani	6361099	98%
Nancy	6361103	98%

Name	Univ. Roll No.	Percentage
Upma	6361115	98%
Pooja	6361129	98%
Nikita	6361111	96%
Pooja	6361113	96%
Ankita	6360976	96%
Muskan	6361100	96%
Anju	6361116	96%
Pooja	6361122	96%
Ritu Chaudhary	6361123	96%
Jyoti	6361124	96%
40 Students secured above 90% Marks		

Department of Geography

Bhavishya
7310101
Sem. I - 82.9%
170071396
Sem. II - 93.8%

Anita
7310206
Sem. I - 90%
170071341
Sem. II - 91.5%

Sonia
170071357
Sem. II - 87.7%

Somya Vohra
170071400
Sem. II - 86.9%

Hargun
170071426
Sem. II - 83%

Mansi Grover
170071375
Sem. IV - 82.3%

Ruby Devi
6360922
Sem. IV - 92.8%

Priyanka
6319535
Sem. III - 80%
Sem. IV - 87.7%

Manila
6319540
Sem. III - 84.3%
Sem. IV - 83.1%

Pooja Rani
6319633
Sem. IV - 85.4%

Anmolpreet
6360912
Sem. IV - 81%

Neha Chaudhary
170071471
Sem. VI - 86.2%

Manpreet Kaur
5319005
Sem. VI - 81.5%

Meenu Bala
5319064
Sem. VI - 81.5%

Department of Health and Physical Education

Srishti
5319001
Sem. VI - 84.8%

Shivani
5319033
Sem. VI - 82.4%

Shivani
6319647
Sem. IV - 86.4%

Manjot
6319720
Sem. IV - 84%

Sujata
6319648
Sem. IV - 83.2%

Sonia
6319591
Sem. IV - 82.4%

Anjali
170071337
Sem. II - 80%

If you want to live a happy life, tie it to a goal, not to people or objects. –Albert Einstein

Department of History

Anita
170071341
Sem. II - 91%

Bhavishya Pant
170071396
Sem. II - 84%

Shiwani
170071345
Sem. II - 86%

Shilpa Rani
170071351
Sem. III - 85%

Aaina Sharma
170071367
Sem. II - 82%

Shiwani
180064199
Sem. I - 81%

Shalini
180064199
Sem. I - 50%

Neetu
0005319098
Sem. VI - 86%

Anju
0005319026
Sem. VI - 83%

Nisha
0005319099
Sem. VI - 81%

Varsha
6319663
Sem. IV - 87%

Manjot
6319720
Sem. IV - 87%

Pooja
6319714
Sem. IV - 80%

Jyoti
6619774
Sem. IV - 86%

Department of Political Science

Pooja
6319534
Sem. IV - 95%

Komal
6319504
Sem. IV - 92%

Simranpreet
6319662
Sem. IV - 87%

Priyanka
6319535
Sem. IV - 88%

Navdeep
6319782
Sem. IV - 85%

Sonia Lather
6319591
Sem. VI - 84%

Sunit
6315227
Sem. V - 83%

Anushka
6319513
Sem. IV - 82%

Japjeet
6319502
Sem. IV - 80%

Amrita
6319780
Sem. IV - 82%

Karanjeet
6319510
Sem. IV - 80%

Aarzoo
17007311
Sem. II - 80%

Alisha
17007314
Sem. II - 80%

Meenakshi
17007377
Sem. III - 81%

Department of Music (Vocal)

Ritu Malik
5319050
Sem. VI - 82%

Kirti
6319543
Sem. V - 82%
Sem. VI - 90%

Tanu
6319558
Sem. V - 80%

Sangeeta
6319704
Sem. IV - 82%
Sem. V - 82%

Aarzoo
170071461
Sem. II - 87%
Sem. III - 82%

Sheetal
5319078
Sem. VI - 84%

It is amazing what you can accomplish if you do not care who gets the credit. –Harry Truman

Department of Music (Instrumental)

Namrata
5319054
Sem. VI - 88%

Sukhdeep Kaur
5319090
Sem. V - 86%
Sem. VI - 87%

Monika
5319054
Sem. VI - 87.3%

Manisha
5319124
Sem. VI - 86%

Kiran Devi
5319187
Sem. VI - 86%

Aarti
5319194
Sem. V - 86%
Sem. VI - 87.3%

Beenu
170071477
Sem. II - 86.6%

Priyanka
6319628
Sem. III - 86%
Sem. IV - 94.6%
Sem. VI - 86%

Guneet Kaur
6319581
Sem. IV - 85%

Simran
6319641
Sem. IV - 91.3%

Beenu
6319514
Sem. IV - 85%

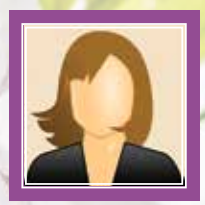
Pooja Rani
6310279
Sem. I - 82%

Payal Dutta
170071316
Sem. II - 87%

Department of Commerce

Shivani Goyal
170196511
Ist in Aggregate
Sem. II - 76.31%

Ritu Sharma
1241665
Ist organisational Behaviour
Sem. I - 86%



Arshdeep Kaur
1241663
Ist in Accounting for Managerial Decision
Sem. I - 85%

Bhavya Sharma
1241636
Ist in Marketing Management
Sem. I - 82%

Sumandeep Kaur
170196507
Ist in Advertisement
Sem. III - 81%

Pooja Devi
1241635
Ist in Marketing Management
Sem. I - 82%

Garima Tomar
1241609
Ist in Business Environment - 83/100
Ist in Business Statistics - 86/100
Ist in Computer
Sem. III - 85%

Ankita
1241655
Ist in Marketing Management
Sem. I - 82%

Vandita Batra
170196561
Ist in Business Statistics
Sem. I - 86%

Department of Computer Science

Simran
7354834
Sem. I - 80%

Sunaina
170041324
Sem. II - 85.5%

Naina
170041338
Sem. II - 84.5%

Nisha
170041376
Sem. II - 80%

Kalpana Thakral
6361031
Sem. III - 91%
Sem. IV - 91%

Diksha Rani
6360996
Sem. IV - 85%

To understand the heart and mind of a person, look not at what he has already achieved, but at what he aspires to.

Swati Sinha
6360995
Sem. IV - 83.5%

Sakshi Dalal
6361014
Sem. IV - 83%

Kajal Devi
6361029
Sem. IV - 82%

Pratibha
6361041
Sem. IV - 80.5%

Pooja
5360838
Sem. V - 81%

Payal
5360845
Sem. V - 81%

Komal
5360827
Sem. VI - 83.5%

Gunjan
5360863
Sem. VI - 83.5%

Gurpreet Kaur
5360849
Sem. VI - 81.5%

Ritu
170008801
Math. Found.
Sem. II - 90%

Rubee
170008802
Math. Found.
Sem. II - 96%

Keerti
170008802
Off. Auto.Tools.
Sem. II - 87%

Shiwani Rana
6006573
Comp. Arch.
Sem. III - 93%

Kirti
6006577
Comp. Arch.
Sem. III - 83%

Sapna
6006578
Adv. Pro. using C++
Sem. III - 87%

Tanya Sharma
5006502
Multimedia Tools
Sem. V - 97%

Pragya
5006511
Multimedia Tools
Sem. V - 85%

Rakshita
5006504
Web Des. Fund.
Sem. V - 80%

Preeti Tamak
1200181
Discrete Math. Struc.
Sem. I - 80%

Komal Rathee
1200196
Discrete Math. Struc.
Sem. I - 84%

Sakshi Nanda
1200195
Discrete Math. Struc.
Sem. I - 83%

Priya
1200362
Sec. in Computing.
Sem. IV - 86%

Pooja
1200370
Sec. in Computing.
Sem. IV - 83%

Rajwant Kaur
1200365
Adva. Oper. Sys. Sem. IV - 80%
Comp. Grap. Sem. IV - 81%
Sec. in Computing. Sem. IV - 86%

Komal Rathee
170201416
Sem. I & II - 77.7%

Rajwant Kaur
1200365
Sem. III & IV - 79.2%

Namrata
5360872
Comp. App. Sem. VI - 82.5%

Sunaina
170041324
Sem. I & II - 84%

Kalpana Thakral
6361031
Sem. III & IV - 90.2%

Sakshi Dalal
6361014
Sem. III & IV - 80%

Department of Home Science

B.Voc

Navneet Kaur
100138922
Sem. I - 84.5%

Heena
180138908
Sem. I - 84%

Pooja Devi
5601008
Sem. V - 90.8%

Neha Jangra
5601007
Sem. V - 90.6%

Ramandeep Kaur
5601012
Sem. V - 83.7%

Nandini
170147803
Sem. III - 84.6%

Only those who dare to fail greatly can ever achieve greatly. —*Robert F. Kennedy*

Kirti
170147814
Sem. III - 80%

Karanjeet Kaur
5200952
Sem. V - 85%

Sandeep Kaur
5200960
Sem. V - 81.6%

Vipandeep Kaur
5200951
Sem. V - 82.6%

Monika
1598028
Sem. V - 82%
Sem. VI - 81.7%

Neha
1598030
Sem. VI - 82.57%

Komal
1598036
Sem. V - 82.8%
Sem. VI - 85.55%

Amandeep Kaur
1598041
Sem. IV - 83.1%

Amandeep Kaur
427157
Sem. III - 83.75%

Neetu Sandhu
427159
Sem. III - 85%
Sem. IV - 86.8%

Neha
427162
Sem. III - 84.75%
Sem. IV - 84.6%

Vaishali
427163
Sem. III - 82.5%
Sem. IV - 81.4%

Monika
427169
Sem. III - 84%

Mansi
1528206
Sem. I - 81.4%

Stuti
1528201
Sem. I - 80%

Nandini
5109207
Sem. I - 80.9%
Sem. II - 83.8%

Baljinder Kaur
2602009
Sem. VI - 88.6%
Sem. V - 86.6%

Parul
2602007
Sem. VI - 81.4%
Sem. V - 83.7%

Nitesh Kumari
2602004
Sem. VI - 80%
Sem. V - 80.4%

Alumni Association

Sitting (L to R): *Dr. Swati Sharma, Dr. Anju Narwal, Dr. Ashima Gakhar, Ms. Jyoti Khanduja, Ms. Sujata Gupta (Principal), Dr. Sabira Sharma, Dr. Sangeeta Gorang, Ms. Sunit Bhandari, Ms. Sanjana Raheja*
Standing (L to R): *Dr. Monika Saini, Dr. Manju Sharma, Ms. Anshul Atreja, Dr. Punam Kundu, Ms. Isha*

Home Science

Botany

विद्या ददाति विनयम्

1958

हिन्दी

Computer Science

Zoology

Punjabi

Departmental

Mathematics

Political Science

History

Biotechnology

Economics

Geography

Activities

Music

Chemistry

Commerce

संस्कृत विभाग

Physics

To live is the rarest thing in the world. Most people just exist. –Oscar Wilde

Faculty Humanities

Department of English

Sitting (L to R): *Ms. Nitasha, Dr. Deepti Sharma, Ms. Sunit Bhandari, Ms. Sujata Gupta (Principal), Dr. Anju Narwal, Ms. Isha, Dr. Amanjot, Ms. Jasmeet Kaur*
Standing (L to R) : *Ms. Anuradha, Ms. Monika*

- Organised an **Extension Lecture** on September 06, 2018. The Resource Person was Dr. Meena Malik, Professor of English, National Dairy Research Institute, Karnal and she delivered a talk on "The Magic of Effective Communication".
- Organised **DHE, Haryana sponsored International Seminar** on January 18-19, 2019 in collaboration with The Shakespeare Association, India.

Report of the Seminar

The two days DHE Sponsored International Seminar in collaboration with The Shakespeare Association, India was organized by the Department of English, KVA DAV College for Women, Karnal, dated January 18-19, 2019 on the topic "Shakespeare's Women-Glowing or Dwindling: A Gender Perspective".

On Day I, January 18, 2019, the Inaugural Session commenced with the DAV Gaan, followed by the Vedmantrocharan by Dr. Swati Sharma, HOD, Department of Music (Vocal) and her students and Lighting of the Lamp by the dignitaries. Ms. Sujata Gupta, Principal (Off.) and Convener of the Seminar extended an eco-friendly welcome to our Resource Persons and addressed the gathering. Ms. Sunit Bhandari, Head, Department of English and Seminar Coordinator presented the Theme of the Seminar. Abstract Booklet was also released during this Session.

The Inaugural Address was delivered by Prof. Abhai Maurya, Founder Vice Chancellor, The Central University of English and Foreign Languages, Hyderabad and the Keynote Address was delivered by Prof. Bhim S. Dahiya, Formerly Vice Chancellor, Kurukshetra University, Kurukshetra and President, The Shakespeare Association, India.

Dr. Anju Narwal, Co-coordinator of the Seminar formally proposed the Vote of Thanks at the end of the Inaugural Session and Dr. Deepti Sharma, Organising Secretary was the Stage Secretary.

In Technical Session I, Ms. Isha Parashar, Member, Organising Committee was the Stage Secretary. Prof. Pushpender Syal, Professor, Panjab University, Chandigarh chaired the session.

Dr. Vibha Maurya, Professor (Retd), Hispanic Studies, University of Delhi presented a paper entitled "Representation of Women Characters in Shakespeare and Cervantes", Prof. Pankaj K Singh, Former Dean, Faculty of Languages, and Chairperson, Department of English (Retd.) and Former Director, Centre for Australian and New Zealand Studies, Himachal Pradesh University, Shimla presented a paper entitled "The Myth and the Reality: Reflections on Women Characters in Shakespeare's Comedies" and Dr. Hema Dahiya, Associate Professor, Department of English, Moti Lal Nehru College (Evening), University of Delhi presented a paper entitled "Women in Shakespeare's Roman Tragedies".

In Technical Session II, the Stage Secretary was Ms. Nitasha, Member, Organising Committee. This session was chaired by Prof. Pankaj K. Singh and Prof. Pushpender Syal presented a paper entitled "What Can an Old Pastoral Tell Us about Renewal and Regeneration? - A Discussion of Women's Stories in *The Winter's Tale*" and Prof. Sucheta Pathania, Department of English, University of Jammu, Jammu presented a paper entitled "Innocence or Insanity: A Relook at Ophelia in *Hamlet*".

The Third Technical Session was a Video Conference via Skype. The Stage Secretary was Ms. Vandana, Member, Organising Committee. Dr. Lisa Hopkins, Professor of English, Sheffield Hallam University, Great Britain presented a paper entitled "Why Bad Boys Make Bad Women" and Dr. Yashpreet, Teaching Assistant Professor, North Carolina State University, Raleigh, USA presented a paper entitled "Leading Ladies in Shakespearean Tragedies: Women are to be Seen, Heard, and Followed".

On Day II, January 19, 2019, Dr. Amanjot, Member, Organising Committee was the Stage Secretary of Technical

EXTENSION LECTURE

Resource Person Dr. Meena Malik being welcomed by Ms. Sujata Gupta, Principal, Ms. Sunit Bhandari, HOD and the faculty members of the Department of English

Dr. Meena Malik delivering a talk on "The Magic of Effective Communication" on September 06, 2018

Faculty members and students attentively listening to the Resource Person

Session IV. Prof. Deepti Dharmani, Department of English, Chaudhary Devi Lal University, Sirsa chaired the session and Prof. Tejinder Kaur, Former Professor of English, Punjabi University, Patiala presented a paper entitled "Cordelia, Portia and Lady Macbeth: Epitomes of Shakespeare's Socio and Moral Vision", Prof. Ram Niwas, Department of English, Kurukshetra University, Kurukshetra presented a paper entitled "Infinite Forbearance and Unshaken Resilience: Shakespeare's Women in *Pericles* and *Cymbeline*". Prof. Pankaj Sharma, Department of English, Chaudhary Devi Lal University, Sirsa presented a paper entitled "Braving and Backing: A Case of Shakespeare's Approach to Dark Lady in Sonnets", Prof. Rajesh Sharma, Department of English, Punjabi University, Patiala presented a paper entitled "The Margin Cannot Hold: Heroic Women in Shakespeare's Tragedies" and Dr. Jai Singh, Assistant Professor, Department of Indian and World Literatures, The English and Foreign Languages University, Hyderabad presented a paper entitled "Textualization of Mother: Mothers in Shakespearean Drama".

In Technical Session V, Stage Secretary was Ms. Jasmeet, Member, Organising Committee and the Chair to this session was Prof. Tejinder Kaur. Prof. Deepti Dharmani presented a paper entitled "Metaphysics of Absence: A Study of Selected Women Characters in Shakespeare's Plays", Prof. Loveleen, Department of English and Foreign Languages, M. D. University, Rohtak presented a paper entitled "Glowing Women Persona of Shakespeare: A Study of Selected Plays", Dr Ujjwal Sharma, Principal, Hindu Girls College, Jagadhri presented a paper entitled "Labyrinth of Lady Macbeth".

Dr. Harcharan Singh Arora, Associate Professor and Head, Post Graduate Department of English Studies and Research, DAV College, Bhatinda and Dr. Ritu Dhawan, from Department of English Jamia Millia Islamia, New Delhi also presented their papers in this session.

Technical Session VI was "Shakespeare's Women and Translation" in which Prof. K. K. Rishi translated the dialogues from Shakespeare's plays into Urdu. Ms. Isha Parashar, Ms. Nitasha, Ms. Vandana and Ms. Jasmeet beautifully narrated the dialogues and its Urdu translation was recited by Prof. K. K. Rishi. The Chair to this session was Prof. Bhim S. Dahiya.

13 Parallel Sessions in all were conducted and Prof. Sucheta Pathania, Prof. Ram Niwas, Prof. Pankaj Sharma, Dr. Hema Dahiya, Dr. Jai Sigh, Dr. Chandrakanta, Dr. Harcharan Singh Arora, Ms. Poonam Singla, Ms. Sunit Bhandari, Dr. Suruchi Kalra Chaudhary, Dr. Anju Narwal and Dr. Deepti Sharma were the Chair to these sessions.

In Valedictory Session, the Chief Guest was Dr. Satish Kumar Sharma, Director Colleges, DAV CMC, New Delhi. The session was chaired by Ms. Sujata Gupta and the Valedictory Address was delivered by Dr. Margit Koves, Department of Slavonic and Finno- Ugrian Studies, University of Delhi/Hungary. Vote of Thanks was proposed by Ms. Sunit Bhandari.

A total of 94 delegates registered themselves and certificates were given as per the norms-Paper Presentation/Paper Submission/Only Participation.

INTERNATIONAL SEMINAR

Lighting of the Lamp by the dignitaries

Release of the Abstract Booklet of the International Seminar

Eco-friendly welcome to Dr. Margit Koves by Ms. Sujata Gupta, Principal and Ms. Sunit Bhandari, Head, Department of English

Ms. Sujata Gupta, Principal welcoming the guests of the International Seminar, dated January 18-19, 2019

Dr. Satish Sharma addressing the guests in the International Seminar, dated January 18-19, 2019

Prof. Abhai Maurya delivering the Inaugural Address in the International Seminar, dated January 18-19, 2019

Prof. Bhim Singh Dahiya delivering the Keynote Address in the International Seminar, dated January 18-19, 2019

Dr. Margit Koves delivering the Valedictory Address in the International Seminar, dated January 18-19, 2019

Prof. Lisa Hopkins, Sheffield Hallam University, Great Britain presenting her Research Paper through Video Conference via Skype

FAREWELL PARTY OF M.A. ENGLISH

Floral welcome to Hon'ble Principal Madam

- Organised **a Dialogue Delivery Competition** and a **Declamation Contest under the banner INDRADHANUSH: State Level Literary, Fine Arts and Musical Carnival** on March 16, 2019. The Convener of the events was Ms. Sunit Bhandari, HOD and the Co-conveners were Dr. Anju Narwal and Dr. Deepti Sharma.

  The honourable judges were Ms. Kamlesh Chawla, Retd. Associate Professor, Department of English, KVA DAV College for Women, Karnal and Dr. Pampa Sen, Retd. Principal (Offg.), Dyal Singh College, Karnal.

  The Results are as follows:

  - **Dialogue Delivery Competition**
    1st Position: Jessica Sehgal, SD College (Lahore) Ambala Cantt.
    2nd Position: Anjali, Pt. CLS Govt. PG College, Karnal.
  - **Declamation Contest**
    1st Position: Yatin, Arya PG College, Panipat.
    2nd Position: Aurmeet Kaur, DAV College for Girls, Yamuna Nagar.
    3rd Position: Jasmita, SD College (Lahore) Ambala Cantt.

- Organised the Screening of the movies based on the text for the students of M.A. English (Previous and Final) namely *Robinson Crusoe* (February 16, 2019), *Street Car Named Desire* (February 23, 2019) and *The Colour Purple* (March 15, 2019).
- Organised a Farewell Party for the students of M.A. Final year on April 04, 2019.

Dialogue Delivery Competition and Declamation Contest organised by the Department of English under the banner Indradhanush - State level Literary, Fine Arts and Music Carnival, dated March 16, 2019.

Participant of Declamation Contest with Judges and Head, Department of English

Judges giving prize to the winner of the competition

हिन्दी विभाग

हिंदी दिवस के उपलक्ष्य में आयोजित समारोह में मुख्य अतिथि का सम्मान करते हुए प्राचार्या महोदया श्रीमती सुजाता गुप्ता जी व हिंदी विभाग के सदस्य

हिंदी दिवस के आयोजन में छात्राओं को संबोधित करते हुए मुख्य अतिथि डॉ. अशोक भाटिया जी

इन्द्रधनुष सम्मेलन के अन्तर्गत हिंदी कविता पाठ प्रतियोगिता में निर्णायक समूह के साथ प्राचार्या श्रीमती सुजाता गुप्ता जी व महाविद्यालय की प्राध्यापिकाएँ

महाविद्यालय में आयोजित 'इन्द्रधनुष सम्मेलन के अन्तर्गत राज्यस्तरीय अंतर्महाविद्यालयीय हिंदी कविता पाठ प्रतियोगिता में उपस्थित निर्णायक समूह एवं प्रतियोगिता में भाग लेते हुए प्रतिभागी छात्र

हिंदी प्रश्नोत्तरी प्रतियोगिता का आयोजन करवाते हुए विभागध्यक्षा डॉ. सुषमा ठाकुर जी व अन्य प्राध्यापिकाएँ

प्रश्नोत्तरी प्रतियोगिता में प्रतिभागी छात्राओं के साथ उनको प्रोत्साहित करती दर्शक छात्राएँ

संस्कृत विभाग

श्लोकोच्चारण प्रतियोगिता में उपस्थित निर्णायक मंडल एवं प्राध्यापक वर्ग

संस्कृत भाषण प्रतियोगिता में प्रथम पुरस्कार प्राप्त करता हुआ आर्य स्नातकोत्तर महाविद्यालय का छात्र प्रिंस

इस वर्ष संस्कृत विभाग द्वारा 'इन्द्रधनुष' कार्यक्रम के अन्तर्गत 'श्री सूर्य स्वामी स्मृति चलविजयोपहार' 'श्लोकोच्चारण अन्तः महाविद्यालय प्रतियोगिता' एवं संस्कृत भाषण प्रतियोगिता का आयोजन किया गया। श्लोकोच्चारण एवं भाषण प्रतियोगिता में विभिन्न महाविद्यालयों के लगभग पच्चीस प्रतिभागियों ने सुमधुर श्लोकों का उच्चारण कर श्रोताओं को मन्त्रमुग्ध किया। महाविद्यालय की स्नातक तृतीय वर्ष की छात्रा सुदेश एवं प्रथम वर्ष की छात्रा रिचा एवं प्रथम वर्ष की छात्रा हिमांशी ने भाग लिया। चलविजयोपहार प्राप्त करने का श्रेय आर्य कन्या महाविद्यालय शाहबाद को प्राप्त हुआ। आर्य कन्या महाविद्यालय की छात्रा तृषा को श्लोकोच्चारण में प्रथम सनातन धर्म कॉलेज लाहौर अम्बाला के छात्र अर्चित को द्वितीय एवं गुरूनानक खालसा कॉलेज करनाल के छात्र अभिषेक ने तृतीय स्थान प्राप्त किया। आर्य कन्या महाविद्यालय की छात्रा अमिता एवं डी.एन. कॉलेज कुरूक्षेत्र की छात्रा आंचल को सांत्वना पुरस्कार प्राप्त हुआ। इसी प्रतियोगिता के अन्तर्गत संस्कृत भाषण प्रतियोगिता में आर्य पी.जी. कॉलेज के प्रिंस ने प्रथम स्थान, डी.ए.वी. गर्ल्ज यमुनानगर की कुमारी आरती ने द्वितीय स्थान एवं डी.एन.कॉलेज कुरूक्षेत्र की कुमारी सुदक्षिणा ने तृतीय स्थान प्राप्त किया। अहर खुराना गुरू ब्रह्मनन्द कन्या महाविद्यालय में कुरूक्षेत्र विश्वविद्यालय द्वारा आयोजित क्षेत्रीय युवा महोत्सव में कुमारी हिमांशी एवं कुमारी रिचा स्नातक प्रथम वर्ष ने भाग लिया तथा कुमारी हिमांशी ने संस्कृत भाषण प्रतियोगिता मे तृतीय स्थान प्राप्त कर महाविद्यालय को गौरवान्वित किया।

Department of Punjabi

- On March 16, 2019 our college organized various State Level Inter College Competitions under the title 'Indradhanush' (Inter College Literary, Fine Arts and Music Carnival). The Dept. of Punjabi organized 'Punjabi Poetical Recitations and Essay Writing Competition'. Seventeen different colleges participated in these activities. 14 students took part in the Poetical Recitation and 11 students took part in the Essay Writing Competition.
- Winners were selected by the esteemed judge Dr. Gurinder Singh (Head of the Punjabi Department) Guru Nanak Khalsa College, Karnal.

Results of Poetical Recitation

- I[st] - Prabhjot Kaur, Mata Sundri Khalsa Girls college, Nissing.
- 2[nd] - Harmanpreet Kaur, D.A.V. College for Girls, Yamunanagar.
- 3[rd] - Mehakpreet Kaur, Mata Sundri Khalsa Girls College, Nissing.
- 3[rd] - Dimple, D.A.V. College for Girls, Yamunanagar.

Results of Essay writing competition

- 1[st] - Kawaldeep Kaur, K.V.A. D.A.V. College for Women, Karnal.
- 2[nd] - Harpreet Kaur, Guru Nanak Khalsa College, Karnal.
- 3[rd] - Divya, Mata Sundri Khalsa Girls college, Nissing.

Winners being awarded by the judges

Harmanpreet Kaur receiving 2[nd] prize for Poetical Recitation

Department of History

- Dr. Renu Baliyan was as Quiz Master in the Quiz Contest which was organized by Youth and Cultural Affairs Society of the college as a part of Talent Hunt on August 25, 2018.
- Organized History **Class Quiz** for 1[st], 3[rd] and 5[th] Semester on September 7, 8 and 10, 2018.
- **Organised Inter-Class History Quiz Contest** on September 22, 2018 and these are the following students who won prizes:

Anita, Bhavishya, Mannu, B.A. II	: 1[st] Prize
Gunjan, Vijeta, Neetu, B.A. III	: 2[nd] Prize
Harmandeep Kaur, Shilpa, Anjali, B.A. II	: 3[rd] Prize

- A screening for Quiz Contest of JBD Group was organized by Social Science Quiz Club on January 31, 2019.
- Nine students along with Dr. Renu Baliyan participated in **Inter-College Educational Quiz Contest** sponsored by JBD group on February 17, 2019 at Raj Gharana.
- Organized **Portrait Painting** and **Collage Making** Competitions on February 18, 2019. Judges for these competitions were as Dr. Sushma Thakur and Dr. Sangeeta Gorang. These are the following students who won prizes:

Collage Making:

Sahal, B.A. III	: 1[st] Prize
Manisha, B.A. III	: 2[nd] Prize
Sakshi, B.A. III	: 2[nd] Prize
Harmandeep Kaur, B.A. II	: 3[rd] Prize
Mansi Grover, B.A. II	: 3[rd] Prize
Kanwaldeep, B.A. II	: 3[rd] Prize

Portrait Making:

Jyoti, B.A. II	: 1[st] Prize
Apurva, B.A. I	: 2[nd]Prize
Richa, B.A.I	: 2[nd]Prize
Amisha, B.A. I	: 2[nd] Prize

- To commemorate the100[th] Anniversary of the Massacre of Jallianwalla Bagh, a torch was lit in the college premises and teaching faculty and students paid tribute to the martyrs of Pulwama attack on February 21, 2019.
- An Extension Lecture was organized on the topic Jaliyawalla Bagh Massacre and Indian National Movement by Prof. K. L. Tuteja on February 21, 2019.

We are not makers of history. We are made by history. —*Martin Luther King, Jr.*

- A State Level Quiz Contest was organised on March 16, 2019 under the banner Indradhanush-State Level Literary, Fine Arts and Musical Carnival in collaboration with the Departments of Political Science and Economics.
- A one-day trip to Morni Hills and Chandigarh was organized by the Department on April 04, 2019.

Ms. Jyoti Khanduja, Head, Department of History addressing the students

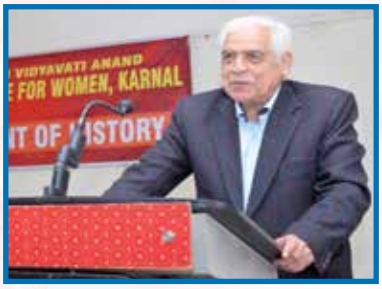
Participants for Inter College Quiz Contest at Rajgharana, Karnal

Students participating in Screening Test for the JBD Quiz on January 31, 2019

Inter Class Quiz organized by the History Department

Participants of the Inter-Class Quiz

A torch lit in the memory of the Martyrs



Dr. Tuteja delivering a lecture on Jallianwalla Bagh Massacre

A memento being presented to Prof. K.L. Tuteja

Prizes were given by Prof. K.L. Tuteja to the winners

Glimpses of Indradhanush Inter College Quiz Contest and Prize Distribution

Glimpses of One Day Trip to Morni Hills, Rock Garden, Nada Saahib Gurudwara, Sukhna Lake

Department of Economics

- An Extension Lecture was delivered on September 14, 2018 on the topic "Sustainable Development" by Dr. Neera Verma, Professor, Department of Economics, Kurukshetra University, Kurukshetra.
- A Poster Competition was organized by the Department on September 14, 2018 on "Current Economic Issues". More than 100 students participated in the competition.
- A State Level Quiz Contest was organised on March 16, 2019 under the banner Indradhanush-State Level Literary, Fine Arts and Musical Carnival in collaboration with the Departments of History and Political Science.

Principal Ms. Sujata Gupta, Prof. Neera Verma, Dr. Punam Kundu and Ms. Monisha glancing at the posters

Prof. Neera Verma delivering lecture on "Sustainable Development"

Principal Ms. Sujata Gupta giving away prizes to winners of State Level Quiz Contest

Judges judging the Poster Competition

Quiz contest held on March 16, 2019

Principal Ms. Sujata Gupta, Prof. Neera Verma, Dr. Punam Kundu and Ms. Monisha with prize winner of Poster Competition

Principal Ms. Sujata Gupta and other Principals of various colleges with participants of Quiz Contest

Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything. –Plato

Department of Music (Vocal and Instrumental)

Music Club and Spic Macay

Sitting (L to R): *Mr. Harish, Dr. Swati Sharma, Ms. Sunit Bhandari, Ms. Sujata Gupta (Principal), Dr. Sangeeta Gorang, Dr. Anju Narwal, Mr. Yunis Khan*
Standing (L to R): *Ms. Kavita, Ms. Suman, Ms. Garima, Ms. Neha, Ms. Ritika, Ms. Megha, Ms. Vanshika, Ms. Namrata*

- Students of the Dept. participated in the Talent Hunt on August 24, 2018 in Indian Classical Vocal, Indian Classical Instrumental Solo, Light Vocal and Folk Song Competitions and were given prizes on August 29, 2019 at the Talent Show.
- The Dept. of Music participated in Zonal Youth Festival organized by Kurukshetra University, Kurukshetra from October 08-10, 2018 at Guru Brahmanand Women College, Kurana (Panipat). The details are as follows:-

❖ Indian Classical Instrumental (NP) Solo	Commended
❖ Indian Classical Vocal Solo	Commended
❖ Light Vocal	Commended
❖ Haryanvi Orchestra	Commended
❖ General Group Song	Commended
❖ Western Group Song	Commended
❖ Western Instrumental Solo	Commended

- Organized a Lecture-cum-Demonstration on September 11, 2018 by Prof. Shuchismita Sharma, Chairperson Dept. of Music and Dance, KUK, on the topic "Sangeet mein Raga ki Avdharana".
- Organized various musical events in State Level Literary, Fine Arts and Musical Carnival "Indradhanush" on March 16, 2019. The results are as follows:
  - ❖ In Light Vocal, Ms. Tanya got 1st, Prerna got 2nd and Suman got 3rd prize, Mr. Mahur Kushik got Consolation Prize.
  - ❖ In Folk Song, Ms. Prerna got 1st, Ms. Divya got 2nd, Mr. Anmol got 3rd and Mr. Divyam got Consolation Prize.
  - ❖ In Indian Classical Vocal Solo, Mr. Mahur Kaushik got 1st, Ms. Suman, 2nd and Ms. Prerna got 3rd Prize.
  - ❖ In Indian Classical Instrumental Solo (NP), Ms. Megha got 1st, Ms. Namrata and Ms. Sunidhi got 2nd and Ms. Riya got 3rd Prize.

Ms. Urvashi performing Folk Song in Talent Show

A warm welcome of Prof. Shuchismita Sharma by Principal Madam and Department of Music

Music expresses that which cannot be said and on which it is impossible to be silent. –Victor Hugo

Prof. Shuchismita Sharma delivering lecture to the students

Ms. Megha performing Tasha in Zonal Youth Festival

Ms. Suman performing Classical Vocal (Solo) in Zonal Youth Festival

Students singing General Group Song

Girls performing Haryanvi Orchestra

Students singing Western Group Song

Ms. Namrata performing Sitar in Zonal Youth Festival

Ms. Suman singing Shabad in Inter-College Music Competition (Indradhanush)

Ms. Namarta playing Sitar in Inter-College Music Competition (Indradhanush)

Presenting Running Trophy to the winning team

Department of Home Science

Sitting (L to R): *Ms. Mansi Bansal, Ms. Shivani Bisht, Ms. Upasna, Ms. Sujata Gupta (Principal), Ms. Renu Mehta, Ms. Lakhwinder Kaur, Ms. Sayesha Hans*
Standing (L to R): *Ms. Sahiba Khurana, Ms. Amandeep Kaur, Ms. Renu, Ms. Sweety*

- Rangoli and Painting Competition was organized by the Department of Home Science as part of Talent Hunt on August 24, 2018. Navneet of B.Com. III got 1st Position while Nisha of B.A. II got 2nd and Radha of B.A. III got 3rd Position in Painting Competition. Sushmita of B.Sc. III got 1st Position while Pooja of B.Sc. III got 2nd and Deepasna of B.Sc. I got the 3rd Position in Rangoli Competition.
- Workshop on Fashion-maker Machine was organized from September 14 to 17, 2018 for the students of FD and FT. Resource Person Mr. Rawat from Usha Company, Jalandhar and Mr. Ashwani and Mr. Himanshu from Eastern Corporation, Karnal shared their experiences and taught students about different methods of surface ornamentation by using machine.
- An Industrial Visit to Weaver Service Centre, Panipat was organized by the Department of Home Science on September 25 and 26, 2018 for the students of B.Sc. (FD), B.Voc. (FT), and B.A. (Home Science). Two more Industries of Digital Printing and Screen Printing were visited.
- An Industrial Visit to Gayatri Khadi, Karnal was organized for the students of FD and FT by the Department of Home Science on October 01, 2018. The students also visited their production area where they learnt about the manufacturing of Khadi and Daries.
- District Level Rangoli Competition was organized by the Department of Home Science in collaboration with Election Commission on October 04, 2018. Kanika Arora of our college won the 1st Prize while Anjali Negi of Dyal Singh College won 2nd and Navneet Kaur of Mata Sundari Khalsa Girls College, Nissing won the 3rd Prize.
- Neha of B.Sc. (FD) got 2nd Position in Collage-Making Competition in 41st Zonal Youth Festival (Karnal Zone) which was held at Guru Brahmanand Women College, Panipat from October 08 to 10, 2018.
- "Jashn-e-Diwali 2018" was organized on October 30, 2018. Chief Guest for the occasion was Ms. Nina Rai,

Diwali sale by students on Jashn-E-Diwali on October 30, 2018

Jashn-E-Diwali on October 30, 2018

Knitting workshop from December 14-17, 2018 by Mr. Yadav from Yadav Knits, Karnal

Principal of Dyal Singh School, Karnal. Various competitions were also conducted like embroidery, mehndi, jewellery-making, diya decoration, bottle decoration, wall hanging making, T-Shirt painting, paper bags making etc. Diwali sale was also organised for all the students and faculty members of our college. The items were made by students which included decorative diyas, rangoli colours, rangoli coloured chips, potli bags, shagun envelopes, floating candles, handkerchiefs, pillow covers, handmade mobile covers, file folders, hand knitting items (sweaters, stoles, socks etc.).

Food Zone was organised by the students of B.Voc. (FSQC), B.A. Home Science and Food Processing.

In Exhibition-cum-Sale, various articles were prepared and displayed by the students of B.Sc. (FD) and B.Voc. (FT). Articles included bed sheets, pillow covers, scarves, table runners, saris, dupattas etc. made by tie-dye techniques, block and screen printing, embroidery etc.

- Recreational and Industrial Visit to Ludhiana and Amritsar was organized for the students of FD and FT from November 01-03, 2018. Students visited 'Shree Harimandir Sahib Ji', Jallianwala Bagh, Wagah Border, Durgiana Temple, Love-Kush Temple, Gobindgarh Fort etc. They were mesmerized by the beauty and view of the places visited. Students enjoyed the light and sound show, folk dances, 5-D show.
- Industrial visit to Jay Kay Hosiery Mill was organized where students learnt about different knitting machines and their knitting process. They also witnessed the journey of a garment from yarn.
- Organised a Knitting Workshop from December 14 to 17, 2018 for the students of FD and FT. The Resource Person from Yadav Knits taught various knit stitches on flat bed machine and its working. Students made articles like mufflers, bags, sweaters, caps, booties etc.
- Workshop on TUKA STUDIO was organized for students of Fashion Technology from January 21 to 23, 2019. Mr. Shiv Shankar Sharma (Sr. CAD specialist) from TUKA TECH Ltd., Gurgaon taught the seven modules- repeat, knits, jacquard, colourways, colour separation, storyboard and weaves.
- Workshop on Weaving was organized for students of FD and FT from January 22 to 23, 2019. The Resource Person Mr. Ajay from Weaver Service Center, Panipat demonstrated about handloom and initial process of weaving. Further, he taught the drafting and lifting plan for different weaves. Students learned how to operate a handloom and make different and beautiful designs through weaving.

Painting competition held on August 24, 2018 as part of Talent Show

Fashion marker machine workshop from September 14-17, 2018 by resource person Mr. Rawat from USHA Company

Industrial visit to Gayatri Khadi, Karnal on October 1, 2018

Industrial visit to weaver's service centre Panipat on September 25 and 26, 2019

Industrial and recreational visit to Ludhiana and Amritsar from November 01-03, 2018

- Kanika of our college won 2nd Prize in Rangoli and Sidhi won 3rd Prize in Embroidery in the State Level Inter-College Rangoli and Embroidery Competition organized by Mata Sundari Khalsa Girls College, Nissing on February 09, 2019.
- Kavita and Neetu of B.Sc. (FD) participated in Face Painting Competition as a part of YRC Fest and Oath Taking Ceremony organized by Youth Red Cross, Sanatan Dharama College (Lahore), Ambala Cantt. and Indian Red Cross Society on February 20, 2019.
- Shagun and Reena won 2nd Prize in Inter-College Best Out of Waste Competition held at DN College, Kurukshetra on February 26, 2019.
- Workshop on First Aid was organized from February 19 to 28, 2019. The Resource Person was Mr. M.C. Dhiman from Saint John Ambulance Association, Red Cross Society, Karnal. In these eight days workshop, the students were made aware of the importance of First Aid in several situations.
- Raveena of B.Voc. (FT) won 1st Prize in Mehendi and Kanika of B.A. (H.Sc) won 1st Prize in Rangoli Competition held at Atal Park, Karnal on the occasion of 18th Spring Fest and Flower Exhibition on March 02, 2019.
- Rangoli and Flower Arrangement Workshop was organized for the students of Home Science on March 14, 2019. The Resource Person Ms. Jyoti Malhotra discussed and taught new techniques for making Rangoli in a quick and easy way. Students were keen to learn different types of flower arrangement techniques.
- Department of Home Science conducted Rangoli, Fabric Painting, Embroidery, and Waste-o-Mania Competitions under the banner "INDRADHANUSH"- State Level Inter-College Literary, Fine Arts and Music Carnival on March 16, 2019.

  Embroidery Competition: Asha Rani and Anchal of Arya Kanya Mahavidhalya, Shahabad got 1st Prize, Rajia of Govt. College for Women, Karnal got 2nd and Jyoti of our college got 3rd Prize.

  Fabric Painting Competition: Saloni Singh of Pt. CLS Govt. PG College, Karnal won 1st Prize, Anjali of our college won 2nd and Bharti of Mata Sundri Khalsa Girls College, Nissing got the 3rd Prize.

  Waste-o-Mania Competition: Raveena and Komal of our college won 1st Prize, Nimesh Goel of IB (PG) College, Panipat won 2nd and Ramneet Kaur of Arya Kanya Mahavidyalaya, Shahabad won the 3rd Prize.

District Level Rangoli Competition held on October 2018 in collaboration with Election Commission

Workshop on First Aid from February 19 -28, 2019 by Mr. Dhiman from Saint John Ambulance Assoication Red Cross Society, Karnal

Workshop on TUKA STUDIO from January 21-23, 2019 by Tuka Tech. Pvt. Ltd. Gurgoan

Workshop on flower arrangement and rangoli on March 14, 2019

State Level Inter-College Literacy, Fine Arts and Music Carnival INDRADHANUSH on March 16, 2019

Rangoli Competition: Sheetal Gupta of SD College, Ambala got 1st Prize, Shivani of Arya Kanya Mahavidyalaya, Shahabad got 2nd and Simran of DN College, Kurukshetra got 3rd Prize.

- **Bellza…Rock the Floor, 2019- Fashion Show** was organized by the Department of Home Science on March 28, 2019. Chief Guest for the event was Dr. Archana Mishra, Principal of Govt. PG. College, Panchkula and the Guest of Honour was Ms. Jagriti Panchal (Actress and Model).

  The event was sponsored by Ritu Kumar, Kalon Lounge, OPS Jewelers, SBI (Main Branch), EssKay Honda, Jeevan Jyoti Ayurveda, Karnal.

  Dr. Neeta Nagpal (Retired Principal, Govt. College Bapoli, Panipat), Dr. Abha Khetarpal (Head, Department of Home Science, DAV College for Girls, Yamunanagar), Ms. Manju Narwal (Asst. Professor, Department of Home Science, IIHS, KUK) were invited for the judgement of dresses by the designers and judgement of models was done by Ms. Jagriti Panchal (Actress and Model) and Mr. Aabhir Singh (Actor and Model). Different dresses were showcased in different rounds according to their themes.

  In 'Patriotism' Round, a tribute was given to our national heroes based on Pulwama Attack in which Mansi of B.A. I tagged the title for Best Model and Sonam got the 1st Runner-up title.

  'Allure' Round was presented by the students of B.Voc. II (FT) in which Nandini bagged the title of Best Designer and Best Model, Ritika got the title of 1st Runner-up Designer, Leeza got 2nd Runner-up Designer and Riya of B.B.A. III got the title of 1st Runner-up Model.

  Round 'Alhijab'- The Beauty in Veil was presented by the students of B.Sc. II (FD) in which Sonia got title of Best Designer, Stuti got the 1st Runner-up Designer, Tanu got the title of 2nd Runner-up Designer, Mansi got the title of Best Model, and Sheetal got 1st Runner-up Model.

  'Tanjori Tribes' Round was presented by the students of B.Voc. III in which Harmeet Kaur got the title of Best Designer, Ramandeep got 1st Runner-up Designer, Pooja got 2nd Runner-up Designer, Ritu Kataria got the title of Best Model and Kawalpreet Kaur got the 1st Runner-up Model.

  Round 'Divine Beauties' was presented by the students of B.Sc. III (FD) in which Riya got the Best Designer and Best Model, Priyanka got 1st Runner-up Designer, Anjali Bhardwaj got 2nd Runner-up Designer, and Monika got 1st Runner-up Model.

  'Battle of Poker Stars' Round was presented by B.Sc. III (FD) and B.Voc. I (FT) students in which Sonia got the title of Best Designer, Amandeep got 1st Runner-up Designer, Ravina got 2nd Runner-up Designer, Prathana Pal of B.Sc. I (FD) got the title of Best Model and Harshita of B.A. I got 1st Runner-up Model.

  'Classical Veterans' Round was presented by the students of B.Voc. III year (FT) in which Ritu Kataria got the title of Best Designer, Komalpreet got the title of 1st Runner-up Designer, Pawandeep got 2nd Runner-up Designer, Sonam of M.Sc. I got the title of Best Model and Mansi of B.Com. I got title of 1st Runner-up Model.

Belleza...Rock the Floor Fashion Show, 2019

Principal Madam welcoming the Chief Guest

Students show casing dress embellished with different types of LED's in round of STARRY NIGHT

Prize winner of GLITZ AND GLAMOUR

Tribute to our National Heroes in the round of PATRIOTISM

Dress made with playing cards in the BATTLE OF POKER STARS round

If you do not take an interest in the affairs of your government, then you are doomed to live under the rule of fools. –Plato

Department of Political Science

- Organized an Extension Lecture on "Career Opportunities in Political Science" on September 19, 2018. Dr. Shalini Sharma, Markanda National College, Shahabad, was the speaker of this lecture.
- An Inter-Class Quiz was also organized for the students of Political Science on September 19, 2018. Team of Nishu, Priyanka, Yashika got 1st prize, Amisha, Tanisha and Kirti got 2nd prize and Sarika, Jyoti and Navdeep got 3rd prize.
- Celebrated Constitution Day on November 26, 2018. Students and teachers took oath of Preamble of Constitution.
- Kirti and Sarika were selected in District Level Youth Parliament organized by Dyal Singh College, Karnal on January 30, 2019.
- Organized Quiz Competition on January 31, 2019 by JBD Group. Selected students participated in JBD Group Quiz Contest on February 17, 2019 at Raj Gharana Palace, Karnal.
- Organized State Level Quiz Competition on March 16, 2019 under the banner of INDRADHANUSH State Level Inter-College Competition in collaboration with the Departments of History and Economics. Our college got 1st prize, SD College, Ambala Cantt got 2nd prize and Pt. CLS Govt. PG College got 3rd prize.
- Organized excursion to Morni Hills and Chandigarh on April 04, 2019. Students visited Tikker Taal, Fort Museum, Paandav Temple in Morni Hills. Students also visited Gurudwara Nada Sahib, Rock Garden and Sukhna Lake in Chandigarh.

Floral welcome of Guest Dr. Shalini Sharma

Dr. Shalini (Chief Guest) telling our students about Career Opportunities in Political Science

Participants of Quiz Competition

Prize Winners of Quiz Competition with teaching faculty members

Taking Oath on Constitution Day with Principal Madam Ms. Sujata Gupta

Selected students in JBD Group Quiz Competition with Principal Madam and Teachers

Participants of Youth Parliament with Principal Madam and Ms. Anuradha Nagia

Ms. Tanisha receiving prize from the Guest

Principal Ms. Sujata Gupta, Guests and Organizers in State Level Inter-College Quiz Competition on March 16, 2019

Participants of Quiz Contest from various colleges

Ms. Anuradha Nagia anchoring the Quiz Contest

Principal Ms. Sujata Gupta giving away the prizes to the winners of Quiz Contest

Students at Nature Museum cum Learning Centre in Morni Hills

Students and Teachers at Rock Garden in Chandigarh

Department of Geography

Sitting (L to R): *Ms. Pinki, Ms. Santosh Bisla, Ms. Sujata Gupta (Principal), Ms. Renu Mehta, Ms. Kanwaljeet Virdi, Ms. Leena Rani*

- The Department observed the **"Ozone Day"** on **September 17, 2018** by organizing a College Level Slogan Writing Competition. The results are as follows:
  - **First Prize:** Shivani, B.A. II
  - **Second Prize:** Vishakha, B.A. I
  - **Third Prize:** Ravina, B.Sc. III
- Dr. Vijay Arora, Principal Soil Scientist, CCS Haryana Agricultural University, Regional Research Centre, Karnal, delivered an **Extension Lecture** on **"Soil and Water Conservation"**, on **October 09, 2018**. He also distributed prizes to the winners of the College Level Slogan Writing Competition.
- The Department organized a visit to the Kisan Mela, Meteorological Observatory, GIS and Remote Sensing Laboratory and Herbal Garden of the Central Soil Salinity Research Institute, Karnal on October 09, 2018, for the students of Graduation and Post Graduation.
- Organized a two days field survey of Shyamgarh Village, Karnal from October 30 to 31, 2018 for the students of M.Sc. Final Year and B.A./B.Sc. III Year. During the survey the students collected data from 200 households of the village regarding different variables to assess the socio-economic status of the village.
- Ms. Muskan and Ms. Neha of B.A. III Year won first prize in the DGHE sponsored District Level Science Exhibition held at Pt. Chiranji Lal Sharma Govt. College, Karnal on February 15, 2019. They exhibited a model on **"Platforms in Remote Sensing"** and presented the same model at the State Level Science Exhibition held at Pt. Neki Ram Govt. College, Rohtak on February 17 and 18, 2019.
- Organized Collage Making and Painting Competition on **"Sustainable Development for a Greener Future",** on March 16, 2019 under the banner of Indradhanush. The competitions were judged by the esteemed judges

Students participating in the Slogan Writing Competition on Ozone Day on September 17, 2018

Students with their slogans during Slogan Writing Competition on Ozone Day on September 17, 2018

Officiating Principal Ms. Renu Mehta and Ms. Santosh Bisla, HOD Department of Geography along with other faculty members extending a floral welcome to Dr. Vijay Arora

Ms. Nutan Narang (Retd. Associate Professor and HOD, Dept. of Botany) and Dr. Ritu Chakarabarty (Senior Scientist, Dairy Extension Division, NDRI, Karnal). Results of this event were as follows:

Collage Making Competition

- **Ist Prize:** Raahat (Pt. Chiranji Lal Sharma Govt. College, Karnal).
- **IInd Prize:** Veenu (DAV College for Girls, Yamunanagar).
- **IIIrd Prize:** Sunidhi (Pt. Chiranji Lal Sharma Govt. College, Karnal).

  Gagandeep Kaur (Mata Sundri Khalsa Girls College, Nissing, Karnal).

Painting Competition

- **Ist Prize:** Jagdeep Singh (Maharaja Agrasen Mahavidyalaya).
- **IInd Prize:** Vishakha (KVA DAV College for Women, Karnal).

  Harmanjot (Mata Sundri Khalsa Girls College, Nissing, Karnal).
- **IIIrd Prize:** Akhil Dhiman (Maharaja Agrasen Mahavidyalaya)

  Divya (DAV College for Girls, Yamunanagar)

Dr. Vijay Arora delivering a lecture on Soil and Water Conservation on October 09, 2018

Dr. Vijay Arora distributing prizes to the winner of the College Level Slogan Writing Competition

Students of Geography at the Agricultural Meteorological Observatory of CSSRI, Karnal

Demonstration of the recording of soil moisture to the students at the Agricultural Meteorological Observatory of CSSRI, Karnal

Students of Geography along with the faculty at the Swarn Jayanti Krishi Unnati Mela held at CSSRI, Karnal

Students along with faculty members visiting village Shyamgarh, Karnal for conducting a socio-economic survey on October 30 and 31, 2018

A group of students interviewing a resident of Shyamgarh village

Students participating in the Collage Making and Painting Competition during Indradhanush held on March 16, 2019

Madam Principal, Ms. Sujata Gupta distributing prizes to the winners of Collage Making and Painting Competition

Flowers are restful to look at. They have neither emotions nor conflicts. –Sigmund Freud

Science Faculty

Department of Botany

- **Educational Visit to Village Jundla, Karnal** was organized on July 30, 2018 for the students of B.Sc. I, where they studied about aquatic ecosystem and collected algae from different ponds of the village.
- **Tree Plantation Drive** was organized by Department of Botany and Eco-Club of our college, on **August 04, 2018**. Tree plantation was done by Ms. Sujata Gupta, Hon'ble Principal, KVA DAV College for Women, Karnal in the college premises. Saplings were also distributed to the students.
- **Extension Lecture** and an **Exposure Visit** to **"Centre for Excellence of Vegetables"** Gharaunda, Karnal was organized for the students of B.Sc. II on **September 21, 2018.** During this visit, general orientation of students was done by Mr. Rajender Kajal, Vegetable Expert, CEV and an extension lecture on advanced agricultural techniques was delivered by Dr. Deepak Kumar, Deputy Director, CEV. Later, Mr. Attar Singh Sangwan, Organic Expert, CEV demonstrated about different methods for preparation of organic manure and Mr. Sanjay Pundir,

Students collecting algae from a pond at village Jundla, Karnal

Hon'ble Principal Madam, Ms. Sujata Gupta and Botany staff planting a sapling in the college premises

Students of B.Sc. II at "Centre for Excellence of Vegetables" (CEV) Gharaunda, Karnal

Extension Lecture for students by Dr. Deepak Kumar, Deputy Director, CEV

Mr. Attar Singh Sangwan demonstrating preparation of organic manure

Students of B.Sc. III at Krishi Mela of Central Soil Salinity Research Institute (CSSRI), Karnal

Floriculturist, discussed various floriculture techniques being used at the centre.

- **District Level Science Quiz Competition** was organized by Pt. Chiranji Lal Sharma Govt. PG College, Karnal (Nodal College) on **September 15, 2018**. Two of our students *viz*. Ms. Manisha and Ms. Ekta participated in the same in one of the teams. Their team also got selected for further Zonal Level Science Quiz Contest.
- **Visit** to **Central Soil Salinity Research Institute (CSSRI)- Krishi Mela** was organized on **October 09, 2018** for the students of B.Sc. III.
- **Resuscitation Awareness Campaign** was organized in association with **Indian Society of Anaesthesiology** on **October 23, 2018**, under the aegis of **Indian Resuscitation Council of ISA**. Major objective of this campaign was to make every Indian citizen a life-saver. During this campaign, Dr. Sunil Sethi, Dr. Vivek Gakhar, Dr. Lalit Kumar and Dr. Vinod Sharma demonstrated the heart resuscitation technique to students.
- **District Level Essay Writing Competition**: Two of our students- Ms. Barjinder and Ms. Priyanshi of B.Sc.II participated in this competition organized by **Govt. of Haryana**, at Pt. Chiranji Lal Sharma Govt. PG College, Karnal on **October 25, 2018. Both of them got selected for the further State Level Competition.** They also participated in the State Level Essay Writing Competition held on **January 14, 2019** organized at University College, KUK.

Team of doctors demonstrating the heart resuscitation technique to students.

Our students presenting the Botany model at District Level Science Exhibition at Pt. Chiranji Lal Sharma Govt. College, Karnal on February 15, 2019

- **DGHE sponsored District Level Science Exhibition:** Two of our students prepared a Science Model on the Topic **"Crop Stubble: Waste Until Not Wasted"** and presented it during this Exhibition at held at Pt. Chiranji Lal Sharma Govt. College, Karnal on **February 15, 2019**. Our model bagged **first prize** during the same and was considered eligible to be presented at further state level competition. The same model again bagged **first prize at State Level Science Exhibition** held at Rohtak on **February 17 and 18, 2019**.
- Our students participated in State Level Competitions during Science Day Celebrations organized by Pt. Chiranji Lal Sharma Govt. PG College, Karnal on **February 27 and 28, 2019**. They bagged 2nd Prize in Science Exhibition and 2nd Prize in Quiz Competition.
- A model entitled **"Futuristic Uses of Crop Stubble"** was also presented at State Level Science Exhibition organized by Department of Chemistry, Arya P.G. College, Panipat on **February 27, 2019**, under the **theme "Clean and Green Earth"**.
- **Educational Visit to Horticulture Training Institute, HAU Regional Station Uchani**: Students of B.Sc. II visited the institute on **February 25, 2019** where Dr. Joginder Singh, Principal and Joint Director, Horticulture addressed the students and motivated them to pursue a career in horticultural science. Dr. Ritu (Training Officer) briefed them about various horticulture techniques, following which the students visited the herbal park maintained there. Students also collected weeds for their herbarium files.
- **Industrial Visit to Cooperative Sugar Mill, Karnal**: Students of B.Sc. III visited the mill on **March 05, 2019**. They saw their production unit and electricity generation unit. Students were also told about the pollution control measures adopted by the mill.
- **Quiz Competition and Poster Making Competition organized by Dyal Singh College, Karnal on March 07, 2019:** Ms. Ekta and Ms. Yogita of B.Sc. III participated in the Quiz Contest. Ms. Sushmita of B.Sc. III and Ms. Khushboo of B.Sc. I participated in the Poster Making Competition.
- **Indradhanush: State Level PowerPoint Presentation Competition:** was organized by Department of Botany on **March 16, 2019.** The presentations were adjudged by the esteemed judges Ms. Nutan Narang (Retd. Associate Professor and HOD, Department of Botany) and Dr. Ritu Chakarabarty (Senior Scientist, Dairy Extension Division, NDRI, Karnal).

1st Prize during State Level Science Exhibition at Pandit Neki Ram Sharma Govt. College, Rohtak on February 18, 2019

2nd Prize at Science Exhibition organized during Science Day Celebrations at Pt. Chiranji Lal Sharma Govt. PG College, Karnal on February 27 and 28, 2019

Model presented on "Futuristic Uses of Crop Stubble" at Arya PG College, Panipat, February 27, 2019

Visit to Horticulture Training Institute, HAU Regional Station Uchani

Dr. Ritu guiding the tour of students in the institute

Students at the Herbal Park of the institute with Dr. Ritu

Results of this event were as follows:

- ❖ **Ist Prize:** Ms. Gurleen and Ms. Mehak Jain (DAV College, Yamunanagar)
- ❖ **IInd Prize:** Ms. Twinkle and Mr. Saurabh (SD College, Ambala)
- ❖ **IIIrd Prize:** Ms. Manisha and Ms. Chanchal (KVA DAV College for Women, Karnal)

✦ Two of our pass out students Ms. Ritu and Ms. Navneet who are pursuing their M.Sc. Biotechnology from our college qualified UGC-NET exam. Another student Ms. Ekta of B.Sc. III Medical qualified IIT JAM exam, 2019.

Students at Cooperative Sugar Mill, Karnal

Participants of PPT Competition: Indradhanush, March 16, 2019

Students at Tissue Culture Lab of Sugar Mill

Prize Distribution Ceremony of Indradhanush: State Level PPT Competition

Department of Physics

✦ District level Science Quiz Competition was organized by Pt. Chiranji Lal Sharma Govt. College, Karnal on September 15, 2018. Two teams participated from our college. Ms. Muskan and Ms. Nancy of B.Sc. 3rd year (N.M.), Ms. Simran and B.Sc. 2nd year (N.M) cleared first round and Ms. Nancy cleared 2nd round.

✦ **District Level Essay Writing competition** was organized by Pt. Chiranji Lal Sharma Govt. College, Karnal on October 26, 2018. Ms. Ruby B.Sc. 2nd year (N.M) and Ms. Sanjana B.Sc. 2nd year from Physics Department participated. Both of them were selected for State Level Competition**. Ms. Sanjana got 1st position** and **Ms. Ruby got 6th position.**

✦ State Level Essay Writing Competition was organized by University College, Kurukshetra on January 23, 2019. Ms. Sanjana and Ms. Ruby of B.Sc 2nd year participated.

✦ Physics Department with the help of **Bansal Academy** organized a Seminar cum Informative Talk on **"Future Prospects in Career for Science Graduates" on** February 06, 2019. Ms. Rajbeer Kaur and Ms. Priyanka delivered a lecture about various exams and methods to get success in their education.

Ms. Rajbeer Kaur delivering her informative talk.

Students of Physics attending the Seminar

- **Education Director and Alumnus of IIM Ahmedabad** and author of the book "The Switch from Good to Great"- Mr. Vishal Sood and Mr. Vikrant from Markanda Mullana University delivered a motivational lecture to our students on February 06, 2019.

Mr. Vishal Sood guiding the students for higher studies

- Ms. Sweta (B.Sc. 2nd year) and Ms. Upma (B.Sc. 3rd year) participated in Inter-district Science Exhibition held on February 15, 2019 at Pt. Chiranjii Lal Govt. P.G College, Karnal.

Students presenting their Physics project

- Poster-making Competition was organized by the Department on February 16, 2019. Results are as follows:
  - **Ms. Ruby of B.Sc. 2nd year : 1st Position**
  - **Ms. Ritu of B.Sc. 3rd year : 2nd Position**
  - **Ms. Palak of B.Sc. 1st year : 3rd Position**
  - **Ms. Madhu Mehla of B.Sc. 3rd year: Consolation Prize**

Judges judging the Poster-making Competition

Student receiving Prize from Dr. O.P Pandey (Astrophysicist)

- **Inter College Science Exhibition** was organized by **D.A.V. P.G College Karnal** on February 18, 2019. Our team participated and **stood 3rd** in the **Model Presentation** "Sumer Selfi". Participants were **Ms. Sweta, B.Sc. 2nd year (N.M) and Ms. Upma B.Sc. 3rd year (N.M).** Also **Ms. Ruby B.Sc. 2nd year (N.M.)** participated in **Poster Presentation** on the topic "Renewable Resources" and **stood 1st.**

Highlighted students won prizes at Inter-college Science Exhibition held at DAV PG College, Karnal.

- Organised an Informative Talk on "Our Universe" by **Dr. Om Prakash Pandey (Astrophysicist) Ex. OSD to Prime Minister on** February 18, 2019.

Floral welcome to Dr. OP Pandey (Astrophysicist) by Principal Madam

Dr. O.P. Pandey delivering talk on "Our Universe"

ACHIEVEMENTS

- **Ms. Lalita Rani** pursued her B.Sc. (CS) from our college in batch 2013-16. She has cleared **CSIR JRF (NET)-UGC** held on December 16, 2018. She is presently working as **Assistant Professor** in Arya Girls College, Matloda, Panipat.

- **On Science Day**, 28th February, 2019, Pt. Chiranji Lal Sharma Govt. P.G College, Karnal organized State level Science Quiz, our team consisting of **Ms. Sanjna, B.Sc. 2nd year (N.M.) and Ms. Shruti B.Sc. 3rd year (N.M.) stood 1st**.

Students receiving prizes at Pt. CLS Govt PG College, Karnal

- **Ms. Swati of B.Sc. 3rd year (N.M.)** participated in Essay Writing Competition organized by Pt. Chiranji Lal Sharma Govt. P.G College, Karnal on the eve of **Science Day** (28th February, 2019) and obtained **2nd position**.

Ms. Swati receiving her prize at Pt. CLS Govt. PG College, Karnal

Department of Zoology

Mr. Neeraj Choudhary, explaining the students of Zoology about fish culture in fresh-water ponds at ***"Sultan Fish Seed Farm,"*** *during their visit on August 02, 2018*

*Students of B.Sc. III during their Educational Trip to "***Sultan Fish Farm" Nilokheri,** *August 02, 2018*

Students with Dr. Sonika Ahlawat Scientist (SS) NBAGR, Karnal, September 07, 2018

- Educational trip for the students of B.Sc. III was organized to **'Sultan Fish Seed Farm'**, Nilokheri, on August 02, 2018 and 46 students participated in the trip.
- An educational visit to **National Bureau of Animal Genetic Resources, Karnal,** was organized for the students of B.Sc. II on September 07, 2018 and 48 students participated during the visit.
- Ms. Ekta (B.Sc. III) got 2nd Prize in Inter College Science Quiz, organized in KVA DAV College for Women, Karnal, on September 08, 2018.
- A seminar on **'Gametogenesis and Cleavage'** was organized for the students of B.Sc. III on September 13, 2018. Students made the presentation through PowerPoint and all students actively participated in the discussions.
- Ms. Ekta and Ms. Manisha of B.Sc. III got IV position in **District Level Quiz Competition** held at Pt. C.L.S. Govt. P.G. College, Karnal on September 15, 2018.
- **'Ozone Day Celebrations'** were organized on September 17-18, 2018. Under this event following activities were performed:

  Inter-College Essay Writing Competition on

  - Effects of Ozone Layer Depletion.
  - Remedial measures to counter ozone layer depletion

  About 9 different colleges participated in the event and 24 entries of the essays on above topics were received.

  An Extension Lecture by Dr. Anita Bhatnagar, Department of Zoology, K.U.K. was delivered on **'Protection of Ozone Layer'** to spread awareness on the measures to protect the ozone layer and implementation of the same at ground level by using eco-friendly materials on September 18, 2018.
- An Extension Lecture on '**Applications of Animal Cell Culture'**, was organized on September 22, 2018. Dr. Eshu Singala Sinha, Inspire Faculty, Punjab University, Chandigarh was the resource person.
- Hands-on-Training on **'Animal Cell Culture'** was organized on September 22, 2018 and about 40 students actively participated in the workshop and learnt the basics of techniques of animal cell culture.
- A seminar on 'Foot in Mollusca' and 'Gills in Mollusca' was organized on February 06, 2019 for the students of B.Sc. I. All the students actively participated in the seminar. Ms. Khushboo and Ms. Chetna got 1st and 2nd positions respectively.
- Ms. Manisha (B.Sc. III) and Ms. Monika (B.Sc. II) presented a model on topic 'Zika Virus: Challenge to Mankind' in **District Level Exhibition**,' at Pt. C.L.S. P.G. Govt. College on February15, 2019 and got 1st prize.
- Ms. Manisha (B.Sc. III) and Ms. Monika (B.Sc. II) presented a model on topic **'Zika Virus : Challenge to Mankind' in State Level Exhibition**, and bagged 2nd position on February 17 and 18, 2019.
- **Intra-College Collage Display and PowerPoint Presentation Competition for Sustainable**

Dr. Sonika Ahlawat, Scientist (SS), Animal Biotechnology *providing the basic knowledge of techniques used for animal welfare at NBAGR, Karnal, September 07, 2018*

Development was organized by Department of Zoology on February 18, 2019 for short listing for State Level Competition.

No. of students participated in Collage Display – 08
No. of Students participated in PowerPoint Presentation – 05

Two students from each event were short listed for the entries in the State Level Seminar to be held on February 22, 2019.

- State Level Seminar on '**Green Technology for Sustainable Development'** was organized on February 22, 2019. Seventy three students from 15 different colleges from all over Haryana participated in the **Oral Presentations and Collage Display Events.**
- Ms. Neha (B.Sc. II) got 3rd position in **Oral Presentation Competition** and Ms. Khushboo (B.Sc. I) secured 1st position in **Collage Display Competition**.
- An educational trip to '**Chhatbir Zoo'** was organised and about 43 students of B.Sc. II visited the Zoo to study and identify the animals in the Zoo on March 02, 2019.

Students viewing the National Gene Bank at NBAGR, Karnal

Students of B.Sc. III, Ms. Riya and Ms. Manisha presenting a PPT

Dr. Eshu Singala Sinha, DBT – Inspire Faculty, Department of Biotechnology, PU, Chandigarh demonstrated the various aspects of animal cell culture and preparation of media

Hands – on – training on various aspects of animal cell culture and preparation of media

Off. Principal, Ms. Renu Mehta, Ms. Santosh Bisla, Dr. Manju Bala Sharma and Dr. Arminder Kaur extending a floral welcome to Dr. Anita Bhatnagar, K.U.K.

Dr. Anita Bhatnagar delivering an Extension Lecture on "Ozone Layer Depletion and Remedial Measures"

Student of B.Sc. I presenting PPT on the topic **'Foot in Mollusca' and 'Gills in Mollusca'**

Ms. Manisha (B.Sc. III Year Medical) and Ms. Monika (B.Sc. II Year Medical), receiving the Award for winning the First Prize in the District Level Science Exhibition held at Pt. Chirangi Lal Sharma Govt. P.G. College, Karnal on 15.02.2019

In a gentle way, you can shake the world. –Mahatma Gandhi

Ms. Manisha (B.Sc. III Year Medical) and Ms. Monika (B.Sc. II Year Medical), students of Department of Zoology participated in the State Level Science Exhibition held at Pt. Neki Ram Sharma Govt. College Rohtak on February 17 and 18, 2019 and explained their working model on 'ZIKA VIRUS- Challenge to Mankind"

Ms. Manisha (B.Sc. III Year Medical) and Ms. Monika (B.Sc. II Year Medical), receiving the Second Prize at the State Level Science Exhibition held at Pt. Neki Ram Sharma, Govt. College, Rohtak on February 17 and 18, 2019

Dr. Manju Singh and Dr. Ashima Gakhar, judging the Collage Display at Intra-College Competition on February 18, 2019 in the Department of Zoology

Prof. Jagbir Singh Kirti, delivering the Keynote Address on February 22, 2019

Ms. Neha delivering her presentation during the Seminar on "Green Technology for Sustainable Development", February 22, 2019

Chief Guest Prof. Jagbir Singh Kirti, Special Guests Dr. Suman Kapila (Principal Scientist, Animal Biochemistry Division, NDRI - Karnal) and Dr. Reena Arora (Principal Scientist, Animal Biotechnology, NBAGR- Karnal) distributing prizes to the winners of Collage Display/ Oral Presentation during the Seminar on "Green Technology for Sustainable Development", February 22, 2019

Students of B.Sc. II year during educational trip to **"Chhatbir Zoo"** *on March 02, 2019*

Department of Biotechnology

Visit of M.Sc.II (Biotechnology) students to Sri Harmandir Sahib, Amritsar on September 15, 2018

Visit of M.Sc. II (Biotechnology) students to Jallianwala Bagh, Amritsar on September 16, 2018

Visit of M.Sc. II (Biotechnology) students to Partition Museum, Amritsar on September 16, 2018

Visit of M.Sc. II (Biotechnology) students to Wagah Border, Amritsar on September 16, 2018

Dr. Eshu Singala Sinha, DBT – Inspire Faculty, Department of Biotechnology, Punjab University, Chandigarh delivering an Extension Lecture on September 22, 2018

Hands-on-Training on Various Aspects of Animal Cell Culture and Preparation of Media on September 22, 2018

- Visit to Golden Temple, Jallianwala Bagh, Partition Museum and Wagha Border, Amritsar was organized for the students of M.Sc. II (Biotechnology) on September 15-16, 2018.
- Department of Zoology and Biotechnology organized an Extension Lecture on the "Protection of Ozone Layer" on September 18, 2018. Resource Person was Dr. Anita Bhatnagar, Department of Zoology, KUK.
- Department of Zoology and Biotechnology organized an Extension Lecture on "Applications of Animal Cell Culture" on September 22, 2018 by Dr. Eshu Singala Sinha DST Inspire Faculty, Punjab University, Chandigarh.
- Organized Hands-on-Training in collaboration with the Dept. of Zoology on Various Aspects of Animal Cell Culture and Preparation of Media conducted by Dr. Eshu Singala Sinha, DBT – Inspire Faculty, Department of Biotechnology, Punjab University, Chandigarh on September 22, 2018.
- Organized an Industrial Visit to YAKULT for M.Sc. I (Biotechnology) and B.Sc. II (Biotechnology) students on October 25, 2018.
- Organised Intra-College Collage Display Competition on February 18, 2019 in collaboration with the Dept. of Zoology. Dr. Manju Singh, Head, Dept. of Chemistry and Dr. Ashima Gakhar, Head, Dept. of Botany were the honourable judges.
- Organised the State Level Student Seminar on the topic "Green Technology for Sustainable Development" on February 22, 2019 in collaboration with the

Dept. of Zoology. Prof. Jagbir Singh Kirti, Dept. of Zoology and Environmental Sciences- Punjabi University, Patiala was the Chief Guest and delivered the Key Note Address. Oral Presentations and Collage Display Competition was also organised. Dr. Suman Kapila (Principal Scientist-NDRI) and Dr. Reena Arora (Principal Scientist-NBAGR) were the judges.

Dr. Anita Bhatnagar delivering an Extension Lecture on "Ozone Layer Depletion and Remedial Measures" on September 18, 2018

The Department of Biotechnology organized an Industrial Visit to YAKULT for M.Sc. I (Biotechnology) and B.Sc. II (Biotechnology) students on October 25, 2018.

Dr. Manju Singh and Dr. Ashima Gakhar judging the Collage Display at Intra-College Competition on February 18, 2019 in the Department of Zoology

Prof. Jagbir Singh Kirti, Chief Guest for the State Level Seminar on "Green Technology for Sustainable Development", delivering the Keynote Address on February 22, 2019

Dr. Suman Kapila (Principal Scientist-NDRI) and Dr. Reena Arora (Principal Scientist-NBAGR) judging the Collage displayed on February 22, 2019

A student participant delivering her PowerPoint Presentation in the Competitive Category at the State Level Seminar on "Green Technology for Sustainable Development", on February 22, 2019

Prof. Jagbir Singh Kirti distributing prizes to the Winners for Oral Presentation and Collage Display on February 22, 2019.

Department of Chemistry

- Chemistry Dept. organized an Extension Lecture on **"Stereochemistry: Concepts and Applications"** for B.Sc. students on August 31, 2018. **Dr. Neera Raghav, Professor, Chemistry Dept., K.U.K** was the distinguished speaker.
- To induce scientific temperament among students, an **Inter-College Science Quiz** was organized by the Dept. on **September 08, 2018.** Nine teams from various colleges of Haryana participated in this quiz. Six teams were selected after screening test.
- Principal, **Ms. Sujata Gupta,** gave prizes to the winning teams. Ms. Ananya, Ms. Manjeet and Ms. Rupali from Dayal Singh College, Karnal, Ms. Ekta, Ms. Himani and Ms. Mukul from our college, Ms. Sarika, Ms. Keshav and Mr. Ajay from Arya P.G. College, Panipat won First, Second and Third Position respectively.
- **Ms. Ruby** (B.Sc. II) secured 6th position in **District Level Essay Writing Competition organized by Haryana State Council of Science and Technology** on October 26, 2018 at PCLS Govt. PG College, Karnal.
- One-day Workshop on "**Latest Technologies in Research"** was organized by the Dept. on January 29, 2019. During this, students (B.Sc. III) visited Ebro India, Taraori, Karnal.
- Four students: **Ms. Sanjana** (B.Sc. II), **Ms. Priyanshi** (B.Sc. II), **Ms. Ruby** (B.Sc. II) and **Ms. Barjinder** (B.Sc. II) participated in State Level Essay Writing Competition held at University College, Kurukshetra on **January 23, 2019.**
- In the Inter-District Science Exhibition, organized by the DGHE, Haryana held at PCLS govt. PG College, Karnal on **February 15, 2019**, Chemistry Dept. model - **"Chemistry in Sustainable Development"** presented by **Ms. Muskan** (B.Sc. III) and **Ms. Sanjana** (B.Sc. II) secured First Position. This model was selected for State Level Exhibition, held at Pt. Neki Ram Sharma Govt. College, Rohtak on **February 17-18, 2019**.
- Our student **Ms. Barjinder Pal Kaur** (B.Sc. II) participated in Inter-College Poster Making Competition organized by DAV PG College, Karnal on **February 18, 2019.**
- The All India Science Congress: Rohtak Chapter and DHE celebrated Science Day at Arya PG College, Panipat on **February 27, 2019.** The model from Dept. of Chemistry secured Third Position.
- **"Poster Making Competition"** was organized under the banner of Inter-College Arts and Music Carnival **"INDRADHANUSH"** on **March 16, 2019**. Team of Pt. Chiranji Lal Sharma Govt. PG College, Sec. 14, Karnal secured I[st] position, Dayanand Mahila Mahavidyalaya, Kurukshetra secured 2[nd] position; Maharaja Agrasen Mahavidyalaya, Yamunanagar and Dyal Singh College, Karnal secured 3[rd] position.

Warm welcome to Dr. Neera Raghav, Professor, Chemistry Dept., K.U.K. by Ms. Sujata Gupta (Principal), Ms. Renu Mehta, Dr Manju Singh (HOD) and Dr. Ashima Gakhar

Dr. Neera Raghav, Professor, Chemistry Dept., K.U.K.

Chemistry students attending extension lecture on "Stereochemistry: Concepts and Applications"

Science is organized knowledge. Wisdom is organized life. –Immanuel Kant

Green welcome to Principal of the college Ms. Sujata Gupta by Dr. Manju Singh (HOD, Chemistry) and Dr. Ashima Gakhar (HOD, Botany) in Inter-College Science Quiz

Selected teams from different colleges in Inter-College Science Quiz on September 08, 2018

Ms. Priyanshi, Ms. Ruby, Ms. Sanjana and Ms. Barjinder, (B.Sc. II) won top four positions in District Level Essay Writing Competition organized by Haryana State Council of Science & Technology being felicitated by Ms. Sujata Gupta, Principal of the college

Ms. Vamakshi introducing the selected teams

Visit to *Ebro India Pvt. Ltd.*

Principal, Ms. Sujata Gupta, Science faculty and teams in Inter-College Science Quiz held on September 08, 2018

Mr. Vinay demonstrated sample preparation, organic and inorganic estimation using FTIR

Ms. Muskan (B.Sc. III) and Ms. Sanjana (B.Sc. II) with the model at the Inter-District Science Exhibition, organized by the DGHE, Haryana

Ms. Sanjana and Ms. Muskan receiving prize money at Arya P.G. College, Panipat on Science Day

"Poster Making Competition" was organized under the banner of Inter-College Arts and Music Carnival "INDRADHANUSH" on March 16, 2019

Participants briefing their posters to the judges, Dr. Ritu Chakarvarty and Ms. Nutan Narang

Dr. Manju Singh, HOD, felicitated by the Principal, Ms. Sujata Gupta on the Convocation Day i.e. March 06, 2019 for achieving Ph.D. degree

The science of today is the technology of tomorrow. –Edward Teller

Department of Computer Science

Sitting (L to R): *Ms. Megha, Ms. Kirti, Ms. Mamta, Ms. Divya, Ms. Sakshi Aneja, Ms. Sujata Gupta (Principal), Ms. Habinder, Ms. Gurcharan, Ms. Prashantika, Ms. Gagandeep*

Standing (L to R): *Ms. Ravneet, Ms. Mehak, Ms. Neha Sharma, Ms. Neha Dutta, Ms. Shivani*

- Ms. Komal student of M.Sc. Final (CS) got **1st Prize in Quiz Contest** in Zonal Youth Festival held on October 08, 2018 at Guru Brahmanand College for Women, Kurana (Panipat).

Winners of Quiz Contest at Zonal Youth Festival

- Ms. Tarjeet (M.Sc.-II, CS) **participated in Documentary** on topic **"Sundar Pichai"** in Inter-District National Science Day 2019 held on February 27-28, 2019 at CLG Govt. College, Karnal.

Ms. Tarjeet **participating in Documentary** *on the topic* **"Sundar Pichai"**

- Ms. Aarushi (M.Sc.-I CS) and Ms. Rashmeet (M.Sc.-I CS), got **2nd Prize in PowerPoint Presentation** on the topic **"Virtual Reality"** in Inter-College Cultural Fest-2019 held on March 08, 2019 at Guru Nanak Khalsa College, Karnal.

Ms. Aarushi and Rashmeet receiving the 2nd Prize in PowerPoint Presentation on March 08, 2019 at Guru Nanak Khalsa College, Karnal

- Ms. Shivani (B.C.A. III) and Ms. Kirti (B.C.A. III) **participated in PowerPoint Presentation** in the State Level Inter-College IT-Fest Zerone-2K19 held on March 09, 2019 at Arya PG College, Panipat.

Ms. Shivani and Ms. Kirti delivering the **PowerPoint Presentation** *in the State Level Inter-College IT-Fest Zerone-2K19*

- Ms. Aarzoo (B.A.-II CS) got **2nd Prize in "Poster Making Competition"** in State-Level Inter College IT-Fest Zerone-2K19 held on March 09, 2019 at Arya PG College, Panipat.

Ms. Aarzoo participating in Poster Making Competition in State-Level Inter College IT-Fest Zerone-2K19

- A Lecture on **Career Counseling** attended by the students of B.C.A.-III, B.Sc. III CS and B.Sc. III CA. Job Drive by IT Based Company "**Flying Grid Solutions**" on March 15, 2019 in our College.

Job Drive for Computer Graduates

- Ms. Aarushi (M.Sc.-I CS) and Ms. Rashmeet (M.Sc.-I CS) got **Ist Prize in PPT Presentation** on the topic **"Virtual Reality"** in Inter-District National Science Day-2019 held on February 27 and 28, 2019 at Pt. CLS Govt. College, Karnal.

Ms. Aarushi and Rashmeet delivering a PowerPoint Presentation on topic ***"Virtual Reality"*** *at Pt. CLS Govt. College, Karnal*

- Ms. Shivani (B.C.A.-III) and Ms. Swati (B.Sc.-III CS) participated in AI Based Project on "Road Safety" in Inter-District Level Science Exhibition 2018-2019 held on February 15, 2019 at CLG Govt.College, Karnal.
- Ms. Aarushi (M.Sc.-I CS) got Consolation Prize in "Folk Song" in Inter-College Cultural Fest-2019 held on March 08, 2019 at Guru Nanak Khalsa College, Karnal.
- Ms. Sapna (B.C.A. III) participated in **On The Spot Code Correction** in State-Level Inter College IT-Fest Zerone-2K19 held on March 09, 2019 at Arya PG College, Panipat.
- Ms. Karandeep (B.C.A. III) **participated in On-The Spot Design Website Designing** in State-Level Inter College IT-Fest Zerone-2K19 held on March 09, 2019 at Arya PG College, Panipat.
- Ms. Kalpana (B.Sc. III CS) and Ms. Swati (B.Sc. III CS) **participated in Quiz Competition** in State-Level Inter College IT-Fest Zerone-2K19 held on March 09, 2019 at Arya PG College, Panipat.

Placement 2018-19

- Ms. Shivani (B.C.A.-III), Ms. Kirti (B.C.A.-III) and Ms. Kalpana (B.Sc.-III CS) got placed in **Infosys Technologies Ltd.** through Mega Placement at GRD group of Colleges Ropar held on February 4, 2019.
- Ms. Mehak (M.Sc. II CS), Ms. Sakshi (M.Sc. II CS), Ms. Tarjeet (M.Sc. II CS) got placed in **Flying Grid Solutions Pvt. Ltd.** through Placement Drive at Guru Nanak Khalsa (PG) College, Karnal held on March 28, 2019.
- Ms. Sakshi (M.Sc. II CS) got placed in Globex Solutions and **Net Solutions** through Placement Drive at Guru Nanak Khalsa (PG) College, Karnal held on March 28, 2019.

Not everything that can be counted counts, and not everything that counts can be counted. –Albert Einstein

Department of Mathematics

Sitting (L to R): *Ms. Silky Puri, Ms. Meenu Kalra, Dr. Shweta Dhawan, Ms. Sujata Gupta (Principal), Ms. Renu Mehta, Dr. Manju Sharma, Ms. Vandana Sharma*

Standing (L to R): *Ms. Pooja, Ms. Aanchal Rohila, Ms. Sakshi*

- Intro-Party of M.Sc. (Maths) was organized on September 15, 2019 for first semester students. Principal, Ms. Sujata Gupta, HOD Dr. Shweta Dhawan and Dr. Manju Sharma judged the Miss Fresher Contest. Ms. Deepakshi bagged the title of Miss Fresher, M.Sc. (Mathematics), 2019. Ms. Ritu was crowned as the First Runner-up. Miss Elegant title went to Ms. Jyoti Prajapati.

- A State Level Inter-College Mathematical Quiz Contest was organized by the Department under the banner of Indradhanush on March 16, 2019. The team of Pt. C.L.S., Government (PG) College, Karnal won the 1st Prize, Arya Kanya Mahavidyalaya, Shahabad, Markanda won the 2nd Prize and our college team won the 3rd Prize.

State Level Inter-College Mathematical Quiz Contest organized by the Department of Mathematics under the banner of Indradhanush

- Extension Lecture was organized for M.Sc. (Mathematics) students by Dr. Vinod K. Bhardwaj, Professor, Dept. of Mathematics, Kurukshetra University, Kurukshetra on the topic **Fundamentals of Measures and Integration** on February 18, 2019.

Dr. Vinod K. Bhardwaj, Professor, Department of Mathematics, Kurukshetra University, Kurukshetra delivering an Extension Lecture on the topic Fundamentals of Measures and Integration

Prize winners of the State Level Inter-College Mathematical Quiz Contest

Commerce is the great civilizer. We exchange ideas when we exchange fabrics. –Robert G. Ingersoll

Department of Commerce

Sitting (L to R): *Ms. Madhu Arora, Ms. Anshul Atreja, Ms. Sanjana Raheja, Ms. Sujata Gupta (Principal), Ms. Renu Mehta, Ms. Meetu Chawla, Dr. Kamlesh, Ms. Shilpa Arora*
Standing (L to R): *Ms. Purnima, Ms. Jasmine, Ms. Archna, Ms. Harvinder, Ms. Loveneet, Ms. Renu, Ms. Bharti Nanda, Dr. Richa Sharma*

- Dept. of Commerce organised Best-Out-of-Waste Competition for B.Com. (ASPSM) and B.Com. (General) students on August 31, 2018. Following students were the winners.

  1st Prize- Ms. Rohini and Ms. Urvashi, B.Com. V Sem (ASPSM)

  2nd Prize- Ms. Sonia and Ms. Saloni, B.Com. V Sem (ASPSM)

  3rd Prize-Ms. Sheina and Ms. Anchal, B.Com. I Sem (ASPSM)

  Consolation Prize-Ms. Nanic, B.Com. III Sem (ASPSM)

Best Out of Waste Competition on August 31, 2018

- Ms. Ishu Gupta of M.Com. I Sem. got 2nd Prize in State Level Essay Writing Competition held at Dyal Singh College, Karnal on August 31, 2018.
- On September 08, 2018, Extension Lecture was organized for M.Com. students by Prof. Mahabir Narwal, Dept. of Commerce, KUK on the topic "Business Environment".

Extension Lecture by Prof. Mahabir Narwal

- M.Com. Intro Party, (Rubaroo) was organized on September 22, 2018, for Semester I students.

M.Com Intro Party on September 22, 2018

Miss Fresher – Ms. Babita
1st Runner-up – Ms. Ishu
2nd Runner-up – Ms. Kamna
Miss Talented – Ms. Aarti Gupta

- Extension Lecture was organized for B.Com. and B.B.A. final year students on Profile Oriented Training: Understanding the Digital World by Mr. Vaibhav Mediratta (Faculty from Pune Institute of Management), September 24, 2018.

Mr. Vaibhav Mediratta delivered an Extension Lecture on September 24, 2018.

- Ms. Palak Sachdeva, Ms. Monika Pal, Ms. Sakshi Babbar of B.B.A. Final year participated as a team and got 2nd Prize in Business Plan Competition held on January 29, 2019 at Geeta Engineering College, Panipat.

2nd Prize in Business Plan Competition

- Organised a PowerPoint Presentation Competition for B.B.A. students on February 16, 2019

1st Prize	: Ms. Tanya and Ms. Sakshi (B.B.A. III)
2nd Prize	: Ms. Monika (B.B.A. III)
3rd Prize	: Ms. Shivani (B.B.A. II)
Consolation Prizes	: Ms. Himani and Ms. Arshita (B.B.A. I)

Student receiving Prize for PowerPoint Presentation Competition from Principal Madam

- Extension Lecture was organized for B.B.A. III students on Digital Marketing by Dr. Pooja Goel (Faculty from Bhagat Singh College, Delhi University) on February 23, 2019.

Dr. Pooja Goel being welcomed by Ms. Renu Mehta and Ms. Sanjana Raheja

Dr. Pooja Goel delivering an Extension Lecture on Digital Marketing for B.B.A. students on February 23, 2019

- Dr. Subhash Bains from Dept. of Commerce, KUK delivered an Extension Lecture on Tax Planning Related to Capital Structure Decisions and Tax Planning and Dividend Decisions on March 27, 2019.

A Floral welcome to Dr. Subhash Bains on March 27, 2019

- M.Com. Farewell Party was organised on April 03, 2019.

Miss M.Com.	: Ms. Kiran Midha
1st Runner-up	: Ms. Garima
2nd Runner-up	: Ms. Nikita
Ms. Elegant	: Ms. Jyotsana

Farewell Party of M.Com. Final Year Students

- Organised an excursion to Adventure Island Rohini, Delhi on April 04, 2019.

Commerce students at Adventure Island accompanied by Ms. Shilpa and Ms. Purnima of Commerce Department on April 04, 2019