



**Deen Dayal Upadhyaya College**  
(University of Delhi)

*NAAC Accredited Institution*

&

**NIRF-2019: Rank 16 in College Category**

**Annual Report**

**2018-2019**

**Dr. Hem Chand Jain**  
*Acting Principal*

**ANNUAL REPORT COMMITTEE**

**Dr. Jayini Adhyapak**  
*Convenor*

**Ms. Deepa Kamra**

**Mr. Jyotishman Kalita**

**Dr. Meghna Aggarwal**

## AWARDS AND HONOURS TO COLLEGE

**6<sup>th</sup> Rank in Delhi (Science Colleges) and 11<sup>th</sup> Rank in India by the India Today-MDRA Best Colleges Ranking 2018** – Our College has been participating in Nielsen Best Colleges Survey conducted by India Today Group since 2012 and has been placed continuously at either 8<sup>th</sup> or 9<sup>th</sup> position in Delhi under Science Stream Colleges and between 35 to 42 across India. In 2018, again the college secured 6<sup>th</sup> rank in Delhi and moved up the ladder to 11<sup>th</sup> position in India.

**9<sup>th</sup> Rank in Delhi (Commerce Colleges) and 17<sup>th</sup> Rank in India by the India Today-MDRA Best Colleges Ranking 2018** – In 2017, the College participated for the first time under Commerce stream and received an All India 34<sup>th</sup> rank and in 2018, it moved up in the ladder by securing 9<sup>th</sup> rank in Delhi and 17<sup>th</sup> rank in India.

**16<sup>th</sup> Rank in NIRF India Rankings 2019:** The Ministry of Human Resource Development (MHRD) has conducted an All India survey through National Institutional Ranking Framework (NIRF) in which our college also participated. Out of 1304 colleges, our college has been awarded the 16<sup>th</sup> rank. The scores obtained by our college in five broad generic parameters used by NIRF are as given below:

- Teaching, Learning and Resources (77.20 marks)
- Research and Professional Practice (37.75 marks)
- Graduation Outcome (66.25 marks)
- Outreach and Inclusivity (66.83 marks)
- Perception (28.83 marks)

**DBT Star College Scheme:** In 2018, the college was selected under Star College Scheme of Department of Bio-Technology (DBT), Government of India and a sum of Rs 1.04 crores were sanctioned for three years to strengthen the Life Science and Biotechnology Education & Training at undergraduate level for five departments of our college i.e. Botany, Zoology, Chemistry, Electronics and Mathematics.

## ACHIEVEMENTS OF THE STUDENTS

### ACADEMIC DISTINCTIONS

- 97.18% Students passed the May/June 2018 Examination (2202/2266).
- From amongst 28 colleges of the Government of NCT of Delhi, **Archana** from B.Sc Physical Science (Chemistry), **Perna Gulia** and **Geetu** from B.Sc. (H) Mathematics, and **Sahil Nishal** from B.Sc. (H) Computer Science received the *Meritorious Award* of Rs. 10,000 each from the Directorate of Higher Education, Government of NCT of Delhi.
- **Kajal Chauhan** from B.Com (H) was awarded *Pt. Vidhyadhar Tripathi Memorial Award* for securing highest marks in the final year.
- **Twelve students** were awarded *Sh. Ghasi Ram Mittal Memorial Award* for securing highest marks in the combined result of first and second semester University Examination.
- **Ten students** from B.Sc. (H) were awarded *Under Graduate Science Meritorious Award*, by the University of Delhi, in the form of reimbursement of books purchased by them.
- **Akshat Madaan** from B.Com (H) was granted *Sultan Chand Memorial Scholarship* of Rs. 3500/- for securing second highest percentage of marks in second year University Examination in the college.
- **Five students** of B.Com (H) were given the *Sultan Chand Dropadi Devi memorial Scholarship* of Rs. 4000/- each for securing highest marks in B.Com (H) I, II, III, IV, V, and VI semester University Examination. **Chinmay** received the scholarship for securing highest marks in both the third and the fourth semester.

## SPORTS ACHIEVEMENTS

The college Students participated and brought laurels at International, National, Inter-University, State and Inter-College Levels.

### Achievements at International Level

S.No.	Name	Details of the tournaments	Position/ participation
1.	AMAN SAINI B. A. (P)	• ARCHERY ASIAN GAMES, JAKARTA, 18 AUG – 02 SEP 2018	Silver Medal

### Achievements of Students at National Level

S.No	Name	Details of the Tournaments	Position/ participation
1.	GAURAV NAIN B. COM. (H)	31ST JUNIOR NATIONAL NETBALL CHAMPIONSHIP, BATHINDA (PUNJAB), FROM 27-30 JAN 2019	Participation
2.	AKASH MISHRA B. Sc. (H) MATHEMATICS	26TH JUNIOR NATIONAL FENCING CHAMPIONSHIP, RUDRAPUR (UTTARAKHAND) FROM 26-29 DEC 2018	Participation
3.	YOGESH KUMAR B. COM. (H)	5TH YOUTH NATIONAL FENCING CHAMPIONSHIP (U-23), NASIK (MAHARASHTRA) FROM 29-31 MAR 2018	Participation
4.	VINOD YADAV B. COM. (H)	5TH YOUTH NATIONAL FENCING CHAMPIONSHIP (U-23), NASIK (MAHARASHTRA) FROM 29-31 MAR 2018	Participation
5.	HIMANSHU SHARMA B. COM. (H)	5TH YOUTH NATIONAL FENCING CHAMPIONSHIP (U-23), NASIK (MAHARASHTRA) FROM 29-31 MAR 2018	Participation
6.	RAVI B.A. (P)	64TH SENIOR NATIONAL BALL BADMINTON CHAMPIONSHIP, BENGALURU (KARNATAKA) FROM 20-24 FEB 2019	Participation

### Achievements of Students at All India Inter-University Level

S.No.	Name	Details of the Tournaments	Position\ participation
1.	SHYAM B. COM. (H)	ALL INDIA INTER UNIVERSITY SOFTBALL CHAMPIONSHIP, NANDED (MAHARASHTRA) FROM 31 OCT-04 NOV 2018	Participation
2.	ANKIT KUMAR B. Sc. (H) PHYSICS	ALL INDIA INTER UNIVERSITY SOFTBALL CHAMPIONSHIP, NANDED (MAHARASHTRA) FROM 31 OCT-04 NOV 2018	Participation
3.	GAURAV BVALYAN B. Sc. (H) COMP. SCI.	ALL INDIA INTER UNIVERSITY SOFTBALL CHAMPIONSHIP, NANDED (MAHARASHTRA) FROM 31 OCT-04 NOV 2018	Participation
4.	VINAY YADAV B. COM. (H)	ALL INDIA INTER UNIVERSITY NETBALL CHAMPIONSHIP, CHENNAI (TAMIL NADU) FROM 20-23 FEB 2019	Participation
5.	GAURAV NAIN B. COM. (H)	ALL INDIA INTER UNIVERSITY NETBALL CHAMPIONSHIP, CHENNAI (TAMIL NADU) FROM 20-23 FEB 2019	Participation
6.	ARMAN KHAN B. COM. (H)	ALL INDIA INTER UNIVERSITY BASEBALL CHAMPIONSHIP, KURUKSHETRA (HARYANA) FROM 27-30 MARCH, 2019	Participation

S.No.	Name	Details of the Tournaments	Position\ participation
7.	YOGESH KUMAR B. COM. (H)	ALL INDIA INTER UNIVERSITY FENCING CHAMPIONSHIP, AMRITSAR, PUNJAB FROM 07-12 JAN 2019	Participation
8.	NITIN B. Sc. PHY. SCI. WITH COMP. SCI.	ALL INDIA INTER UNIVERSITY FENCING CHAMPIONSHIP, AMRITSAR, PUNJAB FROM 07-12 JAN 2019	Participation
9.	ANKIT SINGH B. Sc. PHY. SCI. WITH COMP. SCI.	ALL INDIA INTER UNIVERSITY YOGA CHAMPIONSHIP, KAMCIPURAM, TAMIL NADU FROM 04-08 FEB 2019	Participation

#### Achievements of the Students at State Level

S.No.	Name	Details of the Tournaments	Position/ participation
1.	HIMANSHU PUNIA B. A. (P)	DELHI OLYMPIC GAMES 2018 (BALL BADMINTON), NEW DELHI FROM 10-20 OCT 2018	Participation
2.	RAVI B. A. (P)	DELHI OLYMPIC GAMES 2018 (BALL BADMINTON), NEW DELHI FROM 10-20 OCT 2018	Participation
3.	AJAY KUMAR B. A. (P)	DELHI OLYMPIC GAMES 2018 (BALL BADMINTON), NEW DELHI FROM 10-20 OCT 2018	Participation
4.	PANKAJ PANGHJAL B. Sc. (H) CHEMISTRY	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
5.	RAJAT B. Sc. (H) COMP. SCI.	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
6.	SHYAM B. COM. (H)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
7.	VIKAS YADAV B. A. (P)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
8.	RAJIV B. A. (P)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
9.	NISHANT PRASAD B. Sc. LFS	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
10.	ANKIT KUMAR B. Sc. (H) PHYSICS	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
11.	ARMAN KHAN B. COM. (H)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
12.	DEEPAK KR. SANGWAN	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
13.	PANKAJ SHARMA B. A. (P)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
14.	GAURAV BALYAN B. Sc. (H) COMP. SCI.	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
15.	DHEERAJ B. A. (P)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
16.	SANJAY GANGWAL B. Sc. (H) CHEMISTRY	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
17.	SHAIKENDRA SINGH B. Sc. (H) CHEMISTRY	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
18.	SANDEEP KUMAR B. Sc. (H) CHEMISTRY	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
19.	MOHIT B. Sc. (H) ELEC.	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation
20.	LOVE KUSH B. COM. (H)	DELHI OLYMPIC GAMES 2018 (SOFTBALL), NEW DELHI FROM 10-20 OCT 2018	Participation

**Participation of 19 College Teams in 13 Sports in Inter-College Tournaments**

S.No.	Sport	Section
1.	Ball-Badminton	Men
2.	Badminton	Men
3.	Basketball	Men & Women
4.	Taekwondo	Men & Women
5.	Netball	Men & Women
6.	Korfball	Men & Women
7.	Boxing	Men
8.	Baseball	Men
9.	Softball	Men
10.	Football	Men
11.	Cricket	Men
12.	Table-Tennis	Men
13.	Archery	Men

**POSITION IN INTER-COLLEGE TOURNAMENTS:**

1. **ARCHERY (RECURVE- MEN) – 2<sup>ND</sup> POSTION**
2. **NETBALL (MEN) – 4<sup>TH</sup> POSITION**
3. **TAEKWONDO (WOMEN – HEAVY WEIGHT, 73 KG) – 3<sup>RD</sup> POSITION**

**ECA ACHIEVEMENTS****NORTH-EAST CELL**

**29<sup>th</sup> March, 2019:** The student representatives of the North East Cell of the college, **Yangchenla Bhutia, Anjana Basumatari, and Sarita** from B. Com (H) 3<sup>rd</sup> Year, won the *first prize* in *Inter-College Ethnic Group Dance competition* held at Dr. Bhim Rao Ambedkar College, University of Delhi.

**SCIENCE FOUNDATION**

- **5<sup>th</sup>-6<sup>th</sup>, April 2018** ‘NConSI Headstart’ 2018 : Poster presentation on “*IoT based Real Time Gas Concentration Monitoring and safety Alarm System*” by **Pawan Kumar Mishra**, B.Sc. (H) Electronics 3<sup>rd</sup> Year. Pawan bagged the *3<sup>rd</sup> Position* in the event.
- **7<sup>th</sup>-8<sup>th</sup> March, 2019:** 2<sup>nd</sup> National Level Event based on Ethical Hacking was jointly organized with i3indya Technologies. **Tushar Goel** of B.Sc. (Hons) Computer Science was *selected for final round* which was held at Radiance 2019 (Asia's Largest Technical Festival of IIT Bombay) on 16<sup>th</sup> -17<sup>th</sup> March, 2019.
- **17<sup>th</sup> March 2019:** Two teams of B.Sc. Hons Electronics students were selected to represent the college at *IoT Challenge 2019*, IIT Bombay. Project entitled “*Agritech*” prepared by **Ashutosh Mishra, Praveen Kumar Chaturvedi, Abhishek Soni and Shivam Kumar Singh** got *third prize* out of the 50 teams participating from all over the country.

## ROBOTICS CLUB

- **DeepJyoti Sapkota** BSc (H) Physics 2<sup>nd</sup> Year won **1<sup>st</sup> Prize** at the Annual Technical Fest, NSUT, Delhi.
- Team comprising **Jaideep** B.Sc (H) Computer Science 1<sup>st</sup> Year, **Harsh Joon** B.Sc (H) Physics 2<sup>nd</sup> year and **DeepJyoti Sapkota** B.Sc (H) Physics 2<sup>nd</sup> Year won **1<sup>st</sup> prize** in the event Robo Vision at Satyug Darshan Engineering College, Haryana.
- **DeepJyoti Sapkota** BSc (H) Physics 2<sup>nd</sup> Year and **Kushagra Bhatnagar** BSc (H) Physics 2<sup>nd</sup> Year won **1<sup>st</sup> prize** in the Department festival held at Kalindi College, Delhi.
- 6 teams from the college qualified for the 2<sup>nd</sup> round of eYRC 2018, the National Robotics Competition conducted by e-Yantra, IIT Mumbai.
- Team of students **Harsh Joon** B.Sc. (H) Physics 2<sup>nd</sup> Year, **Jaideep** B.Sc (H) Computer Science 1<sup>st</sup> Year and **Siddhant** B.Sc. (H) Elec. 1<sup>st</sup> Year won the **2<sup>nd</sup> prize** in the event “**INNOVATE**”, Envisage’19 held at IIC, South Campus, Delhi.
- A team comprising four students **Vaibhav** B.Sc. PSCS 1<sup>st</sup> Year, **Nikhil** B.Sc. PSCS 1<sup>st</sup> Year, **Rohit** B.Sc. (H) Physics 1<sup>st</sup> Year, **Sonam** B.Sc. (H) Elec. 1<sup>st</sup> Year won **Second prize** in the event **Robo Race**, Envisage’19 held at IIC, South Campus, Delhi.
- Based on projects based assessment, **Harsh Joon** B.Sc. (H) Physics 2<sup>nd</sup> Year has been selected for the **Summer Internship** at JNU.

## FOREIGN LANGUAGE CENTRE

Students made the college proud by bagging the **first prize** in *Play*, **third prize** in *Short Film Making*, **third prize** in *Poem Writing* and one of our students could make her place in top 5 in Poem Recitation among 46 participants.

## VOICES- THE DEBATING SOCIETY

**Harshit Malhotra** (BMS 3<sup>rd</sup> Year)

- Break - Vitark DDUC
- Extempore- DDUC
- Conventional Debate - DDUC (**1<sup>st</sup> Position**)
- Conventional Debate - SGTB Khalsa College (**1<sup>st</sup> Position**)

**Bhavya Khanna** (BMS 2<sup>nd</sup> Year)

- IIT-Delhi Freshers’ Parliamentary Debate

**Gracy Yadav** (English Hons-1st year)

- St. Stephens College - Vinod Chowdhary Memorial Conventional debate - **2<sup>nd</sup> Position**

**Abhay Agarwal** (BMS 1st Year)

- Vaad Vivaad 2.0 IPU - **Best Representative - 1<sup>st</sup> prize.**
- Quintessence Model United Nations 2018. North Indian Engineering College - **High Commendation - 2<sup>nd</sup> Prize.**
- Frank Anthony Public School MUN 2018 - **Moderator (Judge)**
- ISBF Model United Nations 2018, Indian School of Business and Finance. - **Special Mention - 3<sup>rd</sup> Prize.**

- Uthan Youth Parliament 2019 - Faculty of Social Sciences, University of Delhi- **Deputy Moderator (Judge)**
- IIT Jodhpur MUN 2019 - **Vice Chairperson (Judge)**
- Committee Simulation 2019, Jesus and Mary College - **2nd Prize.**
- Know it all (Debate) Laxmibai College - **1st prize.**
- Vaad Vivaad (Group Discussion) Kamla Nehru College - **1st prize.**

**Poorvi Sharma** (Bsc. Maths-Hons)

- JDM College Conventional Debate
- Extempore- DDUC
- Keshav Mahavidyalaya Conventional Debate-**3rd Position**

## SANGYAAN- THE QUIZ SOCIETY

- An Intra-college quiz competition based on *Moral Values* in collaboration with ISKCON youth forum was organised in the month of September 2018. The winner of this quiz **Mr. Anupam Aggarwal** (BMS II year) represented our college at *Inter College Value Awareness Quiz* and won the **second prize.**
- **Mr. Mridul Chansouriya** of B.Sc. (Physical science) II year won **1<sup>st</sup>** and **2<sup>nd</sup>** **prize** at quiz competitions held at Dyal Singh College and Aryabhata College respectively.

## RAAGA – THE DANCE SOCIETY

- **1<sup>st</sup> position** in *group dance* event at International School of Media And Entertainment Studies, Noida.
- **Special mentions** in *talent hunt show* at University of Petroleum and Energy Studies, Dehradun.
- **1<sup>st</sup> position** in *Western Solo Dance* by **Shivani Gupta** at Manipal University, Jaipur.
- **1<sup>st</sup> Position** in *Solo Dance* by **Shivani Gupta** at Shiv Nadar University, Noida.
- **1<sup>st</sup> position** in *Western Solo Dance* by **Akshay Bhardwaj** in Lal Bahadur Shastri Institute of Management.
- **1<sup>st</sup> Position** in *Western Solo Dance* by **Akshay Bhardwaj** at BITS Pilani.
- **1<sup>st</sup> Position** in *Western Solo Dance* competition by **Sourava Tandi** at AIIMS, Delhi.
- **2<sup>nd</sup> position** in *Solo Dance* competition by **Akshay Bhardwaj** at IMT Ghaziabad.
- **2<sup>nd</sup> position** in *Western Solo Dance* competition by **Shivani Gupta** at Institute of Home Economics and BITS Pilani.
- **3<sup>rd</sup> position** in *Solo Dance* by **Shivani Gupta** at IIT Delhi and Lal Bahadur Shastri Institute of Management.
- **Akshay Bhardwaj** got a *special mention* for his spectacular performance in *Solo Dance* competition at FIIB.
- **Sahil Jain** got a *special mention* in *Western Solo Dance* at Institute of Home Economics.
- **Srashti Sahu** secured **2<sup>nd</sup> position** in *WDC talent hunt* competition.

## RHAPSODY- THE MUSIC SOCIETY

**Band – Five One Nine**

A 7-piece fusion band mixing the old and the new together.

**Members –** Shubham Chawla, Hrithik Rawat, Sourdeep Ghosh, Dattatreya Biswas, Lakshyarth Singh, Vishvas Chandra and Keshav Chopra



- 1<sup>st</sup> position at Symbiosis Law School
- 1<sup>st</sup> position at World University of Design
- 1<sup>st</sup> position at Indian Institute of Art and Design
- 1<sup>st</sup> position at Dyal Singh Evening College
- 1<sup>st</sup> position at Faculty of Management Studies, DU
- 1<sup>st</sup> position at PGDAV College
- 1<sup>st</sup> position at Maitreyi College
- 1<sup>st</sup> position at Lal Bahadur Shastri Institute of Management
- 1<sup>st</sup> position at Maitreyi College
- 1<sup>st</sup> position at Indian Institute of Foreign Trade, Delhi.
- 1<sup>st</sup> position at Pulse, AIIMS
- 1<sup>st</sup> position in Junoon at IIT Kanpur
- 1<sup>st</sup> position in Unplugged at IIT Kanpur
- 2<sup>nd</sup> position in Spectrum at IIT Delhi
- 2<sup>nd</sup> position at Amity Gurugram
- 2<sup>nd</sup> position at College of Vocational Studies
- 3<sup>rd</sup> position at Lady Shri Ram College for Women
- 2<sup>nd</sup> position at Hansraj College
- 3<sup>rd</sup> position in Synchronicity at IIT Kanpur
- Opened for Guthrie Govan at IIT Kanpur

### Western Acapella

**Members** - Bhavya Mehta, Shubham Chawla , Swechcha Pruthi, Nitya Ramesh, Priyanshi Bhatt, Gargi Tripathi, Dattatreya Biswas, Sourodeep Ghosh, Sawan Kardam, Aditya Sharma , Naman Bhardwaj, Nitin Bisht, Rajat Rawat ,Kushagra Dudeja ,Shambhavi Tripathi , Aashraya Manandhar , Sanskriti Chhibber. **3<sup>rd</sup> Position at IIT Kanpur**

### Solos

**Kushagra Dudeja** (Indian Solo Singing Events)

**Accompanied by** Saranjeet Singh and Naman Bhardwaj

- 1<sup>st</sup> position at ARSD College
- 1<sup>st</sup> position at College of Vocational Studies
- 1<sup>st</sup> position at Bhaskaracharya College
- 2<sup>nd</sup> position at Ramanujan College
- 2<sup>nd</sup> position at Deshbandhu College
- 2<sup>nd</sup> position at VIPS
- 3<sup>rd</sup> position at Aryabhatta college
- 3<sup>rd</sup> position at PGDAV Evening College
- 2<sup>nd</sup> position at Maharaja Agrasen College
- 3<sup>rd</sup> position at Bharti College
- Reached top 5 in Radio city (91.1) Super Singer, season 10.
- Reached the Delhi finals of Delhi's date with democracy competition

**Dattatreya Biswas** (Western Solo Singing Events)

**Accompanied by** Aditya Sharma and Shubham Chawla

- 1<sup>st</sup> Position at Bhaskaracharya College
- 2<sup>nd</sup> Position at Aryabhatta College
- 1<sup>st</sup> Position at Bharti College

**Vishvas Chandra** (Instrumental)

- 1<sup>st</sup> Position in Instrumental impromptu at IIT Delhi
- 1<sup>st</sup> Position in Jugalbandi at OP Jindal Global University

**Bhavya Mehta** (Western Solo Singing)

**Accompanied** by Aditya Sharma and Vishvas Chandra

- 2<sup>nd</sup> Position at Symbiosis Law School, Noida
- 2<sup>nd</sup> position at Bhaskaracharya College
- 2<sup>nd</sup> Position at Maharaja Surajmal Institute
- 2<sup>nd</sup> Position at Bharti College

**Sourodeep Ghosh** (Indian Solo Singing)

**Accompanied** by Aditya Sharma , Saranjeet Singh and Shubham Chawla

- 1<sup>st</sup> Position at PGDAV College

**Swechcha Pruthi** (Western Solo Singing)

- Special Mention at Maharaja Surajmal Institute

**YAVANIKA- THE DRAMATICS CLUB**

- IIM Ahmedabad (Chaos'19), '*Swar Vyanjan aur Manoranjan*' bagged *third position* in its stage play event, '*Natya Katha*'
- '*Swar Vyanjan aur Manoranjan*' was performed in Archlights, the stage play competition of Kamla Nehru College.
- '*Swar Vyanjan aur Manoranjan*' was performed in Deen Dayal Upadhyaya College in 'Swang', the street play competition organized by the Electoral Literary Committee.
- '*Kararnama*' was performed in 'Zehniyat', the street play competitions of Vivekananda College, and 'Mukhatib', Ramjas College.
- '*Jaago re*' was performed in the event organized by the Election Commission of India in the auditorium of the College.
- '*Swar Vyanjan aur Manoranjan*' was performed in Shoolini University, Solan; Himachal Pradesh on 7<sup>th</sup> April, 2019.
- '*Swar Vyanjan aur Manoranjan*' was performed Twice in the Indian Habitat Center, Delhi on 13<sup>th</sup> and 14<sup>th</sup> April 2019.

**ACHIEVEMENTS OF THE FACULTY AND RESEARCH PERFORMANCE**

More than just dedicated educators, some of our faculty also generates new knowledge and insights through their research. This scholarly work ensures that what you're learning always reflects the latest and best thinking in the field.

**RESEARCH GUIDANCE****1. Dr. R.M. Bharadwaj**

- One student was awarded Ph.D degree.
- One student submitted his thesis.
- Two students registered for Ph.D under his supervision.

**2. Dr. H. P. Roy**

- Three students were awarded M.Phil degree.
- Two students were awarded Ph.D degree.
- Two students registered for Ph.D under his supervision.

**3. Dr. Yogieta Mehra**

- One student under her supervision has submitted his thesis.

**4. Dr. P.K. Jha**

- One student was awarded Ph.D degree.
- Four students registered for Ph.D under his supervision.

**5. Dr. AK Singh**

- Two students were awarded Ph.D degree.
- Two students submitted their thesis under his supervision.
- Two students registered for Ph.D under his supervision.

**6. Dr. Manoj Saxena**

- Provided research guidance to Ms. Hasti Kasundra of SVNIT, Gujrat, Mr. Khushwant Sehra of Guru Gobind Singh Indraprastha University, and Mr. Brahmadutta Dixit of Mizoram University in Electronics and Communication Engineering projects during their Summer Research Fellowship sponsored by Indian Academy of Sciences (IAS), National Academy of Sciences, India (NASI) & Indian National Science Academy (INSA).
- Two students Mr. Ajay Vishwakarma and **Ms. Neha** are pursuing Ph.D under his supervision.

**7. Dr. Rajkumari Sanayaima Devi, Dr. S. N. Tripathi and Dr. Sandeep**

- Supervised a summer project of eight students under DBT Star College Program “*Analysis of Microflora in Polluted water of South West and North West Part of Delhi*” from June 29 to July 15, 2018.

**8. Dr. Ratnesh Rajan Saxena**

- Three students were awarded M.Phil degree.
- Five students were awarded Ph.D degree.
- One student is pursuing M.Phil and two students are pursuing Ph.D under his supervision.

**9. Dr. Sanjay Kumar Pant**

- One student is pursuing M.Phil and four students are pursuing Ph.D under his supervision.
- One student has submitted his thesis for the award of Ph.D degree under his supervision.

**10. Dr. Arpita Sharma**

- Two students have registered for Ph.D under her supervision.

**11. Dr. Mahaveer Genwa**

- One student has registered for Ph.D under his supervision.
- Guided three M.Sc. (Chemistry) students of Amity University, Gurgaon and Noida during their summer project during June-July 2018.

**12. Mr. Ankit Rajpal**

- Provided project guidance to four students of M.Sc. Computer Science for a duration of one year.

## DISTINCTIVE ACHIEVEMENTS

### ❖ Patents

#### Dr. Sunny Manohar co-authored a US patent

Diwan S. Rawat, Binghe Wang, Nitin Kumar, **Sunny Manohar**, Xiaochuan Yang, Guojing Sun and Nanting Ni “*Curcumin analogs and methods of making and using thereof*” United States Patent US9884825B2 (2018).

### ❖ Awards

**Dr. Rajkumari Sanayaima Devi** was awarded “*Meritorious Lecturer Award*” for the year 2018-19 by the Government of NCT of Delhi. The award comprises a certificate and a cash prize of Rs. 1 Lakh.

### ❖ Research Fellowship

**Sudhir Verma** received *Summer Research Fellowship* from Science Academies (IASc-INSA-NASI) to work under Prof. Ramaballav Roy, Goa University.

### ❖ Academic Council

**Dr. Ratnesh Rajan Saxena** has been elected as *Member-Academic Council* of Delhi University for 2019-2021.

### ❖ Projects

- **Dr. P.K. Jha** has been sanctioned a sum of Rs. 428 Lakhs from DRDO for a major project on *Fabrication Of Lamb Wave Devices on Sio<sub>2</sub>/Si Membrane For Strategic Applications* starting March 26, 2019.
- **Dr. P.K. Jha** has been sanctioned a sum of Rs. 31 Lakhs from Science & Engineering Research Board (SERB) for a major project on *Dynamics of Coupled Quantum Dots in a Semiconductor Micro-Cavity: Feasibility of Building all Optical Switches*
- **Dr. AK Singh** has been sanctioned a sum of Rs. 44,07,480 from DST-SERB for an ongoing major project (2017-2020) on *Study of Atomic Processes for Multi-charged Ions for Plasma Diagnostics*.
- **Dr. Manoj Saxena** has been sanctioned an amount of Rs. 23 lakhs by CARS, DRDO for a one year project (2019-2020) titled *Layout Optimization and Thermal Analysis Swtchlng Applicatlons and LNA Design*. He is the Co-Principal Investigator in this DRDO sponsored project.
- **Dr. Sunny Manohar** has been sanctioned a start-up grant of Rs. 6 lakhs by the UGC for a two year project (2018-2020) titled *Magnetically active ionic liquids: Design, Synthesis and their Applications in Organic*.
- **Dr. Kapil Bohra** has been sanctioned a start-up grant of Rs. 6 lakhs by the UGC for a two year project (2018-2020) titled *Facile Access to Nucleobase-modified Nucleosides via Diels-Alder Reaction*.
- **Dr. Mahaveer Genwa** has completed a minor project of one month (June-July 2018) titled *Energy Harvesting from Natural Dyes* for which Rs. 20,000 was sanctioned.

### ❖ Doctor of Philosophy

**Dr. Pramod Kumar** was awarded degree of *Doctor of Philosophy (Ph.D.)* on the topic *Study of Aerosol Optical Properties and Fine Mode Fraction variations over Delhi using MODIS data*, by Guru Gobind Singh Indraprastha University on September 26, 2018.

## MEMBERSHIP OF PROFESSIONAL BODIES

### 1. Dr. R.M. Bharadwaj

- **Member** - Asiatic Society, Paris, France since May 2014.
- **Member** - Asiatic Society of Kolkata, an Institution of Eminence by an Act of Parliament of India, since 2014.
- **Life Member** - Indian History Congress (1935) since 1986.

## 2. Dr. Manoj Saxena

- **Fellow**- Institution of Electronics and Telecommunication Engineers (IETE) (F 500322)
- **Member** – IEEE Electron Device Society (USA) Board of Governors (2018-2020)
- **Distinguished Lecturer** – IEEE
- **Regional Editor South Asia** – IEEE EDS News Letter ISSN: 1074 1879
- **Secretary** – IEEE Delhi Section (2019)
- **Reviewer** of
  - Journal of Electronic Materials (Springer Journal), ISSN: 0361-5235 (print version), Impact Factor: 1.566 (2017)
  - IEEE Access, Impact factor: 3.557
  - IEEE Transactions on Electron Devices
  - IEEE Transactions on Circuits and Systems I: Regular Papers Impact Factor: 2.823 ISSN: 1549-8328
  - Semiconductor Science Technology 2017 Impact Factor: 2.280
  - International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (John Wiley & Sons, Ltd.) Impact factor:0.816
  - IET Circuits, Devices & Systems, Impact Factor: 1.395
  - International Journal of Electronics and Communications, Impact Factor – 2.115
  - International Journal of Electronics
  - IETE Technical Review, Print ISSN: 0020-7217 Online ISSN: 1362-3060, 2017 Impact Factor: 0.939
  - Journal of Physics D: Applied Physics, 2017 Impact Factor - 2.373
  - Microelectronics Reliability ISSN: 0026-2714, Impact Factor – 1.236
  - Turkish Journal of Electrical Engineering & Computer Sciences
  - Microsystem Technologies- Micro- and Nanosystems Information Storage and Processing Systems, ISSN: 0946-7076 (Print) 1432-1858 (Online), Impact Factor-1.581
- **Jury Member** - 7th National level Exhibition and Project Competition (NLEPC) of INSPIRE Awards-MANAK at Indian Institute of Technology (IIT) Delhi held during February 14-15, 2019.
- **Member of Engineering Sciences Selection Committee** - Science Academies' Summer Research Fellowship Programme 2019.
- **Editorial Board Member** - Solid State Electronics Letters, Imprint: KeAi, ISSN: 2589-2088.

## 3. Dr. Ratnesh Rajan Saxena

- **Senior Member** - Operational Research Society of India (ORSI), INDIA
- **Life Member** - Soft Computing Research Society, India
- **Reviewer** - "Mathematical Reviews", American Mathematical Society

## 4. Dr. Sanjay Kumar Pant

- **Life Member** - Indian Mathematical Society
- **Life Member** - Ramanujan Mathematical Society
- **Member** - American Mathematical Society.

## 5. Dr. Poonam Garg

- **Life Member** - Indian Science Congress Association (ISCA), Kolkata (Membership No. L13323)

## 6. Dr. Mamta Amol Wagh

- **Life Member** - Indian Mathematical Society(IMS), Allahabad (Membership No. N-09-066)
- **Life Member** - Indian Science Congress Association (ISCA), Kolkata (Membership No. L14981)

**7. Dr. Rajkumari Sanayaima Devi**

- *Member* - Indian Botanical Society, India
- *Member* - Indian Society of Plant Physiology, India.

**8. Dr. S. N. Tripathi**

- *Member* - Fellow of Tropical Ecology (FTE)
- *Member* - International Society for Tropical Ecology, Varanasi (India)

**9. Dr. Mahaveer Genwa**

- *Life Member* - Indian Science Congress Association (ISCA), Kolkata (Membership No. L30775)
- *Life Member* - Indian Society of Analytical Scientists (ISAS) (Membership No. LMT 2017/07)

**10. Dr. Kapil Bohra**

- *Life Member* - Association of Carbohydrate Chemists and Technologists, India (ACCTI).

**11. Mr. Vipin Kumar Meena**

- *Life Member* - Indian Institute of Banking and Finance (Membership No. 500178204)
- *Life Member* - Indian Accounting Association (Membership No. DH-306).

**12. Dr. Meghna Aggarwal**

- *Life Member* - Indian Accounting Association, Delhi Chapter (Membership No. DH-230).
- *Editorial Board Member* - ARSEAM' Journal "International Journal of Social Sciences & Economic Environment".

**13. Dr. Anuja Soni**

- *Reviewer* - InderScience Publisher

**14. Dr. Vandana Sharma**

- *Life Member* - Indian Science Congress

**15. Dr. AK Singh**

- *Member*: Indian Society of Atomic and Molecular Physics.
- *Member*: American Physical Society.
- *Member*: Royal Astronomical Society of London.

**16. Mr. Ankit Rajpal**

- *Student Member* – IEEE

**MEMBERSHIP OF ACADEMIC BODIES/COMMITTEES OF UNIVERSITY OF DELHI****1. Dr. R. M. Bharadwaj**

- Member - Faculty of Social Sciences, University of Delhi, 1996-99.
- Member - Faculty of Social Sciences, University of Delhi, 2010-2013.
- Member - Faculty of Social Sciences, University of Delhi- 2016-19.

**2. Dr. Ratnesh Rajan Saxena**

- *Member* - Curriculum Development Committee for UG mathematics paper of Differential Equation of FYUP system of Delhi University in 2013-14.

**3. Dr. Charu Kalra**

- *Life Member* - Delhi University Botanical Society
- *Life Member* - Vinjana Bharati, Membership No.- 19951CHARU

**4. Dr. Yogieta Mehra**

- *Member* - Curriculum Development Committee of the University of Delhi.
- *Research Supervisor* - Department of Commerce, Delhi School of Economics, University of Delhi (November , 2018)

**5. Dr. Lathika Nair**

- *Member* - Academic and development committee (ADC) of the DDUC.

**6. Dr. Manoj Saxena**

- *Member* - Faculty of Interdisciplinary and Applied Sciences, University of Delhi

**7. Dr. Monika Bansal**

- *Member* - Faculty of Management Studies (DU) under the provision of Statute 9(3) (v) – Teachers' Category till September 2019.

**8. Dr. Sudhir Verma**

- *Member* - Committee of Courses for UG and PG students vide letter no. FOS-1/114/2017/7264 dated December 22, 2017

**9. Dr. Arpita Sharma**

- *Coordinator* - Curriculum Development Committee for B.Sc. (Hons.), Computer Science of Delhi University in 2018.

**10. Dr. Deepak Sehgal**

- *Working Group Member* – Revision of Under-Graduate Curriculum in the light of UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the course Corporate Accounting Course Code BCHCP02 (CBCS) of B.Com (P).

**11. Dr. Anuja Soni**

- *Member* - Syllabus Revision Committee of the Department of Computer Science, University of Delhi for B.Sc.(H) Computer Science.
- *Coordinator* - Revision of the CSA Course of the Programme (CBCS) B.SC(HONS.), Computer Science under the Department of Computer Science, University of Delhi.
- *Working Group Member* - Revision of the Course in Programme (CBCS) Physical Science Computer Science.

**12. Dr. S. N. Tripathi**

- *Coordinator* – Revision of Under-Graduate Curriculum in the light of UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the course Industrial and Environmental Microbiology by University of Delhi.

- **Working Group Member** – Revision of Under-Graduate Curriculum in the light of UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the course Mycology and Phytopathology by University of Delhi.
- **Working Group Member** – Revision of Under-Graduate Curriculum in the light of UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the course Intellectual Property Rights by University of Delhi.
- **Member** - Committee of Courses and Studies for Honours Course, Post-graduate Course and Research Studies in Botany for the year 2017-2019.

### 13. Mr. Ankit Rajpal

- **Member** - Syllabus Revision Committee of B.Sc. Hons. Comp. Sc. at the Department of Computer Science.
- **Chapter Advisor** - DDUC\_Codechef Chapter.

## RESOURCE PERSON/INVITED SPEAKER IN CONFERENCES/WORKSHOP/SEMINAR/SYMPOSIA/TRAINING COURSES/REFRESHER COURSES ETC.

1. **Dr. H. P. Roy** was the **Resource Speaker** at the International Conference on *Contemplating Past Capturing the Present Creating the Future (An Interdisciplinary Approach to Life)* at Deen Dayal Upadhyaya College on December 18-19, 2018.

2. **Dr. AK Singh** was an **Invited Speaker** in National Conference on *Recent Trends in Materials Science and Spectroscopy (RTMS2019)*, AMU, Aligarh, UP on March 2-3, 2019.

### 3. Dr. Hem Chand Jain

- Delivered Lecture on “Income Tax Rules and Planning” as **Resource Person in Orientation Programme (OR-93)** at Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi on 24/07/2018.
- Delivered Lecture on “Income Tax Rules” as **Resource Person in Orientation Programme (OR-94)** at Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi on 13/10/2018.
- Delivered Lecture on “Income Tax Planning” as **Resource Person in Orientation Programme (OR-94)** at Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi on 20/10/2018.

### 4. Dr. Manoj Saxena

- (i) Delivered Technical Talk on *Emerging Transistor Designs for Next Generation FPGAs* in Fifth Hands on Workshop on VHDL Programming & Digital Circuit Designing with Implementation on FPGA organized under the Aegis of DBT Star College Program (Electronics) in collaboration with CoreEL Technologies (I) Pvt. Ltd. at Deen Dayal Upadhyaya College, University of Delhi on October 03, 2018.
- (ii) Delivered IEEE Distinguished Lecture on *Fundamental Insights into Channel and Gate Engineered Double Gate Junction-Less Transistor for Low-Voltage Low-Power Circuits* at Malaviya National Institute of Technology Jaipur under IEEE EDS of PU and IEEE Rajasthan Subsec-tion on October 20, 2018.
- (iii) Delivered IEEE Distinguished Lecture on *Novel Junction-Less (JL) Transistor Designs in IEEE-EDS Mini Colloquium (MQ) on Recent Trends in Microelectronics & VLSI Design* held at Department of Electronics and Communication Engineering, National Institute of Technology Silchar, Assam, India organized by IEEE-ED NIT Silchar, Student Branch Chapter on November 03, 2018.



- (iv) Delivered Invited talk on *Modeling and Simulation of Tunnel Field Effect Transistor as a Biosensor* at 2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON), The Pride Hotel, Kolkata, India during November 24-25, 2018 organized by IEEE EDS Kolkata Chapter on November 24, 2018.
- (v) Delivered IEEE Distinguished Lecture on *Recent Advances in Tunnel Field Effect Transistor for Sensing Applications* at Netaji Subhash Engineering College, Techno City, Garia, Kolkata on November 24, 2018
- (vi) Delivered four invited talks in Five-Day Short-Term Course (STC) on *Recent Trends in Nano-Electronics and VLSI (RTNV)* organized by Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Kurukshetra, Haryana, India during December 18-22, 2018
- *Lecture 1* - About EDS Society, Review of Si-MOSFET - Bulk, GAA, DG and Silicon on Nothing MOSFET (Duration 1 hr 15 min).
  - *Lecture 2* - Dielectric Pocket MOSFET, Junctionless MOSFET (Duration 1 hr 15 min).
  - *Lecture 3* - Operation of Tunnel FET; Advance TFET Architectures; Application of TFET as Biosensor (Duration 1 hr 15 min).
  - *Lecture 4* - Basic Operation of AlGaN-HEMT; Types of HEMT Architectures; Field Plate HEMT for High Voltage Application (Duration 1 hr 15 min).
5. **Varnika Bhatia** was the Resource Person in the *Outreach Program for Class X students* of Kendriya Vidyalaya, Sector-12, Dwarka, at Deen Dayal Upadhyaya College, University of Delhi during October 24-29, 2018.
6. **Dr. Anurag Mishra** chaired a session of WICC, International Joint Conference on Neural Network at Rio de Janeiro, Brazil from July 18-23, 2018.
7. **Sunny Manohar** was the Resource person in the *Outreach Program* for Class X students of Kendriya Vidyalaya, Sector-12, Dwarka, at Deen Dayal Upadhyaya College, University of Delhi during October 24-27, 2018.
8. **Monika Bansal**
- **Resource person** in the four day *Outreach Programme* for Class X Students of Kendriya Vidyalaya organised by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya college under the aegis of DBT Star College Programme.
  - **Chaired** a session on *Organization Behaviour and Management* at One day National Conference on “Rethinking Management Education in the Digital Age” held at Faculty of Management Studies (FMS), DU on February 10, 2018.
  - **Co-chaired** in ICSSR sponsored XX Annual International Conference on the theme: *Global Vision 2030: Challenges and Opportunities* at Deen Dayal Upadhyaya College, New Delhi organized by the Department of Management Studies in association with Delhi School of Planning and Research Studies, GGS Indraprastha University, in technical session 5A: *Research Paper Presentations on Contemporary Issues-Sustainable Development* on January 4-5, 2019.
  - **Delivered** a talk on *Psychological Issues of Women* on the occasion of International Women’s Day held at NIIT Technologies Ltd. on March 6, 2018.
9. **Dr. Sanjay Kumar Pant**
- Delivered lectures in three day workshop titled *Mathematical Awareness about Core Topics of Calculus, Algebra And Analysis* under the aegis of USERC Dehradun held at Government PG College, Uttarkashi from October 16-18, 2018.
10. **Dr. Deepak Sehgal**
- **Chaired** a technical session on *Disruptions in Business – Embracing the Age of Digitalization* at the International Conference on Business and Management 2019 on March 29, 2019.

- **Recorded** video lectures for students of ICAI.
- **Resource person** for conducting interviews for teachers of OVAS, Odisha conducted by EdCIL (MHRD).

#### 11. Dr. Poonam Garg

- **Resource person** in the four day *Outreach Programme* for Class X Students of Kendriya Vidyalaya organised by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya College under the aegis of DBT Star College Programme.
- **Resource person** in Hand-on Workshop-I, and Hands-on Workshop-II on *Numerical Methods with Mathematica* organised by Department of Mathematics under DBT Star College scheme from March 6-8, 2019.

#### 12. Dr. Mamta Amol Wagh

- **Resource person** in the four day *Outreach Programme* for Class X Students of Kendriya Vidyalaya organised by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya College under the aegis of DBT Star College Programme.
- **Resource person** for Workshop – I and Workshop – II on *Numerical Methods with Mathematica* organized by Department of Mathematics under the aegis of DBT star college scheme from March 6 -8, 2019.

#### 13. Dr. Rashmi Gupta

- **Resource Person** in the four day *Outreach Programme* for Class X Students of Kendriya Vidyalaya organised by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya College under the aegis of DBT Star College Programme from October 24-29,2018.
- **Resource Person** in two days Hands-on Workshop in *Mathematica/Excel/TORA* organized by Department of Mathematics, Deen Dayal Upadhyaya College under the aegis of DBT star college scheme, Department of Biotechnology, Government of India on July 12-13,2018.
- **Resource person** in three days Hands-on Workshop in *TORA* for B.Sc. Physical Science and Mathematical Science students, Deen Dayal Upadhyaya college under the aegis of DBT Star College Programme on February 21, February 28, and March 7, 2019.

#### 14. Dr. Sandeep Kumar

- **Resource Person** in the four day *Outreach Programme* for Class X Students of Kendriya Vidyalaya organised by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya College under the aegis of DBT Star College Programme from October 24-29,2018.
- **Resource person** for one day Workshop on *Bioinformatics: Theoretical aspect and Hands* organized by Department of Botany, Deen Dayal Upadhyaya College, Delhi on February 23, 2019.

#### 15. Dr. Dinesh Kumar

- **Resource person** in two days Hands-on Workshop in *Mathematica/Excel/TORA* organized by Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi from July 12-13, 2018.
- **Course Associate** for *Analysis (Measure and Integration)* during December 17--29, 2018 at the Annual Foundation Schools for Mathematics (AFS-II, 2018) sponsored by the National Centre for Mathematics (NCM) and conducted at Central University of Rajasthan from December 3--29, 2018.

**16. Mr. Tarachand Prajapati**

- **Resource person** in two days Hands-on Workshop in *Mathematica/Excel/TORA* organized by Department of Mathematics, Deen Dayal Upadhyaya College under the aegis of DBT star college scheme, Department of Biotechnology, Government of India from July 12 – 13, 2018.
- **Resource person** in three days Workshop on *TORA*, for B.Sc. Physical Science and Mathematical Science students, Deen Dayal Upadhyaya college under the aegis of DBT Star College Programme on February 21, February 28, and March 7, 2019.

**17. Mr. Ravi Kumar Meena**

- **Resource person** in three days Hands-on Workshop in *TORA*, for B.Sc. Physical Science and Mathematical Science students, Deen Dayal Upadhyaya college on February 21, February 28, and March 7, 2019.

**18. Mr. Ankit Rajpal**

- **Resource person** in two days Workshop on *Data Analytics Using Python* at Deen Dayal Upadhyaya College from March 6-7, 2019.
- **Resource person** in three days Technical Workshop and Hands-on Sessions on *Python: Programming and Applications* at Deen Dayal Upadhyaya College from September 26-28, 2018.
- **Resource person** in two days Workshop for Computer Teachers on *Computer Programming with Python* at Bal Bharti Public School (BBPS) Training Centre, Pitampura on March 16-17, 2018.

**19. Anita Gulati, Renu Solanki, Sudhir Verma and Kamlesh Kumari** were **Resource Persons** in Hands-on Workshop on *Immuno-techniques, based on Antigen-Antibody Interactions* at Deen Dayal Upadhyaya College from June 13-14, 2018

**20. Anita Gulati, Lathika Nair, Renu Solanki, Shailly Anand, Sudhir Verma, Kamlesh Kumari, Rashmi Sharma** were **Resource persons** in five days Hands-on Workshop on *Basic Principles of Recombinant DNA technology and Metagenomics* organized by Department of Zoology under the aegis of DBT Star College Scheme, DDUC from August 20 to September 1, 2018.

**21. Anita Gulati, Lathika Nair, Renu Solanki, Shailly Anand, Sudhir Verma, Kamlesh Kumari, Rashmi Sharma** were **Resource persons** in four days *Outreach Program* for class X students of Kendriya Vidyalaya, Sector 12, Dwarka, jointly organized by NASI-Delhi Chapter and Science Foundation, Deen Dayal Upadhyaya College under the aegis of DBT Star College Program from October 24-29, 2018.

**22. Sudhir Verma**

- **Invited Speaker** delivered a lecture on *Epigenetics and Inflammation: Understanding the link via Sepsis* in National Symposium Epigenetic regulation of inflammation-the Shotha organized by Institute of Medical Sciences, Banaras Hindu University on February 07, 2018.
- **Subject Trainer in Biology** at Regional STEM Workshop on *Research Based Pedagogical Tools* at Jiwaji University, Gwalior sponsored by DBT, MHRD and British Council from March 20-22, 2018.
- **Resource Person** in Faculty Development Program on *Research Based Pedagogical Tools* organized by ITM University, Chhattisgarh on November 24, 2018.

**23. Rakesh Kumar co-chaired** a technical session on *Crypto Currency: Future Perspectives* in the XX Annual International Conference on Global Vision 2030: Challenges and opportunities organized by Delhi School of Professional Studies and Research during January 4-5, 2019.

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24. **Dr. Meghna Aggarwal** was the **Session Coordinator** for the session *Industry, Innovation and Infrastructure* at the XX Annual International Conference on Global Vision 2030: Challenges and opportunities organized by Delhi School of Professional Studies and Research during January 4-5, 2019.
25. **Dr. Dinesh Kumar** delivered a talk on *Some Aspects Of Semi-group of Transcendental Entire Functions* at the Mini Symposium in Mathematics organized by the Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi from February 22-23, 2019.
26. **Dr. Pramod Kumar** was the **Resource Person** in the One Day Workshop on *Calculating Air Quality Index (AQI) of Dwarka and Nearby Area* organized by the Department of Botany, Deen Dayal Upadhyaya College under the aegis of DBT Star College Scheme on January 31, 2019.
27. **Dr. Yogieta Mehra co-chaired** one session at ICSSR Sponsored XX International Conference on *Global Vision 2030: Challenges & Opportunities* organised by DSPSR at Deen Dayal Upadhyaya College from January 4 -5 2019.
28. **Mr. Rajan Gupta** was the **Resource Person** in a workshop on *Data Analytics Using Python [Case Study on Recommender Systems and Association Rule Mining]* under Data Analytics Club and Optizone, Deen Dayal Upadhyaya College on 6-7 March 2019 .
29. **Dr. Arpita Sharma** was the **Resource Person** in
- A three day technical workshop on *Python: Programming and its applications* organized by Computer Science Dept at Deen Dayal Upadhyaya College from September 26-28, 2018.
  - A two day technical workshop on *Data Analytics Using Python* organized by Data Analytics Club, Deen Dayal Upadhyaya College on March 6-7, 2019.
30. **Dr. Anju Agrawal** was the **Resource person** in
- A four day Worksop on *Design and Development of Sensors guided and Bluetooth Controlled Robotics* conducted at School of Engineering, JNU; Delhi from October 27-30, 2018.
  - A two-day Intercollege Hands on Workshop on Design and Development of Sensors guided and Bluetooth Controlled Robotics conducted at Deen Dayal Upadhyaya College on January 28-29, 2019.
31. **Dr. R. M. Bharadwaj chaired** the session on COLLOQUIUM of four speakers on *Historicity and Textuality of the Kumbh* at the Crafts Museum, Ministry of Textiles, Govt. of India, organized POORNA KALASH: KUMBH 4-day Festival at Pragati Maidan, New Delhi from December 6-9, 2018.
32. **Dr. R. M. Bharadwaj** delivered a **special lecture** on *Sanskrit me Itihas, Itihas me Sanskrit* at the Rashtriya Sanskrit Sansthan, a Deemed University's Shri Raghunath Kirti Campus, Devaprayag, Uttarakhand on February 15, 2019.
33. **Dr. Mahaveer Genwa** delivered an **Invited Lecture** on *Energy and Environment: Perspective & Challenges (NCEE-2019)* in the National Conference at the Department of Chemistry, JNV University, Jodhpur on March 9-10, 2019.
34. **Dr. Mahaveer Genwa** was the **Resource Person** for a three day Workshop on *Ionic Equilibrium through Experiments* from May 14-16, 2018.

**BOOKS/MONOGRAPHS/CHAPTERS**

1. Rakhi Arora Sharma and **Vaishali Kapoor** (2018), First edition, *Data Analysis*, Book Age Series, ISBN 978-81-935957-9-4.
2. **H. P. Roy** (2019), *Patel: Political Ideas and Policies*, edited by Shakti Sinha and H.P. Roy, Sage Publishing, ISBN: 9352808533.
3. **H. P. Roy** (2017), Second Edition, *Indian Political Thought*, edited by H.P. Roy and M.P. Singh, Pearson Publication, ISBN: 8131758516.
4. **H. P. Roy** (2018), Fourth Edition, *Indian Political System*, edited by H.P. Roy and M.P. Singh, Pearson Publication, ISBN: 9352866436.
5. **Meghna Aggarwal** (2019), First Edition, *International Business*, JSR Publishing House LLP, ISBN: 978-93-87684-35-5.
6. **Meghna Aggarwal** (2019), *Curriculum Module* of the course *Event Management* of IGNOU , Event Taxation and Auditing (Unit 8 & 9), A.R. (Publication), School of Continuing Education, IGNOU, ISBN: 978-93-88498-54-8.
7. **Deepak Sehgal** (2018), *Financial Accounting*, Vikas Publishing House,
8. **Vandana Sharma** (2018) Course E-Module development on *Ecosystem Management* for MHRD project e-PG-Pathshala, Module No. 38.
9. **Vandana Sharma** (2018) Course E-Module development on *Types of Ecosystem* for MHRD project e-PG-Pathshala, Module No. 24.
10. **Rajkumari S, SN Tripathi and Sandeep Kumar** (2019) from the Department of Botany, *Practical Manual for Outreach Program* for Class X students, Kendriya Vidyalaya, Sector 12, Dwarka.
11. **Hem Chand Jain** and HN Tiwari (2018), *Fundamentals of Computer Application in Business*, Taxmann Publications, Delhi, ISBN 9789386882516.
12. **Hem Chand Jain** and HN Tiwari (2018), *Computer Application in Business*, Taxmann Publications, Delhi, ISBN 9789386882523.
13. **Devi Rajkumari S** co-authored a *Theoretical and Practical aspects Manual* for Faculty Development Program (FDP) in Biostatistics.
14. **SN Tripathi, VK Singh, P. Srivastava, R. Singh, Rajkumari Sanayaima Devi, A. Kumar, R. Bhadouria** (2019), *Phytoremediation of organic pollutants: Current status and future directions in Abatement of Environmental Pollutants*, P Singh, A. Kumar, A. Borthakur (ed.), Accepted (Review article, Elsevier)
15. **Reema Chhabra and Chetna Angrish** (2018), *Oxidative Stress and Cancer: An overview*, National Conference on Innovations in Sciences and Emerging Challenges in Health and Environment (NSHE-2018), Daulat Ram College, University of Delhi, Pg 13-19, ISBN 9788192981246
16. **Lalit Kumar** (2018), *Lovelorn Radha, Forlorn God: Tagore's Bhanusingher Padavali in Finding Radha: The Quest For Love*. Eds. Malashri Lal and Namita Gokhale. New Delhi: Penguin Random House, pp 121-130, ISBN: 9780143441458.

17. **Lalit Kumar** (2018), *Vasant Aaval Re* (Spring is Here) from Bhanusingher Padavali. Trans. Lalit Kumar in *Finding Radha: The Quest For Love*. Eds. Malashri Lal and Namita Gokhale. New Delhi: Penguin Random House, pp. 200-201, ISBN: 9780143441458.
18. **Lalit Kumar** (2018), *Caste Conflict in Print: Punyananda Jha's Mithiladarpan and John Christian's Behar Proverbs* in *Literary Aesthetics and Conflict Studies*. Eds. Alka Tyagi and Amita Sinha. New Delhi: Ramayan Printer, pp 169-178, ISBN: 978-93-5281-230-1.
19. **Arpita Sharma**, and Samiksha Goel (2019), *Geospatial Intelligence: Concepts, Methodologies, Tools, and Applications*, chapter 36, *Cuckoo Search based decision fusion techniques for natural terrain understanding*, IGI Global, page: 813-836, ISBN No: 9781522580553.
20. **Radha Madhav Bharadwaj** (2019), *Some Aspects of Social Implications of Buddhist Logic with Special Reference to Dharmakirti (600-660 A.D) During Early Medieval India*, chapter 19, pp.338-351 in Radha Madhav Bharadwaj (ed.) *Reinterpreting Indology and Indian History-Institutions, Intentions, Sources and Issues*, Pratibha Prakashan, Delhi, 2019, ISBN No:978-81-7702-444-9.
21. **Radha Madhav Bharadwaj** (ed.) (2019) *Reinterpreting Indology and Indian History-Institutions, Intentions, Sources and Issues*, Pratibha Prakashan, Delhi, 2019, ISBN No:978-81-7702-444-9, pp.1-359.
22. **Mahaveer Genwa, Kamlesh Kumari**, Prashant Singh (ed.) (2019), *Nanotechnology: Beneficial or Harmful*, Nanoscience and nanotechnology – Asia, Vol. 9, Issue 1, DOI: 10.2174/221068120901181226144129.
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  14. Preeti Singh, Vandana Kumari, **Manoj Saxena** and Mridula Gupta (2018), *Evaluation of Dual-Gate MISHEMT with Sapphire, SiC and Silicon substrate*, 4th edition of the International Conference 'NANOCON 018' is being organized in collaboration with North Carolina A & T, State University Greensboro, USA, Joint School of Nanoscience and Nanoengineering (JSNN), Greensboro, USA, Tuskegee University, USA and Drexel University, USA during October 25-26, 2018 at Bharati Vidyapeeth University, Pune-Satara Road Campus, Pune.
  15. Neha, Vandana Kumari, Mridula Gupta and **Manoj Saxena** (2018), *Temperature Based Analysis of 3-Step Field Plate AlGaIn/GaN HEMT using Numerical Simulation*, 4th edition of the International Conference 'NANOCON 018' is being organized in collaboration with North Carolina A & T, State University Greensboro, USA, Joint School of Nanoscience and Nanoengineering (JSNN), Greensboro, USA, Tuskegee University, USA and Drexel University, USA during October 25-26, 2018 at Bharati Vidyapeeth University, Pune-Satara Road Campus, Pune.
  16. Monika Sharma, Rakhi Narang, **Manoj Saxena**, Mridula Gupta (2018), *Comparative study of InGaIn and InGaAs Dopingless TFET with different Gate Engineering Techniques*, 4th edition of the International Conference 'NANOCON 018' is being organized in collaboration with North Carolina A & T, State University Greensboro, USA, Joint School of Nanoscience and Nanoengineering (JSNN), Greensboro, USA, Tuskegee University, USA and Drexel University, USA during October 25-26, 2018 at Bharati Vidyapeeth University, Pune-Satara Road Campus, Pune.

17. Khushwant Sehra, Vandana Kumari, Mridula Gupta, **Manoj Saxena** (2018), *Investigation of Field Plate Misalignment on Electrical Characteristics of AlGaIn/ GaN HEMT*, 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), November 2-4, 2018 Jointly Organised By Madan Mohan Malaviya University of Technology, Gorakhpur (U.P) INDIA & University of the Ryukyus, Okinawa, Japan (IEEE Conference Record Number:43684), **DOI:** 10.1109/UPCON.2018.8596909
18. Ajay Kumar Visvkarma, Robert Laishram, Chandan Sharma, Niraj Kumar, D S Rawal and **Manoj Saxena** (2018), *Effect of Nitrogen Plasma on AlGaIn/GaN HEMT Devices*, 4th edition of the International Conference 'NANOCON 018' is being organized in collaboration with North Carolina A & T, State University Greensboro, USA, Joint School of Nanoscience and Nanoengineering (JSNN), Greensboro, USA, Tuskegee University, USA and Drexel University, USA during October 25-26, 2018 at Bharati Vidyapeeth University, Pune-Satara Road Campus, Pune.
19. Ajay Kumar Visvkarma, Robert Laishram, Chandan Sharma, Niraj Kumar, D S Rawal and **Manoj Saxena**, *Study of TiN/Au Schottky Contacts on AlGaIn/GaN HEMT Fabricated by Reactive Sputtering*, International Workshop on Nano/Micro 2D-3D Fabrication, Manufacturing of Electronic-Biomedical Devices & Applications (*IWNEBD*)-2018 held from October 31, 2018 to November 2, 2018 at IIT Mandi, Himachal Pradesh, India.
20. Vandana Kumari, **Manoj Saxena** and Mridula Gupta (2018), *RingFET Architecture for High Frequency Applications: TCAD based Assessment*, IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON), The Pride Hotel, Kolkata, India during November 24-25, 2018. Organized by IEEE EDS Kolkata Chapter.
21. Vandana Kumari, Ayush Kumar, **Manoj Saxena** and Mridula Gupta (2018), *Sub-threshold Drain Current Model of Shell-Core Architecture Double Gate Junctionless Transistor*, IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON), the Pride Hotel, Kolkata, India during November 24-25, 2018. Organized by IEEE EDS Kolkata Chapter.
22. Upasana, Hasti Kasundra, Mridula Gupta and **Manoj Saxena** (2018), *Studying the Impact of Compound Semiconductor Material in Drain Region Extended Tunnel Transistor for SoC Applications*, IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON), The Pride Hotel, Kolkata, India during November 24-25, 2018. Organized by IEEE EDS Kolkata Chapter.
23. Neha Dahiya, Vandana Kumari, Mridula Gupta, **Manoj Saxena** (2018), *Breakdown Voltage Analysis of Different Field Plate AlGaIn/GaN HEMTs : TCAD Based Assesment*, IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON), The Pride Hotel, Kolkata, India during November 24-25, 2018. Organized by IEEE EDS Kolkata Chapter.
24. **Anurag Mishra** presented a paper on *Lifting Wavelet Transform Based Fast Watermarking of Video Summaries* Using Extreme Learning Machine at the International Joint Conference on Neural Networks 2018 at Rio de Janerio, Brazil.
25. **Anurag Mishra** presented a paper on *Neuro-Fuzzy Architecture for Grayscale Image Watermarking Using Fractal Dimensions* at the International Joint Conference on Neural Networks 2018 at Rio de Janerio, Brazil.
26. **Anurag Mishra** presented a paper on *Optimization of Scaling Factors for Image Watermarking Using Harmony Search Algorithm at the International Conference on Computational Science and its Applications*, 2018.
27. **Rajan Gupta**, Sushmita Yadav, Avinash Prasad & Saibal K Pal (2018), *Measuring Data Quality across Open Government Datasets*, Facets of Business Excellence (FOBE) in IT, IMT Ghaziabad, 1(1), pp. 442-451, Bloomsbury Publication, ISBN-978-93-88630-06-1.
28. **R.Gupta**, S. Yadav, A. Prasad, and S.K. Pal, (2018), *DQAT: Data Quality Assessment Tool*, 6th International Conference on Business Analytics and Intelligence 2018 (ICBAI-2018) Bangalore, 1(1), pp. 656-661, Analytics Society of India (IISc and IIM Bangalore), ISBN 978-93-86768-21-6.

## ORAL PAPER PRESENTATION

1. **Dr. Arpita Sharma** presented a paper on *Awakened Leadership for Crises Management* in three days International Conference of Indian Society for Indic Studies at SOL, Delhi University from February 20-22, 2018.
2. **Dr. H. P. Roy** presented a paper on *Internal Security: Interrogating Maois*, in an International Seminar on Indian Strategic Culture and Policy Options, Department of Political Science, Pondicherry University from February 25-27, 2019.
3. **Dr. H. P. Roy** presented a paper on *Impact of Globalization on North-East* in a National Seminar on Globalization and Its Implication for North East India organised by the Nehru Memorial Museum & Library, New Delhi and Department of Political Science, school of Social Sciences, Mizoram University on October 3-4, 2018.
4. **Dr. H. P. Roy** presented a paper on *Naxal-Maoist Movement and Indian State* in a National Seminar on Regions and the Center:Emerging Dynamics of Federal since the 1990s at the Indian Institute of Advanced Study, Shimla, on October 9-11, 2018.
5. **Dr. H. P. Roy** presented a paper on *Idea of Rajniti* in a National Workshop on Indic Thought organised by Developing Countries Research Center , University of Delhi and Indian Council for Social science Research (Northern Regional Center) on January 24-25, 2019.
6. **Dr. H. P. Roy** presented a paper on *Indic Islam* in a Seminar on Indic Thought: Exploring the Indianness organized by the Department of Political Science, Goa University on January 28-29, 2019.
7. **Dr. H. P. Roy** presented a paper on *Constitutional Provision and Electoral Reform in India* organized by the Department of Political Science, University of Hyderabad on March 28-29, 2019.
8. **Dr. Yogieta Mehra** presented a paper on *Monetary Policy impact on Inflation in India* at ICSSR Sponsored XX International Conference on Global Vision 2030: Challenges & Opportunities organized by DSPSR at Deen Dayal Upadhyaya College from January 4 -5 2019.
9. **Dr. Nitumoni Kakati** presented a paper on *The Politics of Development and the Deeping of Democracy: A Case of Anti-dam Movement in India's North-east*, in 58<sup>th</sup> All India Political Science Conference and International Conference on Aspiring India of Indian Political Science Association organized by the Department of Political Science, Chaudhary Charan Singh University, Meerut on December 29-30, 2018.
10. **Dr. Nitumoni Kakati** presented a paper on *Ethnicity and identity Politics: A study of India's Northeast* in a two-day National Conference on Nationalist Discourse on inclusion in India organised by the Center for Gandhi and Peace Studies, School of Social Sciences, IGNOU and Prajna Pravah, New Delhi on August 4-5, 2018.
11. **Dr. Nitumoni Kakati** presented a paper on *Youth and Elections in India's Northeast* in a one day National Seminar on Lok Sabha Election 2019 organized by the Department of Political Science, Deen Dayal Upadhyaya College, University of Delhi on March 26, 2019.
12. **Rakesh Kumar** presented a paper on *India & South Asia: Geopolitics, Trade Linkages and Growth Spillovers* at the International conference on Analytics for Economics and Management 2018 organized by School of Economics and Management, National Research University, Higher School of Economics, Russia during September 21-22, 2018.
13. **Rakesh Kumar** presented a paper on *Causal Nexus Between Trade Integration and Economic Growth- A case of India and China* at 54<sup>th</sup> Annual conference of The Indian Econometric Society at Sri Mata Vaishno Devi University, Katra J&K during March 7-9, 2018.
14. **Mamta Amol Wagh** presented a paper on *Duals of Some Entire Bicomplex Spaces* at the Mini – symposium in Mathematics organized by Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi on February 22 – 23, 2019.

15. **Kamlesh Kumari** presented a paper on *Role of Science, Technology and Management for Employment Generation in India* at a National Seminar organized by G.G.D.S.D. College, Palwal, Haryana on October 6, 2018.
16. **Vandana Sharma** presented a paper on *Towards Sustainable Development in Agriculture* at an International Conference on 21st Century India: Interrogating Social, Economic, political and environmental processes organised by Satyawati College (Eve), University of Delhi, on April 24-25, 2018.
17. **Vandana Sharma** presented a paper on *India's Global Narratives on Climate Change* at the International Conference on Kautilya and contemporary world- Economy, Strategy, Governance at CPDHE, University of Delhi on March 17, 2019.
18. S. Bhatnagar, A. Jain, **Reeta Kumari** (2019), *Effect of Urbanization on deforestation in India* in International Conference on Contemporary Issues in Integration, Health, Nutrition with The emerging Areas of Food technology, Agriculture, Environment and Allied Science, Conference Proceedings ISBN :978-93-85822-87- 2, pp 86-88.
19. Anchal Garg, **Pramod Kumar** and NC Gupta presented a paper on *BTEX Emissions and Its Associated Health Risks on Human Health in Outdoor Air of Delhi* at the Science Festival **TURIYOJAS**, 2019 at Deen Dayal Upadhyaya College, University of Delhi, Sector-3, Dwarka, New Delhi on February 11-12, 2019.
20. **R.M. Bharadwaj** presented a paper on *Historicity and Textuality of the Kumbh* at the Crafts Museum, Ministry of Textiles, Govt. of India, organized POORNA KALASH: KUMBH 4-day Festival at Pragati Maidan, New Delhi on December 6-9, 2018. The Times of India, Thursday, Dec.6, 2018.
21. **Mahaveer Genwa** presented a paper on *Recent Developments in Interdisciplinary Research* in the Indo-US Colloquium at Hansraj College, University of Delhi, July 2, 2018.
22. **Mahaveer Genwa** presented a paper on *Use of Scientific and Technical terminologies in Sustainable Environment* in a National Seminar at Gargi College, University of Delhi from March 14-16, 2019.
23. **Mahaveer Genwa** presented a paper on *Energy and Environment: Perspective & Challenges (NCEE-2019)* in the National Conference at the Department of Chemistry, JNV University, Jodhpur on March 9-10, 2019.
24. **Mahaveer Genwa** presented a paper on *Solar Energy: Natural Source for Sustainable Energy in Future* at the International Winter School, Shyam Lal College, University of Delhi from March 3-7, 2018.
25. **Reeta Kumari** presented a paper on *Microbial Fuel Cells as an imminent resource of Power Generation and Wastewater Management* at the National Symposium on Microbes and Nanotechnology in Sustainable Environment at the Department of Botany, Kirori Mal College, University of Delhi in association with Indian Society of Analytical Scientists (ISAS) - Delhi Chapter on February 7, 2019.
26. Gupta S, Sharma R, Mishra S, Sharma R, Maurya N, Gaur K, **Reeta Kumari** and **C. Kalra**, presented a paper on *Bioremediation: A need for Cleaner Future* National Symposium on Microbes and Nanotechnology in Sustainable Environment at the Department of Botany, Kirori Mal College, University of Delhi in association with Indian Society of Analytical Scientists (ISAS) - Delhi Chapter on February 9, 2019.
27. Shivangi Das and **Sandeep Kumar**, presented a paper on *Child Health and Socio Economic Condition, An Inseparable Reality* in Science Festival-TURIJOYAS 2019 at Deen Dayal Upadhyaya College (University of Delhi), Sector-3, Dwarka, New Delhi, India-110078 on February 11-12, 2019.

## POSTER PRESENTATION

1. **Vandana Sharma** (2019), *India Sets Global Narratives on Climate Change* in DBT and INSA funded Science Festival Turiyojas organized at Deen Dayal Upadhyaya College, University of Delhi on March 11-12, 2019.
2. **Reema Chhabra** and **Chetna Angrish** (2018), *Oxidative Stress and Cancer: An Overview* at the National Conference on Innovations in Sciences and Emerging Challenges in Health and Environment (NSHE-2018) at Daulat Ram College, University of Delhi in March 2018.
3. **Rajkumari Sanayaima Devi**, Priya Singh Kushwaha and Kritika Bahuguna (prepared under the aegis of DBT Star College Scheme), *Synthetic Seeds: A promising method to conserve endangered plant species* was selected for National Science Day 2018 celebration organized by Indian National Science Academy, Delhi, Indian Academy of Sciences, Bengaluru and the University of Delhi on February 28, 2018 at INSA, Delhi.
4. Prashant Shaw, Niyaz Ahmed, Riya Pakhre, Sonia, Shivangi Das, Rohan Kashyap, Manisha, Ayushi Yadav, **S.N.Tripathi**, **Sandeep Kumar** and **Rajkumari Sanayaima Devi**, *Analysis of Microflora Present in Polluted Water of Suburban City Dwarka, New Delhi, India* at the Science Festival TURIJOYAS, 2019 at Deen Dayal Upadhyaya College, University of Delhi, Sector-3, Dwarka, New Delhi on February 11-12, 2019.
5. **Mamta Amol Wagh** (2018), *Functional Analytic Study of Some Bicomplex Sequence Spaces* at the Young Scientist Conference, 4th Indian International Science Festival (IISF), 2018 at IGP, Lucknow from October 5-8, 2018.
6. **Sudhir Verma** (2018), *Research Based Pedagogical Tools-Proof of Concep* at the Young Scientist Conference, India International Science Festival, Lucknow from October 5-8, 2018.
7. Sneha Bisht, Abhay Verma, Rohan Bahl, Poonam Kasturi & **Shailly Anand** (2018), *Biological effects of different acoustic treatments on growth & biosynthetic capabilities of unicellular & multicellular forms*, National Science Day organized by Indian National Science Academy (INSA) on February 28, 2018.
8. **Varnika Bhatia** (2018), *Conservation, protection and monitoring illegal trade of Ephedra species through DNA barcoding* at Young Scientists Conference, India International Science Festival, Lucknow from October 5-8, 2018.
9. **Varnika Bhatia** (2018), *Challenges and Strategies to Improve Crop Productivity in Changing Environment* at the National Conference organized by the Department of Botany, Zakir Husain Delhi College, University of Delhi on January 12, 2018.
10. Bhupendra Kumar, Ajay Veer, Akash Banerjee Tulsi and Pramod Kumar (2019), *A Study on Annual Variations Among Various Air Pollutants in Ambient Air of Delhi* at the Science Festival TURIYOJAS, 2019 at Deen Dayal Upadhyaya College, University of Delhi, Sector-3, Dwarka, New Delhi on February 11-12, 2019.
11. **Dr. S. N. Tripathi** presented a poster on the theme Swatchh Bharat titled *Innovative technologies to address water and sanitation issues in India to strengthen Swatchh Bharat Mission* at the Young Scientist Conference organized under India International Science Festival, from October 5-8, 2018.
12. **Dr. Charu Kalra** and **Dr. Reeta Gautam** presented a Poster titled *Nanomedicine: Strategem for Cancer, Metagenomics: The Hidden Treasure of Pharmaceuticals, and Herbal Products-A Paradigm Shift in Consumer's Perception* in Ist International Conference on Integrative Chemistry, Biology and Translational Medicine organized by Loyola University, Chicago and Hansraj College, University of Delhi at the Conference Centre, North Campus, University of Delhi on February 24 - 25, 2019. The poster *Metagenomics: The Hidden Treasure of Pharmaceuticals* won the **BEST POSTER AWARD**.
13. Prashant Shaw, Niyaz Ahmed, Riya Pakhre, Sonia, Shivangi Das, Rohan Kashyap, Manisha, Ayushi Yadav, **S.N.Tripathi**, **Sandeep Kumar** and **Rajkumari Sanayaima Devi** presented a



poster titled *Analysis of Microflora Present in Polluted Water of Suburban City Dwarka, New Delhi, India* in the Science Festival-TURIJOYAS 2019 at Deen Dayal Upadhyaya College, University of Delhi on February 11-12, 2019.

14. Arushi Jain, Rushmika Rawat and **Sandeep Kumar** presented a poster titled *Targeted genome editing by CRISPR/CAS9: New Era in Molecular Biology* in the Science Festival-TURIJOYAS 2019 at Deen Dayal Upadhyaya College, University of Delhi on February 11-12, 2019.

15. **Dr. A. K. Singh** presented posters at

- The 13th Asian International Seminar on *Atomic and Molecular Physics, Spectroscopic Study of EUV and SXR Transitions of Cu XIX with Plasma Parameters*, IIT Bombay, Mumbai, India, December 3-8, 2018.
- The 13th Asian International Seminar on *Atomic and Molecular Physics, Relativistic R-matrix Calculations of Photoionization Cross Sections of Cu XVIII*, IIT Bombay, Mumbai, India, December 3-8, 2018.
- 13th Asian International Seminar on *Atomic And Molecular Physics, Accurate Study on the Properties of Spectral Lines for Na-Like Cr<sup>13+</sup>*, IIT Bombay, Mumbai, India, December 03-08 2018.
- The National Conference on *Recent Trends in Materials Science and Spectroscopy (RTMS2019), Dirac-atomic R-matrix Calculations of Photoionization Cross Sections of Se XXIII and Atomic Structure Data of Se XXIV*, AMU, Aligarh, UP on March 2-3, 2019.
- The National Conference on *Recent Trends In Materials Science and Spectroscopy (RTMS2019)', Relativistic R-Matrix Photoionization Cross Sections Calculations of Ne-Like Co XVIII with Resonance Parameters*, AMU, Aligarh, UP, March 02-03, 2019.
- The National Conference on *Atomic, Molecular and Nano Sciences (NCAMNS-2019), Photoionization Cross Sections Calculations of Cu<sup>17+</sup>*, Aliah University, IIA/27, Newtown, Kolkata, April 03-04, 2019.
- The National Conference on *Atomic, Molecular and Nano Sciences (NCAMNS-2019), Relativistic Atomic Structure Calculations of Cr XIV*, Aliah University, IIA/27, Newtown, Kolkata, April 03-04, 2019.

## PARTICIPATION OF FACULTY MEMBERS IN SEMINARS/CONFERENCES/WORKSHOPS / ETC

1. **Vandana Sharma** attended

- The International Conference on *21st Century India: Interrogating Social, Economic, political and environmental processes* organised by Satyawati College (Eve), University of Delhi on April 24-25, 2018.
- International Conference on *Kautilya and contemporary world- Economy, Strategy, Governance* at CPDHE, University of Delhi on March 17, 2019.
- Faculty Development Programme on *MOOCS* organized by the Department of Management Studies, Deen Dayal Upadhyaya College, University of Delhi on November 17, 2018.
- Short Term Course on *Research Methodology* organized by CPDHE, UGC-HRDC, University of Delhi from December 18-24, 2018.

2. **Dr. SN Tripathi** participated in

- The 2<sup>nd</sup> *Refresher Course in Environmental Studies (Interdisciplinary)* organized by UGC-HRDC Jawaharlal Nehru University, New Delhi from 12 November to 7 December 2019.
- FDP on 'Bhasha, Sahitya, Media and Paryavaran' organized by Mahatma Hansraj Faculty Development Centre (PMMMMT &T) and Arts Faculty from 10 December to 23 December 2018 at Arts Faculty, University of Delhi.
- *Young Scientist Conference* organized under India International Science Festival, from October 5-8, 2018.

### 3. Pramod Kumar participated in

- Workshop on *Recent Trends in Bioinformatics* organized by the Department of Botany, Deen Dayal Upadhyaya College, University of Delhi under DBT Star College Scheme on January 31, 2018.
- Three Day Workshop on *Cyber Security* organized by the Department of Electronics under the aegis of DBT Star College Program held at Deen Dayal Upadhyaya College, University of Delhi during April 13-15, 2018.
- One day Faculty Development Programme on *Teachers as Mentors* organized by Mentoring & Counselling Committee, Deen Dayal Upadhyaya College, University of Delhi on August 23, 2018.

### 4. Dr. Charu Kalra attended

- One week Workshop on *MOOCs E-Content Development and Open Educational Resources* at CPDHE, University of Delhi from March 13-19, 2019.
- One day National Symposium on *Microbes and Nanotechnology in Sustainable Environment* organized by Kirori Mal College, University of Delhi on February 7, 2019.
- One week Interdisciplinary Faculty Development Program on *Effective Teaching and Learning Practices* organised by Shyama Prasad Mukherji College for Women, University of Delhi from September 22-26, 2018.
- A four-day Workshop on *Research-Based Pedagogical Tools (RBPTs)* organized by the Centre of Excellence in Science and Mathematics Education (COESME), Indian Institute of Science Education (IISER), Pune held at Jaipur from September 28 - October 1, 2018.
- One day Faculty Development Program on *MOOCs (Massive Open Online Courses)* organized by the Department of Management Studies, Deen Dayal Upadhyaya College, University of Delhi on November 17, 2018.

### 5. Dr. Reeta Kumari participated in

- One week Faculty Development Programme on *Effective Teaching and Learning Practices*, organized by Shyama Prasad Mukherjee College for Women, University of Delhi from September 22-26, 2018.
- Two week Faculty Development Programme on *Challenges Before the Academia in the era of Gadgets, E-communication and Artificial Intelligence* organized by Mahatma Hansraj Faculty Development Centre (MHRFDC) under PMMMMNMTT (Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching) from December 15-28, 2018.

### 6. Dr. Meghna Aggarwal attended

- One day Faculty Development Programme on *Teachers as Mentors* organized by Mentoring & Counselling Committee, Deen Dayal Upadhyaya College, University of Delhi on August 23, 2018.
- A One-day FDP on MOOCs (Massive Open Online Courses) organized by the Department of Management Studies, Deen Dayal Upadhyaya College on November 17, 2018.
- The National Seminar on *India Inc.: Quo Vadis? Governance, Performance, Impact* organized by the Department of Commerce, Deen Dayal Upadhyaya College, University of Delhi on October 11, 2018.
- The Regional Seminar on *Financial Inclusion through Financial Education* organized by Department of Commerce, Deen Dayal Upadhyaya College, University of Delhi in association with SEBI, NSE and Association of Mutual Funds in India on August 1, 2018.
- The ICSSR sponsored XX Annual International Conference on the theme *Global Vision 2030: Challenges and Opportunities* at Deen Dayal Upadhyaya College, New Delhi organized by the Department of Management Studies in association with Delhi School of Planning and Research Studies, GGS Indraprastha University on January 4-5, 2019.
- Indian Education Congress 2018 at JW Marriott, Aerocity, New Delhi on February 13, 2019.

**7. Dr. Varnika Bhatia** participated in

- The National Conference on *Technological Empowerment of Women* at Vigyan Bhawan, New Delhi during March 8-9, 2018.
- The UGC-Sponsored Short Term Course on *Nation Building* at CPHDE-HRDC, University of Delhi from December 18-24, 2018.
- The Faculty Development Program on *MOOCs* organized by the Department of Management Studies at Deen Dayal Upadhyaya College, University of Delhi on November 17, 2018.
- A Workshop on *Introductory Evolutionary and Phylogenetic Biology* at the Department of Botany, University of Delhi on January 4-5, 2019.
- A Workshop on MOOCS - E-content Development and Open Educational Resource organized by CPDHE, UGC-HRDC, University of Delhi from March 13-19, 2019.

**8. Dr. AK Singh** participated in

- 13th Asian International Seminar on *Atomic and Molecular Physics*, IIT Bombay, Mumbai, India, December 03-08, 2018.
- National Conference on *Recent Trends in Materials Science and Spectroscopy (RTMS2019)*, AMU, Aligarh, UP, March 02-03, 2019.
- National Conference on Atomic, Molecular and Nano Sciences (NCAMNS-2019), Aliah University, IIA/27, Newtown, Kolkata, April 03-04, 2019.

**9. Dr. Yogieta Mehra** attended

- A seven days Faculty Development Programme on *Research Techniques for Cross-sectional, Time Series and Panel Data*, 2018 at Sri Guru Gobind Singh College of Commerce, University of Delhi from June 8-14, 2019.
- FDP on *University Functioning and Blended Learning* at Guru Angad Dev Teaching and Learning Centre of MHRD at SGTB Khalsa College University of Delhi from December 8 – 20, 2018.
- Online Refresher Course in Management organized by ARPIT on the Swayam portal of MHRD, Government of India. Cleared the test organised by NTA towards completion of the same held on March 30, 2019.

**10. Dr. Sanjay Kumar** participated in

- A Discussion-Meeting on *Several Complex Variables*, held at TIFR\_CAM, Bangalore from October 15 - 20, 2018.
- HAYAMA Symposium on *Complex Analysis in Several Variables XX & Pacific Rim Complex-Symplectic Geometry Conference* July 13-17, 2018.

**11. Dr. Ratnesh Rajan Saxena** participated in Mathematics- Mini-Symposium at Deen Dayal upadhyaya College under the DBT star program of Govt. of India on February 22-23, 2019.**12. Dr. Poonam Garg** participated in the National Conference on *Technological Empowerment of Women* at Vigyan Bavan, New Delhi on March 8-9, 2018.**13. Dr Mamta Amol Wagh** participated in

- The National Conference on *Technological Empowerment of Women* at Vigyan Bhavan, New Delhi on March 8-9, 2018.
- The 4th Indian International Science Festival (IISF), 2018 at IGP, Lucknow from 5th -8th October 2018.
- The Faculty Development Program on *Entrepreneurship, Motivation & Leadership* organized by Atma Ram Sanatan Dharma College in association with the National Institute for Entrepreneurship and Small Business Development (NIESBUD) from December 24-30, 2018.

- The Faculty Development Program on *Teachers as Mentors* organized by Mentoring and Counselling Committee, Deen Dayal Upadhyaya College on August 24, 2018.

**14. Dr. Dinesh Kumar** participated in

- Advanced Instructional School on *Several Complex Variables* at the Department of Mathematics, IISc Bangalore from June 11 - 23, 2018.
- Teacher's Enrichment Workshop on *Differential Equations, Mathematical Modelling and Analysis* at Deshbandhu College, University of Delhi from July 24-29, 2018.

**15. Dr. Rashmi Gupta** participated in

- The Faculty Development Program on *Biostatistics: Theoretical and Practical Aspects* organized by Deen Dayal Upadhyaya college, under the aegis of DBT star college scheme, Department of Biotechnology, Government of India from March 14-18, 2018.
- The Faculty Development Program on *Teachers as Mentors* organized by Mentoring and Counselling Committee, Deen Dayal Upadhyaya College on August 24, 2018.

**16. Mr. Tarachand Prajapati** participated in

- The Faculty Development Program on *Teachers as Mentors* organized by Mentoring and Counselling Committee, Deen Dayal Upadhyaya College on August 24, 2018.
- UGC Sponsored National Seminar on *A trend towards Machine Learning: Techniques and Applications* at Deen Dayal Upadhyaya College from December 26, 2017 – January 01, 2018.
- One week Faculty Development Program (FDP) on *Data Science and Big Data Analytics* conducted by ICT Academy at Deen Dayal Upadhyaya College from March 6-10, 2018.

**17. Dr. Kapil Bohra** attended the 124<sup>th</sup> Orientation Program held at the UGC Human Resource Development Centre, Jamia Millia Islamia, Delhi from February 12, 2019 to March 12, 2019.

**18. Dr. Jyoti** participated in

- A four week Orientation Programme held at the UGC-Human Resource Development Centre, Jamia Millia Islamia, Delhi from February 12, 2019 to March 12, 2019.
- The 2<sup>nd</sup> Refresher Course in *Environmental Studies (Interdisciplinary)* organized by UGC-HRDC Jawaharlal Nehru University, New Delhi from November 12 - December 7, 2019.
- The Faculty Development Program on Bhasha, Sahitya, Media and Paryavaran organized by Mahatma Hansraj Faculty Development Centre (PMMMMT &T) and Arts Faculty at Arts Faculty, University of Delhi from December 10 to December 23, 2018.

**19. Dr. P.K. Jha** participated in

- An International Symposium on Functional Materials (ISFM-2018) on *Phase-Pure Highly Oriented  $\text{Bi}_2\text{Fe}_4\text{O}_9$  Thin Films Grown Using Pulsed Laser Deposition Technique* at Chandigarh, India from April 13-15, 2018.
- National conference on *Recent Trends And Advancements in Chemical Sciences, 3d Transition Metal Doped  $\text{Bi}_2\text{Fe}_4\text{O}_9$ : Study of Electronic, Structural and Magnetic Properties* at New Delhi from March 29-31, 2019.
- National conference on *Recent Trends and Advancements in Chemical Sciences, Study of Defect and Migration Mechanism in  $\text{BiFeO}_3$  Based on First Principles* at New Delhi from March 29-31, 2019.

**20. Anita Gulati, Sudhir Verma, Kamlesh Kumari** attended a one day training workshop on *Zebrafish Model System* organized by the Departments of Biochemistry and Zoology, Daulat Ram College, University of Delhi on March 17, 2018.

**21. Anita Gulati, Lathika Nair, Renu Solanki, Shailly Anand, Sudhir Verma and Kamlesh Kumari** participated in the Faculty Development programme on *Teachers as Mentors* organized by Deen Dayal Upadhyaya College, University of Delhi on August 23, 2018.

**22. Anita Gulati, Shailly Anand & Priya Goel** participated in the National Conference on *Technological Empowerment of Women* organized by Science Academies at Vigyan Bhawan on March 8-9, 2018.

**23. Renu Solanki** participated in

- The National Conference on *Environmental Challenges for New India* at Dr. Bhim Rao Ambedkar College, University of Delhi organized by the Environment and Social Development Association (ESDA) in collaboration with Dr. Bhim Rao Ambedkar College, CSIR-NEERI and NESAI Delhi on June 2-3, 2018.
- A one week Faculty Development Program on *Environment Sustainability and Higher Education* organized by Dyal Singh College, University of Delhi from June 4-11, 2018.
- The Faculty Development Programme cum Workshop on *Climate Across the Curriculum: Resources for Integrating Climate Topics in Discipline-Specific Teaching* at Sri Venkateswara College, Delhi University on October 13-14, 2018.
- The 1<sup>st</sup> International Conference on *Integrative Chemistry, Biology and Translational Medicine* (ICBTM-2019) organized by the Centre for Global Health, Hansraj College, University of Delhi & Loyola University Chicago Stritch School of Medicine, USA from February 26-27, 2019.
- The Refresher Course in *Contemporary Issues of the World* conducted by the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, from November 27, 2018 to December 17, 2018.

**24. Kamlesh Kumari** participated in

- The Faculty Development Programme cum Workshop on *Climate Across the Curriculum: Resources for Integrating Climate Topics in Discipline-Specific Teaching* at Sri Venkateswara College, Delhi University on October 13-14, 2018.
- A one day workshop on *Archival Sciences* at ARSD College, Delhi University on February 20, 2018.
- The National Conference on *Nationalist Discourse on Inclusion in India* at IGNOU, Delhi from August 4-5, 2018.
- The Faculty Development Programme on *Sustainable Development* at Atma Ram Sanatan Dharma (ARSD) College, Delhi University from October 15, 2018 to October 22, 2018.

**25. Shailly Anand** attended

- The 1<sup>st</sup> International Conference on *Integrative Chemistry, Biology and Translational Medicine* (ICBTM-2019) organized by the Centre for Global Health, Hansraj College, University of Delhi & Loyola University Chicago Stritch School of Medicine, USA from February 26-27, 2019.
- A five day Faculty Development Program on *Biostatistics: Theoretical and Practical Aspects* organized by the Departments of Mathematics and Botany, Deen Dayal Upadhyaya College (University of Delhi) from March 14-18, 2018.
- The Refresher Course in *Contemporary Issues of the World* conducted by the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi, from November 27, 2018 to December 17, 2018.

**26. Priya Goel** attended a five day Faculty Development Program on *Biostatistics: Theoretical and Practical Aspects* organized by the Departments of Mathematics and Botany, Deen Dayal Upadhyaya College (University of Delhi) from March 14-18, 2018.

**27. Sudhir Verma** participated in

- Great Backyard Bird Count from February 15-18, 2018.
- *Research Based Pedagogical Tools (RBPT) Writers Workshop* for STEM Teachers at IISER Pune by experts from Sheffield Hallam University, UK, jointly sponsored by DBT, British Council and MHRD from January 20-23, 2019.

**28. Ms. Deepa Kamra** attended

- The ICSSR sponsored XX Annual International Conference on the theme *Global Vision 2030: Challenges and Opportunities* at Deen Dayal Upadhyaya College, New Delhi organized by the Department of Management Studies in association with Delhi School of Planning and Research Studies, GGS Indraprastha University on January 4-5, 2019.
- A One-day FDP on MOOCs (Massive Open Online Courses) organized by the Department of Management Studies, Deen Dayal Upadhyaya College on November 17, 2018.

**29. Dr. Monika Bansal** attended

- UGC Sponsored short term course on *Research Methodology* organized by CPDHE, University of Delhi from December 18, 2018 to December 24, 2018.
- One-day FDP on MOOCs (Massive Open Online Courses) organized by the Department of Management Studies, Deen Dayal Upadhyaya College on November 17, 2018.

**30. Dr. Rakesh Kumar** attended a one week FDP on *Panel Data and Time Series Analysis* organized by VIPS, GGSIP University, New Delhi.**31. Dr. Lalit Kumar** attended a four-week UGC sponsored Orientation Programme at CPDHE, University of Delhi from November 27 to December 24, 2018.**32. Mr. Nitin Luthra** participated in a two-week interdisciplinary Faculty Development Programme on *Gender, Research Methods, and Pedagogies* organized by Mahatma Hansraj Faculty Development Centre (A centre of MHRD, Government of India) from November 20 to December 3, 2018.**33. Dr. Rohith P** attended a 21-day *Refresher Course in English* organised by HRDC, University of Hyderabad from December 7-27, 2018.**34. Dr. Shweta Wadhwa** attended the Faculty Development Program on *Teachers as Mentors* organized by Mentoring and Counselling Committee, Deen Dayal Upadhyaya College on August 24, 2018.**35. Dr. HP Roy** participated in a National Conference on *Nationalist Discourse on Inclusion* organized by the Center for Gandhi and Peace Studies, School of Social Sciences, IGNOU and Prajna Pravah, New Delhi on August 4-5, 2019.**36. Dr. Sujata Khatri and Dr. Anuja Soni** attended three days workshop on *Cyber Security* from April 13-15, 2018.**37. Dr. Anuja Soni** participated in one week Faculty Development Program on *Data Science and Big Data Analytics* conducted by ICT Academy at Deen Dayal Upadhyaya College, Dwarka from March 6-10, 2018.**38. Dr. Rajan Gupta** participated in

- The Faculty Development Program on *Teachers as Mentors* organized by Mentoring and Counselling Committee, Deen Dayal Upadhyaya College on August 24, 2018.
- *Winter School on Artificial Intelligence* by Infosys Center of Artificial Intelligence at IIIT-Delhi from January 18-21, 2019

**39. Dr. Mahaveer Genwa** participated in

- A Workshop on Intellectual Property Rights (IPR) August 28, 2018, Deen Dayal Upadhyaya College, University of Delhi.
- International winter School, SLC, University of Delhi, from March 3-7, 2018.
- Refresher course in Chemistry from SWAYAM, MHRD, GOI. (01 Nov 18 - 28 Feb 19).

## CONFERENCES / WORKSHOPS / SEMINARS ORGANIZED

1. **Dr. Rajkumari Sanayaima Devi, Dr. Poonam Garg, and Dr. Mamta Amol Wagh** as coordinators organised an FDP on *Biostatistics - Theory & Practice* under DBT Star College Scheme from March 14-18, 2018.
2. **Dr. S. N. Tripathi** as co-coordinator organised an FDP on *Biostatistics - Theory & Practice* under DBT Star College Scheme from March 14-18, 2018.
3. **Dr. Rajkumari Sanayaima Devi** as an organizing committee member helped in organizing the *Outreach Program* for class X students of Kendriya Vidyalaya, Sector-12, Dwarka from October 24-29, 2018.
4. **Dr. Ratnesh Rajan Saxena** organised a two-day *Mini-Symposium in Mathematics* for the Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi from February 22-23, 2019.
5. **Dr. Sanjay Kumar** organized
  - An *Undergraduate Talk as well as a Colloquium Talk* by Prof. Gautam Bharali, IISc Bangalore at the Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi on November 9, 2018.
  - A two-day *Mini-Symposium in Mathematics* in Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi from February 22-23, 2019.
  - An undergraduate talk by Shanti Swaroop Bhatnagar awardee Prof. Mahan Mj. at Deen Dayal Upadhyaya College, University of Delhi on February 24, 2019.
6. **Dr. Poonam Garg** as a member of the organizing committee organized
  - An educational visit to Biomathematics Lab & workshop on *Mathematical Biology* organized by Biomathematics Forum, Department of Biophysics and Department of Mathematics, University of Delhi, South Campus on April 23, 2018.
  - A lecture by Dr. Rashmi Verma on *Congruence relation and its applications* under the aegis of DBT star college program on February 1, 2019.
  - A *Mini symposium in Mathematics* organised by the Department of Mathematics under DBT Star College Program on February 22-23, 2019.
  - As co-convenor organized a two days Hands-on workshop on *Mathematica/Excel/ Tora* under the aegis of DBT Star College Scheme on July 12-13, 2018.
7. **Dr. Poonam Garg and Dr. Mamta Amol Wagh** as coordinators organized
  - A five day workshop on *Numerical Methods and its Applications in various Allied Fields of Sciences with MATHEMATICA* under the aegis of DBT Star College Program from September 17 – September 22, 2018.
  - First Hands-on Workshop on *Numerical Methods with Mathematica* at Deen Dayal Upadhyaya College under the aegis of DBT star college scheme on March 6, 2019.
  - Second Hands-on Workshop on *Numerical Methods with Mathematica* at Deen Dayal Upadhyaya College under the aegis of DBT star college scheme on March 8, 2019.
  - Three Hands on Workshops in *TORA* for B.Sc. Physical Science and Mathematical Science students at Deen Dayal Upadhyaya college under the aegis of DBT Star College Programme on February 21, February 28 and March 7, 2019.
8. **Dr. Mamta Amol Wagh** coordinated
  - An educational visit to Biomathematics Lab and workshop on *Mathematical Biology* organized by Biomathematics Forum, Department of Biophysics and Department of Mathematics, University of Delhi, South Campus on April 23, 2018.

- A two days Hands-on workshop on *Mathematica/Excel/Tora* under the aegis of DBT Star College Scheme on July 12-13, 2018.
- A lecture by Dr. Rashmi Verma on *Congruence relation and its applications* under the aegis of DBT star college program on February 1, 2019.
- Co-coordinated the Mini symposium in Mathematics under the DBT Star College Program on February 22-23, 2019.

**9. Dr. Rashmi Gupta and Mr. Tarachand Prajapati** as members of the organizing committee helped in organizing

- A five day workshop on *Numerical Methods and its Applications in various Allied Fields of Sciences with MATHEMATICA* under the aegis of DBT Star College Program from September 17 – September 22, 2018.
- A lecture by Dr. Rashmi Verma on *Congruence relation and its applications* under the aegis of DBT star college program on February 1, 2019.
- The *Mini symposium in Mathematics* under the DBT Star College Program on February 22-23, 2019.

**10. Mr. Ravi Kumar Meena** as member of the organizing committee helped in organizing the *Mini symposium in Mathematics* under the DBT Star College Program on February 22-23, 2019

**11. Mr. Ankit Rajpal as an organizing committee member helped in organizing**

- A two-day workshop on *Natural Language Processing* at Deen Dayal Upadhyaya College on February 13-14, 2019.
- A Power Seminar on *Nurturing Young Graduates on Industry Readiness* in collaboration with ICT Academy on August 31, 2018.
- A 100-hour Add-on Course on *Online Retailing: An Industry Orientation for Undergraduate Students* under the aegis of IQAC-DDUC from June 1-27, 2018.
- A national workshop on *A trend towards machine learning: Techniques and Applications* sponsored by UGC at Deen Dayal Upadhyaya College from December 26, 2017- January 1, 2018.
- A two day International Conference on *Centres of Education Excellence and Sites of Knowledge in Early India up to 13<sup>th</sup> Century A.D.: History, Dimensions and New Researches (CESKE-2018)* organized by Department of History, DDUC and Indira Gandhi National Centre for Arts (IGNCA), New Delhi on October 12-13, 2018.

**12. Dr. Shweta Wadhera** as

- Convenor organized a two-day workshop on *Natural Language Processing* at Deen Dayal Upadhyaya College on February 13-14, 2019.
- Coordinated a 100-hour Add-on Course on *Online Retailing: An Industry Orientation for Undergraduate Students* under the aegis of IQAC-DDUC from June 1-27, 2018.

**13. Anita Gulati and Renu Solanki** as Convenors organized a two days Hands-on Workshop on *Immunotechniques, based on Antigen-Antibody (Ag-Ab) Interactions* Scheme at Deen Dayal Upadhyaya College, University of Delhi under the aegis of DBT Star College on June 13-14, 2018.

**14. Shailly Anand and Renu Solanki** as convenors organized a five days Hands-on workshop on *Basic Principles of Recombinant DNA Technology & Metagenomics* at Deen Dayal Upadhyaya College, University of Delhi under the aegis of DBT Star College Scheme on June 13-14, 2018.

**15. Sudhir Verma**

- Coordinated Science Academies' Lecture Workshop on *Role of Epigenetics in Health and Diseases* at Deen Dayal Upadhyaya College on April 05-06, 2018.



- Co-coordinated *DU Pre-entrance Summer School, Zoology* at University of Delhi from June 01-15, 2018.
- 16. Shailly Anand** as coordinator and **Sudhir Verma** as co-coordinator organized *Bani School Camp-III* under University of Delhi-INSA Outreach Program and DBT Star College Scheme at Government Senior Secondary School, Bani, Himachal Pradesh on October 15, 2018.
- 17. Rashmi Sharma** and **Nitish Kumar Mahato** organised *Bani School Innovation Camp-III (Dream School)* under University of Delhi-INSA Outreach Program, DBT Star College Project, Deen Dayal Upadhyaya College, and Ramjas College, University of Delhi at GSSS Bani School, Bani, Himachal Pradesh on October 15, 2018.
- 18. Deepa Kamra** as co-convenor organized the ICSSR sponsored XX Annual International Conference on the theme *Global Vision 2030: Challenges and Opportunities* at Deen Dayal Upadhyaya College, New Delhi, organized by the Department of Management Studies in association with Delhi School of Planning and Research Studies, GGS Indraprastha University on January 4-5, 2019.
- 19. Dr. Chetna Angrish and Dr. Reema Chhabra** as organizing committee members helped in organizing
- The *Outreach Program* for class X students of Kendriya Vidyalaya, Sector-12, Dwarka from October 24-27, 2018.
  - Science Festival, March 11-12, 2019, Deen Dayal Upadhyaya College, University of Delhi.
- 20. Dr. Chetna Angrish** as convenor and **Dr. Reema Chhabra** as co-convenor organized a Lecture cum Hands-on workshop on *Giving a Green Ethical Dimension to Chemistry* at Deen Dayal Upadhyaya College, University of Delhi on October 29-30, 2018.
- 21. Dr. Sunny Manohar** as coordinator organized various activities under the aegis of DBT Star College Scheme
- Industry-Academia Interaction Program on *Safe Handling of Glassware in Laboratory* on January 9, 2018.
  - Hands-on-Workshop on the *Introduction and Application of UV-Visible Absorption Spectroscopy* on February 20, 2018.
  - *Industrial Visit to Yakult Danone India Pvt. Ltd.* (Sonapat, Haryana) on March 10, 2018.
  - 3-day outreach activity, Workshop on *Ionic Equilibrium through Experiments* from May 14-16, 2018.
  - One-month summer project on topic *Energy Harvesting from Natural Dyes* from June 18, 2018 – July 17, 2018.
  - *Workshop on Intellectual Property Rights (IPR)* on August 28, 2018.
  - Lecture by Professor Ashok Kumar Bakhshi, Vice Chancellor, PDM University, Bahadurgarh, Haryana on *How to excel in chemistry in 21<sup>st</sup> century: some useful tips* on September 20, 2018.
  - Additional practical under DBT scheme on October 1, 2018.
  - A two-day lecture cum hands-on-workshop on *Giving a Green Ethical Dimension to Chemistry* was held on October 29-30, 2018.
- 22. Dr. Varnika Bhatia** as
- Convenor organized a two days Hands-on Workshop on *Molecular Techniques for undergraduate students* at Deen Dayal Upadhyaya College, University of Delhi under the aegis of DBT Star College Scheme on May 23-24, 2018.
  - Member of the organizing committee helped in organizing an Faculty Development Program on *Biostatistics* at Deen Dayal Upadhyaya College, University of Delhi under the aegis of DBT Star College Scheme on April 14-18, 2018.

23. **Dr. Vandana Sharma** organized Hands on Workshop on Bird Nest Making-Indian House Sparrow in DBT and INSA funded Science Festival Turiyojas at Deen Dayal Upadhyaya College, University of Delhi on March 11-12, 2019.

24. **Dr. Meghna Aggarwal** as convenor organized

- A symposium *DIGI-TALKS 2019* on January 29, 2019.
- A lecture on *Role of Higher Education in Entrepreneurship* by Dr. Arun Sharma at Deen Dayal Upadhyaya College, Dwarka on January 16, 2019.

25. **Dr. Meghna Aggarwal** as an organizing committee member helped in organizing

- The ICSSR sponsored XX Annual International Conference on “Global Vision 2030: Challenges and Opportunities” at Deen Dayal Upadhyaya College, Dwarka on January 4-5, 2019.
- The National Seminar on *India Inc.: Quo Vadis? Governance-Performance-Impact* held at Deen Dayal Upadhyaya College, Dwarka on October 11, 2018.
- The Regional Seminar on *Financial Inclusion through Financial Education* at Deen Dayal Upadhyaya College, Dwarka on August 01, 2018.

26. **Dr. Manoj Saxena** as

- National Committee Member - 22nd International Symposium on *VLSI Design and Test (VDAT - 2018)*, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai, during June 28-30, 2018.
- Publicity Chair - 2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON) held in the The Pride Hotel, Kolkata, India during November 24-25, 2018 organized by IEEE EDS Kolkata Chapter.
- Advisory Committee Member - 6th International Conference on *Signal Processing and Integrated Networks (SPIN 2019)* by the Department of Electronics and Communication Engineering, ASET, Amity University, Sec-125, Noida, Delhi-NCR, India during 7 - 8 March 2019.
- Chaired technical session in one-day seminar on *Life and Works of Prof. M. N. Saha and Prof. S. N. Bose* organized by Department of Physics, Jaypee Institute of Information Technology, (Deemed University), A-10, Sector-62, Noida, UP on September 15, 2018.
- International Steering Committee Member – 2019 IEEE International Conference on *Modeling of System Circuits and Devices (MOS-AK India 2019)* organized by joint chapter of CAS/ED Societies IEEE Hyderabad Section, IIT Hyderabad during February 25-27, 2019.

27. **Dr. HP Roy** as convenor organized

- A two days National Workshop on *Indic Thought* at Deen Dayal Upadhyaya College, University of Delhi, on May 15-16, 2018.
- A one day National Seminar on *Lok Sabha Election, 2019*, at Deen Dayal Upadhyaya College, University of Delhi, on 26th March, 2019.

28. **Dr. Nitumoni Kakoti** as

- A member of the organizing committee helped in organizing the International Conference on *Centers of Educational Excellence and Sites of Knowledge in Early India up to 13<sup>th</sup> Century A.D: History, Dimensions and New Researches (CESKE-2018)* organised by the Department of History & Social Science, Deen Dayal Upadhyaya College, University of Delhi and Indira Gandhi National Center for the Arts, New Delhi on October 12-13, 2018.
- Coordinated a National Seminar on *Lok Sabha Election 2019* organized by the Department of Political Science, Deen Dayal Upadhyaya College, University of Delhi on March 26, 2019.

**29. Dr. Sujata Khatri** organized

- *Student Induction Program* for Computer Science Undergraduate students Deen Dayal Upadhyaya College, University of Delhi on September 15, 2018.
- *Mid-semester exams* for Computer Science Undergraduate students, Deen Dayal Upadhyaya College, University of Delhi on September 15, 2018.

**30. Dr. Rajan Gupta** organized

- A Seminar on *Open Government Data Platform – India* under Data Analytics Club, Deen Dayal Upadhyaya College on September 19, 2018.
- Workshop on *Data Analytics Using Python* under Data Analytics Club, Deen Dayal Upadhyaya College on March 6-7, 2019.

**31. Dr. Arpita Sharma** coordinated

- A five day FDP on *Data Science and Big data Analytics* by ICT Academy at Deen Dayal Upadhyaya College, Delhi, from March 6-10, 2018.
- A three week Add-On course on *Online retailing: An Industry Orientation for Undergraduates* from June 1-23, 2018.
- A one day Power Seminar on *Nurturing Young Graduates for Industry Readiness* by ICT Academy, Deen Dayal Upadhyaya College, Delhi on August 31, 2018.
- A one day Seminar on *Open Government Data Platform* under Data Analytics Club(DAC) on September 19, 2018.
- A three day technical workshop on *Python: Programming and its Application* at Deen Dayal Upadhyaya College from September 26-28, 2018.
- A two day technical workshop on *Data Analytics Using Python* by Data Analytics Club, Deen Dayal Upadhyaya College on March 6-7, 2019.

**32. Dr. Anuja Soni** co-coordinated

- The Add-on course on *Online Retailing: An Industry Orientation for Under-Graduate Students* during June 1-23, 2018.
- The Workshop on *Natural Language Processing using Python Programming* on February 13-14, 2019 organized by the Department of Computer Science.

**33. Dr. Anju Agrawal** coordinated the InterCollege Workshop on *FPGA Implementation using Verilog* conducted by Physics Department, Deen Dayal Upadhyaya College on March 16, 2019.**34. Dr. R. M. Bharadwaj** as convenor organized the International Conference on *Centres of Educational Excellence and Sites of Knowledge in Early India up to 13th Century A. D: History, Dimensions and New Researches* on October 12-13, 2018.**35. Ms. Vaishali Kapoor** as an organizing committee member helped in organizing the International Conference on *Centres of Educational Excellence and Sites of Knowledge in Early India up to 13th Century A. D: History, Dimensions and New Researches* on October 12-13, 2018.**36. Dr. Mahaveer Genwa** organized

- A three day Workshop on *Ionic Equilibrium through Experiments* from May 14-16, 2018.
- A Workshop on *Intellectual Property Rights (IPR)* at Deen Dayal Upadhyaya College, University of Delhi on August 28, 2018.
- Two Workshops on *Studying the Elevation of Boiling Point of Water* from March 27, 2019 to April 3, 2019.
- A Workshop on *Measurement of Light intensity of Various Places of College Building with the help of LUX Meter and its Applications* on April 3, 2019.

**37. Dr. Charu Kalra** as convenor organized a one day Workshop on *Recent Trends in Bioinformatics* at Deen Dayal Upadhyaya College, University of Delhi, under the aegis of DBT-Star College Scheme on January 31, 2018.

**38. Dr. Reeta Kumari** as an organizing committee member helped in organizing the *International Conference on Integrative Chemistry, Biology and Translational Medicine* at the Centre for Global Health, Hansraj College, University of Delhi, India and Loyola University, Chicago Stritch School of Medicine, USA on February 25-26, 2019.

**39. Dr. AK Singh** as

- Convenor in association with Aryabhata Science Forum (ASF) organized a Seminar on *Recent Advances in Atomic and Molecular Physics* on September 19, 2017.
- **Dr. AK Singh** jointly with DST Research Lab and Aryabhata Science Forum (ASF) organized a Seminar on Confined Quantum Mechanical System on February 20, 2019.

**40. Dr. Sandeep** as

- Treasurer helped in organizing an **FDP** on *Biostatistics - Theory & Practice* under DBT Star College Scheme from March 14 - 18, 2018.
- **Dr. Sandeep** as an organizing committee member helped in organizing the *Outreach Program* for class X students of Kendriya Vidyalaya, Sector-12, Dwarka from October 24-29, 2018.

## ACTIVITIES OF SUBJECT SOCIETIES/CLUBS

### ORIENTATION PROGRAM

**18<sup>th</sup>-19<sup>th</sup> July, 2018:** Orientation program for the year 2018-19 was organised by all the departments where the new students and their parents were apprised about the university course work, credit system, evaluation patterns and other relevant information pertaining to the students along with value systems and traditions of the college.

### FOUNDER'S DAY

Floral tributes were offered to Pt. Deen Dayal Upadhyaya Ji on 25th September, 2018. Pt Deen Dayal Ji was a profound philosopher, organiser par excellence and a leader who had maintained high standards of personal integrity.

This year His Excellency Professor Jagdish Mukhi, Lt. Governor of Assam graced the dais as the Chief Guest and Dr Satya Pal Singh, Minister of State for HRD (Govt. of India), was the Distinguished Guest on the occasion.

Shri Pravesh Sahib Singh Verma, Member of Parliament and Dr Nand Kishore Garg. Chancellor, Maharaja Agrasen University, Baddi, Himachal Pradesh were the Guests of Honour. The function was presided over by Professor Yogesh Tyagi, Vice-Chancellor, University of Delhi. The distinguished panel of guests also inaugurated the Girls and Boys hostels in the college on the same day.

### NORTH-EAST CELL & EK BHARAT SHRESHTHA BHARAT PROGRAM

**6<sup>th</sup> April 2018:** An Exhibition was organised to showcase the Handloom products and handicraft items of Sikkim in the foyer of the college auditorium.

## NORTH-EAST CELL

The cultural program included the famous Mask dance and Yak Cham dance of Sikkim followed by various competitions.

**15<sup>th</sup> February, 2019:** The first-ever North-east Festival in the college was organised in order to create a platform for the students and showcase the culture of the region. Dr. Somarendro Singh, Deputy Dean Student's Welfare, University of Delhi was the Chief Guest at the festival.

DHUL performance by Prachurjya Borgohain, a famous artist who has won many awards and is the National and State award winner for 4 consecutive years as the best DHULIA and best folk singer. Exhibition of posters depicting the places, culture and lifestyle of North Eastern states of India was also held throughout the day in the auditorium foyer. Photo Booth, art exhibition, inter-college folk dance and singing competitions were also organised.

Students from eight colleges participated in the folk singing competition. Participants from seven colleges actively competed for the art competition. Six College groups participated in the Group Folk dance competition. The popular daily Dainik Jagran covered the North East Festival-2019 and reported it the very next day.

The famous **Mask dance** and **Yak Chaam dance** of Sikkim were performed to showcase the culture of Sikkim. The Mask dance is associated with painted Masks, ritual swords, dazzling jewels and is performed with great energy. The Yak Cham dance is performed by the Bhutia community to honour the Yak as many families depend on the Yak for their survival at high altitudes.

**12<sup>th</sup> March 2019: Maruni dance** which is the oldest and most famous dance of Nepali community of Sikkim was performed by the students of the college at the valedictory function of the Science Fest of Deen Dayal Upadhyaya College **TURIYOJAS-2019**.

## SCIENCE FOUNDATION

**5<sup>th</sup>-6<sup>th</sup> April, 2018:** Five teams from the Department of Electronics participated in 'NConSI Headstart' 2018 at the National Conference on Scientific Innovation Headstart organised by St. Stephen's College, University of Delhi.

Poster presentations included,

- *"Hyperloop: The Fifth Mode of Transport"* by **Ankit Singh, Murari Thakur** and **Ravi**, B.Sc. (H) Electronics 2<sup>nd</sup> Year.
- *"IoT: Internet of Things"*, by **Sneha Arora, Raghunath Mishra** B.Sc. (H) Electronics 2<sup>nd</sup> Year.
- *"Algorithm for Maze Solving"* by **Praveen Kumar Chaturvedi**, B.Sc. (H) Electronics 2<sup>nd</sup> Year.
- *"Spybot and Autonomous Path Follower PROTOBOT"* by **Praveen Kumar Gond**, B.Sc. (H) Electronics 3<sup>rd</sup> Year.

**28<sup>th</sup> May– 15<sup>th</sup> June, 2018:** Science Foundation organized 15 days (90Hours) hands-on workshop on *"Trends for Algorithmic Experimentation and Prototyping"* under the aegis of DBT Star College Program (Electronics). It was an industry-oriented training program that covered basic as well as advance aspects through 44 Practicals, 23 Minor Projects and 5 Major Projects.

31 students from Deen Dayal Upadhyaya College (DU); Hansraj College (DU); Maharaja Agrasen College (DU) and Army Public School, Gorakhpur attended the workshop.

**14<sup>th</sup>-16<sup>th</sup> May, 2018:** 3-day workshop on *'Ionic Equilibrium through Experiment'*; an outreach activity for school students was organized by Department of Chemistry and Science Foundation of the College under the aegis of DBT Star College program. Twenty seven students of class XI<sup>th</sup>, Bal Bharti

Public School, Dwarka participated in the workshop. The workshop involved a transacting the concepts through learning by doing, the Discovery approach.

**24<sup>th</sup>-27<sup>th</sup> October, 2018:** School outreach program for Class X<sup>th</sup> students of Kendriya Vidyalaya Sector-12, Dwarka was organised. 170 students participated in the program which comprised practicals related to Physics, Electronics, Botany, Zoology, Chemistry and Mathematics.

**7<sup>th</sup>-8<sup>th</sup> March, 2019:** 2<sup>nd</sup> National Level Event based on Ethical Hacking was jointly organized with i3indya Technologies. 27 students from Deen dayal Upadhyaya college (DU); Rajdhani College (DU) and Sri Venkateshwara College (DU) participated in the competition.

**11<sup>th</sup>-12<sup>th</sup> March, 2019:** The concept of “**Science Festival**” was revived after a gap of 20 years and ‘तुरियोजस’ was organized by the Science Foundation in which students and faculty members of all the science departments participated.

यह नाम संस्कृत भाषा के 'तुरिया' और 'ओजस' शब्द को जोड़ कर लिखा गया है। 'तुरिया' का अर्थ है 'समाधि' (चेतना का उच्चतम स्तर) और 'ओजस' का अर्थ तन एवं मस्तिष्क की अहम ऊर्जा है।

- The Science Festival was organized under the aegis of DBT Star College Program and was financially supported by IEEE Electron Device Society Delhi Chapter and National Academy of Science India (NASI) -Delhi Chapter. Companies like Jaisbo, SILVACO, Cognitive Design technologies, AGMATEL, Keysight Technologies, Dewinter, Silicom Electronics Pvt. Ltd., Binary Semantics and i3Indya Technologies exhibited their products during the science exhibition.
- On March 11 2019, the opening remarks were given by Professor Ajoy Ghatak, Chairperson-NASI Delhi Chapter and the inaugural address was delivered Professor R K Kohli, FNA, FASc, FASc, FNAAS, JC Bose National Fellow, Vice-Chancellor, Central University of Punjab, Bathinda. On March 12, 2019, the keynote address was delivered by Dr. Amulya Kumar Panda, Director, National Institute of Immunology.
- 81 posters, projects and models were presented by over 160 participants from 22 different institutions like Punjabi University (Patiala); Bal Bharti Public School, (Dwarka) and Colleges of University of Delhi participated in various events organised during the festival. The list of competitions included Science quiz, debate, graffiti, and nukkad natak. A hands-on-workshop on “Bird Nest making for assisting the conservation of House Sparrow” and movie screening about the life of great Indian mathematician ‘Srinivasa Ramanujan’ were the highlight of the two-day event.
- On March 12, 2019, Keysight technologies conducted a workshop for advance learners on Keysight Dreamcatcher Kit ME1000 with Fieldfox. Binary Semantics conducted an FDP and a Quiz on STEM Education for the audience.
- A panel discussion on the topic “Science Communication” was organized, the speakers were Prof. Sreenivasa Rao Kottapalli, Head, Department of Botany, University of Delhi; Professor Vasudha Bhatnagar, Head, Department of Computer Science, University of Delhi and Professor Mridula Gupta, Department of Electronic Science, University of Delhi South Campus.
- Eight students of Class IX of Maxfort School, Dwarka and five students of Bal Bharati Public School visited the Science Exhibition and participated in various events. 20 students from NGO UPAY (Underprivileged Advancement by Youth) aged between 8-12 years visited the exhibition.
- The program culminated with a cultural program in which students performed traditional folk dance of North-Eastern states, guitar performance, performance of RAAGA (dance society of the college) and many more.
- On March 12, 2019, College and National Institute of Immunology (NII) signed an MoU to contribute to the National goal of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option. NII shall provide mentorship to student and teacher science projects and summer student/teacher internships.

## ROBOTICS CLUB

**3<sup>rd</sup> August, 2018:** The club commenced the academic session with an Orientation program. A detailed overview of the various activities of the club undertaken in the past was elucidated to the students. Real time projects useful for the society developed by the club members in the past years were also demonstrated at the event.

**17<sup>th</sup>-18<sup>th</sup> August, 2018:** A workshop on "Introduction to Arduino" was successfully conducted with hands on learning on AVR microcontrollers viz ATMEGA 16, ATMEGA 328, ATMEGA 2560.

**24<sup>th</sup> and 26<sup>th</sup>, September:** A two-day Firebird V Workshop was conducted for ATMEGA2560 microcontroller based Robotic Research Platform. The workshop began with the introduction of ATMEGA 2560, AVR studio, AVR Boot loader software. Different tasks were given to the students after completion of each topic which ensured that the students were getting a grasp of how to interface sensors and actuators with Firebird V.

**3<sup>rd</sup> October, 2018:** One-day training was imparted to the members of the society on 'Spark V', 'AVR ATMEGA16' microcontroller-based Robot Platform by Dr Anju Agarwal, Convener of the club.

**4<sup>th</sup> - 5<sup>th</sup> October, 2018:** Two-day workshop on Bluetooth Controlled Bot and Obstacle Avoidance Bot was conducted by Dr. Anju Agrawal for the college students. The Robo Carnival was organized with activities like Robo Racing, Robo Sumo, Robo Maze and Robo Soccer.

**28<sup>th</sup> - 29<sup>th</sup> January, 2019:** The second intercollege workshop on "Design and Development of Sensor guided and Bluetooth Controlled Bots" was organised in the college premises. The workshop was conducted by Dr. Anju Agrawal and Dr. Ravinder Kaur with the support of the team of students. About 40 Students from various colleges including Miranda House, Hindu College, Hansraj College and Department of Physics, North Campus participated in the workshop.

**5<sup>th</sup>-6<sup>th</sup> March, 2019:** "SPARK'19", the Annual Fest of the club witnessed overwhelming participation from various colleges and universities viz. JNU, NSUT, Amity University, IEC College of Engineering, Sant Longowal Engineering College, Sangrur etc. A wide array of competitions including Robo Race, Line Following competition, Robo Soccer, Robo Sumo, Project Presentation, and VR Gaming were held. The highlight of the fest was the Air Show where a drone fitted with a camera was flown around to capture the aerial video of the college campus.

## CAREER COUNSELLING AND PLACEMENT CELL

65 students were recruited by some of the leading companies like E&Y, Genpact, Libsys, Dyson, Profielity, TresVista, FIS Global through campus placement drives. More than 50 students secured internship with leading companies.

To hone the skills of the students, the college placement cell actively organized workshops, seminars and training sessions in collaboration with prominent organisations. Students also participated in various Job/Internship fairs organized at different other colleges of University of Delhi.

- **27<sup>th</sup> August, 2018:** An orientation programme was organised to familiarize the students with placement process.
- **19<sup>th</sup> Jan 2019:** A talk was organised on the theme "How do I plan my Career" by Ms. Tanmaya Goswami, CEO, ACE Solution.
- **1<sup>st</sup> Feb 2019:** A seminar was conducted by FintaQ, a skill development company, on the topic "Entrepreneurship Development".
- **18<sup>th</sup> Feb 2019:** A career counselling session on the topic "Start-up: A fad or trend setter?" was conducted by Ms. Philomena Joseph and Ms. Farheen Khan from St. Xavier, Bengaluru.

## ADD-ON COURSES

### FOREIGN LANGUAGE CENTRE

The college started Certificate courses in foreign language in its Dwarka campus in the session 2016-17 with two languages namely, Russian and French. This year the college enrolled students for certificate course in 4 foreign languages- French, German, Spanish and Russian.

In 2018-19, students of certificate course in French participated in Confluence 2019 jointly organised by GRS Department, University of Delhi, Institut Français India and Bureau du Québec in India on 28<sup>th</sup> February and 1<sup>st</sup> March, 2019. The two day program was held at Faculty of Arts, University of Delhi in order to celebrate the Francophonie and the love for French language.

### NCWEB CHAPTER

The college started its NCWEB chapter in July, 2017 and this year the student strength rose to 800 as the second batch joined in BA and B.Com. Dr Jayini Adhyapak is the in-charge of the NCWEB centre since its inception in the college. The classes are held on Saturdays and during academic breaks, this allows students to engage in activities besides academics. Students are encouraged to hone their soft skills with the help of organising and participating in co-curricular activities.

- **6<sup>th</sup> April, 2019:** One-day program funded by UNDP was organised on the Bridge to livelihood project, which is a skill training program for students. The team provides apprenticeship wherein students get opportunity to be engaged by a company as an apprentice and gain practical learning. It is a platform where one learns while earning as most companies provide good stipend too.
- **Rung 2019**, the annual cultural festival was organised to showcase the skills of the students in cultural as well as sports activities.

### EFFECTIVE COMMUNICATION AND PERSONALITY DEVELOPMENT THROUGH THEATRE (ECPDT)

The Department of English organized its annual personality development program; Effective Communication and Personality Development through Theatre (ECPDT) in collaboration with renowned theatre professionals. The course is inspired by, and seeks to implement UNICEF and WHO's internationally recognized vision of life skills based education.

**18<sup>th</sup> August, 2018 to 14<sup>th</sup> October, 2018:** The 100-hour program is organized during weekends and holidays. More than 35 students registered for the course and 29 students successfully completed the program and received certificates. Dr. Rohith P, Assistant Professor, Department of English served as the Convener of the course and Mr. Ajay Manchanda was the course director. The program culminated with the participants showcasing the talents and exhibiting the workshop activities during the course in front of an invited audience.

### VOICES- THE DEBATING SOCIETY

The 4<sup>th</sup> edition of Vitark- the Inter-College Annual Parliamentary Debate Tournament was held on 25<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> February 2019. The debate competition witnessed participation from more than 35 colleges across India. Kirori Mal College won the competition and Shaheed Sukhdev College of Business Studies came second. Saloni Singh of Gargi College was the best adjudicator. Samridh Jain from Shaheed Sukhdev College of Business Studies and Akansha Naithani from Lady Shri Ram College were joint second best Adjudicators.

The society conducts regular training sessions to cultivate the abilities of inquiry, decision-making and critical thinking amongst the students covering both Practice Debates as well as Case-preparation.



## POLAROID- THE PHOTOGRAPHY SOCIETY

Polaroid, the photography society of the College throughout the year 2018-2019, participated, organized and covered many events and competitions in the College as well as outside the College. Through our initiatives, we managed to collaborate with many reputable colleges of Delhi University like Jesus and Mary College and Keshav Mahavidhlaya and also with DU Express.

To provide the students of the society with practical exposure of natural photography, the society organized 'Photowalks', which helped the students to gain experience of capturing pictures in scenic beauty. These were organised at places such as Bhuli Bhatyari, Yamuna Bank, Red fort, Okhla bird Sanctuary, Humayun's tomb, Sunder nursery etc. Our students also participated in *Video Making Competition* at Jesus and Mary College, *Photography Competition* at BITS Pilani and *On-the-Spot Photography Competition* at IIT Delhi.

Also, the society covered many events held in the college, namely:

1. Commerce seminar, *India Inc.- Quo Vadis? Governance - Performance – Impact*,
2. *Vyaktitva* introductory video shoot,
3. *Srijanika*, the annual fest of Women Development Cell, DDUC,
4. *Sapientia*, the Annual Fest of North East Cell,
5. Fit Youth,
6. Secret of Success,
7. Blueprint, the Annual Fest of Equal Opportunity Cell,
8. All the events of Vivekananda Study Circle,
9. Robotics Fest
10. DigiTalks
11. Orientations of all Departments
12. All events of Kalamkaar, the literary society of DDUC,
13. Finanza, the Annual Fest of the finance society,
14. ECPDT, etc.

The society successfully conducted and covered an awareness drive on 'Sexual Consent' in collaboration with the Women Development Cell and Yavanika, the theatre society of the College.

## KALAMKAAR

Kalamkaar started its new session with an orientation program on 17 August, 2018 with the purpose of making the new students aware about the various wings of Kalamkaar such as creative writing, fine arts, marketing and graphics where they could showcase their talents and develop their skills.

The society also held a meeting to offer *Shradhanjali* in the form of poems to the great poet Late Shri Atal Bihari Vajpayee on 16<sup>th</sup> August, 2018. Kalamkaar celebrated Hindi Divas on 14<sup>th</sup> September, 2018 wherein a Quiz Competition was conducted on Hindi language followed by an open mic on the topic *Language and Literature*. On 22 September a visit to the *National Gallery of Modern Art and National Museum* was organized by the fine arts wing under its 'As We Travel Program'.

**AURORA'19**-The annual festival of the society witnessed many competitions such as *Rangrez*-painting competition, *Alfaz-e-Kalam* –Hindi poetry recitation, *Voice –O- Verse* - English Slam poetry with a large number of intercollege entries.

A Graphic Designing Workshop was held on 23 October, 2018 in collaboration with MAAC, Dwarka wherein graphic designers were given a chance to explore new technology like VFX and Adobe Photoshop.

Kalamkaar Literature Festival (KLF-19) was held on 22 January 2019. Dr. Avaniresh Awasthi, a renowned author was the keynote speaker for the Inaugural session. It was followed by a Panel

Discussion on “*Decency and Decorum of Language*” with Dr. Hemant Kukreti and Dr. Barun Mishra, renowned authors, Dr. Lalit, Department of English as panelists and Dr. Charu Kalra, convener Kalamkaar as the moderator. A session on John Elia by a young author and researcher Mr. Ankit Gautam was well received. It was culminated with gazals- *Fever Ki Mehfil* by 104.4 Radio Jockey, Mr. Rahul Maken.

Kalamkaar *Kavi* sammelan-2019 was held on 23 January 2019 in the College auditorium. Acclaimed poets, Mr. Gajendra Solanki, Mr. Vishnu Saxena, Ms. Poonam Varma, Dr. Jagbir Rathee, Zubair Ali Tabish enthralled the audience with their creations. Poetess and Convener of Kalamkaar, Dr. Charu Kalra and young poets of Kalamkaar Society viz. Amanat Ali Khan, Naman Srivastava, Bharti Sharma and Jugal Kishore also mesmerized everybody with their gazals and poems.

## SANGYAAN- THE QUIZ SOCIETY

SANGYAAN, the quiz society of the College organized the following events from July 2018 to February 2019:

1. Induction Quiz on 21<sup>st</sup> August 2018 for newly admitted students. About 50 students registered for this general quiz.
2. Quiz based on Pt. Deen Dayal Upadhyaya and Freedom Struggle of India on 28<sup>th</sup> Sep. 2018.
3. Intra-college SPENT Quiz, based on Sports and Entertainment on 31<sup>st</sup> October. 2018.
4. SANGYAAN, in collaboration with Finance Club of the College also organized the Inter college quiz competition ALLUSION in the month of February 2019. Over 60 teams participated in this competition.

The committee is also planning to organize the inter college general quiz in the month of April 2019.

## NSS- NATIONAL SERVICE SCHEME

The session began with NSS orientation wherein the structure of NSS was described to the new students by NSS President, Gunjan Ahuja and Vice President Vandna Patel. Ms. Prachi Kaushik from Vyomini Foundation graced the program and advised us to use organic sanitary pads.

- A mass awareness campaign was organized on World Environment Day where the volunteers went door to door spreading awareness about refuse, reuse and reduce plastic and to segregate waste focusing on "plastic pollution".
- The 4th international yoga day witnessed yoga performed by a large number of students, faculty and staff under an instructor from *Bhartiya Yoga Sansthan*. This was followed by Yoga week.
- On the 72nd Independence Day, a donation drive "Joy of Giving" was organized by the volunteers in Matiala slum area.
- The volunteers organized a cleanliness drive in the college premises under Swachhata Pakhwada with the motto "*Na Gandagi Karengi Na Karne Denge.*" They also performed a *nukkad natak* in the slum area to make people aware about the the benefits of a clean environment.
- On National Sports Day, the volunteers organized a sports event in the slum area, which included games like tug of war, lemon race, etc.
- National Nutrition Week was celebrated between 1<sup>st</sup> and 7<sup>th</sup> September 2018 in the slum where the slum dwellers were told about the role of nutrients, proper diet and were also sensitized about deficiency diseases.
- NSS DDUC conducted a visit to Gadholi old age home where volunteers sang and danced to bring smile on the faces of the elders.
- On 18<sup>th</sup> September, the volunteers organized a workshop on drug abuse in association with Rise Foundation to bring awareness amongst the youth regarding the harmful effects of alcohol and narcotics.

- Another street play with the theme "*Soch ek badlav ki*" was performed in the College and in the slum to break taboos on social issues of literacy, menstruation and cleanliness.
- On the occasion of NSS day, the volunteers organized a mega event 'Project Green Hearts' in collaboration with Fever 104 FM and RJ Rahul Makin. It was graced by Peepal Baba, the man who planted 20 million trees himself.
- Besides these activities, the regular activities included volunteers teaching the slum dwellers in Matiala region. The volunteers also engaged in gardening activity in the College.
- Voter registration drive was organized in collaboration with Chief Electoral Officer for inclusion of eligible young citizens in the voter list.
- Another mega event was the inaugural of Electoral Literacy Club in the presence of Vijay Dev, IAS; Chief Electoral Officer. A quiz, open mic and painting competitions were organized on this occasion.
- Unity and integrity pledge was taken by the volunteers on the National Unity Day and birth anniversary of Sardar Vallabhbhai Patel.
- Gifts were distributed to children residing in an orphanage on Christmas eve in association with the Grace Foundation.
- Another donation drive "Donate to Rejuvenate" was organized by NSS for the homeless people living on streets of Dwarka.
- NSS DDUC in collaboration with Indian Road Safety Campaign, Hindustan Times and Delhi traffic police organized '*Expressia*' which included an interactive session on road safety followed by various competitions.
- Republic Day was celebrated very warmly with special students of *Masoom Duniya*.
- NSS DDUC organized the Annual Blood Donation and Health Check- up Camp on 8<sup>th</sup> February. 68 units of blood were donated and 290 people got themselves checked free of cost.
- The volunteers also visited plantation field, *Sorkha Upvan* taken care by "Give Me Trees Foundation" which has more than 16000 saplings.
- NSS DDUC organized 'Books for Knowledge' a collection drive to establish a library at Government Girls Schools' in Uttarakhand. They also organized various inter-college competitions (Poster making, debate, nano-tale writing, Street Play, Snake & Ladder with election related questions and quiz) on Electoral Literacy.
- In the month of April, NSS plans to organise the Annual Cultural Festival: Pehal.

## **RAAGA- THE DANCE SOCIETY**

This year, the society organized several workshops in different genres of dance. The society began the year with an orientation programme. Flash mobs and jamming sessions were organized in regular intervals for creating a dance culture in and around the college.

## **RHAPSODY- THE MUSIC SOCIETY**

The society began the year with an Orientation program and induction of new members. The members of the society performed in college on several occasions such as Teacher's Day, Founder's Day, Commerce Annual Alumni Meet, Independence Day Celebration etc.

## **YAVANIKA- THE DRAMATICS CLUB**

The following events were organised by YAVANIKA in this session:

### ❖ Orientation Play

1. *'Tu koi aur hai'* is a skit self-written and directed by Yavanika. It focuses on Identity Crisis and seeks to encourage students to find and explore their own true self rather than lead a pretentious life.
2. *'The Park'* is a play adapted by Yavanika which was originally written by Manav Kaul of the same name. The play takes a light-hearted look at issues of space, ownership and territory that inevitably leads to questions of identity and belonging.

### ❖ Annual Production

1. *'Swar Vyanjan aur Manoranjan'* is a play directed by Ankur Bashar, adapted from George Bernard Shaw's *Pygmalion* that tells the story of a poor, young flower girl who has been disrespected and overlooked because of her appearance and the dialect she speaks in.
2. *'Kararnama'* is a street play that highlights the importance of consent. The aim of this street play is to enhance awareness of our rights and the significance of "having a say" in everything that binds our lives.
3. *'Sleuth'* is a play written by Anthony Shaffer and was translated, edited by Yavanika with the help of Snigdha Raj (BMS 1<sup>st</sup> year, DDUC).
4. *'Jaago re'* is a play performed by Yavanika under the direction of Preeti Chopra for promoting the responsibility of every citizen of the country to vote for the stability of our democracy.

Yavanika organized its annual theatre festival on World Theatre Day - 27th and 28th March 2019.

During the festival students from across the University participated in various events such the stage play competition - Prastuti'19: Rasakriti (face painting competition); Cinematic Dilemma (mock film production), I-spy (Mock CID); Quizzards of Oz (theatre quiz); *'Takkar'* (battle of the bands between musicians of street play).

The attractions of the fest also included a panel discussion, YouTubers Sakshi Sindhvani and Rajat Sharma, a theme performance mime act by Harmeet Singh, classical dance performance by Shilpa Sivadas and a magic show by Ishammudin Khan.

### SPIC MACAY

The inauguration ceremony was held on 21st August 2018 at 2:30pm in the auditorium of the College.

The program was followed by enlightening the students with the purpose and importance of SPIC MACAY by our guests. SPIC MACAY would be a platform for everyone to evolve themselves in various prospects of life. The program was weaved further by a flute performance by Ishaan Das, a student of the College.

The major event held by SPIC MACAY chapter of the College was *'Shaam ae Sukoon'*, the Qawwali event held on 9th October 2018 at 2:30pm in the College auditorium. The artists who performed was Hussain Nizami Brothers and their team.

### ECO CLUB

'ECO CLUB' has organized various academic and co-curricular activities during the academic session 2018-2019 to sensitize students towards various environmental issues.

At the beginning of the session eco club organised a 'SAVE WATER & SAVE ENERGY CAMPAIGN' in the college and the nearby societies in Dwarka. The campaign was very successful

and more than 100 students participated under the guidance of Convener and Eco-Club committee teachers. Residents of the societies interacted with the students and teachers during the campaign and were sensitized towards water and energy conservation.

At the advent of Diwali festival, 'ECO CLUB' organised a 'CLEAN DIWALI CAMPAIGN' on 1st November, 2018 in the college premises and nearby societies, to sensitize people regarding pollution caused by fire crackers during Diwali. About 70 students of the college participated in this awareness drive.

An intercollege 'OPEN MIC' and 'CROSS WORD' competition was organized on January 10, 2019. About 25 students from various colleges took part in the open mic and about 30 students in the Cross Word competition.

On 18 January, 2019 an inter college 'CREATIVE WRITING' and 'POSTER MAKING' competition was organized. In the creative writing competition 30 students from different colleges across Delhi participated and 25 students participated in the poster making competition.

On 26 March, 2019, ECOTSAVA'19 was organised successfully with various inter college competitions like debate, quiz, tambola, 'best out of waste', 'leaf painting' and an online photography competition. Valedictory lecture of the event was delivered by the Mr. Nagraj Adve, a renowned climate change activist and media person. He spoke on 'Climate Change: The Science, Impacts and Urgency' and more than 100 students attended the talk.

## **WDC- WOMEN DEVELOPMENT CELL**

In the session 2018-19, the Women Development Cell organized activities viz. workshops, documentary screenings, discussions, competitions aimed at spreading awareness about legal rights of women and the need and importance of women empowerment both at inter and intra- college level. The year witnessed a plethora of events under its aegis.

The Orientation Programme of the Cell was organised on 13th August, 2018 for the new batch. The activity began by introducing the society; its mission and vision. It was followed by making the members familiar with the plan for the session 2018-19. 200 students registered as members of the cell.

In collaboration with 'Feminism in India', a workshop on 'Combating Online Harassment' was organised on August 30, 2018. Japleen Pasricha, founder and editor-in-chief of FII conducted the workshop and elaborated on how to stay safe online and combat harassment.

An intercollege symposium on 'Reforming Minds, Redeeming Justice-Symposium 2.0' aimed at enlightening young minds regarding their legal rights and how to exercise them and redeeming justice. The event was attended by more than 400 students across colleges.

- Some of the eminent speakers who graced the occasion were:
  - Dr. Priyamvada Tomar (Medical Director & IVF Head of state-of-the-art Genesis Women's Clinic, co-convener for Beti Bachao Beti Padhao)
  - Ms Lakshmi Krishnan (President at Society for the promotion of Women and Child Welfare(SPOWAC))
  - Ms Mrinalini Khatri (Advocate, Member of Advisory Committee of Center for Educational Growth and Research)
  - Ms. Usha Kumari Joshi, Inspector in Delhi Police.
- Eminent speakers from Josh talks discussed about legal rights and shared their stories of struggle and empowerment. They also conducted activities focusing on domestic violence.

- A play in association with Unicorn Actors Studio: "Genuine Liars", directed by Junaid Kaifi focusing on consent, understanding and faith was staged.

In collaboration with 'Center for Social Research' and supported by Facebook, a workshop on 'Surfing Social Media' was organised on 14<sup>th</sup> January, 2019. It focused on online safety mechanisms devised to control the information shared by users in virtual space.

On 14<sup>th</sup> January, 2019 a special session by Ms. Charu Pragya, a lawyer with the distinction of being the first ever woman head of the National Legal Cell of the BJYM's Wing was also held. She had an informal conversation with students and appraised them about the legal framework in India.

On 21<sup>st</sup> January, 2019 an awareness drive on 'Consent' was organised in collaboration with the Photography and Theatre society of the college. A *nukkad natak* on the above theme was also organised.

Recognizing the importance of safety of girls, the college organizes a self-defense training program in association with Delhi Police every year. This year, the training workshop was held in the college campus between 4<sup>th</sup> February and 9<sup>th</sup> February 2019.

The Women Development Cell organized its Annual Fest Srijanika'19 on 13th February, 2019.

- Designer's Block- a Designing Competition wherein participants were given different topics on which they made digital posters.
- Let's get Quizzical-A mobile based quiz competition wherein questions were related to current issues and women achievers.
- Polemic-An extempore competition wherein participants were given different topics related to gender stereotypes to speak about.
- An Online creative writing competition- *Khoj- e-Alfaz* was also held on the theme 'Women displaying heroism and courage'.
- Expressions: Expression of self via an art form, wherein music, dance and fashion societies of different colleges participated in this competition.
- Funfair- Fun games and activities were organised to create awareness regarding gender issues in an informal way.

Apart from this, discussions and documentary screenings under the name *Vichar Vimarsh* and *Peshkash* were also organized on topics like Sexual Objectification, Adultery Law, Section 377, and 'Taking No' for an answer et al. periodically. The volunteers of the cell attended workshops and events of other gender forums like Feminism in India, AISEC, and Josh Talks.

## **FinS- THE FINANCE CLUB**

### **Knowledge Sharing Sessions**

The team of FinS organized a number of knowledge sharing sessions throughout the year.

These sessions covered an array of topics like understanding the technicalities of the stock markets, contemplating the reasons behind the failure of business giants like Lehman Brothers, the occurrence of economic bubbles like the Dot com bubble and the Tulip mania etc.

### **FINANZA'19 – Annual Finance Fiesta**

FinS, organised its annual finance fest on 19<sup>th</sup> February 2019. The inaugural ceremony began with the principal gracing the occasion in the auditorium.

Finzine-The club launched its first annual finance magazine Finzine. The main body of the magazine comprised of articles touching upon pertinent business and economic happenings, written by Fin-S members.

Events:

1. 2008 REWIND- Recreating History  
An event inspired by the financial crisis that shook the whole world. Participants had to prove their methodological decision-making skills and test their financial knowledge.
2. RISE OF AI (Live Trading Simulation) was a live trading platform which functioned on Artificial Intelligence.
3. ALLUSION - The Finance Quiz  
The Business and Finance quiz, which put the participants through the rigor of four cognitively-onerous rounds.
4. FIN CRICKET 3.0 was a gripping IPL auction competition.
5. SCREAM AND STREAM  
Scream and Stream involved building a business empire and maximizing your revenue. It involved guesstimates and bidding on an online platform.

## **The FinCup**

The College with the maximum points in all events combined was awarded the annual finance trophy, the Fin Cup, a trophy initiated for the first time in any Delhi University event. The Event witnessed a high footfall of students from leading Delhi University colleges like SRCC, Shaheed Sukhdev College of Commerce, Sri Guru Gobind Singh College of Commerce and other colleges across Delhi-NCR. Participants had an opportunity to be acquainted with the rudiments of stock markets and portfolio management where the sponsors like GuruQ, CIMA, LIC, NIC were in direct touch with the students.

## **E-FINANZA '19**

E-Finanza was held on 29<sup>th</sup> January 2019, served as a prelude to Finanza 2019. It consisted of three rounds:

1. Cryptomine: consisted of a preliminary and three higher-order rounds. Round 1 required the contestant to indulge in lateral thinking and connect-the-dots between four or more, seemingly unconnected images.  
Round 2 had the contestants attempting questions on game theory and rational choice theory. Finally, round 3 saw contestants taking part in a new-age mock stock, wherein, pieces of news and their effect had to be appropriately judged. This event saw a total of 57 team registrations.
2. Hedge Hammer; where the contestants had to prudently assign their capital amongst stocks, futures and more, so as to ascertain the most valuable portfolio. Hedge Hammer is the closest E-Finanza participants have come to being a portfolio manager.
3. BID Adieu: Consisting of two intensive bidding rounds and subsequent investments – participants had to keep in mind a myriad of factors while making their investment decisions. Participants had to essentially create their own virtual trading ecosystem, by selecting their unique terms of brokerage and bidding conditions. With a total footfall of 200+ students, the ambition of the organizing committee and Fin-S members was a success.

## **Career Counselling Session by Mr. Vikram Miglani**

FinS organised an interactive session on Career Opportunities in Finance on 31 October 2018. The session was taken by Mr. Vikram Miglani, an eminent chartered financial analyst and financial risk manager.

## MUN- MODEL UNITED NATIONS

On 12th February 2019 a one day visit of students and teachers was organised to the Parliament, with the aim to sensitize regarding the day to day functioning of the parliament. 80 students along with 9 faculty members formed a part of the contingent. The whole event was effectively coordinated by Dr. Monika Bansal, Mr. Vipin Kumar Meena and Mr. Nitin Luthra under the supervision of Dr. Hemchand Jain, Acting Principal of the College.

## KALRAV- THE ANNUAL CULTURAL FESTIVAL

KALRAV – the annual cultural festival of the college was held on 29<sup>th</sup> and 30<sup>th</sup> March, 2019. The festival witnessed large number of inter college participants in various competitions and events. Events like Western and Classical singing, Contemporary and Folk dance; Battle of Bands etc. were received with great enthusiasm by the students. The audience was also treated to a superb Bhangra performance. On the second day of the festival, famous Punjabi singer Guri enthralled the audience with his performance.

## SPORTS ACTIVITIES

The Intramural was organized in the form of Inter-Departmental Tournaments (Football), Inter-Class Tournament (Tennis-Ball Cricket) and Intra- College (Individual) Competitions (Badminton – men and women).

### **The Aerobic Gymnastic National Level Judges Course and Coaches Clinic 2019:**

The Aerobic Gymnastic National Level Judges Course and Coaches Clinic was held from 21 to 24 February 2019. It was organised by Sports committee in the college in association with FitYouth ANAC India. About 35 delegates from various states viz-a-viz Rajasthan, Delhi, Haryana, Uttar Pradesh, Jammu and Kashmir, Karnataka etc. participated in the Programme. The Aerobic Gymnastics National Level Judges Course and Coaches Clinic shaped the regional and National Aerobic Gymnastics Coaches, professionals and gymnasts through Knowledge exchange with key influencers.

## DEPARTMENT WISE ACTIVITY REPORTS

### DEPARTMENT OF BOTANY

#### SUBJECT SOCIETY- KALPAVRIKSHA

**28<sup>th</sup> August, 2018:** Inaugural Lecture by **Dr. Rajendra Gupta**, Retd. Associate Professor, Department of Botany, University of Delhi on the topic “The Conflict between Science and Religion” was organised. On the same day, Orientation program for the new batch was conducted and the results of intercollege online photography competition were declared. There was a vibrant dance performance “Panch-tatva” by the students.

**7<sup>th</sup> September, 2018:** “Rangkari” the pot painting competition in the Hanging Botanical Garden and plantation drive in the college premises was organised. Plantation drive event motivated students towards clean and green surroundings.

**18<sup>th</sup> September 2018:** Ozone Day was celebrated with a “Poster making competition” on the theme “Spectrum of nature”. The posters exhibited not only the creative aspect but also scientific temperament of the students. An Environment Quiz Competition titled – चर अचर जगत was also held on the same day.



**11<sup>th</sup> January, 2019:** Botanical inquisitiveness of the students was addressed by organizing an event on Plant Identification –Parakh, wherein students were supposed to identify common and Botanical names of plants growing in Delhi-NCR based on their morphological characteristics.

**20<sup>th</sup> and 21<sup>st</sup> February, 2019:** Annual festival ‘DELONIX’ exhibited different facets of environment and nature through a plethora of events spread over two days. Events comprised the botanical rangoli making competition; Ad-Mad competition; प्रकृते जिज्ञासा- the botanical quiz; Specimen Sketching- Trace art; and सृजनिका- the extempore. Another attraction of this festival was तर्क- वितरक-an inter college debate competition; on the topic “Is it justified to ban various products for the sake of Green Future”; for Pandit Deen Dayal Upadhyaya Rolling Shield. There was intercollege participation in large numbers. The valedictory lecture was delivered by Professor S.B. Babbar, Department of Botany, University of Delhi, on the topic “The origin, evolution and diversity of Plastids”. The day culminated with the Alumni meet- PRAHARSH, where alma mater of the department refreshed their memories of college days and also counselled the present students regarding the career options.

## ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME

**13<sup>th</sup> January, 2018:** One day workshop on Synthetic seed preparation was conducted for the students of B. Sc. (H) Botany Ist year. The theoretical and practical aspects of Synthetic seeds preparation were discussed. Dr. Rajkumari Sanayaima Devi, Dr. S. N. Tripathi and Dr. Sandeep Kumar were the resource persons for the workshop.

**14<sup>th</sup> April-18<sup>th</sup> April, 2018:** A five day Faculty Development Program was organized jointly by Department of Mathematics and Department of Botany. A total of 39 candidates participated in this program including teachers and research scholars from different colleges of University of Delhi and other universities like BHU, JNU, Kurukshetra University, GGSIPU, Sharda University, Lucknow University, National Institute of Immunology, DTU, Govt. College for Women – Haryana.

**13<sup>th</sup> April, 2018:** 80 students and 7 faculty members from B.Sc. (H) Botany and B.Sc. Life Sciences visited The Energy and Resources Institute (TERI), Gurugram.

**23<sup>rd</sup>-24<sup>th</sup> May, 2018:** Two-day workshop on Molecular Techniques for undergraduate students was organized. 20 students from B.Sc. (H) Botany Semester I participated in the workshop. Dr. Varnika Bhatia and Dr Sandeep Kumar were the resource persons.

**29<sup>th</sup> June-15<sup>th</sup> July, 2018:** A summer project on “Analysis of micro flora in polluted water of South-west and North-west Delhi” was undertaken by 8 students of B.Sc. (H) Botany II Year under the guidance of Dr. S.N. Tripathi, Dr. Sandeep Kumar and Dr. Rajkumari S. Devi.

**31<sup>st</sup> January, 2019:** The Hands-on experiment titled ‘To calculate Air Quality Index (AQI) of Dwarka and nearby area’ was conducted the ICT Centre. It was attended by 23 students of B.Sc. (H) Botany, Semester - II. Dr. Pramod Kumar conducted the sessions. Dr. Rajkumari S. Devi, Coordinator, Environmental Studies assisted in sessions.

**23<sup>rd</sup> February, 2019:** Experiment was conducted on ‘Bioinformatics: Theoretical aspects and hands-on’, at ICT centre. The workshop comprised 4 sessions, 2 each for theoretical aspects and hands-on training. A total of 31 students from B.Sc. (H) Botany and B.Sc. Life Sciences participated. Dr. Sandeep Kumar conducted the sessions. Dr. S.N. Tripathi and Dr. Rajkumari S. Devi assisted in the sessions.

In addition to the above, a vertical herbal terrace garden was established on the second floor to impart knowledge about medicinal plants to students.

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## DEPARTMENT OF CHEMISTRY

### SUBJECT SOCIETY- COVALENCE

**18<sup>th</sup> July, 2018:** The academic session 2018-19 started with an orientation programme in the department to apprise the students and their parents about the department, faculty and various activities of the department to be organised during the session.

**13<sup>th</sup> August, 2018:** First activity of the department was the elections of the office bearers of the chemical society "Covalence".

**14<sup>th</sup> September, 2018:** Interaction programme with the first year students of B.Sc. (H) Chemistry and B.Sc. (Physical Science) with chemistry was conducted to get the feedback about the college and department.

**9<sup>th</sup> October, 2018:** The paper reading and chemical dumb charade competitions were organised where the students presented papers on topics like shampoos, carbon emissions, solar cells, deforestation etc.

**February 23, 2019:** The department organized an industrial trip to Mother Dairy plant, Patparganj, New Delhi; to apprise the students about the milk collection, pasteurization, packaging and distribution in Delhi region. On the same day, students also visited the National Handicrafts Design Gallery and Earth Treasurers Museum, Baba Kharak Singh Marg, New Delhi.

**March 07, 2019:** The department organized a talk by Dr. Pramod K. Upadhyaya, Scientist VII, National Institute of Immunology, New Delhi. He delivered an enlightening lecture on the topic "*Beauties of the Heaven and Practicing Science*".

### ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME

**May 14<sup>th</sup>-16<sup>th</sup>, 2018:** The department conducted a 3-day outreach activity, "*Workshop on Ionic Equilibrium through Experiments*". Twenty-seven students of Class XI, Bal Bharti Public School, Sector-12, Dwarka participated in it. The workshop imparted skills such as weighing, making standard solution, titration and use of pH meter in laboratory.

**June 18<sup>th</sup>-July 17<sup>th</sup>, 2018:** A one-month summer project on the topic "*Energy Harvesting from Natural Dyes*" involving 7 students was conducted under the supervision of a faculty member Dr. Mahaveer. Students learnt various techniques including extraction of dyes, fabrication of solar cells and operating of UV-Visible spectrophotometer through this project.

**August 28, 2018:** The department conducted a "*Workshop on Intellectual Property Rights (IPR)*". 35 students of the college and 18 teachers from University of Delhi participated in it. The participants learnt about various aspects of IPR such as patent filing, trademarks, copyrights etc. through this workshop.

**September 20, 2018:** The chemical society "Covalence" organized an inaugural lecture delivered by Professor Ashok Kumar Bakhshi, Vice Chancellor, PDM University, Bahadurgarh, Haryana on the topic "How to excel in chemistry in 21<sup>st</sup> century: Some useful tips". It was attended by 200 students and various faculty members of the college.

**1<sup>st</sup> October, 2018:** The department conducted an additional practical in the chemistry research lab to synthesize Fe<sub>2</sub>O<sub>3</sub> nano-powder using solid state method. Several students from B.Sc. (H) Chemistry Semester V performed the experiment.

**29<sup>th</sup>-30<sup>th</sup> October, 2018:** Two-day lecture cum workshop on "Giving a Green Ethical Dimension to Chemistry" was held. The opening session was graced by the presence of the Dr. S. P. Bhutani, who is a retired Senior Reader, University of Delhi, and a renowned author and an eminent speaker. He spoke on the topic "Introduction to Green Chemistry: How to cope with organic molecules".

## DEPARTMENT OF COMMERCE

### SUBJECT SOCIETY- COMMUNITY

**19<sup>th</sup>-20<sup>th</sup> July, 2018:** Orientation program ‘Parichay’ provided a platform for the new students to interact with the senior batches. This helped them in a smooth transition to college life.

**1<sup>st</sup> August, 2018:** NSE organised a ‘Regional Investor Awareness Programme’ for the students of the department on the topic ‘Financial inclusion through financial education’. The interactive session was conducted by eminent speakers like Mr Suryakant Sharma, DGM, SEBI; Ms Renu Bhandari, Vice-President, NSE and Mr Sandeep Sindhi, Cluster Head, HDFC Mutual Funds.

**15<sup>th</sup> August, 2018:** Independence Day was celebrated with much fervour on the theme ‘What Freedom Means to Me’. The students put together a cultural act and shared their thoughts.

**5<sup>th</sup> September 2018:** ‘Guruvai Namah’, the annual Teacher’s Day celebration and ‘Shubhaarambh’, the departmental fresher was celebrated. Keeping up with the practice of felicitating the teacher’s teacher, Dr O P Gupta, Former Director IBS Gurgaon, Former Dean, Proctor and Head, Department of Financial Studies, UDSC was the chief guest for the event. The formal oath taking ceremony of the office bearers was organised on the same day along with the giving away of the titles of ‘Mr Fresher’ and ‘Ms Fresher’.

**11<sup>th</sup> October, 2018:** One day seminar on corporate governance, performance and impact titled ‘India Inc.: Quo Vadis?’ was organised in association with the ICSI. The seminar comprised three sessions. The keynote speaker was Dr Surajit Mazumdar, Professor, JNU. The seminar was also graced by speakers like Mr Rajiv Goel, Executive President, Havells Ltd.; Mr Deepak Malhotra, Associate Partner, IBM; Ms Aradhana Lal, VP, Sustainability issues, Lemon Tree Hotels, amongst other distinguished personalities.

**12<sup>th</sup> October 2018:** One day trip for the students and faculty was organised to Aravalli Orchards. It engaged the students and faculty in various sports activities that rejuvenated the participants.

**1<sup>st</sup> November 2018:** The students and faculty celebrated Diwali with the residents of Perna Niketan Sangh; home for physically disabled and unprivileged children under its outreach partnership program. A collection drive along with a cultural program was conducted under the banner ‘**Roshni Ki Dhun**’.

**16<sup>th</sup> January 2019:** *Vyaktitva*, the Personality Development Society organised a talk on the “*Role of Higher Education in Entrepreneurship*” by Mr Arun Sharma, founder and CEO of Mindworkz. He focused on the ever increasing emphasis on entrepreneurship and development, given the volatile, uncertain, complex and ambiguous (VUCA) environment that exists at present

**29<sup>th</sup> January, 2019:** *Vyaktitva*, the Personality Development Society hosted ‘Digi Talks’ where eminent personalities of the digital world like Digital Gandhi, Harshdeep Ahuja, RJ Sayema among many others interacted with the students.

**1<sup>st</sup> March, 2019:** To introduce pastry arts as a career option among the students, an industry visit was organised to Academy of Pastry Arts, Gurugram.

**8<sup>th</sup>-9<sup>th</sup> March, 2019:** The annual fest, *Zucitva* and Alumni Meet was organised. The two day event comprised a plethora of events ensuring an exhilarating experience for the participants. For the first time, the mock stock competition titled ‘Street Traders’ was conducted using the software developed by the students of commUnity. ‘Sarokaar’ the theatre competition was introduced for the first time on the theme social consciousness eliciting a great response. Great bonhomie was observed at the Alumni Meet of the department that was graced by more than 250 Alumni. The alumni joyfully participated in various activities and captured the special moments.

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## DEPARTMENT OF COMPUTER SCIENCE

### SUBJECT SOCIETY- SANGANIKA

**6<sup>th</sup> August, 2018:** Election for the office bearers of Sanganika was conducted.

**20<sup>th</sup> August, 2018:** Inaugural lecture was delivered by Dr. Somitra Kumar Sanadhya, Associate Professor, Department of Computer Science and Engineering, IIT Ropar, Punjab on the topic "Purchasing Software with Privacy". He explained the recent trends in the field of cryptography and mathematical foundations needed for the implementation of various ciphers.

**31<sup>st</sup> August, 2018:** Power seminar on "Nurturing Young Graduates for Industry Readiness" was organized in collaboration with ICT Academy. The speakers included Mr Ankit Dawar, Director, Indirect Taxes, PWC; Mr Pranav Bhatia, Founder & CEO, Stirring Minds; Mr Somorin Roy, CFO, Velix Id; Ms Reema Virdee, Business Development Head, Lyoness India Private Ltd. All the speakers urged the students to identify their passion while choosing a career, rather than getting influenced by the trends.

**15<sup>th</sup> September, 2018:** Induction programme "Aagman" was held for the students of Computer Science (H) and Physical Science (Computer Science). The event started with a general interaction session followed by some informational videos about computer science. The interaction between the students and some alumni of the department helped them to understand the present trends in IT industry.

**26<sup>th</sup> - 28<sup>th</sup> September, 2018:** Workshop on "Python Programming and its applications" was held for the students. A total of 40 students from various courses participated in the workshop. It was conducted by Dr. Arpita Sharma, Dr. Rajni Bala, Mr. Ankit Rajpal, and Ms. Preeti. The workshop comprised interactive sessions along with concurrent lab sessions for hands on practice. After the completion of all the sessions, an online quiz was conducted to test the skills acquired by the students.

**2<sup>nd</sup> November, 2018:** A team-building activity was organized by Mr. Sachin Joshi, trainer at Felicity Theatre for the students to overcome the stress due to studies, life style, peer pressure, etc. Various activities were conducted related to team building, anger management, stress management, and trust building.

**1<sup>st</sup> February, 2019:** Annual technical festival Tech-Marathon was inaugurated by Prof. Vinay Gupta, Dean, Examination, University of Delhi, and inspired the students. The event witnessed 800+ participants from 90+ colleges. There were 11 events with prizes worth Rs. 80,000 at stake. Major participation was received from NSUT, BCAS (DU), USICT (GGSIU), Hansraj College, Keshav Mahavidyalaya, Rajdhani College among many others. In addition to the above, an overnight coding contest named Code Benders on CodeChef platform which observed the international participation from countries like Ukraine, Peru, Italy, Iran, Greece, Bangladesh. Some of the participants were from prominent institutes like IIT Delhi, IIT Kanpur, IIT Kharagpur, IIT Bombay, IIT Madras, BITS Pilani, NSUT, DTU, Chennai Mathematical Institute, NIT Trichy, NIT Karnataka, etc.

**13<sup>th</sup>-14<sup>th</sup> February, 2019:** Two-day workshop on Natural Language Processing was organized for undergraduate students in the college premises. 53 students attended the two day workshop and the participants were from colleges: Ch. Brahm Prakash Govt. Engineering College (IPU), Keshav Mahavidyalaya (DU) and Deen dayal Upadhyaya College. On the first day of workshop, Dr. Shikha Mehta, Associate Professor, Jaypee Institute of Information Technology, Noida discussed with the fundamentals of NLP followed by various hands-on-sessions. The speaker for the second day was Dr. Parul Agarwal, Assistant Professor, Jaypee Institute of Information Technology; Noida. The workshop provided a platform to acquire conceptual understanding of the key constituents of Natural Language Processing and facilitate its implementation.

## STUDENT ACHIEVEMENTS

Ankush Khanna Bsc(H) Computer Science 3<sup>rd</sup> Year participated and performed well at the following events:

➤ **Google Code Jam 2018**

Reached till Quarter Finals: Rank 1161 out of 3680 participants (A total of 24584 participants competed out of which only 3680 qualified for the Quarter Final Round)

➤ **Facebook Hacker Cup 2018**

Reached till Quarter Finals: Rank 789 out of 1415 (A total of 8216 participants competed out of which only 1415 qualified for the Quarter Final Round)

➤ **Google Hash Code 2019** (28<sup>th</sup> February, 2019)

World Rank 2831 out of 6671 participants; India Rank 218 out of 956 participants

➤ **CodeChef**

Maximum Rating Achieved: 2010 (5 Star Programmer as on 14<sup>th</sup> February, 2019] Best World Rank in an International Rated Contest: 111 out of 5624 participants (Scoring 600 / 800 points)

➤ **CodeChef SnackDown 2019**

(Round 4) Pre Elimination Round: Rank 2478 out of 4784 participants

➤ **ACM ICPC 2018 - 2019 India Qualifiers**

Rank 1544 out of 3724 participants (Team Mates: Mohit Behl, Harsh Rai, Tarun Sharma, Bsc(H) Computer Science 3<sup>rd</sup> Year

Ankush also won prizes and accolades across events in the prominent competitions at various colleges:

- Sankalan 2019 (Department of Computer Science, University of Delhi)
- Sanganak Vimarsh 2019 (ARSD College, DU)
- Turington 2019 (Ramanujan College, DU)

## DEPARTMENT OF ENGLISH

### SUBJECT SOCIETY – ZEST

**19<sup>th</sup> July, 2018:** Induction ceremony to welcome the new batch of students was organised. The faculty members and students introduced themselves and elaborate upon the essential values of the department as well as the other details and prerequisites of the course. This was followed by a brief presentation on the course structure, departmental events and activities by the second and the third year students. The ceremony ended with an interactive session between the teachers, parents and students.

**20<sup>th</sup>- 21<sup>st</sup> August, 2018:** Two-day annual Gender Sensitization workshop for the newly admitted students was organised. The workshop was conducted by Ms. Priyanka, on behalf of NGO 'Breakthrough' that works to safeguard women's rights. With a short video on the life story of Salama Pathan, the students were engaged in various discussions related to domestic violence followed by different group activities. Thereafter, the difference between gender, sex and sexuality was explained through videos and discussions.

**27<sup>th</sup> August, 2018:** Annual student election for the posts of office bearers was conducted in a fair and harmonious spirit.

**31<sup>st</sup> August, 2018:** The annual ice-breaking session was held. The session started with warm up exercises. A lot of theatre activities were organised in order to inculcate the spirit of teamwork and to lay the foundation of trust among students.

**5<sup>th</sup> September, 2018:** The students celebrated Teachers' Day with several performances followed by popular songs and a Teachers' Day special screening of the movie *Freedom Writers*.

**28<sup>th</sup> September, 2018:** A book donation drive and student induction culmination was organised with the aim to encourage literacy and reading cultures in North-East India was in collaboration with the NGO, *Sarvahitey*. The event started with a presentation on the need and importance of promoting and reviving the reading culture among masses.

The department organised a lecture series to give students more nuanced perspectives on the texts in their curriculum. The department invited renowned academics from various academic institutions like Kirori Mal College and Hansraj College to share their expertise with students.

**13<sup>th</sup> February, 2019:** An art appreciation workshop was conducted by Dr. Gunjan Gupta. She introduced the students to basic facets of critiquing various art forms. She covered a wide range of visual art forms from Renaissance frescoes to Pop art installations.

**15<sup>th</sup>- 16<sup>th</sup> March, 2019:** ZEST, the literary society of the Department of English organized their annual literary festival, 'Who's Afraid of Ides of March'19'. The department holds its annual festival in the month of March to celebrate spring, fruition, and life.

The opening ceremony included a classical dance and music performances by the students. The latest edition of *Spectator*, the Literary Bulletin of the Department of English was then released by the Principal and faculty members. This year's *Spectator* celebrated multilingualism and diversity as students translated stories from 9 different Indian and international languages in English.

The Department hosted nine inter-college competitions that received participation from students of various colleges. On the second day, the annual Alumni meet was organised. The event commenced with Dr. Jayani Adhyapak's welcome note followed by the Principal's address. The alumni took the stage one-by-one to talk about their memories in the college, choice of careers and future endeavours.

The department also conducted its bi-annual lecture series inviting experts to talk about texts and periods prescribed in the curriculum. The department hosted talks by renowned academicians like Dr. Harriet Raghunathan (Jesus and Mary College), Dr. Nabanita Chakrabarty (Hansraj College) and Arnab Dasgupta (Hansraj College).

## DEPARTMENT OF ELECTRONICS

### SUBJECT SOCIETY – SILIZIUM

**6<sup>th</sup> August, 2019:** Inaugural lecture of the society was organised for the students. The highlight of the occasion was the lecture delivered by renowned academicians and researchers of international repute, like Prof. Avinashi Kapoor Head, Department of Electronic Science, UDSC who talked about the "Cutting Edge Research Areas in Electronics" and Prof. Vinay Gupta Professor, Department of Physics and Astrophysics, University of Delhi spoke about "Multifunctional Material for Electronic Devices".

**5<sup>th</sup> September, 2019:** Teacher's Day celebration was organised by the students with lots of fun games and activities. The highlight of this celebration was the token of love presented to the teachers by their students in the form of vivid picture collages.

**8<sup>th</sup> September, 2019:** Induction program was organized with a purpose to facilitate the new batch of students (2018-19) towards their acclimatization in the new environment and build bonds with fellow students and faculty members. A two hour session was given by ‘Dr. Padam Sharma, a consultant therapist and a renowned rehabilitation expert, on Ergonomics and Lifestyle titled “**Cave to the Date**’. The lecture was followed by an interactive session convener of SILIZIUM, Dr. Ravinder Kaur, who welcomed the freshers and motivated them to utilize the society platform being given to them for their accomplished personality development.

**28<sup>th</sup>-29<sup>th</sup> September, 2018:** Two-day workshop on ‘Eagle Tutorial and PCB Fabrication’ was organised. Prof. D.V.Gadre, Coordinator, Centre for Electronics Design and Technology, NSUT, was the coordinator and the key resource person for the workshop. It was attended by 57 students, of which, 22 students represented various other colleges of University of Delhi.

**6<sup>th</sup> October, 2018:** Industry interaction program was organized and the event was marked by the presence of our esteemed alumni. The first speaker was Mr. Ritesh Ralhan, Lead Engineer Packet Networking SW-Group, Ciena India, Gurgaon; followed by Mr. Vikas Sharma, Senior Principal PV Engineer, Cadence Design Systems, Noida. Mr. Rajat Kochhar, Senior Technical Leader, Ericsson India, and Mr. Shiv Sahni, Principal Security Consultant, Lucideus Technologies, New Delhi also interacted with the students. Mr. Abhilash, (batch of 2014) pursued his passion for photography and works as a photographer and cinematic videographer at National Geographic Expeditions, engaged in making much talked about documentaries.

**8<sup>th</sup>-9<sup>th</sup> March, 2019:** ‘URJASVA’, the annual festival of the society was organized. Prof. Manan Suri, Department of Electrical Engineering, IIT, Delhi was the Chief Guest and keynote speaker for the inaugural session. Prof. Suri, is one of the very few young scientists in the world to be honoured on two MIT Technology Review lists. The intercollege events included Quiz, project/model exhibition, circuit making, debate, online poster designing and scientific writing. The second day witnessed a visit from more than 20 alumni of the department. They shared their experiences with the students and students.

## ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME

**13<sup>th</sup>-15<sup>th</sup>, 2018:** Three-day workshop on ‘Cyber Security’ was organized at the ICT Centre of the college. The workshop was conducted by Mr. Vikas Sharma from Sunworks system, Col. Hemant Kumar Trivedi (Colonel from Signals) and Mr Nishant Sharma Free Software evangelist.

**3<sup>rd</sup>-6<sup>th</sup> October, 2018:** 5<sup>th</sup> Hands-on Workshop on ‘VHDL Programming & Digital Circuit Designing with Implementation on FPGA’ was organized in collaboration with CoreEL Technologies Pvt. Ltd. In all, 52 participants attended the workshop, out of which 39 were from other colleges of University of Delhi. 7 faculty members from other colleges also participated in the workshop.

**11<sup>th</sup>-12<sup>th</sup> October, 2018:** National Level Event IoT Challenge 2019 and two-days workshop on Internet of Things (IoT) was organized, it was attended by 152 students 22 different institutions.

**22<sup>nd</sup> February, 2019:** 5<sup>th</sup> workshop on ‘Recent Trends in Semiconductor Devices and Technology’ was organized on which was jointly organized with Science Foundation of the college. The speakers at the workshop included Dr. Meena Mishra, Scientist-G, (SSPL); Dr. D. S. Rawal, Scientist-G, (SSPL); Dr. Mamta Khaneja, Scientist-F, (SSPL) and Dr. Ravinder Pal, Scientist-G, (SSPL). Over 100 students and faculty members attended the workshop.

**23<sup>rd</sup>-24<sup>th</sup> February, 2019:** Two-day Hands-on-Training Workshop on ADS (Advance Design System) Tool was jointly organized with M/s AGMATEL and M/s Keysight Technologies. 18 research scholars, M. Sc. Electronics, M. Tech Students and faculty members from Department of Electronic Science (DU), Maharaja Agrasen College, Sri Venkateswara College, and SSPL participated in the workshop.

**26<sup>th</sup> February, 2019:** Technical lecture on “Driver Amplifier and Power Amplifier Design” was delivered by Dr. Umakant Goyal, Sc.-E, SSPL.

**17<sup>th</sup> March 2019:** Ashutosh Mishra, Praveen Kumar Chaturvedi, Abhishek Soni and Shivam Kumar Singh comprised two teams from B. Sc. (Hons) Electronics and represented the college for IoT Challenge 2019 bagged third prize from among 50 teams participating from all over the country. These students were selected for IoT Challenge 2019 which is an event based on IoT (Internet of Things) held at RADIANCE 2019, IIT Bombay. Their project was titled “Agritech”.

## DEPARTMENT OF HUMANITIES

### SUBJECT SOCIETY – ABHIVYAKTI

**15<sup>th</sup>-16<sup>th</sup> May, 2018:** The Department of Political Science organised a two day National workshop on *Indic Thought*. The Guest of Honour was Manniye J. Nand Kumar Ji, Rashtriya Sanyojak, Prajna Pravah. Prof. M. P. Singh delivered the key note address. It had five technical sessions and speakers from various universities graced the dais. Papers were presented on topics like “*Idea of Rashtra*”; “*Idea of Dharma*”; “*Idea of Rajya*” et al.

**14<sup>th</sup> September, 2018:** Department of Humanities organised Hindi Diwas, wherein Dr. Rameshwar Rai delivered a talk on the topic “हिन्दी: चुनौतियाँ और संभावनाएँ” which was followed by a Hindi essay writing competition. Later during the day, an Induction program was conducted for the students of BA first year in college auditorium. The teachers of the Department advised the students to judiciously utilise their time, resources and their energy in the course of next three years. Several ice-breaking activities were held and the fresh batch of students made the most of the opportunity to showcase their talents.

**12<sup>th</sup>-13<sup>th</sup> October, 2018:** Two-day International Conference on ‘*Centres of Educational Excellence and Sites of Knowledge in Early India: History, Dimensions and New Researches*’ was jointly organized by the department of History and Social Sciences of the college and Indira Gandhi National Centre for the Arts-IGNCA (Under Ministry of Culture, Govt. of India, New Delhi in the college premises.

The conference witnessed intense deliberations among a panel of distinguished speakers including Prof. Sachhidanand Joshi, Member-secretary, IGNCA; Prof. KTS Sarao, Head, Department of Buddhist Studies, University of Delhi; Prof. Pierre Sylvain Filliozat, former Professor of Sanskrit, University of Sarbonne, Paris; and Dr. Sushma Jatoo, IGNCA.

The conference proved to be a huge success with delegates from France, Combodia, Nepal and 7 Indian Universities and 6 government and private academic institutions. In all, 32 papers were read in the conference. A total of 37 lectures delivered during the two-day conference.

One of the highlights was a documentary on Sharda Peetha presented by a group from Kashmir with an exhortation to help the group in restoration of this Peetha which was an ancient seat of learning in Kashmir and which still commands respect from millions of people in India and Pakistan.

**25<sup>th</sup>-30<sup>th</sup> October 2018:** An educational trip to the world heritage sites of Nalanda, Rajgir and Bodhgaya was organized for the students of B.A (P), thirteen in number, having history as one of their main subjects. They visited the UNESCO world heritage site of Nalanda University ruins, Vishwa Shanti Stoop and Veluvana in Rajgir, and Gahalur village.

**13<sup>th</sup> February, 2019:** Department of Economics and Social Sciences conducted a seminar on the theme 'Indian Economy and Financial Markets'. The seminar aimed at introducing to students the mechanism of financial markets and its impact on Indian economy in general. The first session was conducted by Dr. Vani Vasakarla, Director, IITM. The second session was delivered by Mr. Vaibhav Mediratta, Training & Business consultant in the Education & Banking Financial Service sector. More than 150 students of Economics from various courses participated in the seminar.



## DEPARTMENT OF MANAGEMENT STUDIES

### SUBJECT SOCIETY – SPETTRO

The Batch of 2018-21 was welcomed in a zealous manner;

**19<sup>th</sup> July, 2018:** Teachers' interaction with students and their parents

**31<sup>st</sup> July, 2018:** One-day Student Induction Program for the new batch of 2021

**13<sup>th</sup> August, 2018:** Visit to the production plant of Yakult Danone India Ltd located at Rai Industrial area, Sonapat

**31<sup>st</sup> August, 2018 E Summit:** Six budding entrepreneurs (alumni of BBS/BMS) graced the dais and shared their experiences with the students. Prominent among them being Neeraj Sancheti, a student in the third batch of BBS (2009-2012); Co-founder and CEO of Kreativ Street; which is one of the fastest growing marketing agencies in the country at present.

**5<sup>th</sup> October, 2018 Social Internship Conclave 3.0:** This year 11 Delhi based NGOs including Deepalaya, YouWeCan, Smile foundation, Womenite, Little Umbrella, and Hope foundation, participated in the event to provide winter internships to the college students. 78 students were selected by the NGOs for their winter internships.

**10<sup>th</sup> October, 2018 AFFLUENCE' 18:** An intra-college event comprising 3 competitions was conducted to bring out the inherent entrepreneurial acumen and witnessed participation from students of various courses.

**16<sup>th</sup> October, 2018:** Annual Inter School Management Fiesta, Orizzonte'18 was organised in the college premises. The event covered all aspects of management like finance, marketing, interpersonal skills with an emphasis on communication and team building. The event witnessed participation of more than 600 students from 50 schools of Delhi and NCR. Inaugural session of Orizzonte'18 was graced by the presence of Prof. I.M Kapahy, Member, UGC and Mrs. Savita Drall, Deputy Director of Education of District South as guest of honor for the occasion. The inaugural session was followed by inter-School competitions like Debating, Business Quiz, Product Designing, Stalking the Stock and many more such events, highlighting some of the key areas and emerging possibilities in business and management.

**17<sup>th</sup> November, 2018:** One-day FDP on MOOCs (Massive Open Online Courses) was held on themes: changing Role of a Teacher, video content preparation and use of Moodle: a free MOOC platform. The resource person for the FDP was Prof. K. Srinivas, Head, ICT & Project Management Unit at National Institute of Educational Planning and Administration which is a deemed to be University under MHRD, Govt. of India.

**4<sup>th</sup>-5<sup>th</sup> January, 2019:** The Department of Management Studies collaborated with Delhi School of Planning and Research Studies, GGS Indraprastha University to conduct ICSSR sponsored XX<sup>th</sup> Annual International Conference on the theme: "Global Vision 2030: Challenges and Opportunities" at Deen Dayal Upadhyaya College, New Delhi. The topic for the international seminar session this year was "Sustainable Development 2030: The Road Ahead". There were 7 technical sessions, and over 80 research papers were presented during the two-day conference with many foreign delegates chairing the sessions.

**23<sup>rd</sup> January, 2019:** A workshop on live trading in secondary market was conducted in association with Bombay Stock Exchange. The interactive session was conducted by Mr Varun Gupta, Senior Manager at BSE where he demonstrated the working of the BSE portal and elucidated on how to read data related to a particular stock.

**5<sup>th</sup> March, 2019:** Entrepreneurship Development Cell of the department successfully organised its annual inter-college event 'Blueprint' 19. Around 150 students from 15 reputed colleges participated in the 3 competitions namely, Hero Bidz, Country Bingo and Biz Hunt.

**7<sup>th</sup> March, 2019:** The Drawdown Challenge was hosted in the college premises by Net Impact, Delhi chapter in collaboration with Social Responsibility Cell of the department. Drawdown Innovate is about generating original ideas that scale climate solutions through new ventures, using design thinking and business planning. Through a learning motivated environment, views were exchanged. Around 30 students from various colleges participated in the event.

**6<sup>th</sup> April, 2019:** The annual Alumni meet of the department was organised, in which 40 alumni from various batches were present. The event comprised alumni interaction, group dance and skit, and fun games for the alumni arranged by the current students. The alumni mentored the students with respect to seeking internships, career counselling among other things.

## TRAINING AND CAREER CELL

**August 2018:** Three training sessions on "Research and Data Analytics" for BMS Sem III students were conducted by Mr Vipin Meena, Convener, TCC.

**9<sup>th</sup> August, 2018:** Career Counselling session in association with Time Education Pvt. Limited was conducted by Mr. Anand Mohan De. The aim of the session was to hone the skills required for securing employment.

**17<sup>th</sup> September, 2018:** Workshop on "Banking Awareness and Career in Banking" was conducted by Ms. Moumita Datta, Deputy Manager (Durgapur Branch), State Bank of India; an executive member of All India Bank Officer's Association and a trainer in SBI Staff Academy.

**9<sup>th</sup> October, 2018:** Genpact Enterprise Risk Consulting (GERC) conducted campus recruitment; 9 students including 1 student of B.Com (H) were selected after the rigorous selection procedure comprising three rounds.

**27<sup>th</sup> November, 2018:** Ken Research which provides bespoke industry intelligence, equity research reports and business consulting services on gamut of sectors across the globe, conducted off campus recruitment for BMS students, 2 students bagged final placement.

**14<sup>th</sup> January, 2019:** MBATrek Private Limited conducted campus recruitment for 15 applicants from BMS. 1 student got selected.

**17<sup>th</sup> January, 2019:** TresVista provides highly skilled outsourcing support to financial services firms; it conducted off campus placement for BMS, 8 students secured placement.

## ALUMNI LECTURE SERIES

**14<sup>th</sup> January, 2019:** Ms Ashima Jain (Batch of 2013) is currently working with Flexing It, an HR tech start-up based in Delhi – as a Business Development and Operations Manager. Her previous job was secured through campus placement, with S&P Global for 3.5 years in the Private Equity & Venture Capital domain.

**21<sup>st</sup> February, 2019:** Mr Aman Jhingon (Batch of 2017) is currently working with McKinsey & Company, Gurugram as a Research Analyst. He focuses on corporate and investment banking with an emphasis on capital markets.

## GUEST LECTURES

**26<sup>th</sup> September, 2018:** A talk was organised on the topic, “What lies to be an effective Sales Person” by Ms. Monika Solanki, a seasoned professional with over 19 years of work experience in different industries like Pharma, Personal Care and FMCG.

**8<sup>th</sup> October, 2018:** A talk was organised on the topic, “Use of Derivatives in Managing Financial Risk”. The speaker Professor Alok Pandey is currently working with Lal Bahadur Shastri Institute of Management, New Delhi. Prof. Pandey highlighted the current scenario of derivative market in Indian context while explaining the different derivative products designed for hedging of financial risk.

**12<sup>th</sup> March, 2019:** Invited Talk by Ms Rumi Malik on the topic “ Career in Radio and broadcasting” was organised. Ms Rumi is a well-known radio personality with diverse interests like script writing, translation, theatre and spiritualism. She is currently associated with AIR FM Gold and Sahitya Academy. She pointed towards the immense growth in business of broadcasting including foray of private radio channels and the growth of the podcast business.

## DEPARTMENT OF MATHEMATICS

### SUBJECT SOCIETY - HARISH CHANDRA MATHEMATICAL SOCIETY

**16<sup>th</sup> and 17<sup>th</sup> March, 2018:** MATHRIX'18 Two-day fest comprised of many events and the huge participation of students made it a successful one. Besides various events, a cultural event program named Rangmanch was also organized for the first time. Dr. Anima Nagar, Associate Professor, IIT Delhi delivered a lecture on the topic "COLLATZ PROBLEM". The day concluded with Alumni meet where past students of the department were invited for an interactive session with their juniors and sharing their experiences.

**26<sup>th</sup> March, 2018:** Professor Geetha Venkataraman, Associate Professor, School of Liberal Studies(Mathematics), Ambedkar University Delhi on the topic "Application of Group Theory in Cryptography" to enhance the knowledge of students in mathematics and encourage them to pursue a career in research.

**31<sup>st</sup> August 2018:** Induction program was conducted for the first year students to highlight the importance of maintaining balance between studies and various activities of college life.

**5<sup>th</sup> September 2018:** Teacher’s day celebrations were organized by the students of the department to make it a memorable occasion for the teachers.

**7<sup>th</sup> September 2018:** Inaugural lecture of HCMS for 2018-19 was delivered by Dr. Sanjay Kumar on “How to think mathematically”. Later, the official fresher party was organised.

**9<sup>th</sup> November 2018:** Lecture by Prof. Gautam Bharali, IISc Bengaluru. He explained the “Brouwer’s Fixed Point Theorem from calculus in real line to geometry” with proof, its applications and consequences.

**1<sup>st</sup> February, 2019** One-day Under Graduate Research Seminar was organised. The aim of the seminar was to provide a platform to the students to present contemporary topics other than the ones included in their course. There were eight contestants who gave presentations of 15 minutes duration each. The topics comprised diverse areas of mathematics and were highly appreciated by the audience and the judges.

**24<sup>th</sup> February, 2019:** Invited talk by Mahan Mj, School of Mathematics, TIFR, Mumbai titled “What is hyperbolic geometry?” was organised. It was followed by an interaction with the speaker and prize distribution for Delhi region toppers in MMC (Madhav Mathematics Competition).

## ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME

**14<sup>th</sup> – 18<sup>th</sup> March, 2018:** Five-day FDP on Biostatistics: Theoretical and Practical Aspects was organized by Department of Mathematics and Department of Botany. Total 40 candidates participated in this program including teachers and research scholars from different universities.

**23<sup>rd</sup> April, 2018:** The department organised an educational visit to Biomathematics Lab for a workshop on Mathematical Biology in association with Biomathematics Forum, Department of Biophysics and Department of Mathematics, UDSC. 34 students along with 4 teaching staff attended the workshop. It comprised of lectures and hands on tutorials on MATLAB.

**12<sup>th</sup> -13<sup>th</sup> July, 2018:** Two-day workshop on Mathematica/Excel/Tora was conducted. The inaugural talk was delivered by Prof. Subhendu Ghosh, Head, Dept. of Biophysics, UDSC. There were 22 participants in the workshop.

**17<sup>th</sup>-22<sup>nd</sup> September, 2018:** The department of Mathematics along with department of Electronics organised a five day workshop on Numerical Methods and its Applications in various Allied Fields of Sciences with MATHEMATICA. Students from different colleges - Miranda House, Motilal Nehru College, Ramanujan College, Kalindi College, Maitreyi College, ARSD College and DDUC participated in the workshop.

**22-23<sup>rd</sup> February, 2019:** Mini Symposium in mathematics was organised with an objective to bring the experts from different areas of mathematics on a common platform. The main speakers were Prof. Arvind Ayer from IISc, Bengaluru; Prof. Mahan Mj from TIFR, Mumbai; Prof. Suresh Chandra from IIT Delhi; Prof. Shanta Laishram from ISI, Delhi.

**1<sup>st</sup> February 2019:** An invited talk titled “Congruence relation and its Applications” was delivered by Dr. Rashmi Verma, Department of Mathematics, Mata Sundri College for Women, DU. In her talk, she discussed about congruence relation, its various properties and applications in coding theory and cryptography.

**21<sup>st</sup>, 28<sup>th</sup> February, and 7<sup>th</sup> March 2019:** Workshops on “Tora” was organised for B. Sc. Physical Science students. These workshops were conducted to encourage the students of program courses for improving their knowledge to solve different linear programming problems using the software Tora.

**6<sup>th</sup> March and 8<sup>th</sup> March, 2019:** Workshops on “Numerical Methods with MATHEMATICA” for B.Sc (MS) students was organised to encourage them to solve problems using MATHEMATICA which is a modern technical computing tool used in many scientific and engineering fields.

## DEPARTMENT OF OPERATIONS RESEARCH

### SUBJECT SOCIETY- OPTIZONE

**3<sup>rd</sup> August, 2018:** The society collected a small amount of money with the collective efforts of the students of B.Sc. Mathematical Sciences which was handed over to the Mr. Anil Kumar Verma, President-Blind Person Association, for the hostel project for blind girls. Being visually impaired, he has set on a mission of rescuing and helping visually impaired girls.

**13<sup>th</sup> August, 2018:** Orientation program was graced by the presence of Mr Kamlesh, who has more than 25 years of experience of working with the most innovative MNCs and start-ups around the globe. He explained to the students in great detail, about the various functions and departments in a business, how to make right career choices and be successful, role and scope of the subjects they are studying in securing employment, among other things.

**28<sup>th</sup> September, 2018:** A workshop on 'Block chain - It's implementation and applications in Industries' was conducted by Mr. Raghav Goel, who has previously worked in Wipro Technologies as founding member of Block chain Research Labs and is currently working for Block chain Innovation Lab as a co-founder and technical director.

**6<sup>th</sup>-7<sup>th</sup> March, 2019:** Two day Workshop on "Data Analytics Using Python" and Hackathon in association with Data Analytics Club was organised.

## DEPARTMENT OF PHYSICS

### SUBJECT SOCIETY – ARYABHATTA SCIENCE FORUM

**31<sup>st</sup> August, 2018:** The inaugural lecture of the society was delivered by Dr. Rajendra S. Dhaka on the topic "Role of electrons in materials technology".

**5<sup>th</sup> September, 2018:** Teacher's day celebrations were organised by the students in order to appreciate the hard work and thank the selfless efforts of the teachers.

**10<sup>th</sup> October, 2018:** Professor V K Tripathi, IIT Delhi delivered a lecture on the topic 'Science and Freedom'. He emphasized on how science can be used to ensure human freedom and peace.

**12<sup>th</sup> October, 2018:** A talk was organised on the topic 'Building Blocks of the Universe' by Dr. Anshul Kapoor, Ph.D. scholar at IISER Pune. He spoke about the universe and the matter which comprises it.

**29<sup>th</sup> October, 2018:** A visit was organised for the students to the Inter University Accelerator Centre (IUAC). Students got a glimpse of facilities like the National array of neutron detectors, general purpose scattering chamber along with some portions of the huge pelletron accelerator.

**21<sup>st</sup> February, 2019:** AAVEG 2K19, the annual department festival was organised. Competitions at the event comprised online digital poster designing; painting; intelligent designs for environment and science; debate; quiz and gaming.

**16<sup>th</sup> March, 2019:** A workshop on "FPGA implementation using Verilog" was held in the college premises. It aimed at familiarising students with the use of Verilog in designing various circuits. Prof. D.V. Gadre, Electronics department, NSUT was the resource person for the event.

## DEPARTMENT OF ZOOLOGY

### SUBJECT SOCIETY - SYNAPSES

**18<sup>th</sup> July, 2018:** Orientation program for fresh batch of students was organized to apprise them with the scope and opportunities in Zoology and various activities of the department organised throughout the year.

**9<sup>th</sup> August, 2018:** Fresher's welcome was organised for the new comers.

**5<sup>th</sup> September, 2018:** Teacher-Student Day was celebrated by the students of B.Sc (Hons.), Zoology to felicitate their teachers.

**7<sup>th</sup> March, 2019:** Mentoring Session with alumni **Ms. Priyanka Sawhney** was organized with the students of B.Sc (H) Zoology.

**Student Lecture Series:** Students of B.Sc (H) Zoology presented lectures on topics like, "Arboreality in Vipers"; "Pelican Spiders: The Brutal Ninjas"; "Attack of Zombie Parasites" and "Dental ontogeny in extinct Synapsida: A Complex history to mammalian tooth attachment system" during the year.

## ACTIVITIES CONDUCTED UNDER DBT STAR COLLEGE SCHEME

**13<sup>th</sup>-14<sup>th</sup> June, 2018:** Workshop on “Immuno-techniques based on Antigen-Antibody (Ag-Ab) interactions” was organized (Conveners – Dr. Anita Gulati & Dr. Renu Solanki).

**10<sup>th</sup> August, 2018:** Inaugural lecture of Synapses was organized on “*Caenorhabditis elegans*: An Elegant Model System to Unravel Mysteries in Biology” by Dr. Arnab Mukhopadhyay, Staff Scientist, National Institute of Immunology (NII), New Delhi. 78 students and 11 faculty members from different departments attended the session.

**28<sup>th</sup> August-1<sup>st</sup> September, 2018:** Five days hands-on workshop on “Basic Principles of Recombinant DNA Technology & Metagenomics” was organized under the convenorship of Dr. Shailly Anand and Dr. Renu Solanki.

**29<sup>th</sup> August, 2018:** A lecture was organized on “Microbiome: The Vision for future” by Prof. Rup Lal, Molecular Biology Laboratory, Department of Zoology, University of Delhi.

**27<sup>th</sup> September, 2018:** An Institutional Visit was organized to Institute of Genomics & Integrative Biology (IGIB, Mathura Road Campus) during “Open Day” (Outreach Activity) by Dr. Sudhir Verma along with faculty members of Department of Botany.

**13<sup>th</sup>-16<sup>th</sup> October, 2018:** Bani School Innovation Camp III (BaSIC III), an Outreach Program was organized at Govt. Senior Secondary School, Bani, Hamirpur, Himachal Pradesh in association with Indian National Science Academy (INSA) outreach activity "Lectures by INSA Fellows/Young scientists/teacher awardees to young students and teachers of schools and colleges in the remote/rural areas", Department of Zoology, University of Delhi and Ramjas College, University of Delhi. (Chief Coordinator: Prof. Rup Lal, BaSIC III Coordinators: Dr. Shailly Anand of DDUC and Dr. Sukanya Lal of Ramjas College, Co-coordinator: Dr. Sudhir Verma).

**24-29<sup>th</sup> October, 2018:** Four Day Outreach Program for Class X students of Kendriya Vidyalaya, Sector – 12, Dwarka was organized jointly by Department of Zoology, Chemistry, Botany, Mathematics, Physics and Electronics under the aegis of NASI-Delhi Chapter, Science Foundation and DBT Star College Program. (Program Coordinator: Dr. Manoj Saxena, Convenor, Zoology: Dr. Sudhir Verma and Co- Convenor, Zoology: Dr. Shailly Anand).

**14<sup>th</sup> February, 2019:** A technical lecture on “Watching birds – A short introduction on how to document avifauna” by Ms. Misha Bansal, State Coordinator, Delhi-NCR, GBBC-2019 Project Fellow, Centre for Ecology Development and Research was organized. (Event Convenor: Dr. Sudhir Verma)

**15<sup>th</sup> February, 2019:** A Campus Bird Count was organized (Event Convenor: Dr. Sudhir Verma)

**26<sup>th</sup> February, 2019:** A lecture on “Introduction to Bio-entrepreneurship and Bio-incubators” by Dr. Suman Gupta, Chief Operations Officer, Bioincubator, Regional Centre for Biotechnology, NCR Biotech Science Cluster, Faridabad was held. (Event Convenor: Dr. Sudhir Verma)

**26<sup>th</sup> February, 2019:** Wildlife Talk on “Birds of Delhi, behavior and conservation: A step to connect students with nature” by Mr. Kaustubh Srikanth, Programme Officer- Eco Trails, WWF-India was organized. (Event Convenor: Dr. Sudhir Verma)