

Best Practices

DRAMATICS SOCIETY: RANGAYAN

The Dramatics Society of ARSD College 'Rangayan' continues to enthrall audiences with its splendid performances while creating awareness on important socio-political issues. The session began with the Nukkad Natak performance of Jan Gan Man on Founder's Day, 3 August 2017. The session started with holding of auditions of students for Rangayan and thereafter an orientation programme for freshers was organised on 17 August 2017. The chief guest on this occasion was Professor Devendra Raj Ankur, former director, National School of Drama and Dr Jaidev Taneja, an eminent theatre critic accompanied by the Principal, Dr G.K Jha and convener Ms Swati. The programme acquainted the freshers with the wonderful journey of Rangayan and the alumni students present encouraged our students to shed their inhibition, discover their talents and face life with utmost confidence.

The Dramatics Society organized seven day theatre workshop on acting skills for its students from 22-08-2017 to 29-08-2017 which was conducted by Professor Devendra Raj Ankur, Former Director NSD. About 70 students participated enthusiastically in the workshop and learnt the nuances of various aspects of theatre. He guided the students on how they can begin their journey into the field of theatre and the hard work and dedication required for the same. Dr V.K.Arora, Bursar ARSD College joined in the concluding ceremony and congratulated all students on successful completion of workshop. Certificates to all the participants were distributed.

On 20 September 2017 our students performed a Street play on ' Swachh Bharat, Swasth Bharat ' in the Festival, Vimal Pravah, Meghdoot III, Sangeet Natak Akademi, Rabindra Bhavan. The performance was highly appreciated by everyone present and a memento was presented to the college in appreciation of the same.

Abhinay solo acting competition for freshers was organized on 25 August 2017. 45 students of first year participated enthusiastically and enacted various scenes related to social issues like dowry, acid attack, child sexual abuse, racism, Hindu-Muslim riots, historic characters of rani Laxmibai, Meerabai, Mangal Pandey. The first prize was bagged by Aman Saraf (B.Sc. Honors), second position by Kritika Singh (B.Com Programme) and the third position was shared by Vikas Rai (B.Sc.Honours) and Tanya Kalra (B.Com Programme).

The three day theatre festival "Rangsheersh Jaidev Theatre Natya Utsav' in honour of Dr Jaidev Taneja, the initial inspiration and founding member of the society was held on 6th and 7th February 2018 at Sri Ram Centre, Mandi House and on 8th February 2018 in the College campus. The month long production oriented workshop under the guidance of Professor Devendra Raj Ankur and Mr Shyam Kumar began on 26th December 2017. On the first day of

the festival, 6 february 2018 'Mrichkatik' a classical Sanskrit drama with a political sub-plot written by Sudraka and adapted by Mohan Rakesh was performed by alumni students of Rangayan, which was directed by Professor Devender Raj Ankur and Mrs Meeta Mishra. The chief guests for the event were Mr Mohan Mahirshi, renowned theatre person, Dr Dinesh Singh, ex- vice chancellor Delhi University and Mr Pawan Jaggi, Member College Governing body.

On the second day, 'Bichchu' written by Moliere, directed by Shyam Kumar and Himmat Singh Negi was performed by the college students. The chief guests on the occasion were Mr Diwan Singh Bajeli, writer and theatre critic and Mr Banwaari Taneja.

On the last day of the festival finals of the inter-college street play competition was held. The preliminary round took place on 1 february 2018. Twelve teams out of 45 teams qualified for the final round. The judges for the event were, Mr. Maneesh Minoja, a renowned theatre activist, Mr Sheokesh Mishra, Senior Assistant Editor of India Today and Mr Sangam Pandey, journalist and theatre enthusiast. The first position was secured by Navrang, the dramatics society of Institute of Home Economics, the second position by Sri Ram College of Commerce and third by Hansraj College. The huge participation in the event was evident of the popularity of the festival and the judges were greatly influenced with the various issues and social problems portrayed by the dramatics societies of various colleges.

This year Rangayan came up with production of three stage plays 'Dussman', 'Wasiyat' and 'Marnoprant' and one Street play 'Surname' which received good review. The students staged the play "Dussman" at Antaragini 2017, the annual culture fest of IIT Kanpur. The play written by Daya Prakash Sinha is a comedy of errors satirizing human error. The play 'Wasiyat' was staged at 'Natsamrat Natya Utsav 2018' and 'Sahitya Kala Parishad 2018'. This play written by Bhagwati Charan Verma is based on the present day scenario of the society where money matters over family members. The play received good reviews all over. The play 'Marnoprant' was staged at National Theatre Festival 2018 organised by Rashtriya Kala Manch. Rangayan participated in the stage and street play competition organized by Sahitya Kala Parishad by performing 'Wasiyat'(stage play) and ' Surname'(Street play). With hard work and dedication both the performances cleared the preliminary round and performed at the event.

The street play 'Surname' participated in various competition and bagged a number of prizes along with best actor awards, best music, best script, special mention and special appreciation. The play makes one acknowledge our father to be the wonderful man he truly is, and see him as a dad again. The play 'Surname' bagged FIRST POSITION at World University of design, Kalindi college, IIITD, Delhi Institute of Advanced Studies and Ambedkar Institute of Advanced Communication Technology and research. Rangayan received SECOND POSITION at Daulat Ram college, Vivekananda College, BITS Pilani, Bhaskaracharya College of Applied Sciences and Zakir Hussain College and bagged THIRD POSITION at St.Stephens college. The play was also performed at Kalagrit-The essence of Indian art, Saitan Theatre festival and Theatre Olympics at National School of Drama. Apart from participating in competitions at festivals of various colleges Ranagyan also gave many public performances in places like Nehru

Nagar, Hauz Khas, Khan market, Faculty of arts etc. The play was appreciated and applauded by the audience in colleges like BVIMR, Institute of home economics, Daulat Ram college, Delhi college of arts and commerce, Indian Institute of law and management, Shaheed Rajguru college, Ramanujan College, St. Stephens college, Jamia Millia Islamia, University college of medical sciences to name a few. The play got best music award at New Delhi Institute of Management, best Script at Institute of home Economics and special appreciation by Ms. Shilpi Marwah at International Management Institute.





BEST PRACTICES: UNDERGRADUATE RESEARCH AND INNOVATION

Atma Ram Sanatan Dharma College
 University of Delhi
 NIRF Rank 5 in Colleges Category
 Accredited Grade 'A' by NAAC
STAR College Scheme
 (Department of Biotechnology, GoI)



Website: <http://arsdstar.wixsite.com/starcollege>

A Brief Report

Chemistry, Physics, Biology and Mathematics are the four departments of the College that are being funded by the Department of Biotechnology, GOI, under the opportunity of the Star College Scheme. The Scheme enables faculty training, better curriculum initiatives and places special emphasis on the practical training of students who can succeed via access to specialized infrastructure and consumables. Visits and interaction programmes with institutes and universities outside Delhi are held and the students interested to be a part of this Scheme can register on the Star College Scheme website for regular updates.

The DBT Science Centre has also been established under the Scheme and equipped with various instruments of Chemistry, Physics and Biology. For better training and research work, laptops and printers are available with the latest software configuration in place. In-house research projects are being run by teachers and students giving training and hands-on research experience to undergraduate students. E-learning study materials and extended practicals are regularly conducted to impart extensive knowledge to students.

List of programmes held under the schemes in the year 2017-2018:

1. Movie Screening on Quantum Chemistry, 31 July 2017:

A talk along with a movie screening on the topic of Quantum Chemistry was held so as to increase the interest of students in the field and make learning fun. 80 students and 6 faculty members participated in the programme.

2. Faculty Development programme on Multifunctional Materials for Energy Harvesting and Allied Devices, 10 November 2017:

Department of Physics and Star college Scheme jointly organized a one-day Faculty Development Programme on Multifunctional Materials for Energy Harvesting. Eminent professors and scientists from the University of Delhi and National Physical Laboratory discussed the problems of energy crises and presented their on-going research work in the fields of energy harvesters to deal with these crises. More than 80 faculty members and research scholars attended the workshop. Prof. Vinay Gupta (Dean of Examinations, University of Delhi) delivered the keynote lecture on Nanostructures and thin film technology for energy harvesting applications. This was followed by Dr. Monika Tomar (University of Delhi) and Dr. Ashok Kumar (National Physical Laboratory, Delhi).

3. **Workshop on glassware apparatus, 8 January 2018:** A workshop on glassware apparatus was held in association with Borosil Glass work Ltd. Mr Uma Shankar Verma, Head of Education Department, Borosil glasswork, was the speaker of the workshop. He discussed the chemical aspects of manufacturing glass. One of the major highlights of the workshop was a hands-on display of usage and handling of some common laboratory glassware apparatus. He also addressed the students and the faculty regarding fake borosilicate glass and identification techniques. 150 students and 30 faculty members participated in the workshop.



4. **Movie Screening on Molecular Modelling, 8 January 2018:** Documentary screening and a discussion on the process of molecular modelling in conventional Chemistry was held to create awareness in students regarding molecular modelling and make learning interesting. 80 students and 10 faculty members attended the screening.
5. **Workshop on Molecular Modelling and Drug Designing, 23 January 2018:**
A one-day workshop on Molecular Modelling was organised by the Department of Chemistry along with the Star College Scheme. It included an interactive workshop and

hands-on software training on molecular modelling considering the DSE-Molecular Modelling and drug design. 40 faculty members of ARSD College as well as other DU colleges and 80 students attended the workshop. The first session was chaired by Prof. Rita Kakkar, Department of Chemistry, University of Delhi. The students had a proactive learning experience through a hands-on software training session later on.



6. Talk on Biodiversity in North East Region of India, 24 January 2018 :

The Departments of Botany and Zoology organised a talk on Biodiversity of North East Region of India on 24 January 2018. The talk was focused on the flora and fauna of North East India. The North East is naturally and culturally diverse and is a biodiversity hotspot along the Indo-Myanmar border. It houses 70% of the world's orchids. Many more interesting facts were discussed in the talk.

7. Outreach programme, 29 January 2018: An outreach programme for school students was organized on 29 January 2018. 60 students from Government School, Rajouri Garden, New Delhi visited the College. There were four specific interactive academic sessions for students conducted individually by the faculty of Chemistry, Mathematics, Physics and

Botany. The school students were familiarised with experimental methods of Chemistry and Physics. There were given a new perspective on Biotechnology and Advanced Sciences. Fun with mathematics and number games were the highlight of the day.



8. **Excursion to Yakult Factory, 31 January 2018:**

A one-day visit was organised to give students industrial exposure and familiarise them with industrial techniques (89 students, 6 teachers). The students interacted with the staff of Yakult. The biochemical aspects of manufacturing Yakult (probiotic drink) commercially available in the Indian market were explained to the participants. The factory, comprising of seed unit, culture and mixing area as well packaging setup was integrated into a single segment. A few quality control and assessment methods were also explained to the participants. After the in-house tour, the scientific staff of the factory interacted with the students and enlightened the students regarding the origin of Yakult, its philosophy and need in current times.



9. **Faculty development programme on emerging trends in mathematics, 1 February 2018:** The seminar society (Department of Mathematics) and the Star College Scheme joined hands to conduct a one-day faculty development programme on emerging trends in Mathematics. 80 faculty members of ARSD College as well as other University colleges attended the programme. The eminent speakers included Dr. Vivek Kumar Agarwal, DTU, Dr. Jagdish Bansal, South Asian University, Dr. Manoj Diwakar, JNU and Dr Mansaf Alam, JMI.

10. **Tangentia'18:** Quaternion, the Mathematics Society of ARSD College organised its Annual festival Tangentia on 1-2 February 2018. There were 5 events—Shoot the Word, CricBid, picture mania, Sword of Gryffindor and Logic Master. The events required the application of logical reasoning and economic and marketing skills. It was a boost to the Mathematical Society and for the upcoming mathematicians of the College. Overall, the fest saw huge participation and massive crowds in all the events.



11. Excursion to Mother Dairy Fruits and Vegetables Pvt. Ltd. Factory unit, 8 February

2018: 49 students and 4 teachers visited the Mother Dairy plant located in Laxmi Nagar, New Delhi. the main aim of the trip was to impart knowledge to the students about the method of processing milk into various commercially available milk varieties and products. It was an opportunity for the student to grasp some household techniques to check adulteration in milk.



12. Women for Science—Science for Women, One Day Conference, 9 February 2018:

Vijnana Bharati, ARSD College (STAR Scheme), University of Delhi and Jawaharlal Nehru University, New Delhi, stood in solidarity with the theme and decided to celebrate the day with a series of events and lectures dedicated to role of women and girls in sciences.

The first event in this series was a one-day conference for Women and Girls in Science. The conference was focused specifically on the development of knowledge of women in the field of science and entrepreneurship. This conference was held to celebrate the International Day for Women in Science. Many rarely talked about issues were discussed. The conference marked the launch of a month-long programme to celebrate the International Day for Women and Girls in Science which included a two-day health camp in various colleges of the University of Delhi and culminated in the celebration of International Women's Day on 8 March.

The audience were privileged to have amongst them, eminent speakers and personalities who have all excelled in their own fields. The event was chaired by Shri A. Jayakumar,



Secretary General, Vijnana Bharati, Dr. Rama Jayasundar, AIIMS, Dr. Bindu Dey, Secretary, Technology Development Board and Miss Laxmi Menon, Entrepreneur. Other prominent speakers included Prof. Vibha Tandon (JNU), Dr. Sangeeta Nagar, TIFAC and Ms. Tripti Shinghal Somani, Founder – Stem ED, CEO (KGS Advisors).

The programme saw cultural performances at the end including a musical and an intense stage play named *Nari-shakti* that compelled the audience to reconsider the status of women in India.



- 13. Comprehensive Vitamin-D assessment and Blood haemoglobin test for women and girls, 22 & 23 February 2018:** As part of a month-long programme, a two-day health check-up camp was organised in collaboration with Doctor Lal Path Labs and PSRI Hospital, New Delhi. The health camp was held with support from Vijnana Bharati and JNU. The second day of the camp concentrated on personal medication and consultation based on the reports as well as on the spot blood pressure, blood sugar and BMI analysis. One of the highlights of the two-day camp was interaction of women faculty and girl students with Dr. Rahul Manchanda (Gynae Endoscopic Surgeon, PSRI Hospital, New Delhi). This interaction helped women understand the importance of vitals like personal hygiene, self-management during menstruation, cancer and other women health issues. (Participants: 175 students, 50 teachers)



14. **One-day workshop on Archival Sciences, 20 February 2018:** The Star College team collaborated with the Department of History, ARSD College to organize a one-day workshop on Archival Sciences. The speakers Mr. Rajmani Shrivastava, Retd. Assistant Director of Archives, National Archives of India enlightened the students about the origin of archiving and the social aspects of archiving. Later, Dr. Sutapa Chakraborty shared an interactive session regarding scientific aspects and techniques used in creating and managing the Archives. (Participants: 80 students, 20 teachers)

15. **ChemCrown, 16-17 March 2018:** The Chemistry Society of ARSD College organised a two-day inter-college Chemistry festival, ChemCrown with the Star College as interim sponsor. There were seven events filled with both knowledge and fun using Chemistry. The first day featured three events—CricBid, a photography competition and Best out of Waste; the second day featured events such as Quiz, PctureMania, AdChem and ChemBola. These events emphasised the fun aspects of Chemistry along with enabling a learning experience. Addressing the students during the valedictory function, Dr. Rajeev Singh, Department of Chemistry, ARSD College, highlighted the fact that participation in such events builds personalities and guides one towards deciding what kind of a person one will become. Overall, the fest was a huge success. 300 students from the College, 60 students from other colleges, and 30 faculty members participated.



INNOVATION PROJECTS DETAILS

S.No.	Name of Principal/ Co-Investigator	Title of the Project	Name of Funding Agency	Grant (Rs.)
1.	Dr. Rajeev Singh, Dr. Neeta Azad , Mr. Kapil Kumar ARSD-302	“Building a Future for Water: Cost effective Alternative Plan to YAP and GAP, Remedial and recovery”	University of Delhi	5 Lakhs
2.	Dr. Suman Dudeja, Mr. Bachan Meena Dr. Rakesh Malik ARSD:IP-307	“Synthesis of Nanostructured materials and their interaction with biological systems for nanomedicine and medical nanorobotics”	University of Delhi	5 Lakhs