

Report of activities / Projects under the aegis of
Rashtriya Uchcharat Shiksha Abhiyaan (RUSA)
2018-19

Workshop on Research Methodology
Conducted by the Department of Public Administration
17th August, 2018



The Public Administration department of Mehr Chand Mahajan DAV College for Women organised a 1 day workshop on Research Methodology. Sponsored by Rashtriya Uchcharat Shiksha Abhiyaan (RUSA), the resource person for the workshop was Prof. Divya Sharma, Division of Justice and Law Administration, Western Connecticut University, USA. Over 35 students participated in the workshop. Spread over 3 sessions, the workshop provided an insight into various facets of research in an exhaustive manner. Prof. Sharma elucidated the types of social sciences research, data types, sampling, qualitative and quantitative research, data analysis and presentation, report writing and conference presentation and most importantly, the concept of ethics and authenticity in research. She also discussed about the practical applicability of research in terms of policy implications.

Workshop on Basics of Research Methodology with particular reference to SPSS
Conducted by the Department of Economics
5th October, 2018

RUSA has contributed immensely to the growth of the institution, both in terms of staff upgradation and infrastructure. Preparatory and Infrastructure Grants received under this mission have transformed the spectrum of higher learning.



New tools of pedagogy with emphasis on ICT, skill-

oriented sessions with students, have contributed to creating more stimulating academic ambience in the college. More advanced teaching-learning resources, better laboratories and upgraded infrastructure have, surely, contributed to the over-all growth of our institution.

Capacity Building programmes organised for the students under the aegis of RUSA have brought about a positive change in the system and have also reinforced a strong sense of motivation and team-spirit and have facilitated a rich academic ambience in the institution.

The Postgraduate Department of Economics at Mehr Chand Mahajan DAV College for Women organised a workshop on 'Basics of Research Methodology' here today. Held under the aegis of Rashtriya Uchcharitar Shiksha Abhiyan (RUSA), the resource person for the workshop was Dr. Tejinderpal Singh, Associate Professor, UBS, PU. During this highly informative workshop, Dr. Singh shed light on the nuances of research methodology including research design, sampling, data analysis using SPSS and data presentation. The expert elucidated the concepts related to research with the help of relevant examples for effective understanding, making the workshop extremely beneficial. Participants along with the faculty members expressed deep gratitude to the resource person for sharing his valuable guidance.

Workshop and Hands on Training of Web Development with Word Press
Conducted by the Department of Computer Science and Applications
6th October, 2018



The Department of Computer Science and Applications organised a Rashtriya Uchcharat Shiksha Abhiyan (RUSA) sponsored workshop on '**Content Management System: WordPress**'. The objective of the workshop was to create an understanding among the participants about WordPress as a platform for content management and web publishing and also to help them grasp the practical aspects of this platform. Ms. Jyoti

Sharma, Deputy Director, National Institute of Electronics and Information Technology, Chandigarh conducted this highly informative workshop that witnessed enthusiastic participation of 68 students. The workshop was followed by an interactive session wherein the participants put forth their queries that were suitably answered by the expert. At the culmination of the workshop, certificates were awarded to the participants.



Workshop on Power Sector Sustainability
Conducted by the Department of Physics
22nd and 23rd October, 2018



Mehr Chand Mahajan DAV College for Women held a Rashtriya Uchcharat Shiksha Abhiyan (RUSA) sponsored 2 day workshop on 'Power Sector Sustainability'. A joint endeavour of Department of Zoology and Department of Physics of the college, the workshop aimed to sensitise participants

about the current challenges faced by the power sector and to deliberate upon reforms to chart a sustainable future.

On the inaugural day, Dr. Tarlochan Kaur, Chairperson, Centre for Energy Studies, PEC delivered a talk on Power Sector Sustainability and Mr. Sanjeev Verma, Head-Technical, Multi Overseas India Pvt. Ltd. gave a demonstration of solar panels. During first session of day 2, Dr. Tarlochan spoke about energy crisis and importance of renewable sources of energy in her talk titled 'Recent Trends in Renewable Energy for Power Generation'. She highlighted that despite a huge potential in India for renewable energy production, integration of this energy into power sector is comparatively low because of factors like resource availability, technological appropriateness, environmental feasibility, institutional preparedness, socio-cultural acceptability and financial viability. Dr. Kaur asserted that technological innovation, mass awareness and skill development programmes are of essence in increasing renewable energy acceptance in India. Session 2 witnessed highly informative talks on 'Demand Response using MATLAB platform' by Ms. Sachpreet Kaur, PEC and on 'Smart Grid Technology' by Dr. Tarlochan Kaur. Interactive session that ensued the talks drew enthusiastic response from the participants wherein they shared innovative ideas. Workshop like this sensitize the students about the energy crises the world faces today.

One day practical training programme at CDTI, Chandigarh
Conducted by Department of Police Administration
20th November 2018



One day practical training programme was organised for the students of Police Administration at the Central Detective Training Institution (CDTI), Chandigarh on for giving first hand experience to the students regarding Police Procedure and techniques in crime investigation.

The lectures given by Sh. Rakesh Chauhan, DSP motivated the students for joining Police Department to serve the society. Students were very enthusiastic during different training sessions. A practical and comprehensive training was given by Dr. L.S. Rana on investigation of various crime scenes like Murder, Rape and Accident. Knowledge on Narcotic drugs and Substances was highly appreciable. Students took keen interest in all the techniques adopted to investigate these types of crimes.



Workshop Series on Sustainable Urban Farming
Conducted by Skill Development Committee
23rd October 2018, 21st November 2018 and 27th February 2019



The Workshop Series on Sustainable Urban Farming was started with Mr. Rahul Sharma as the resource person. Apart from theory on what and why of organic farming, the enrolled students learnt to make soil beds, sow seeds and understand the nutrients and predators of plants. **Three workshops were sponsored by RUSA** for organic farming. Fruit trees were also purchased and planted at various places in the college- imli, anar, lichi ,aadoo among others. A variety of summer and vegetables were grown - Lady Fingers, Swiss Chard, Kale Carrots , Radishes, Brocoli, Palak , Onion, Lettuce, Karelia, Lauki, Hari Tori. The year also saw girls learning to grow Micro Greens, Makka, Bajra , and Lobia Beans. In November 2018, Ms Ashreen , a young farmer dwelt on challenges she faced since her decision to become farmer. The session also marked the beginning of organic farming near the hostel blocks.



Skill Enhancement Computational Mathematics Workshop on MATLAB
Conducted by the Department of Mathematics
1st and 2nd November, 2018



The Postgraduate Department of Mathematics at Mehr Chand Mahajan DAV College for Women organized a 2-day skill enhancement workshop on Computational Mathematics Workshop on MATLAB. Sponsored by Rashtriya Uchchar Shiksha Abhiyan (RUSA), the workshop had Prof. Gurmeet Kaur Bakshi, Chairperson, Department of Mathematics, PU as the Chief Guest for inaugural session. The workshop was conducted by Dr. Anuj Sharma, Assistant Professor, Department of Computer Science and Applications, PU and witnessed enthusiastic participation of over 80 students. During the two days of highly informative sessions on MATLAB, Dr. Anuj apprised the participants of the multidisciplinary applicability of the software, its basics, and user-defined functions. A MATLAB test was also organized after the workshop in which Pooja (M.Sc.II) stood 1st, Oshin (M.Sc.II) came 2nd and Pragati (M.Sc.II) won the 3rd prize. Prof. S.K. Tomar, Department of Mathematics, PU presided over the valedictory session and gave away certificates to the participants and winners.



Workshop on “Success in the Institutional Framework” 4th January, 2019



The Mehr Chand Mahajan DAV College for Women organized two Workshops on “Success in the Institutional Framework” under the aegis of RUSA for the Admn and support staff.



More than 120 support staff members of various colleges of tricity attended the workshops. Dr Dalip Kumar, Additional State Project Director (RUSA), Chandigarh inaugurated the highly motivating and informative workshops and lauded the efforts of MCM RUSA Team for conducting these

programmes. He highlighted the importance of ethics at work.

Prof. Suresh K Chaddha from University Business School, Panjab University apprised the participants of the need for team work, motivation and ethics at work. Through very interactive games and activities Prof Chaddha highlighted the importance of value based system aimed at the optimum use of human resource.



Workshop on “Financial Management” for Support Staff 4th January, 2019



A workshop on “Financial Management” was organized under the aegis of RUSA for the Group D employees of the college Mrs. Simmi G Singh, Branch Manager, SBI at MCM DAV Campus, Mr. Ravinder Walia, Deputy Manager, Mr. Manish Kumar, Relationship Manager from SBI General and



Mr. Harinder Singh Siddhu, Business Development Manager from SBI, Chandigarh gave detailed presentation of Banking and Insurance. In two interactive sessions, they informed the participants about various options available for financial management through banking and insurance and answered the queries of the enthusiastic participants.

**Workshop on “Water Colour Painting”
Conducted by Department of Fine Arts
5th March, 2019**



The Fine Arts Department at Mehr Chand Mahajan DAV College for Women organised a Rashtriya Uchhatar Shiksha Abhiyan (RUSA) sponsored workshop on Water colour Painting. Sh. Bheem Malhotra, Chairperson, Lalit Kala Akademi, Chandigarh conducted this workshop that aimed to hone the skills of the budding



artists of the department in the art of painting with water colours. Besides briefing the participants about the techniques of painting with water colours, Sh.Malhotra gave an insightful demonstration that helped participants grasp the nuances of the water colour medium.

**Infrastructural upgradation under the aegis of RUSA
2018-19
New Construction : A Step towards Swachh Bharat**



RUSA Infrastructure Grant of Rs 1.5 Cr has facilitated the infrastructural growth of the institution. In view of the rising student enrolment in the past few years, there was a dire need to add to the existing number of washrooms and support units in the college. Timely release of the RUSA Infrastructure Grant helped us undertake the construction of 27 new washrooms, including three washrooms, exclusively for Divyang users. Two projects were undertaken to meet the requirements of the students and staff.

- Construction of 15 New Washrooms in Block D (Ground Floor) was completed this year. This block comprised Four washrooms for the female faculty and 10 for the students. One washroom was constructed to accommodate Divyang users.
- Another project i.e. construction of 12 New Washrooms in Block D (First and Second Floors) under the aegis of RUSA was completed. As the college has a ramp and a lift to facilitate the unhindered movement of Divyang stakeholders, one washroom on each floor was constructed to enable the differently-abled users.

Renovation and Refurbishment

Renovation and refurbishment of the existing resources was aimed at bringing about qualitative changes so as to meet the changing needs of the stakeholders and the society at large.

Sustainable Growth through Rainwater Harvesting System



With the growth in population and changes in our climate, we all need to be more responsible when it comes to how much water we use. **Rainwater harvesting** is now being reinvented for many new buildings with the robust guidelines for sustainable living. Our institution is committed to sustainable growth and protection of the ecosystem. Therefore, a Rainwater Harvesting System was duly installed to channelise the rainwater accumulation in four blocks of the college hostel. Construction of RWHS, RCC Tank cum Injection Well, drilling of the Tubewell up to depth of 100M BGL and construction of Rainwater Chamber along with main chambers was completed to replenish the ground water.

Water Boosting System in A & B Blocks of the college Hostel



In order to meet the needs of the hostel students, a Water Boosting System has been installed in A & B Blocks. An Underground Water Reservoir of 10000 gallon capacity has been constructed with RCC Walls of 9 inches thickness, doubly reinforced. 3 Horse Power single phase submersible motor pump, having 32mm dia suction has been



installed for boosting up the level of water with the help of 750 ft distribution pipe. This system under the aegis of RUSA has proved to be a valuable addition as the students do not face water scarcity even when the Water supply in the city is low. The institution's vision of providing 'Quality education in quality ambience' stands reiterated as the stakeholders have expressed huge appreciation for this initiative.

Renovation of Chemistry Laboratory

Renovation of the Chemistry Laboratory , initiated under the aegis of RUSA has been completed. Apart from the RCC work, Gas pipes and work stations for students with the latest equipment were installed for smooth functioning.



Renovation of Washrooms

Renovation of the Staff- washrooms in College campus (Block D) has been completed out of RUSA Infrastructure Grant. The existing structure was altered considerably in order to cater to the increased number of support staff members.



Equipment and Knowledge Resources

The funding provided by RUSA has given impetus to the infrastructural improvement of the institution so as to attain higher levels of access, equity and excellence. It has further accelerated not only efficiency but also exponential advancement in classroom teaching.

In our pursuit for excellence, consistent strides have been taken to update our resources:

- Large Format Display was installed in the Conference Room.
- Computers were procured out of RUSA Grant for setting up a Digital Lounge in the hostel.
- More Computers were procured for smooth functioning of the academic and administrative work.
- Interactive Boards as Pedagogical Aids to facilitate teaching-learning environment.

