

DEPARTMENT OF BIOTECHNOLOGY (Session 2025-26)

ANNUAL ACTIVITY REPORT

- **State Level Online Short Video Making Competition:** The Department of Biotechnology organized a State Level Online Short Video Making Competition on the topic 'Atoms to Applications-The Journey of Nanoscience' in the month of, Oct.-Nov., 2025 for undergraduate and post graduate students. Entries were received from different colleges of the state. The state level competition was a digital, creative initiative for engaging students across state. Such events leverage the reach of digital media to foster practical learning, awareness and technical skill development.

The results of the competition were displayed on the website of the college and Facebook page. The details of the results were as following-

- **First Prize (Cash Prize Rs. 500/-):** MS. Ridhulaa, B.Ed. I Year, Sohan Lal D.A.V. College of Education, Ambala City.
- **Second Prize (Cash Prize Rs. 300/-):** Ms. Muskan, M.Sc. Biotechnology I Year, K.V.A. D.A.V. College for Women, Karnal

**Kumari Vidyavati Anand D.A.V. College
for Women, Karnal**

Directly managed by DAV College Managing Committee, New Delhi
Affiliated to Kurukshetra University, Kurukshetra

DEPARTMENT OF BIOTECHNOLOGY
organizes

State Level Online Short Video Making Competition
On

**ATOMS TO APPLICATIONS – THE JOURNEY OF
NANOSCIENCE**

Eligibility Criteria:

- Any U.G. PG student can participate.

Evaluation Criteria:

- The videos will be judged (by a panel of jury) based on the relevant information as per the theme, originality, creativity and technical quality.

General Instructions:

- The participants should send the videos, not exceeding than 3 minute duration.
- All entries should be original.
- There is no restriction on the video style, for example- it can be animation, whiteboard pictures, live action, motion graphics, kinetic typography, etc.
- The videos must strictly adhere to the given topic.
- The entries containing potentially offensive materials will be disqualified.
- The students can participate either individually or as a group (Maximum 3 members per group).
- In case of group participation, the prize if any shall be transferred in the name of team leader only (as designated during registration).
- The result shall be declared in the next week of the final submission date via the college website and the facebook page.
- The decision of the jury panel shall be final.
- Submit your entries to given link.
<https://forms.gle/46uswbw73WLaGVEk9>

Prizes

1st Prize of Rs. 500/-
2nd Prize of Rs. 400/-
3rd Prize of Rs. 300/-

Certificates will be awarded to all the participants.

SHORT VIDEO CONTEST

Principal (Offg.)
Mrs. Meenu Sharma

Convener
Dr. Nadia Chowhan

Organizing Committee
Dr. Preeti Sharma, Dr. Twinkle Singh,
Dr. Ritu Rani, Ms. Manpreet Kaur,
Ms. Sonika, Ms. Chetna

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Result:

Position	Name of Student	Class	Roll No.	College
1 st	Ridhulaa	B. Ed. I	25088	Sohan Lal D.A.V. College of Education, Ambala City.
2 nd	Muskan	M.Sc. I Biotechnology	2252043007	Kumari Vidyavati Anand D. A.V. College for Women, Karnal.

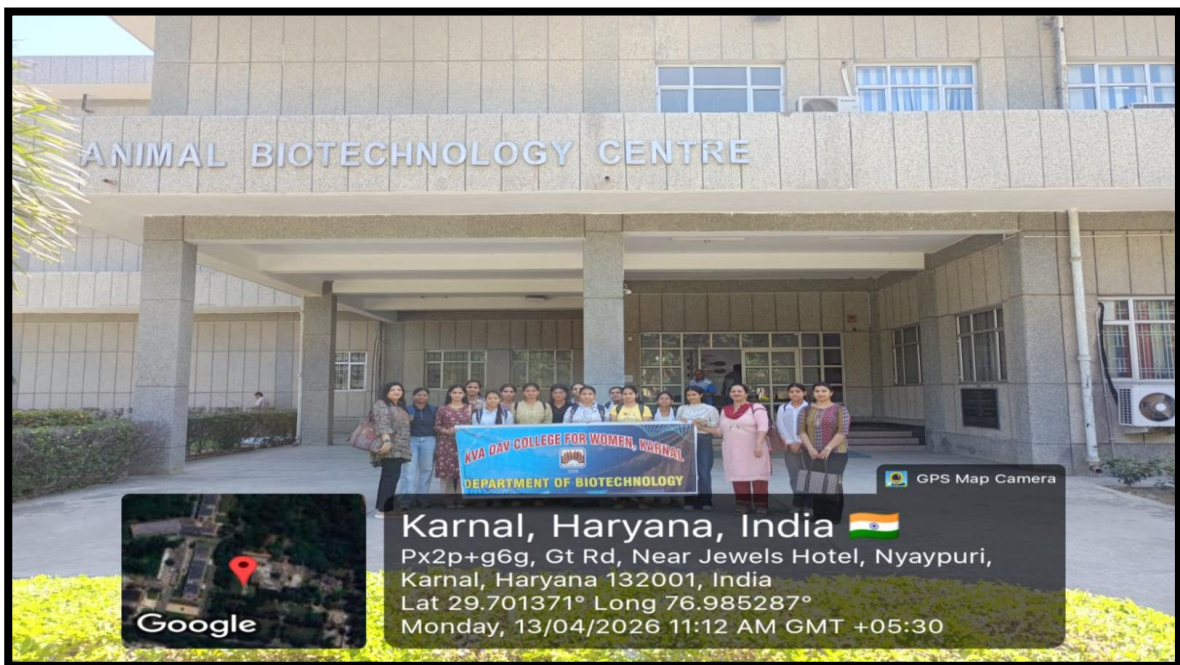
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Dr. Ritu Rani, Ms. Manpreet Kaur,
Ms. Sonika Breta, Ms. Chetna

➤ **Extension Lecture cum Hands-On Training Programme in the Department of Animal Biotechnology, NDRI- Karnal on April 13, 2026**

The Department of Biotechnology, Kumari Vidyavati Anand DAV College for Women, Karnal organized two Extension Lectures and a Hands-On Training Programme for their students in the Department of Animal Biotechnology, National Dairy Research Institute (NDRI) Karnal on April 13, 2026. Firstly, the students of M.Sc I and M.Sc II (Biotechnology), visited the esteemed institute and gathered knowledge about various varieties of cows and buffaloes through their exhibition unit, accompanied by Mr. Rakesh (Young Professional-II). He also explained to them about various clones of cattle produced by NDRI through a video. Later, under the guidance of Dr. Gaurav Tripathi (Project Scientist), the students also visited Animal Biotechnology Research Centre at the Institute and garnered information about the latest research technologies like CRISPR, IVF, Embryo Transfer Technology and lab equipments used there. He also explained to them about their various ongoing and completed projects, mainly focusing on their objectives, methodologies, outcomes, and overall achievements in the field of animal cloning. Further, the extension lectures were delivered by Dr. Manoj Kumar (Principal Scientist) and Ms. Ritika (Ph.D. Scholar) during the program, through which they predominantly threw light upon the techniques of in vitro fertilization (IVF) and Somatic Cell Nuclear Transfer (SCNT). Dr. Manoj Kumar elaborated on the principles, procedures, and applications of IVF in assisted reproduction, as well as the process of SCNT used in cloning and advanced reproductive technologies. His explanation also highlighted the scientific significance, practical applications, and potential benefits of these technologies in the field of animal biotechnology. Ms. Ritika highlighted the process of conversion of fibroblast cells into stem cells. She also described the process of reprogramming differentiated fibroblast cells into induced pluripotent stem cells (iPSCs) using specific transcription factors. In the last part of the program, the students themselves performed the techniques of oocyte recovery and searching through which they could also gain an insight into the in vitro maturation (IVM) process. These concepts were explained and demonstrated by Ms. Shavi (YP-II). Overall, the whole visit proved to be highly informative and enriching for the students aspiring to build a career in the field of biotechnology.



Achievements of Biotechnology Post Graduate Students

• University Positions (in the Final examinations May-2025)

The Post-graduate students of the Department of Biotechnology have excelled by securing distinguished university positions in the final examinations conducted by Kurukshetra University in May-2025, bringing great honour and recognition to the institution.

- Ms. Anjali of M.Sc. II Biotechnology (Roll no. 130252119) bagged Second position in Kurukshetra University examinations.
- Ms. Swati Sharma student of M.Sc. II Biotechnology (Roll no. 130252114) secured fourth position.
- Ms. Ramandeep, M.Sc. II Biotechnology (Roll no. 130252120) secured sixth position.

स्नातकोत्तर और स्नातक कक्षाओं में छाई केवीएडीएवी की छात्राएं



अबल रही छात्राओं को कालेज में किया गया सम्मानित ।

जागरण संवाददाता • करनाल : कुमारी विद्यावती आनंद डीएवी महिला महाविद्यालय, करनाल की छात्राओं ने सत्र 2024-25 में उत्कृष्ट शैक्षणिक प्रदर्शन करते हुए स्नातकोत्तर और स्नातक दोनों स्तरों पर कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र की मेरिट सूची में कई शीर्ष स्थान प्राप्त किए हैं।

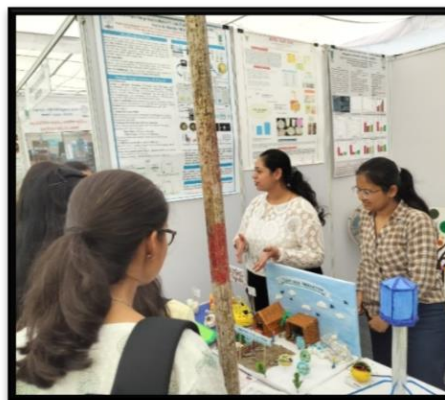
स्नातकोत्तर पाठ्यक्रमों— एमए (अंग्रेजी) में दिव्या ने प्रथम, डिंपल ने चतुर्थ और अंकिता ने तृतीय सेमेस्टर में सातवां स्थान प्राप्त किया। एमएससी (बायोटेक्नोलॉजी) में अंजलि ने द्वितीय स्थान, स्वाति शर्मा ने चतुर्थ और रमनदीप कौर ने छठा स्थान प्राप्त किया। एमएससी भूगोल में कनिका ने सातवां स्थान प्राप्त किया तथा एमकाम की छात्रा श्रेया सिंगला तीसरे सेमेस्टर में चौथा स्थान और साक्षी ने 13वां स्थान प्राप्त किया। ये उपलब्धियां छात्राओं की मेहनत और शिक्षिकाओं के सशक्त मार्गदर्शन को दर्शाती हैं।

स्नातक पाठ्यक्रमों बीए में निकिता रानी ने नौवां तथा तनु ने 14वां स्थान प्राप्त किया और बीएससी में रिचा ने पांचवां, खुशी ने नौवां स्थान प्राप्त किया। बीसीए में दिवंकल ने प्रथम स्थान, गीतांशु ने चौथा स्थान, सिया ने पांचवां स्थान और अंशिका ने सातवां स्थान प्राप्त किया।

Details of Participation and Achievements of our Students in Various Activities

➤ Educational Visit to National Dairy Mela and Agri-Expo 2026 held on March 07, 2026 for Post graduate and Undergraduate students

The Department of Biotechnology and Chemistry, Kumari Vidyavati Anand College for Women, Karnal organized an Educational Visit to the National Dairy Mela and Agri-Expo 2026 held at National Dairy Research Institute (NDRI), Karnal on March 07, 2026. The expo featured a wide range of scientific exhibits and various stalls demonstrating innovative dairy technologies, milk quality testing methods, and advancements in dairy technology including the use of novel paper strips to detect E. coli, coliform and their AMR strains in milk, Continuous Ghee Making Plants, Fish Farming and Apiculture emphasizing their importance in sustainable agriculture and rural development. Furthermore, stalls showing environment friendly waste management techniques, and demonstrations of milk adulteration detection kits. Other attractions at the expo included exhibitions of various native and crossbred dairy cattle. The students of M.Sc. Biotechnology, and B.Sc. Life Sciences actively participated in the quiz competition held during the Dairy Mela and answered several questions which encouraged academic engagement among the participants. The visit provided students with an opportunity to interact with the Researchers, Academicians, and Industry Professionals, which made them aware of the recent advancements, research opportunities, and job prospects in Science, Technology, Engineering, Arts, and Mathematics (STEAM) fields.



- **AIU Anveshan (2025)- Student Research Convention**

Anveshan 2025, the annual research convention aimed at fostering innovation, critical inquiry and inter-disciplinary collaboration among emerging scholars across the country was organized successfully at Kurukshetra University, Kurukshetra on Nov. 11, 2025. This was an International Competition for University students on Research, Innovation and Technology. Ms. Kanchan, a student of M.Sc. II Biotechnology (Roll no.2024090707) and Ms. Muskan of M.Sc. I Biotechnology (Roll no.2025208204) participated in AIU ANVESHAN 2025- Student Research Convention in Health Sciences and Allied Fields Track on the topic- Elucidation of therapeutic potential and synergistic effects of Hesperidin and Quercetin. The research proposals were presented in two rounds, in the first round, the participants displayed their projects in poster presentations before a panel of judges. In the second round the project was allowed for podium and oral presentation. Our students bagged First position and got selected for the Zonals. They represented Kurukshetra University at the North Zonal Competition held at G.B. Pant University of Agriculture and Technology, Pantnagar via Online mode on Nov. 25, 2025.



- **Talent Show 2025:** Youth and Cultural Affairs Society of our college organized Talent show on Sep. 13, 2025, our student Ms. Muskan of M.Sc. I Year (Biotechnology) participated in the event and bagged Third position in the Dance Competition (Solo). Ms. Aashna, Ms. Tamanna and Ms. Khushboo of B.Sc. I Life Science (SFS) secured Second position in the Group Dance Competition. Ms. Tanushree of B.Sc. I Life Science (SFS) secured First position in the Painting Competition organized during Talent Show 2025.
- **District Level Science Quiz Contest:** Pt. Chiranji Lal Sharma Govt. College, Karnal organized a District Level Science Quiz Contest sponsored by Haryana State Council for Science and Technology, Panchkula, Haryana on September 12, 2025. Two of our students, Ms. Chhavi Seth and Ms. Yashika of B.Sc.III Life Science (SFS) were members of the team and bagged First Position. Our students got selected for the Zonal Level of this Quiz Competition.
- **Swachhata Awareness Video Competition:** Our student Ms. Jyoti of M.Sc. I Year (Biotechnology) participated in the Swachhata Awareness Video Competition on September 29, 2025 organized by Swachh Haryana Mission Committee and bagged Second position in the Competition.
- **Slogan Writing/Poster-making Competition:** Ms. Payal Chaudhary and Ms. Tanushree Chaudhary of B.Sc. I Life Science (SFS) participated in the Poster-making/Slogan Writing Competition organized by Swachh Haryana Mission Committee on October 03, 2025 and bagged First position in the Competition.
- **Drawing and Speech Competition** : Youth and Cultural Affairs Society of our college organized Drawing and Speech Competition on Dec. 18-19, 2025, our students Ms. Muskan of M.Sc. I (Biotechnology) and Ms. Nancy of B.Sc. III Life Science (SFS) participated in the event and bagged prizes in the event. The event was a joint venture with Ministry of Broadcast and Communication, Govt. of India.



- **Prarambh Scholarship Test:** The Prarambh Scholarship Test was organized by Ypung India Academy at our college on Jan 20, 2026 Ms. Radhika of M.Sc. II (Biotechnology) secured Second Rank and received the Prize money of Rs. 11,000/-.



- **Fashion Show 2026- Belleza Rock the Floor:** Ms. Shivani, student of B.Sc. III Life Science (SFS) participated in the Fashion Show held on March 28, 2026 won Best Model (Ist Runner Up) for modeling –Gen Z Street. Ms. Dikshita of B.Sc. II Life Science (SFS) was awarded Best Model prize in the round Desi Meets Videshi at the event.

