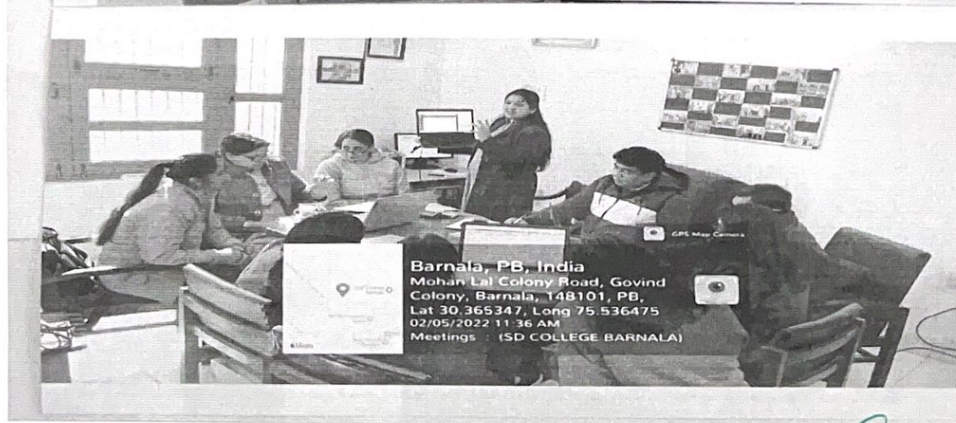
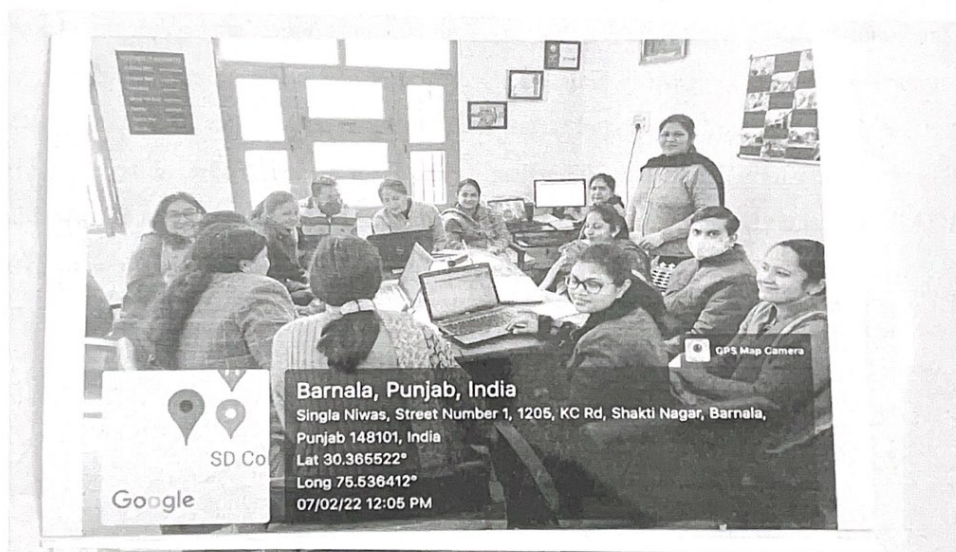



**Seminars/Workshops
Reports
SD College Barnala,
Punjab**

S.D. College, Barnala
Department of Mathematics
Organizes
Workshop
On
“MATLAB Software Workshop”
(5 Feb., 2022 to 12 Feb., 2022)

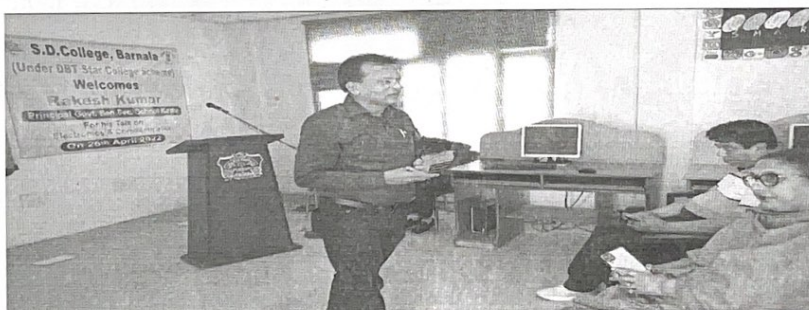
Department of Mathematics, S D College, Barnala organized a 7 day long “MATLAB Software Workshop” from 5 February, 2022 to 12 February, 2022. During the workshop, the department provided contents of different sessions and arranged lectures, besides hands on activity on the “MATLAB” software. The Workshop enhanced the knowledge of the participating faculty members on “MATLAB” Software and made them aware of newer computational techniques for making plots and graphs.




Principal
S.D. College, BARNALA KK

S.D. College, Barnala
Department of Physics
(Under DBT-Star College Scheme)
Organizes
Guest Lecture/Seminar
On
“Electronics and Communication”
(26th April,2022)

Keeping in mind the resonance of the above-mentioned words, Department of Physics and Mathematics in collaboration with all Science Departments jointly organised “Science Fair” on 25th and 26th April 2022 under DBT star college scheme. In this Science fair, a guest lecture on topic “**Electronics and Communication**” was also organised on **26th April, 2022**. Key speaker was **Sh. Rakesh Kumar, (State Awardee) Principal, Govt. Sen. Sec. School Kattu, Barnala**. In his lecture, Sh Rakesh Kumar highlighted the role and importance of semiconductor physics in ICT technology. He narrated some amazing electrical properties of semiconductors and their applications in different parts of hardware/software components of communication system. The speaker further explained fabrication and classification of different electronic devices like Diodes, Transistors, Integrated Circuits (ICs), Very Large Scale Integration (VLSI) etc. He also briefly discussed the role of electromagnetic waves like radio waves, microwaves in transmission of information through TVs, radios and RADAR system etc. Around **105 students** attended this lecture.




Principal
S.D. College, BARNALA KR

S.D. College, Barnala
Department of Zoology
(Under DBT-Star College Scheme)
Organizes
Guest Lectures/Seminars
On
“Intellectual Property Rights-A Tool for Protection of Innovations”
and
“Genetically modified Foods”
(26 May, 2022)

Under Star College Scheme, Deptt. of Zoology, S.D. College Barnala organized two ‘Guest Lectures’ on 26 May, 2022. For the first lecture on ‘Intellectual Property Rights-A Tool for Protection of Innovations’ the resource person was Dr. Balwinder Singh Sooch, Head Department of Biotechnology and Deputy Coordinator (IPR and technology Transfer cell) Punjabi University Patiala, Punjab. Dr. Sooch explained various intellectual property rights including copyright, patent, and trademark etc. with examples from day to day life.

For the second lecture on ‘Genetically modified Foods’ the resource person was Dr. R.S. Singh, Associate Dean, Chandigarh University, Gharuan, Punjab. Dr. Singh, who has been granted 2 Indian patents, has H-index 44 and more than 7000 citations explained various types of GM foods; various ways to develop them, their benefits, impact on environment, labeling issues etc. This event was attended by over 180 participants: faculty as well as students from S.D. College of B. Pharmacy, S.D. College of D. Pharmacy, Dr. Raghubir Prakash Senior Secondary School, Barnala apart from the host College. Both the lectures were informative for students as well as for teachers from all streams.


Principal KR
S.D. College, BARNALA



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Principal
S.D. College, BARNALA *kk*

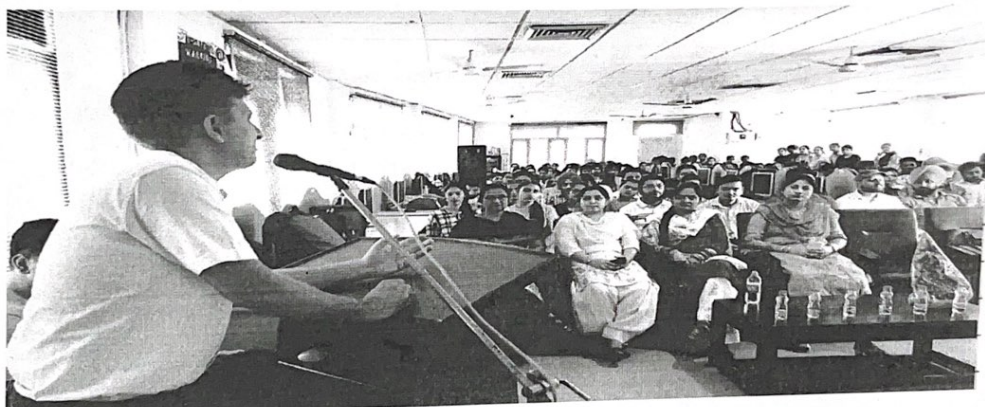
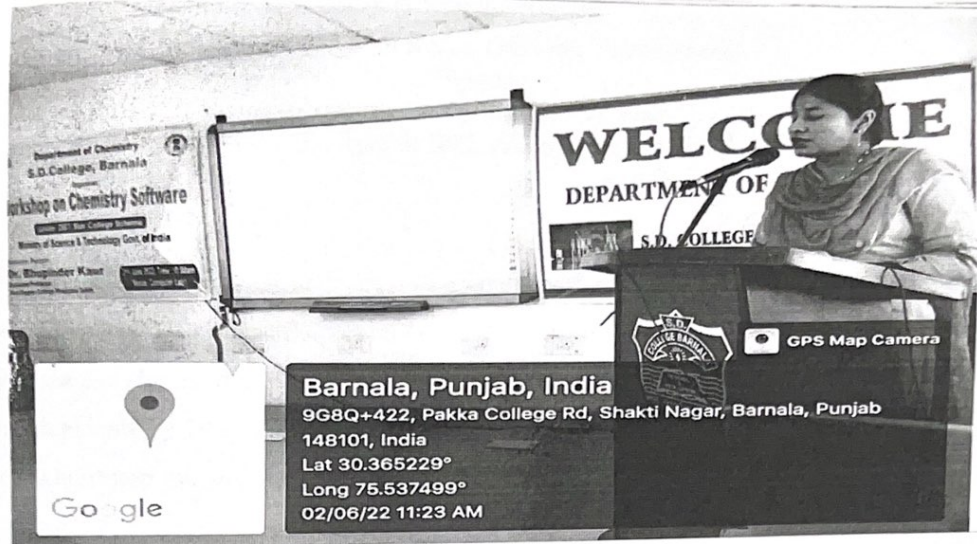
S.D. College, Barnala
Department of Chemistry
(Under DBT-Star College Scheme)
Organizes
Workshop on Chemistry Software
(June 2, 2022)

A workshop on Chemistry software "ChemSketch" was organized by Department of Chemistry, S.D. College Barnala on June 2, 2022 under DBT Star College Scheme. Dr. Bhupinder, Assistant Professor, Akal Degree College Mastuana Sahib was the resource person.

This workshop was conducted in two sessions. In the first session resource person narrated that ChemSketch used by millions of scientists worldwide, is molecular modelling program used to create and modify images of chemical structures. She further highlighted that this software allows molecules and molecular models to display in two and three dimensions, to understand the structures of chemical bonds and the nature of functional groups. She explained that the free version of ChemSketch intended for academic and personal use, has been accessible for more than two decades to students, academics and scientists to communicate research and create teaching materials. Users can also generate names for small molecules, calculate molecular properties, create professional reports, presentation, publication ready figures and search web based databases with the help of ChemSketch.

In second session students did hands on training of the ChemSketch software with the help of resource person in software development lab. Students learnt to draw chemical structures and reactions, predict molecular properties, viewing molecules in 2D and 3D. About 140 participants, including students from other institutions and teachers from various schools participated in the workshop.

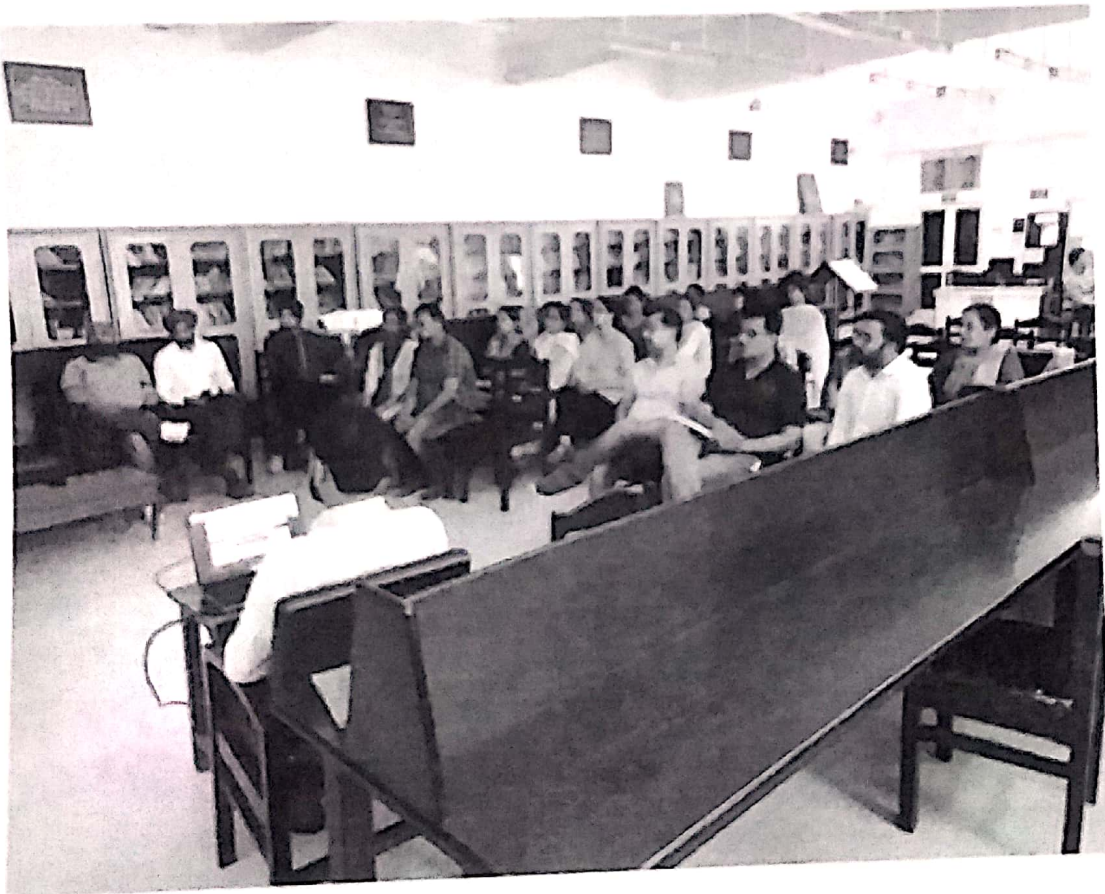

Principal
S.D. College, BARNALA



Principal
S.D. College, BARNALA

S.D. College, Barnala
Department of of B.Voc. (Software Development),
Organizes
Workshops on "Admission Software"
(March 24, 2022, April 5, 2022, June 6, 2022 and June 7, 2022)

Workshops on "Admission Software" were organised by Department of B.Voc. (Software Development), SD College Barnala on March 24, 2022, April 21, 2022 and June 7, 2022 for teaching and clerical staff. This ████ software was developed by teachers of B.Voc.(Software Development) by using framework: ASP.NET, Language C#, SQL server database, Java Script bootstrap and jquery. These workshops described online admission process.




Principal
S.D. College, BARNALA *KA*



Principal
S.D. College, BARNALA *KK*