



**SUPPORTING DOCUMENT
FOR**

2.3.1

**EXPERIENTIAL LEARNING, PARTICIPATIVE LEARNING AND
PROBLEM-SOLVING METHODOLOGIES**



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EXPERIENTIAL LEARNING

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Industrial Visits/ Field Visits



The Visit to the Himalayan Forest Research Institute Panthaghati, Shimla by Department of Zoology: September 3, 2024



Ludhiana, Punjab, India

WR28+R5H punjab agricultural university, Halbawal Khurd, Ludhiana, Punjab

141004, India

Lat 30.901738°

Long 75.816098°

01/10/24 05:47 PM GMT +05:30



Amritsar, Punjab, India

H-3593, Subhania Rd, Subhash Park, Area, Amritsar, Amritsar Cantt., Punjab 143001,

India

Lat 31.624846°

Long 74.875999°

02/10/24 12:01 PM GMT +05:30

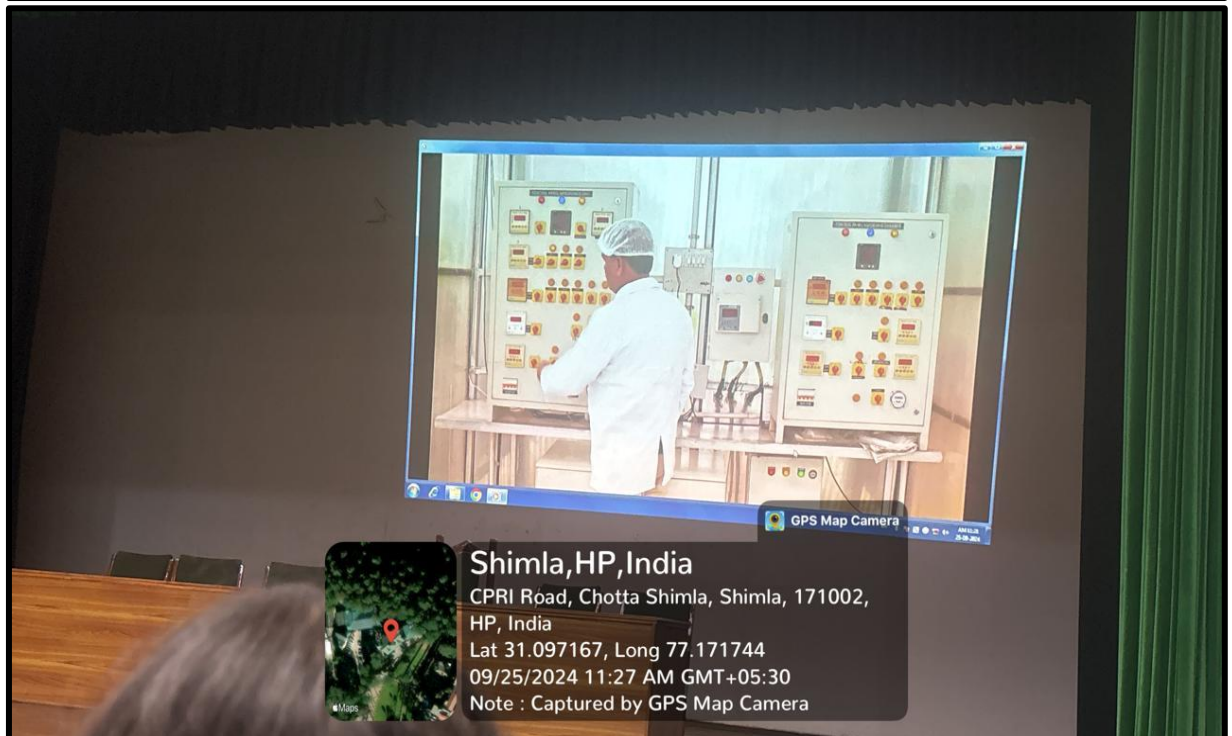
Field Survey at Amritsar by Department of Geography: October 1-6, 2024



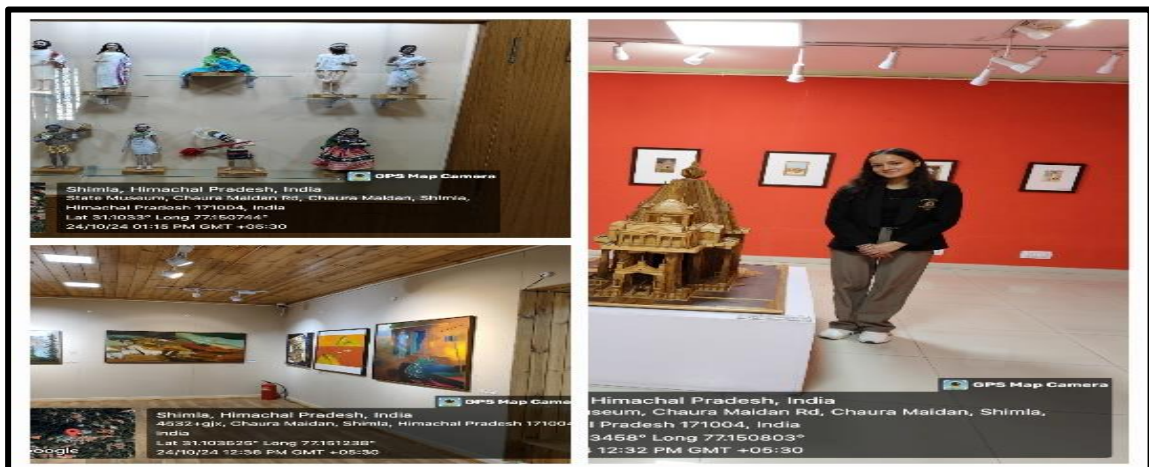
Field Survey at Amritsar by Department of Geography: October 16, 2024



Visit to Anganwadi Kendra Vihar Sanjauli Shimla by Department of Nutrition and Health Education: September 9, 2024



Educational Visit to Central Potato Research Institute (CPRI), Shimla by Department of Botany and Physics: September 25, 2024



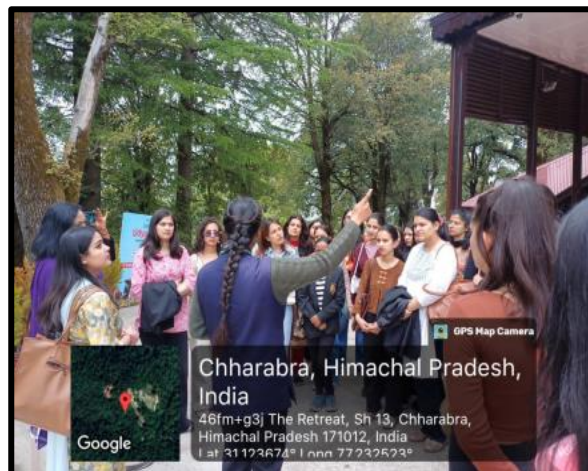
Educational Visit to State Museum by Department of History: October 24, 2024



Educational Trip to Forest Research Institute, Dehradun, Botany Department: October 25-29, 2024



Industrial Visit to ITC Manpur, Baddi ,Department of Commerce and Management:November 30,2024



Visit to Udyan Utsav (Flower Festival) at Rashtrapati Niwas, Mashobra, Shimla, Botany Department: April 29, 2025



Workshops



Workshop on Stock Market Organised by Department of Commerce and Management: August 8, 2024



Workshop on “Basic Word Processing Tools” at Sanatan Dharam Senior Secondary School, Ganj Bazaar, Shimla Organized by Department of Computer Science: September 20, 2024



A Workshop on Xcos: A Simulating Tool; Organised by Department of Physics: October 3, 2024



Two Days Workshop on 'Skill Development for Young Budding Entrepreneurs'
Organized by the Department of Biotechnology at St Bede's College in Partnership with the Biotechnology Incubation Centre of the Department of Biotechnology at HPU Shimla: October 4-5, 2024



Workshop on Creative Writing in Mass Media Organized by Department of English: October 5, 2024



A Workshop on "AI and Cyber Security: Empowering Entrepreneurs for Digital Future" Organised by the Department of Computer Science under the Aegis of IQAC: October 15, 2024.



Example

32 Times Table

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Dr. Renu Bala

Niharika Kashyap

Inaya MEHTA

Shimla, Himachal Pradesh, India
35VP+MMQ, Navbhahar, Chotta Shimla, Shimla, Himachal Pradesh 171002, India
Lat 31.094199°
Long 77.186273°
15/10/24 09:44 AM GMT +05:30

Madhu Aneja (Presenting)

86 - 14 = 72
78 - 22 = 56
14 x 2 = 28

Anushka Thakur

Himani

Roopangshi Gupta

5 others

Inaya MEHTA

Shimla, Himachal Pradesh, India
35VP+MMQ, Navbhahar, Chotta Shimla, Shimla, Himachal Pradesh 171002, India
Lat 31.094094°
Long 77.186393°
16/10/24 02:16 PM GMT +05:30

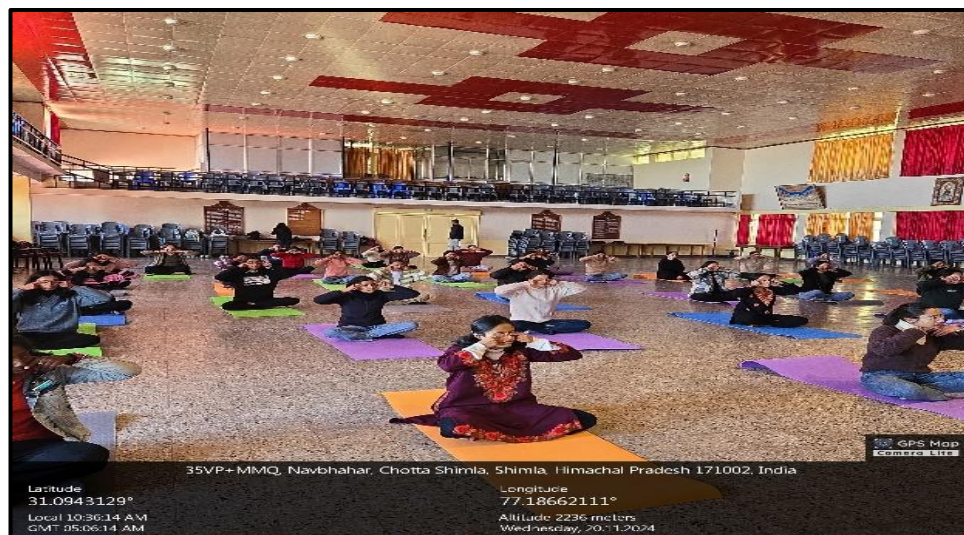
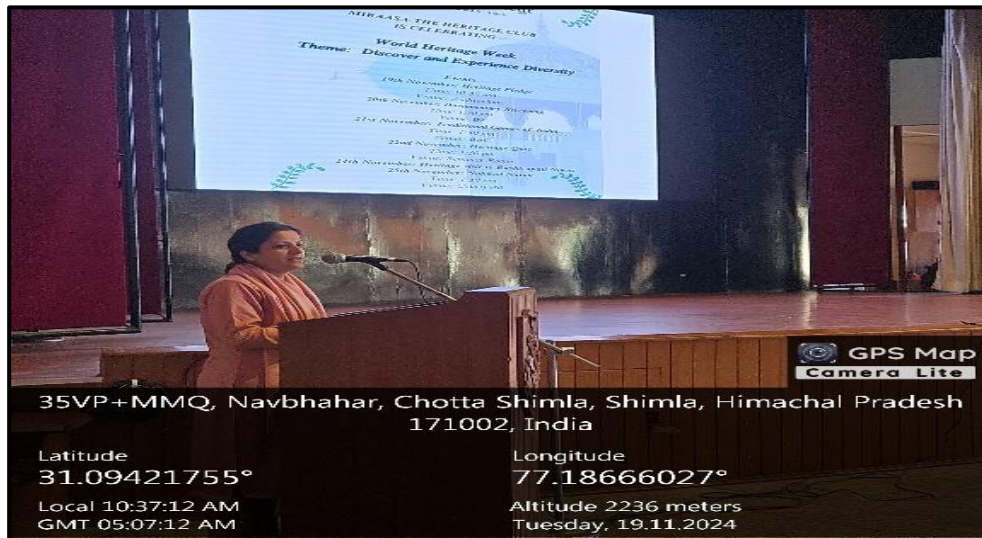
5 Days Workshop on “Unlocking the Secrets of Vedic Mathematics” Organized by Department of Mathematics: October 15- 19, 2024



Students of History Department Attended the Workshop on “Stone Tools and Techniques” at State Museum : November 19- 21,2024



Students Being Awarded the Certificates

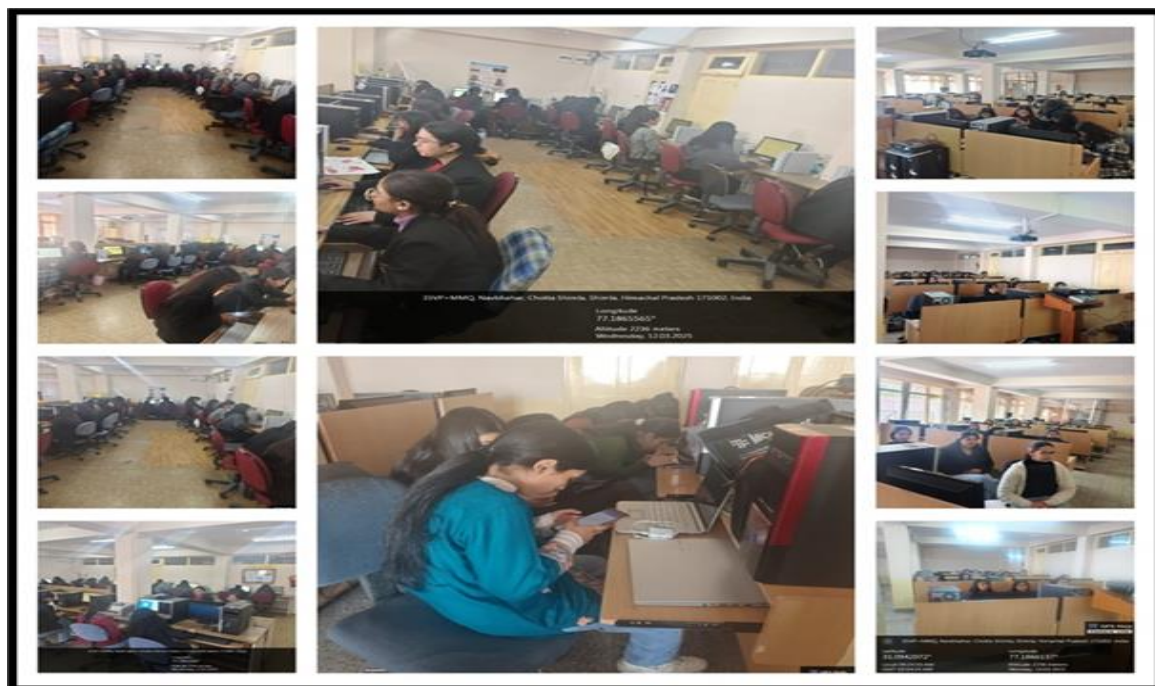


Yoga Workshop Organised by Department of History to Promote Indian Knowledge System (IKS) : November 19-23, 2024

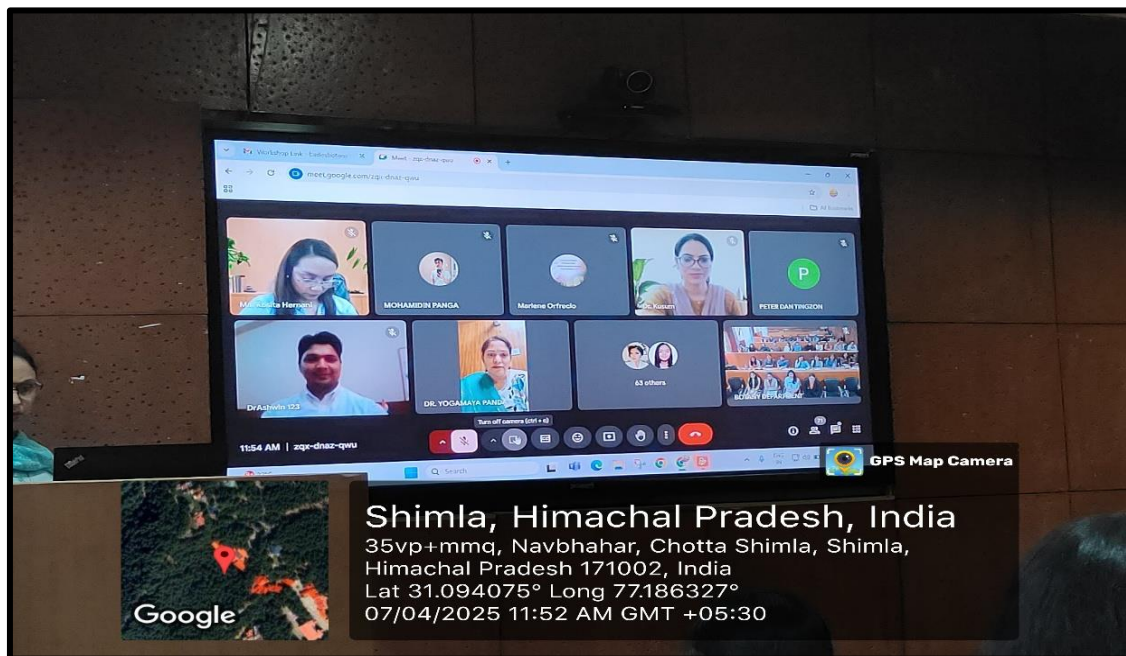


Workshop on BMI Conducted by Department of Nutrition and Health Education for NSS Students:

February 21, 2025



3 Days Workshop on “Basics of Python” Organised by Department of Computer Science: March 10-12, 2025



Three-Day Online International Workshop on Research Methodology for M.Sc. Botany Students:

April 7- 9, 2025



Internships/Training Programs

Students Undergo Internships and Training Programs

List of Students Department of Biotechnology

Sr. No.	Name	Class	Internship	Year
1.	Mamta Mehra	B.Sc Biotechnology Honours 2 nd Year	Skill Dunia/E- Cell IIT Hyderabad	May-July, 2025

Department of Psychology

Sr. No.	Name	Class	Internship	Year
1.	Prabhnoor Kaur	B.A. I Pass Course	NextZenAcademy	2 Month, 24 th February, 2025
2.	Medhavi Sharma	B.A. I Honours	HT City	11 th January to 24 th January, 2025
3.	Astha Kanwar	B.A. III Honours	HHMH&Reb	7 th June to 6 th July, 2024
4.	Bhumika Verma	B.A. III Pass Course	HHMH&Reb	1 st January to 31 st January, 2024
5.	Mahima Thakur	B.A. II Honours	HHMH&Reb	5 th May to 28 th June, 2025
6.	Shaili Kalyani	B.A. III Honours	HHMH&Reb	7 th June to 6 th July, 2024
7.	Mannat Sharma	B.A. I Honours	IGMC, Shimla	19 th May to 18 th June, 2025
8.	Saisha Khanna	B.A. I Honours	IGMC, Shimla	19 th May to 18 th June, 2025
9.	Kunjal Dhiman	B.A. I Honours	HHMH&Reb	5 th May to 28 th June, 2025
10.	Mehak Sharma	B.A. II Honours	HHMH&Reb	5 th May to 4 th June, 2025
11.	Sukriti Sharma	B.A. III Honours	HHMH&Reb	5 th May to 4 th June, 2025
12.	Mannat Kapoor	B.A. II Honours	KGNMT	1 st January to 31 st January, 2025
13.	Kajal	B.A. II Honours	Dr. SS Tania Medical College	25 th May to 25 th June, 2024
14.	Sonal Pazta	B.A. II Honours	KGNMT	1 st January to



				31 st January, 2025
15.	Tashi Thakur	B.A. II Honours	The Blissful Mind	1 st January to 30 th January, 2025
16.	Srishti	B.A. II Honours	HHMH&Reb	5 th May to 4 th June, 2025
17.	Venus Chauhan	B.A. III Pass Course	HHMH&Reb	1 st January to 31 st January, 2024
18.	Sheetal Thakur	B.A. II Honours	Shimla Psychiatric Hospital	6 th May to 12 th June, 2025
19.	Harmanpreet Kaur	B.A. II Honours	Shimla Psychiatric Hospital	6 th May to 14 th June, 2025
20.	Himani Verma	B.A. II Honours	Shimla Psychiatric Hospital	6 th May to 7 th June, 2025
21.	Harshita Jassal	B.A. II Honours	Shimla Psychiatric Hospital	6 th May to 12 th June, 2025
22.	Aastha Grover	B.A. II Honours	Shimla Psychiatric Hospital	6 th May to 14 th June, 2025
23.	Ankita Sajwan	B.A. II Honours	Dhanak Welfare Society	20 th May to 11 th June, 2025
24.	Arambhika Aliza	B.A. II Pass Course	Arogya Niketan	16 th May to 28 th May 2025
25.	Harshya Mehta	B.A. II Honours	Dhanak Welfare Society	20 th May to 11 th June, 2025



CBPL/2025/109


An ISO 9001:2015 Certified Org.
A DSIR Certified in-house R&D

CERTIFICATE

Certified that Mr./Ms. Mamta Mehra.....has successfully
Completed the Industrial/Research/Traning Program on Advanced Biotechnology
& Immunology.....as a requirement for B.Sc. (Biotechnology) Hons. Course from
the College / University St. Bede's College, Shimla.....

..... The training program was conducted by Codon Biotech Private Limited, Noida
during the period 21st May 2025 - 21st June 2025.....

 Dr. O.P.Lal Director, Codon Biotech Ex-Head, Div. of Entomology Indian Agricultural Research Institute New Delhi	 Dr. Tripti Bhatnagar Managing Director Codon Biotech Pvt. Ltd. Noida
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------

Ms. Mamta Mehra; Department of Biotechnology



E-Cell
IIT Hyderabad

Course Completion **CERTIFICATE**


This is to certify that

Mamta Mehra

has successfully completed *3 months Internship program on*
Medical coding from May to July 2025

from Skill Dunia in association with **E - Cell IIT Hyderabad**, We found you to
be hardworking and dedicated throughout your tenure

6/30/2025
Date of Issuance


Authorised by
THEJO SAMUEL
GENERAL MANAGER - HR

Certificate ID: SDCERTC16309

Reg under MCA , Govt of India as PECA EDUCATION OPC PRIVATE LIMITED with U85499TS2023OPC171207

Ms. Mamta Mehra; Department of Biotechnology




Ms. Prabhnoor Kaur; Department of Psychology



No. Health/Him/Hosp/MH/ 10.07.2024
Office of the Sr. Medical Supdt,
Himachal Hospital of Mental Health &
Rehabilitation, Shimla.

It is certified that Ms. Shaili Kalyani has completed one month clinical
observer ship from 7th June 2024 to 6th July 2024 at Himachal Hospital of Mental
Health and Reb. Bouilganj, Shimla -05 H.P.

She is a keen Observer with pleasant bedside manners.


Medical Officer I/c
Himachal Hospital, Shimla-5
HHMH&Reb. Bouilganj
Shimla-5 H.P.

Ms. Shalini Kalyani; Department of Psychology



Hands- on Training in Beekeeping for the SEC Students of Department of Zoology at Y. S. Parmar University of Horticulture and Forestry Nauni, Solan; October 23, 2024



3 days Training Program Attended by 6 students of Botany on Application of Biofertilizers and Biopesticides in Forestry Practices; September 25-27, 2024



The 3-day Training Program on “Seed, Nursery and Plantation Techniques of Oak Species” for M.Sc. Botany students at ICFRE-Himalayan Forest Research Institute (HFRI), Shimla; October 23-25, 2024



Sample Certificates of Training Program on “Seed, Nursery and Plantation Techniques of Oak Species” for other Stakeholders.”



Exhibitions (Sample)



Herbal Plant Donation Drive cum Exhibition Organised by Department of Botany; November 18, 2024



Presentation of Beauty and Wellness Products Synthesized in the Chemistry Laboratory



Artistic Creativity by the Students



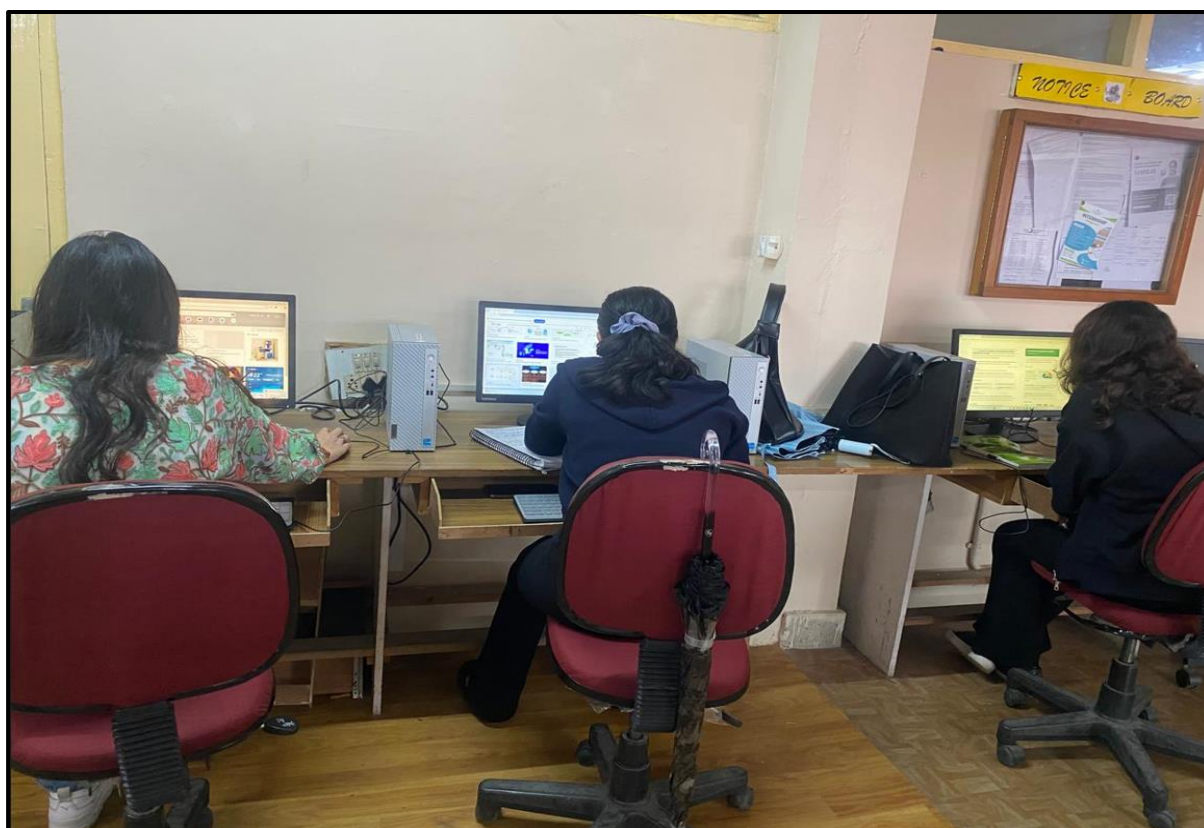
Learning in Laboratories



Students of Physics Department Performing the Experiment in the Laboratory using Stewart and Gee's Tangent Galvanometer, to find out Variation of Magnetic Field with Distance



Students Performing Purification of Organic Compound in Chemistry Laboratory



Students Working on Page Making in Computer Laboratory



Students of Biotechnology Department Performing Bacteria Cloning



Section Cutting of Plants Specimen in Botany Laboratory



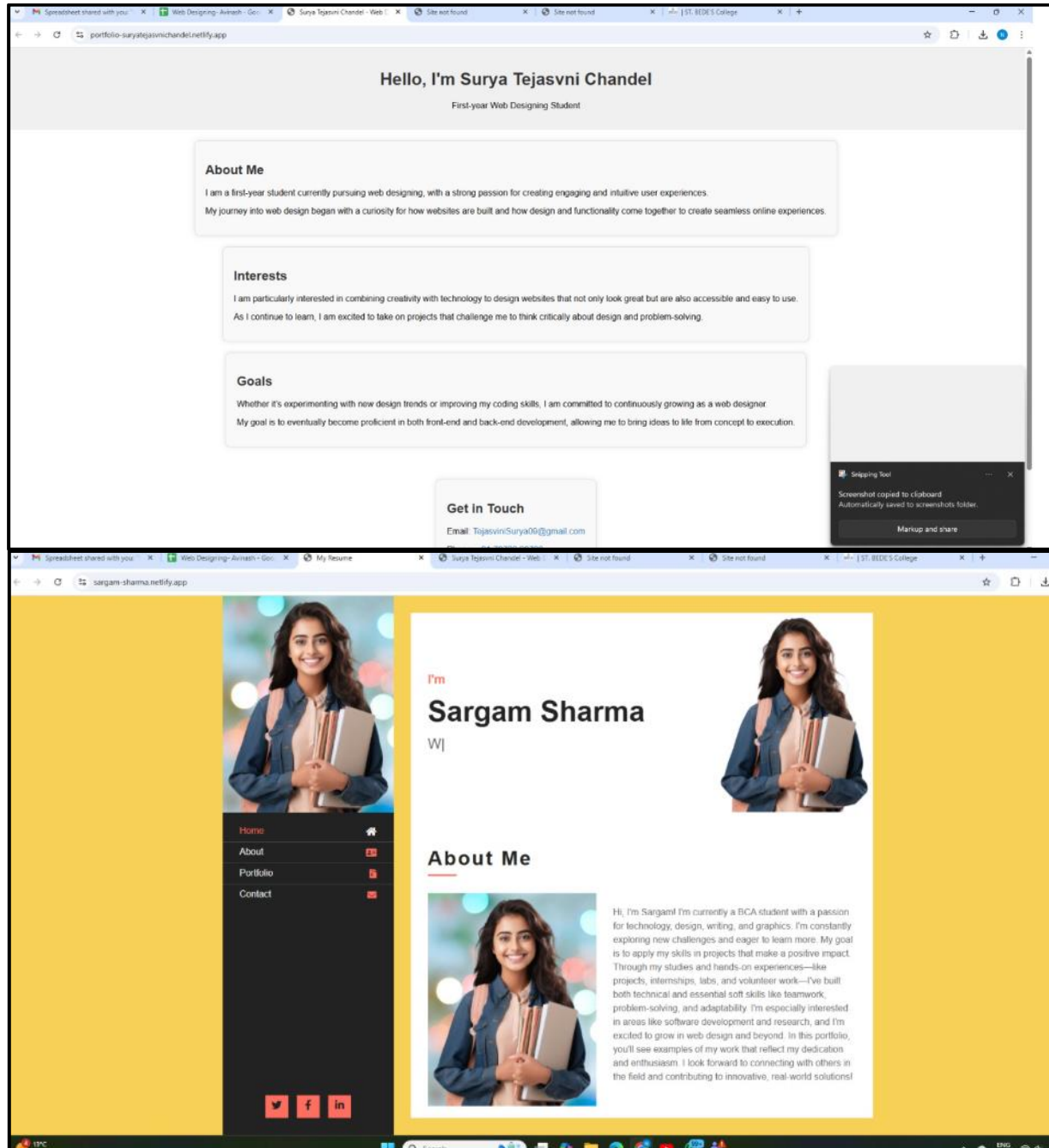
Students Performing Different tests for Qualitative Analysis in Physiology and Biochemistry in Zoology Laboratory



Students Performing Hindi Pronunciation in Language Laboratory



Website Designing



Computer Science Department



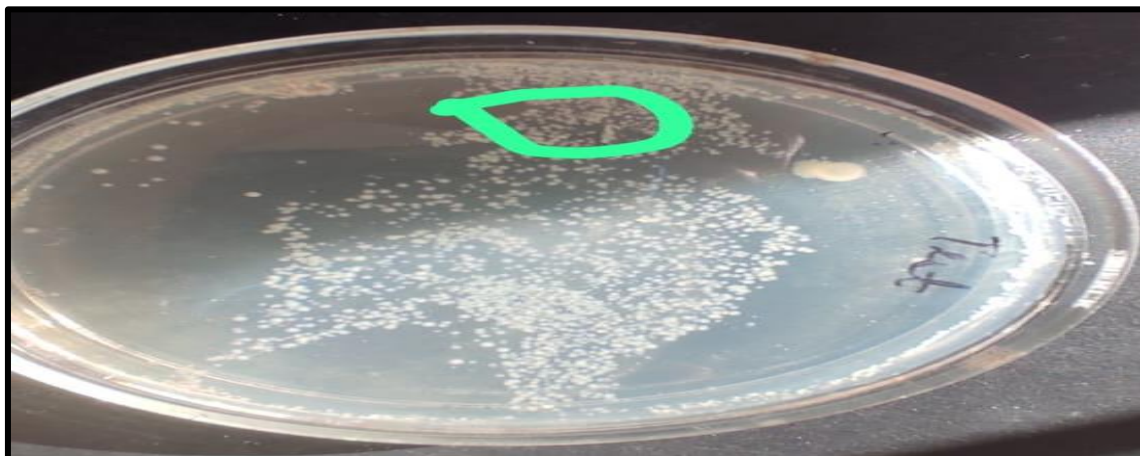
Hands-on Learning



Products Made by the Students of FLIC



Hands-on Training of Geography Students at Punjab Agricultural University Ludhiana; October 1, 2024



Hands- on Training on 'Gene Cloning' Organized by Department of Biotechnology



The screenshot shows a Fortran program named 'prime numbers.f95' in a code editor. The program prompts the user for a number limit 'n' and then lists all prime numbers up to 'n'. The output window shows the program running with 'n' set to 20, displaying the primes: 2, 3, 5, 7, 11, 13, 17, 19.

```

1 integer J,I,N
2 write(".*") 'give number limit for prime numbers'
3 read(".*") N
4 write(".*") 'prime numbers are'
5 write(".*") 2
6 do 201 i=3,N
7   do 101 j=2, i-1
8     if (real(i)/real(j).EQ.int(real(i)/real(j))) then
9       go to 201
10    end if
11    continue
12  101 write(".*") i
13    continue
14  201 stop
15  end

```

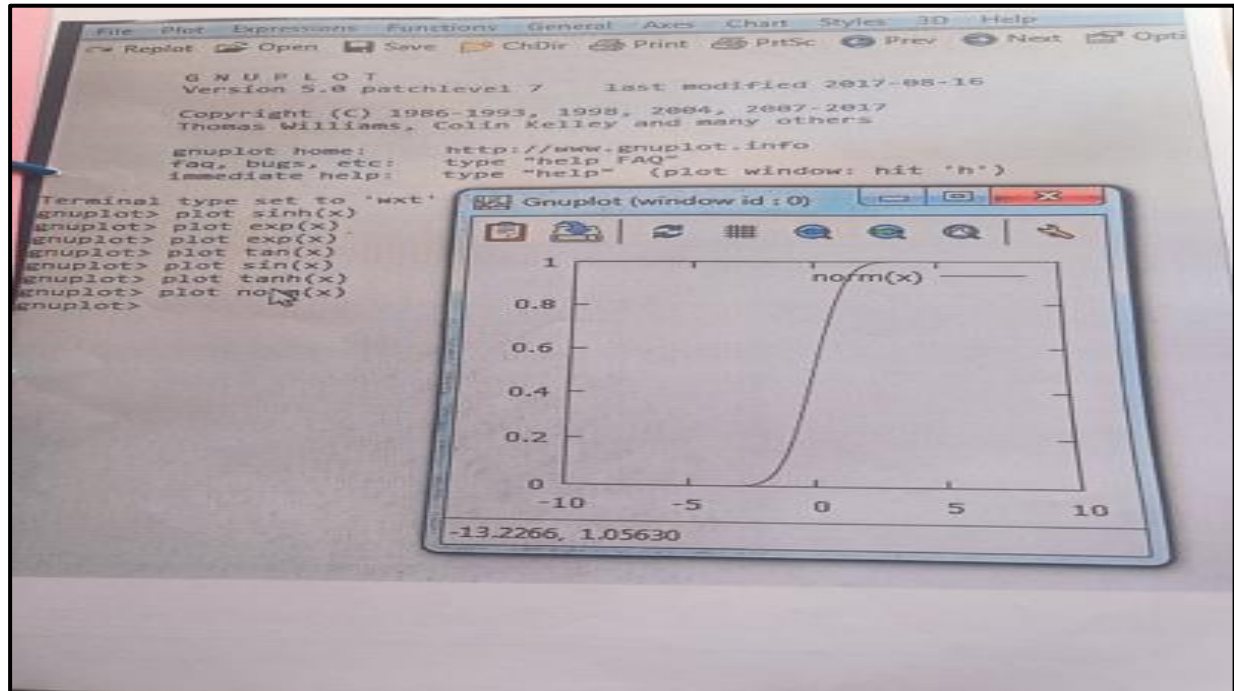
Output window (C:\Users\Lehi-07\Desktop\plots.exe):

```

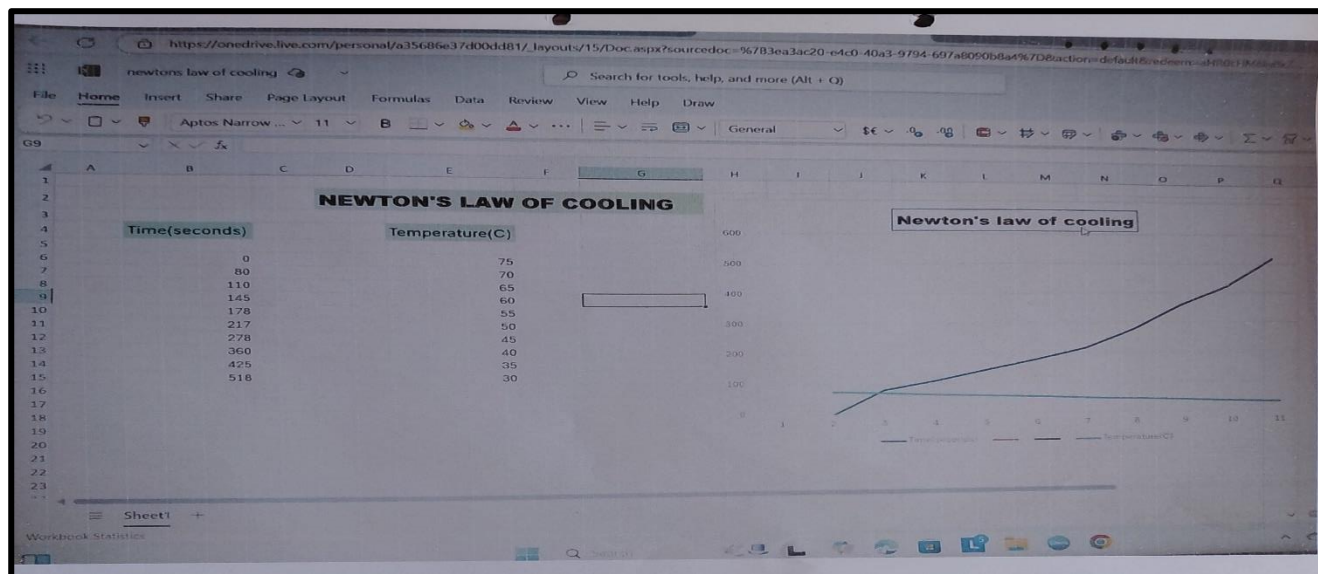
give number limit for prime numbers
20
prime numbers are
2
3
5
7
11
13
17
19
Press RETURN to close window...

```

Learning Fortran; Physics Department



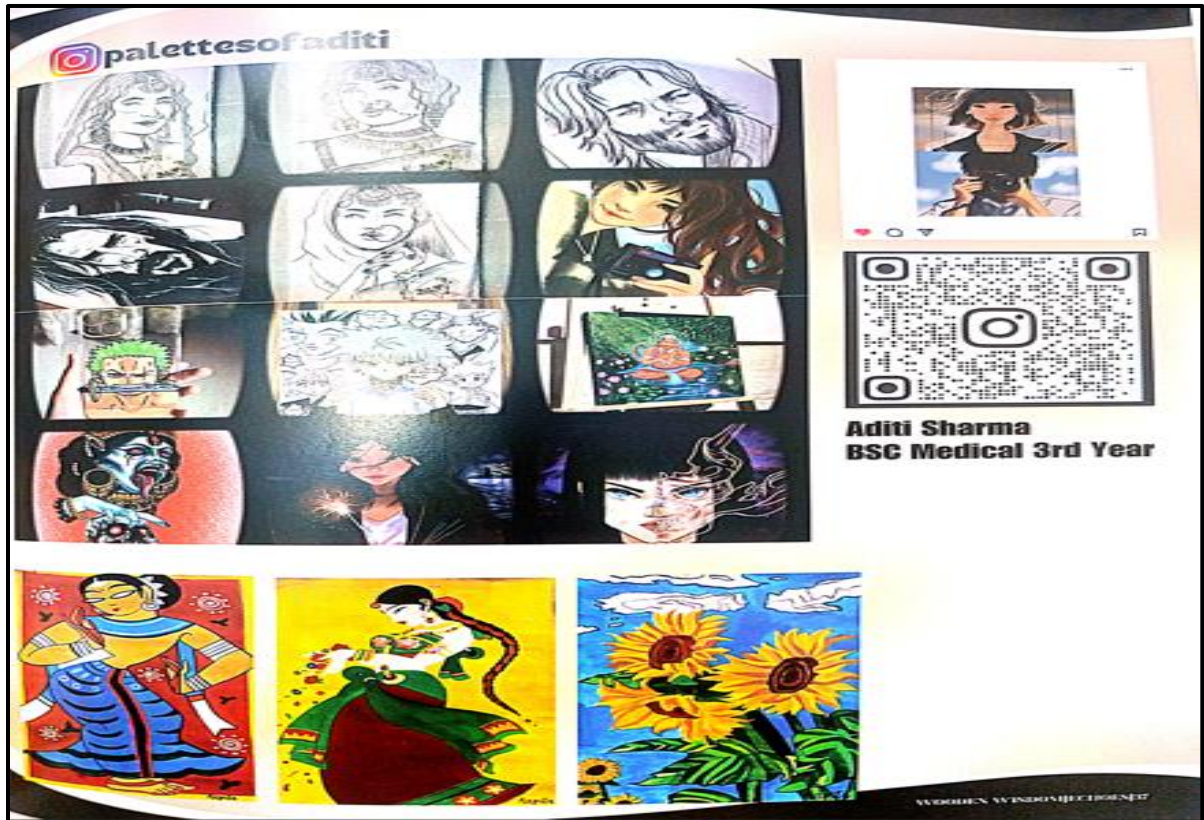
Gnu Plot; Physics Department



Graph Showing Newton's Law of Cooling on Excel; Physics Department



Art Work by the Students



Art Work by the Students



Art Work by the Students



Art Work by the Students



Experiential Learning Through Indian Culture



Food Heritage Cooking Competition; History Department



Movie Screening and Review



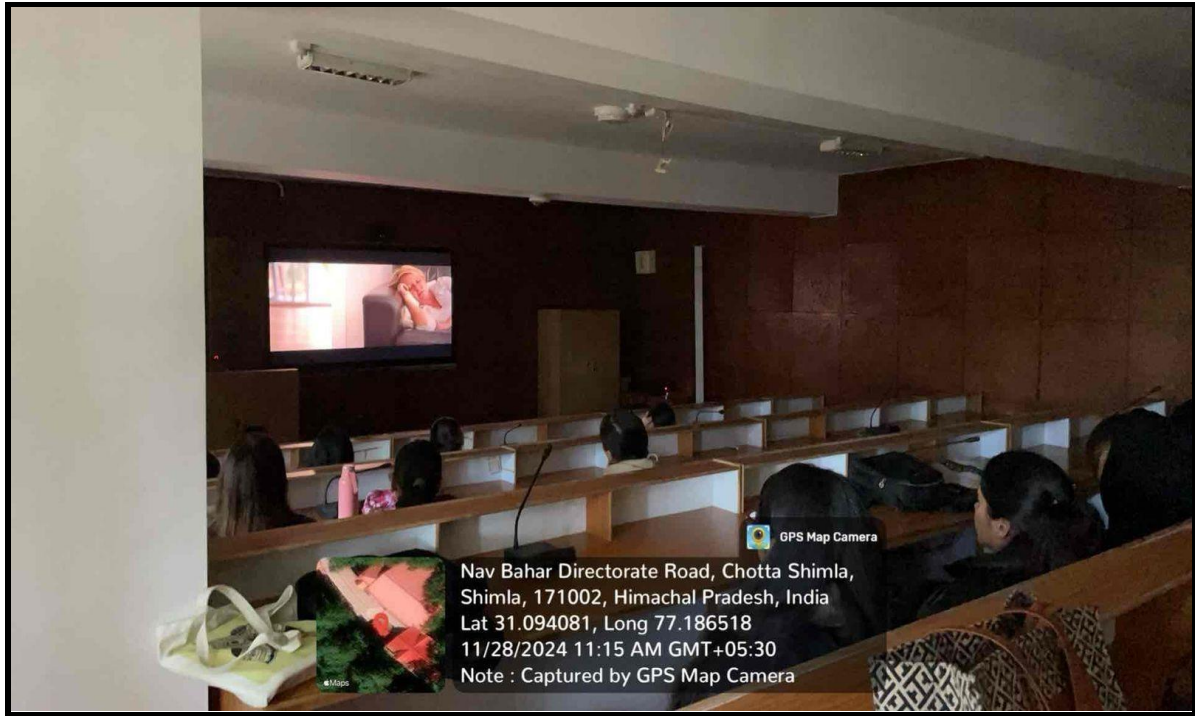
The Documentary Showcased Inspiring Journey of a 17-year-old Boy with Big Dreams but Limited Resources who Managed to Build a 2000 crore Dairy Business Despite the Fiercely Competitive Market Conditions Organized by the Economics Department ; September 6, 2024



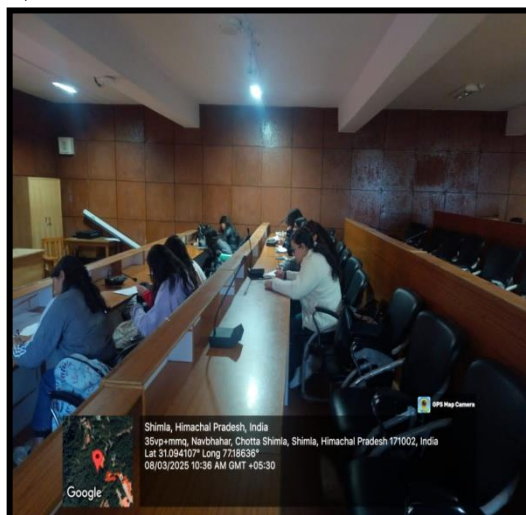
*Documentary Screening on Mahakavi Bharti Organised by Hindi Department;
September 11, 2024*



Movie Review Competition on Short Film “The Silent Child” Organized by Economics Department; September 27, 2024



***Movie Screening on Domestic Violence Act, 2005 Organized by Department of Political Science;
November 28; 2024***



***Movie Screening of Lapata Ladies on the Occasion of International Women Day Organized by
Hindi Department; March 8,2025***



Book and Film Reviews Every Friday Organized by Department of English



Role Play (Sample)



Role Play on 'Idgah' (Short Story) Enacted by College Student on Hindi Diwas



Street Play



Department of Psychology Celebrates World Mental Health Day with a Captivating Street Play



Community Outreach



Department of Computer Science Students giving Presentation on “Basic Word Processing Tools” at Sanatan Dharam Senior Secondary School, Ganj Bazaar, Shimla; September 20, 2024



Skit on Waste Management at Govt. School, Sanjauli; Department of Botany



*Empowering Young Minds Through Mindfulness: A Celebration of Mental Health at GSSS, Sanjauli;
Department of Psychology*



Workshop on Vedic Mathematics to the Students of City Public School, Bhattakuffer by Mathematics Students



PARTICIPATIVE LEARNING

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Peer Teaching (Sample)



Peer Teaching by M.Sc. Students of Department of Botany Department on Biology and Diversity of Gymnosperms



Student Explaining the Structure of Pila to Her Peer; Department of Zoology



Peer Teaching by Students of History on Megalirhuc Culture



Group Discussion (Sample)



Group Discussion by Mathematics Students on LU Decomposition Method; October 24, 2024



Group Discussion on Devanagari and Indian Knowledge Tradition; Hindi Department



Presentations by the Students



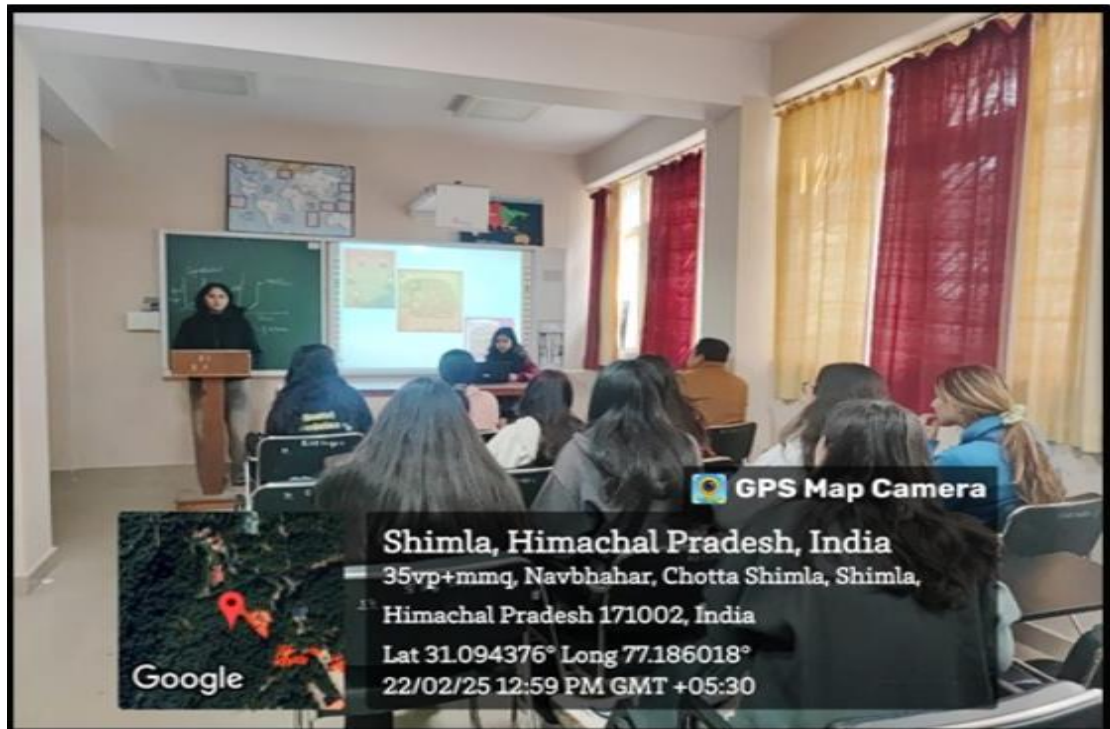
Presentation by Student of Hindi Department on Letter Writing



Presentation on International Day of Mathematics (π - Day)



Presentation on Schizophrenia; Department of Zoology



Presentation on Disaster Management by Student of Geography Student



Small Group Instruction



Instruction on Order of a Group; Mathematics



Small Group Instruction Explaining the Structure of Animals; Zoology



Quizizz




Students Participating in Online Quizizz Organised by Department of Zoology; November 21, 2024

Larval Forms and Systems in Hemich...									
Reports									
Search in my reports									
Larval Forms and Systems in Hemich... Completed									
Live Dashboard Assign homework									
Shweta Thakur (Shweta Thakur)	6	2	75%	6/8	3630	Evaluate			
shweta thakur (Niharika)	5	3	63%	5/8	4010	Evaluate			
Shagun Shagun (Shagun Shagun)	5	3	63%	5/8	3080	Evaluate			
Ananya Sisodia (Ananya Sisodia)	4	4	50%	4/8	2690	Evaluate			
Prithvi Rajput (Prithvi Rajput)	4	4	50%	4/8	2990	Evaluate			
suhana verma (suhana verma)	4	4	50%	4/8	2400	Evaluate			
Alka Parihar (Alka Parihar)	3	5	38%	3/8	2020	Evaluate			

Final Score Card of the Quizizz



Debates



Heritage Status

St. Bede's College

Inter-Ship Debate Competition

ORGANISED BY
DEBATES & DRAMATICS SOCIETY

Topic - Latest amendments pertaining to women : boon or bane for their career aspirations

Date : September 19, 2024
Time : 12:30 p.m.
Venue: Auditorium



Debate Competition



Intercollegiate Participative Collaborative Learning



Students Attended One Day Workshop at COE Govt. College Sanjauli



Hands- on Training on Melissopalynology at COE Govt. College, Sanjauli



Celebrating World Mental Health Week with an Engaging Inter-College Quiz Competition, Where Knowledge Meets Awareness; October 7, 2024



Intercollege Economics Literacy Meet; March 18, 2025



Special Lectures



A Lecture Cum Workshop Delivered by the Computer Science Students on “Basic Word Processing Tools” at Sanatan Dharam Senior Secondary School, Ganj Bazaar, Shimla ; September 20, 2024



Lecture Cum Workshop by Mathematics Students at City Public School, Bhattakufer; March 13, 2025



Seminars



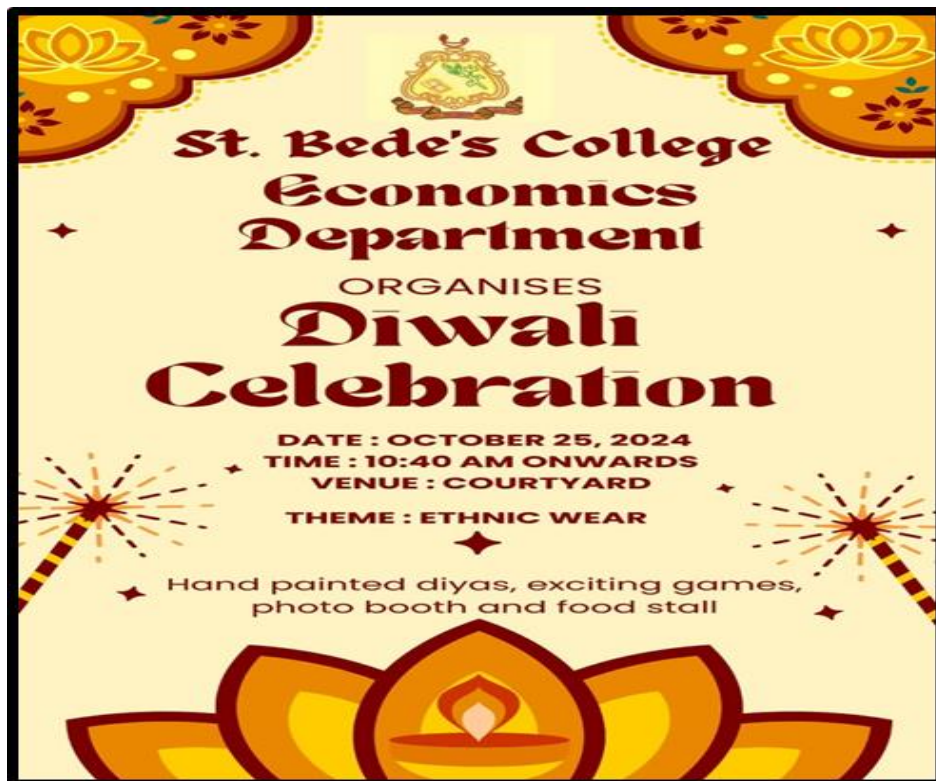
One-Day Seminar on 'Mind Mastery: Achieving Excellence And Personal Growth Through Psychology,' Featuring Expert Insights on Mental Health, Personal Development, And the Impact of Psychological Techniques in Cyber Security; December 9, 2024



Awariness Session on Special Rights Under “Bhartiya Nagarik Suraksha Sanhita 2023”



Learning Through Cultural Forums (Sample)



Department of Economics



केओथल इलाके की लोक कथा

हिमाचल प्रदेश के शिमला जिले में केओथल रियासत अपनी ऐतिहासिक विरासत और लोक कथाओं के लिए प्रसिद्ध है। यह क्षेत्र कभी एक स्वतंत्र रियासत था, जहां स्थानीय राजाओं का शासन था। यहां की लोक कथाएं गहरी संस्कृति, रहस्यमयी घटनाओं और देवी-परियों की कहानियों से भरपूर हैं।

बहुत समय पहले, केओथल रियासत पर एक न्यायप्रिय और परोपकारी राजा शासन करता था। राजा का नाम वीर बंदूखेन था। वह अपनी प्रजा से बहुत प्रेम करता था और हमेशा उनकी गलती के लिए कार्य करता था। लेकिन राजा को एक बिता बी - उनकी कोई संतान नहीं थी, जिससे राज्य का उत्तराधिकारी तय नहीं था।

राजा ने कई महिलाओं में प्रजा की, तपस्वियों से आशीर्वाद लिया, लेकिन कोई समाधान नहीं निकला। एक दिन, एक दिव्य संत उसके महल में आए। उन्होंने राजा से कहा, "राजन, तुम्हारी संतान प्राप्ति तभी संभव होगी जब तुम अपने राज्य में स्थित विषम मुक्त में तपस्या करोगे और वहां एक विशेष बलिदान दोगे।"

राजा ने संत के वचनों को गंभीरता से लिया और अपने विश्वसनीय दरबारियों के साथ मुफ्ता की ओर चल पड़ा। वह मुफ्ता के पास पहुंचा और वहां घोर तपस्या की। कई दिनों तक राजा ने बिना भोजन पानी के देवी की उपासना की। अंततः देवी प्रसन्न हुई और उन्होंने राजा को दर्शन दिए।

देवी ने राजा से कहा, "हे राजन! तुम्हें एक पुत्र रतन की प्राप्ति होगी, लेकिन एक शर्त है - यह बालक अठारह वर्ष का होगा। देवी ने राजा से कहा, "हे राजन! तुम्हें एक पुत्र रतन की प्राप्ति होगी, लेकिन एक शर्त है - यह बालक अठारह वर्ष का होगा। देवी ने राजा से कहा, "हे राजन! तुम्हें एक पुत्र रतन की प्राप्ति होगी, लेकिन एक शर्त है - यह बालक अठारह वर्ष का होगा।"

राजकुमार अर्जुनसेन बड़ा होकर एक बहादुर, बुद्धिमान और दयालु युवक बना। जब वह अठारह वर्ष का हुआ, तो महल में अजीब घटनाएं होने लगीं। कभी राजकुमार को जंगलों में अकेले चलते हुए देखा जाता, कभी वह घंटों तक किसी से बात किए बिना ध्यानमग्न रहता।

किसी दिन, जब राज्य में एक बड़ा उत्सव मनाया जा रहा था, अर्जुनसेन अचानक अदृश्य हो गया। लोगों ने उसे बहुत ढूँढा, लेकिन उसका कोई पता नहीं चला। कुछ वृद्ध लोग कहते हैं कि उन्होंने उसी मुफ्ता की ओर जाते देखा था। जब राजा ने वहां जाकर देखा, तो मुफ्ता के अंदर एक दिव्य प्रकाश था और उसके केंद्र में अर्जुनसेन ध्यान में लीन था।

कहा जाता है कि अर्जुनसेन ने वहीं ध्यान लगातार योगी का रूप धारण कर लिया और अंततः स्वर्गलोक चला गया। इस घटना के बाद, केओथल रियासत में कई वर्षों तक शांति और समृद्धि बनी रही।

यह कथा केओथल की ऐतिहासिक और आध्यात्मिक विरासत को दर्शाती है। यह हमें बताती है कि कुछ लोग जन्म से ही विशेष उद्देश्यों के लिए होते हैं और उनके जीवन का मार्ग नियति द्वारा निर्धारित होता है। आज भी, केओथल के कुछ हिस्सों में अर्जुनसेन की गाथाएं सुनाई जाती हैं और एक दिव्य आत्मा के रूप में पूजे जाते हैं।

सुश्री प्रियांशी ठाकुर
बी. ए. प्रथम वर्ष

05

Folk Tales by the Students

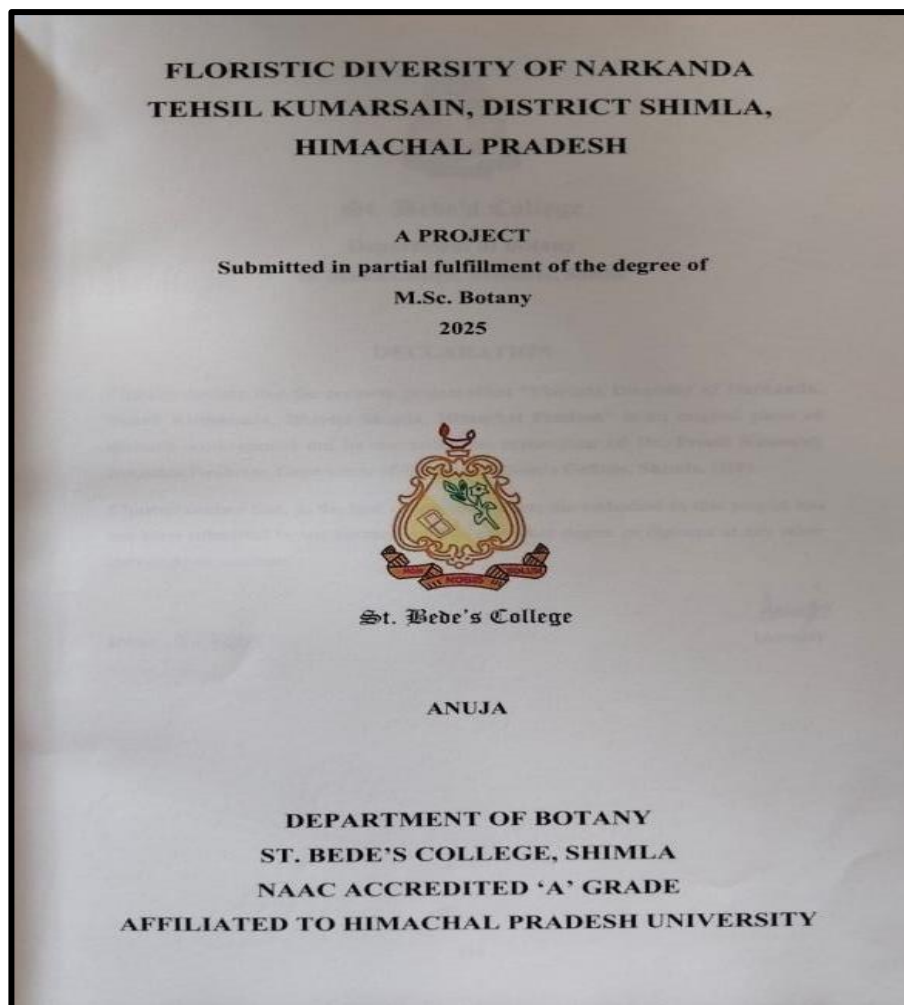


PROBLEM SOLVING METHODOLOGY

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Projects



Department of Botany



OPEN READING FRAMES

Project On Lactobacillus sp. 59DCEP01MX 16S



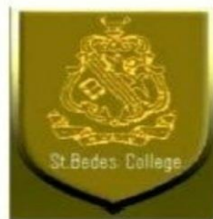
Submitted To - Dr. Navdeep Thakur
Submitted By - Aastha Nresht
BSC. Biotechnology Honours
2024-2025

Department of Biotechnology



**A
PROJECT REPORT ON
BUYING BEHAVIOUR TOWARDS NIKE**

**SUBMITTED TO
ST. BEDE'S COLLEGE, SHIMLA**



**IN PARTIAL FULFILMENT OF UNDER GRADUATE DEGREE IN
BACHELOR OF BUSINESS ADMINISTRATION
SESSION 2022-2025**

**SUPERVISED BY:
DR. RAMAN BASSI**

**SUBMITTED BY:
DHUN DUBEY
ROLL NO. 5220830017**

Department of Commerce and Management



St. Bede's College

NAAC Re-Accredited 'A' Grade

A PROJECT REPORT

on

ANALYSING WATER SUPPLY PATTERN IN SHIMLA: CONSUMPTION, QUALITY AND CONSERVATION PRACTICES



**ST. BEDE'S COLLEGE, SHIMLA
DEPARTMENT OF ECONOMICS**

Submitted to:
Dr. Anupama Tandon
Associate Professor
Head, Department of Economics

Submitted by:
Ms. Diksha Uniyal
BA III Economics Honours

Department of Economics



Comparative Study on Anxiety among College Students both
Males and Females



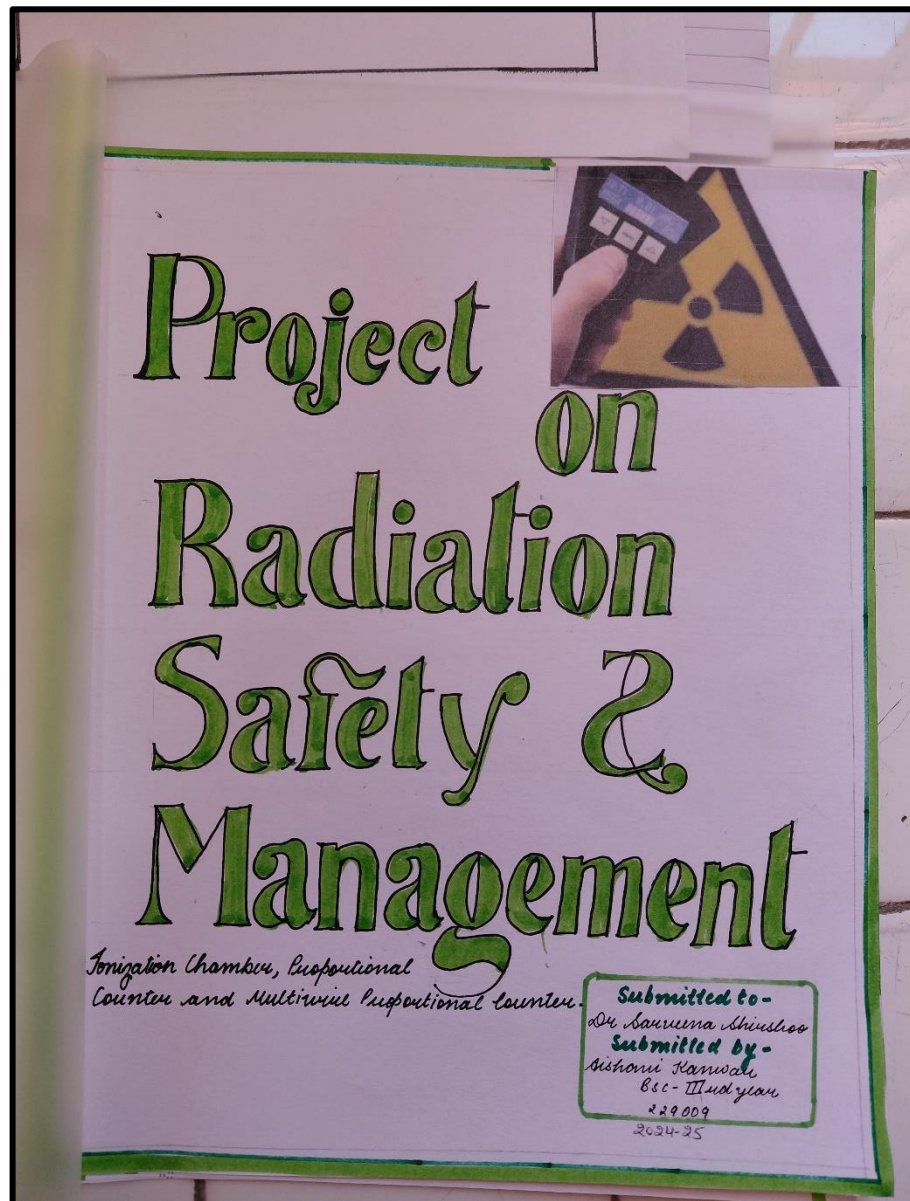
Aastha Kanwar

Department of Psychology St. Bede's College

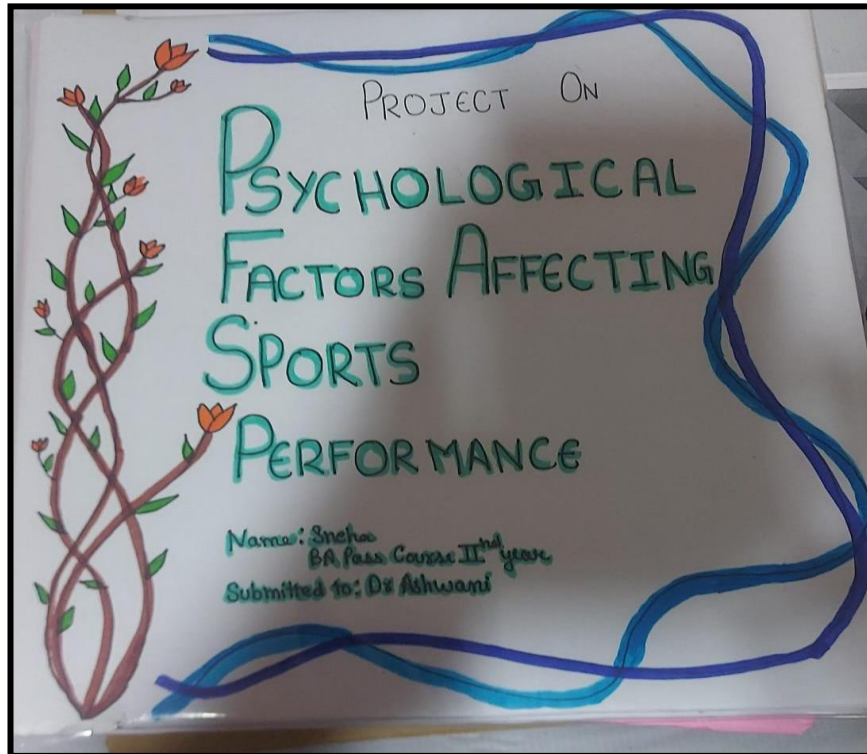
BAPSYCHA324 : Project Report

Supervised by: Mr. Mohit Kumar (Assistant Professor)

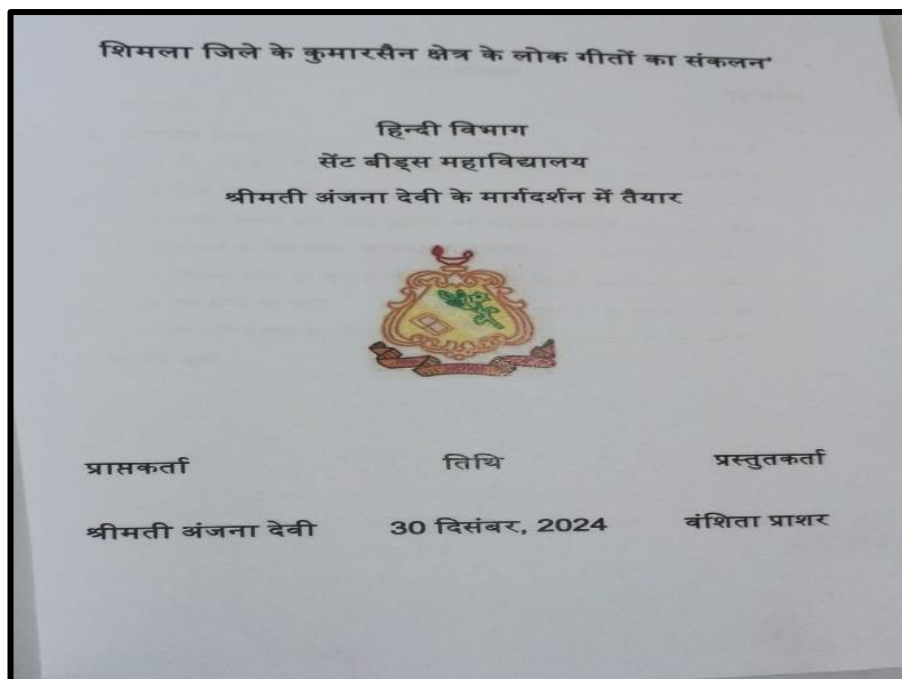
Department of Psychology



Department of Physics



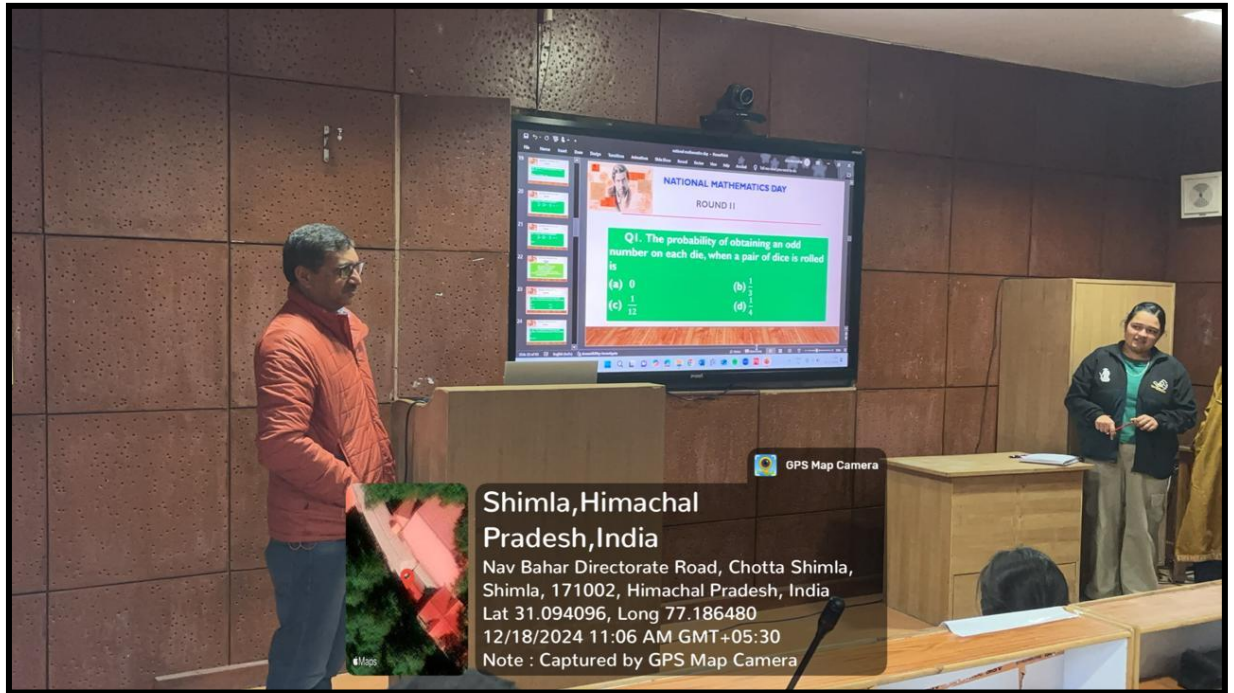
Department of Physical Education



Department of Hindi



Quiz



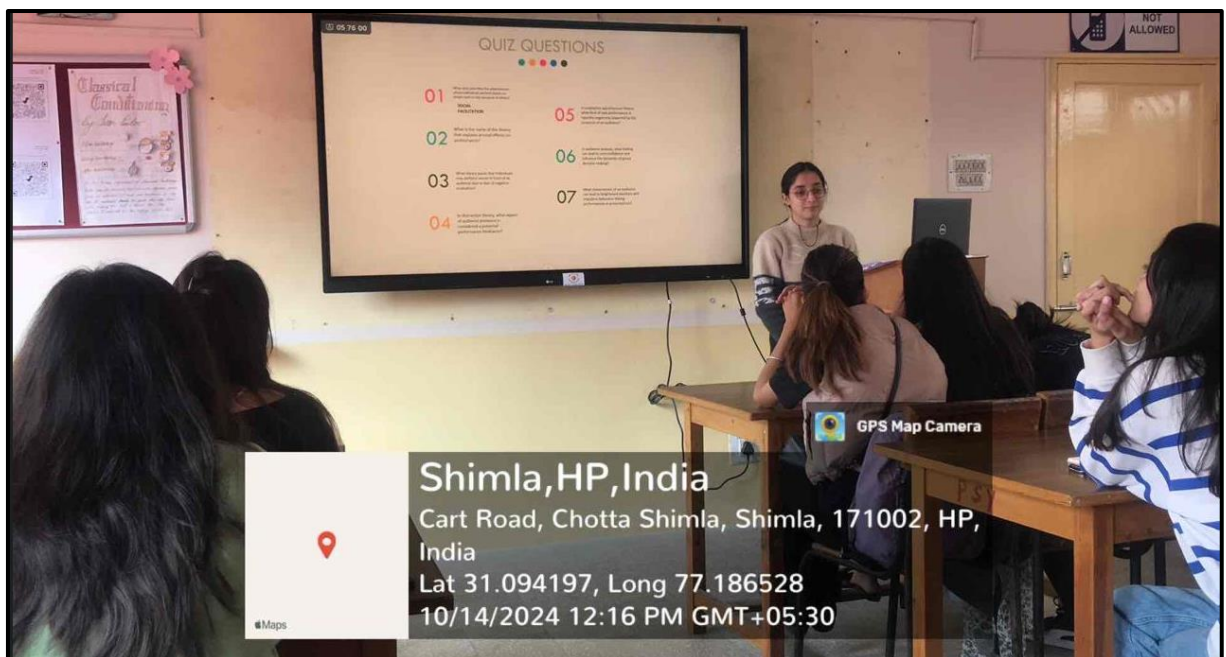
Department of Mathematics on Occasion of National Mathematics Day



Inter College Quiz Competition on World Mental Health Day Organized by Department of Psychology



Quiz Organized by Department of Commerce and Management



Quiz Organized by Psychology Department



Open Book Test



Department of Biotechnology (Sample)



Case Study

THE ROLE OF WOMEN IN RURAL DEVELOPMENT, A CASE STUDY OF AMRITSAR, PUNJAB

A FIELD PROJECT

Submitted to
Department of Geography, St. Bede's College
[Session: 2024 to 2025]

Under the Supervision / Guidance of
[Dr. Pankaj Aashish, Head of Department]
St. Bede's College

By
Arpita Verma
(B.A GEOGRAPHY HONOURS 2nd YEAR, STUDENT)
Roll No. 12231350014

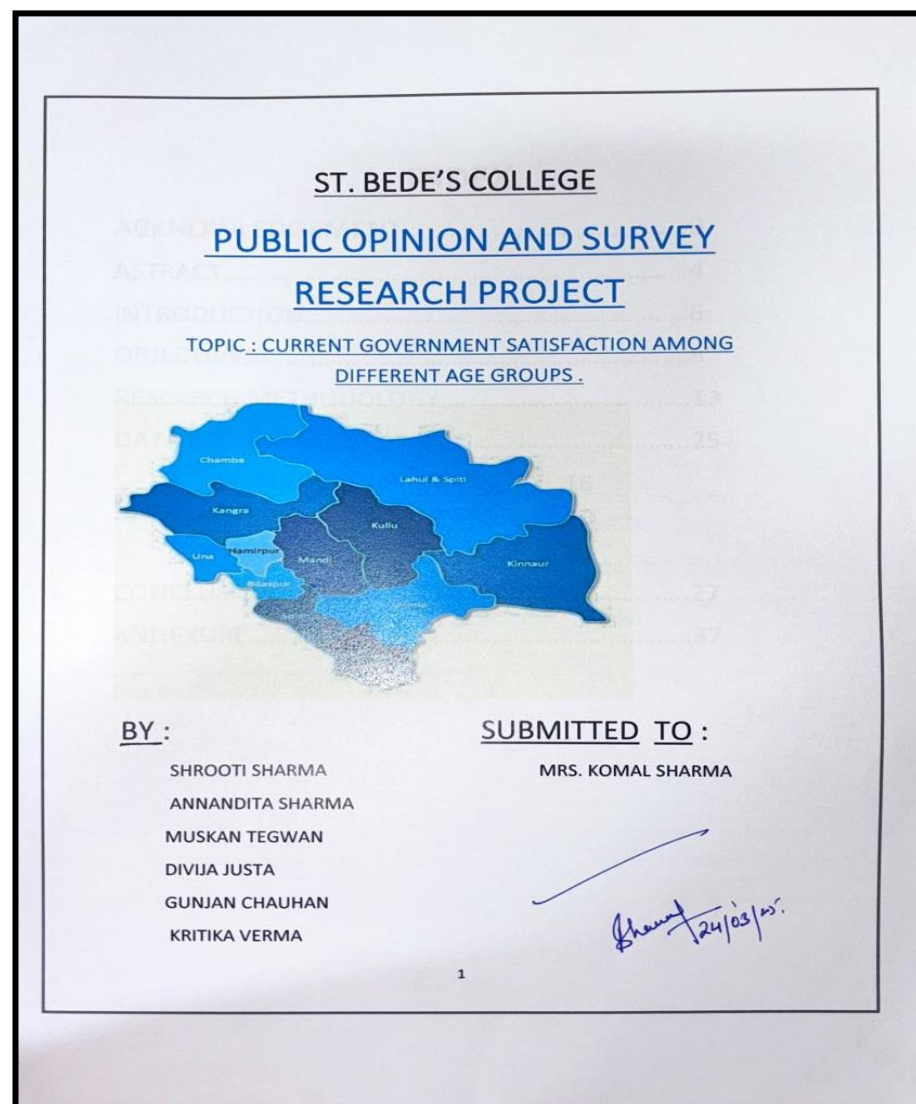


ST. BEDE'S COLLEGE
(Himachal Pradesh University)

SHIMLA

2024

Department of Geography





Critical Thinking/Brainstorming session

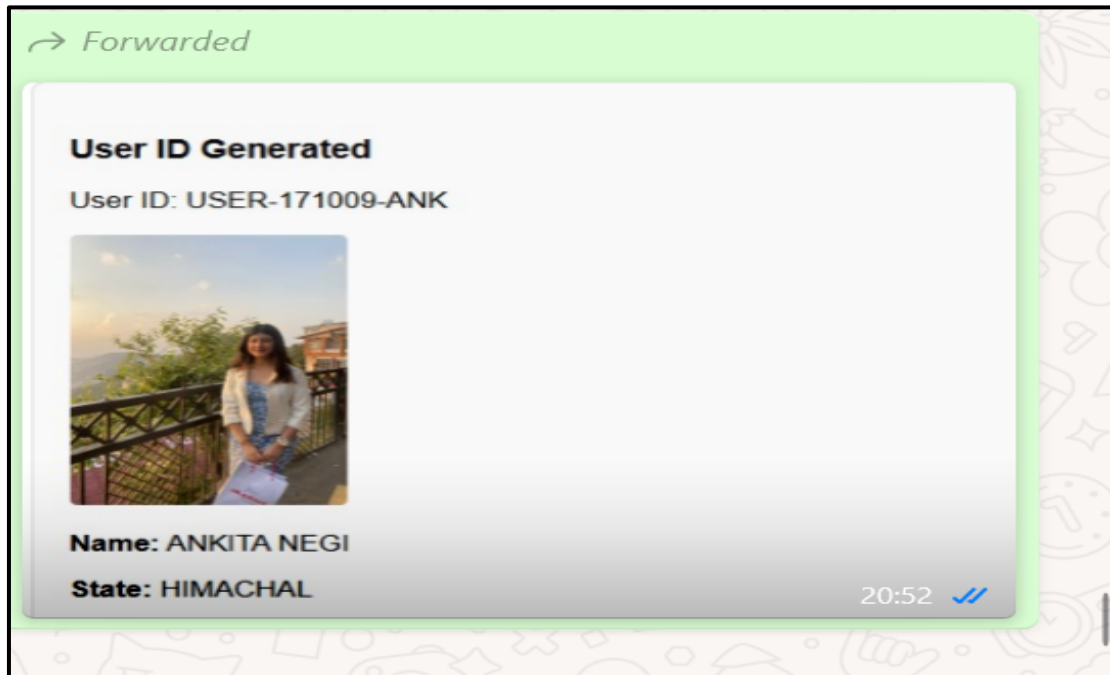


*Critical Thinking Through Inquiry-Based Learning: Examining Internal Structure of Pila;
Zoology Department*

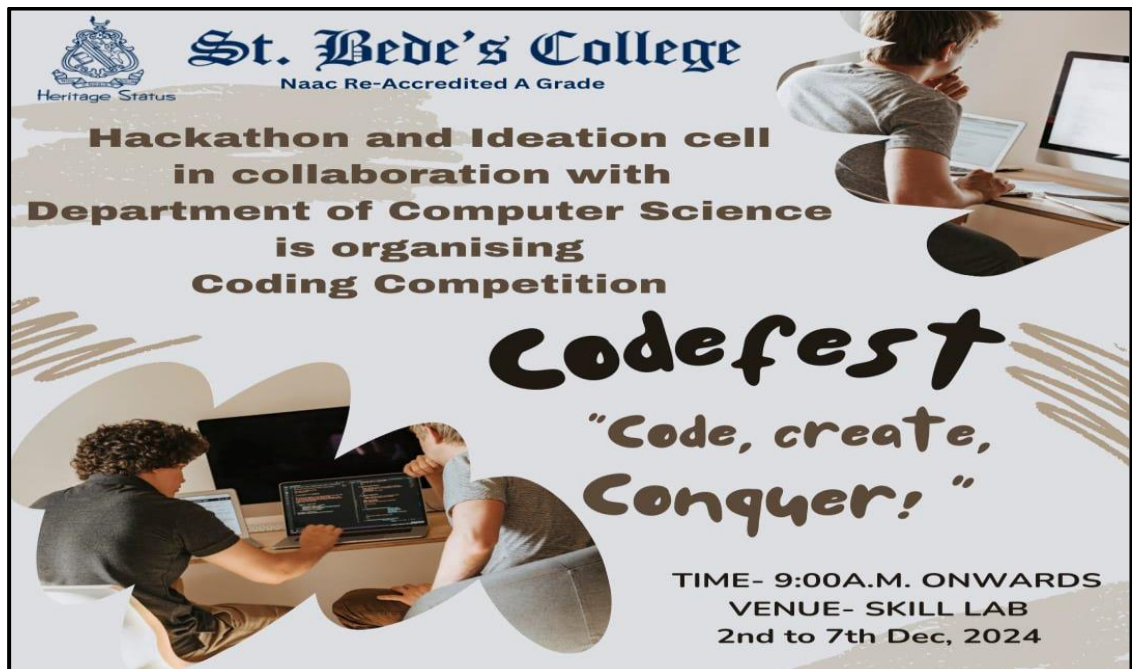
The screenshot shows a web browser window with multiple tabs. The active tab is titled 'Registration Form'. The address bar shows a file path: file:///C:/Users/hp/AppData/Local/Microsoft/Windows/INetCache/IE/GP5M7HYZ/it%20project{1}.html. The browser's address bar and tabs are visible at the top. The main content area displays a 'Registration Form' with the following fields:

- Name:
- Address:
- Date of Birth:
- State:
- District:
- Pincode:

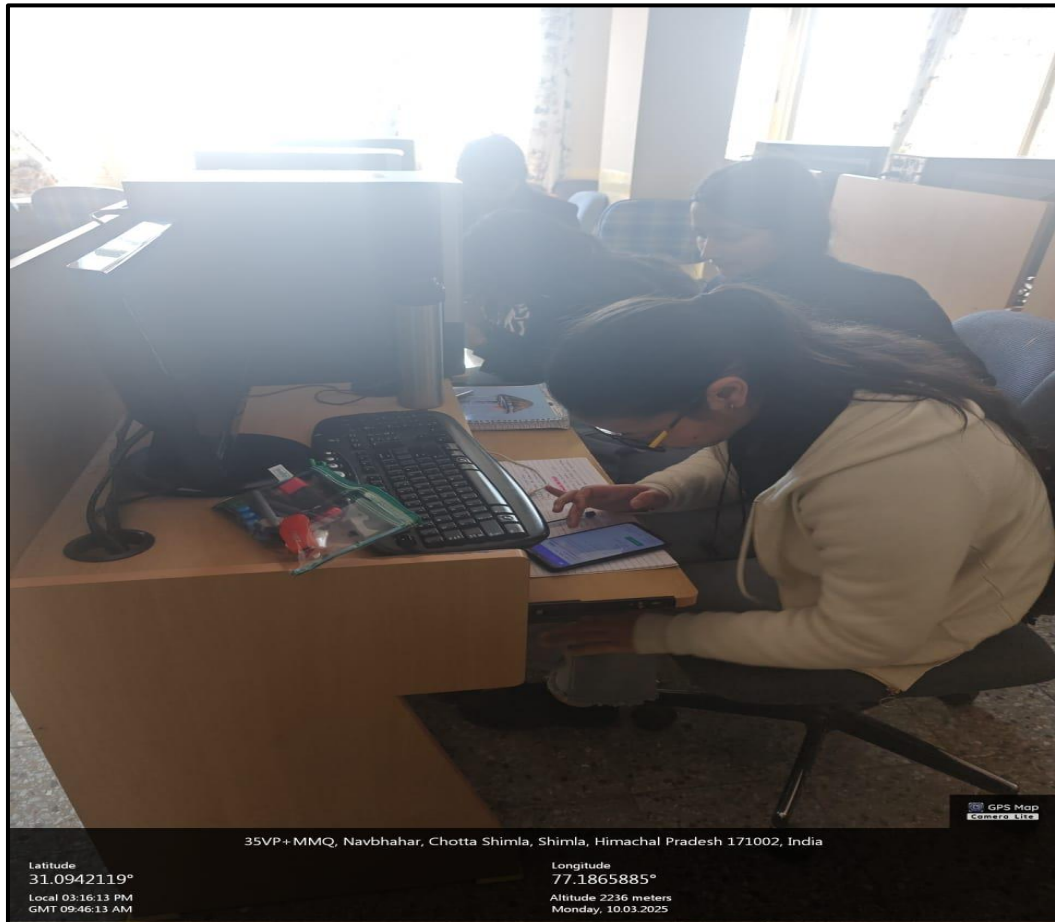
Critical Thinking Through Designing College Registration Form; Computer Science Department



Generation of ID Cards Using Registration Form ; Computers Science Department



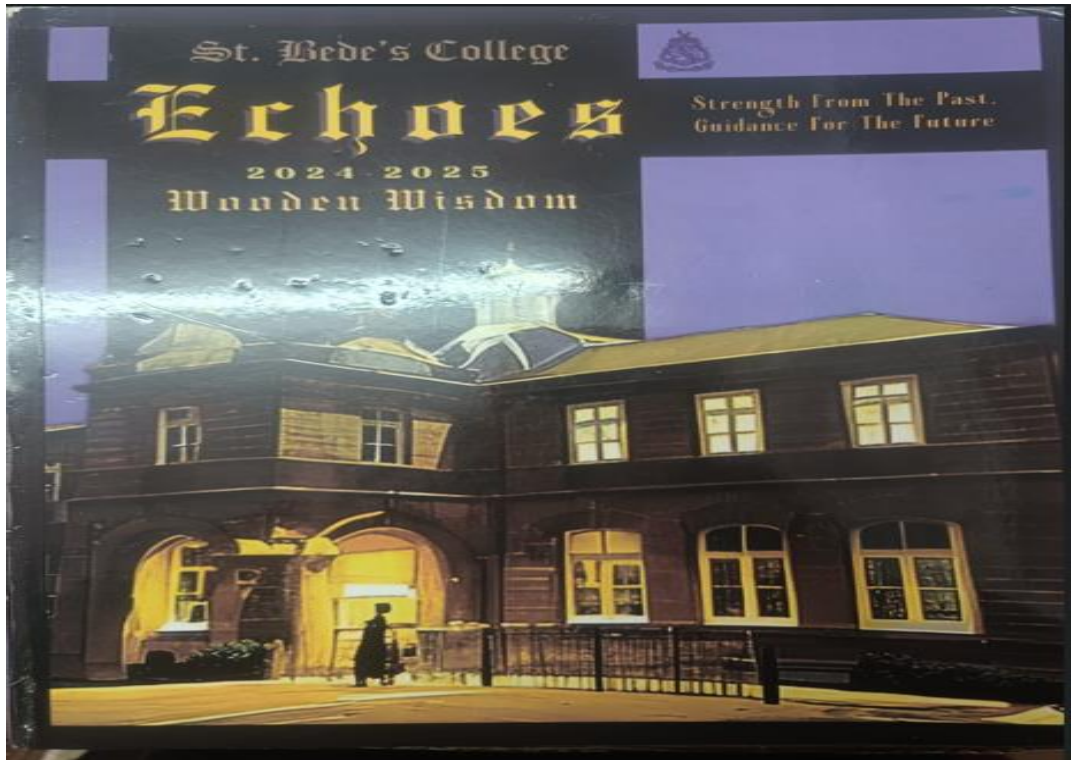
Coding Competition



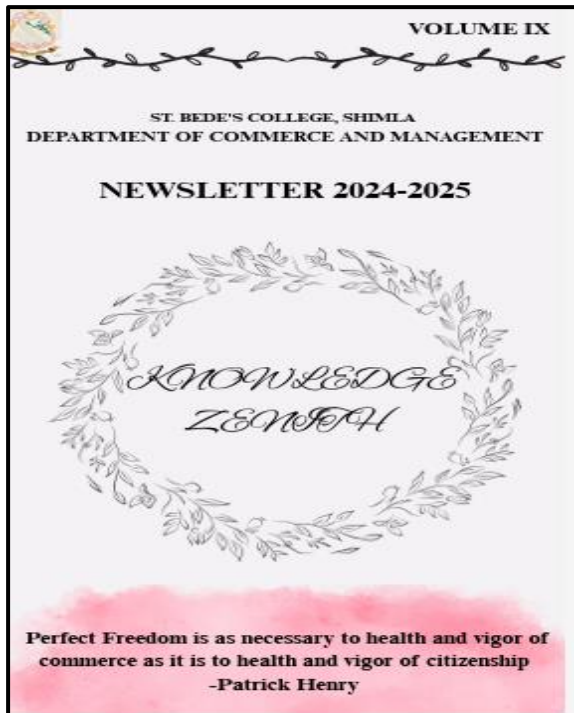
Critical Thinking Through Brain Stroming Session: Online Tests in Google Form



Creative Designing



College Magazine; Echoes



*Newsletter;
Department of Commerce and Management*



*Newsletter;
Department of Computer Science*





NEWSLETTER 2024-25 | VOL. XI

BEDEnomics


ST. BEDE'S COLLEGE, SHIMLA
DEPARTMENT OF ECONOMICS

THE ECONOMY OF HARAPPAN CIVILIZATION: A LEGACY OF TRADE AND INNOVATION

Ever since the existence of civilizations, humans have been trading to facilitate exchange. But trading can happen without coins also, by recording debt. It is debt that played an essential role in the creation of one of the earliest civilizations. The Harappan Civilization, also known as the Indus Valley Civilization (2600-1900 BCE), was one of the world's earliest urban cultures. This civilisation was built on a strong economic foundation driven by trade, agriculture, and craftsmanship. Archaeological evidence reveals a sophisticated economic system that influenced regional and long-distance commerce. The Harappans were highly skilled artisans, producing high-quality goods that fueled their economy. Some notable industries included pottery and ceramics, bead-making, metalwork, and textile production. These industries not only met local demand but also

sites, indicating a centralised system of trade and taxation. The presence of granaries suggests surplus food storage, possible for redistribution or trade purposes. The standardization of city layouts, including grid-patterned streets and advanced drainage systems, suggests economic planning and administrative control. Around 1900 BCE, the Harappan Civilization declined due to a combination of factors, including environmental changes, shifting river courses, and possibly declining trade with Mesopotamia. As agriculture suffered, urban centers were abandoned, leading to economic collapse. The Harappan Civilization's economy was an intricate system of agriculture, trade, industry, and governance. Its sophisticated trade networks and urban planning reflect an advanced economic model that influenced later civilizations. The archaeological remains of Harappan and Mohenjo-Daro provide valuable insights into one of the earliest examples of an organized economic system in human history.

Newsletter; Department of Economics



Zoology Dazz




Department of zoology
St. Bede's College

Zoology Highlights

THE DISCOVERY OF 866 NEW MARINE SPECIES

The Nippon Foundation-Nekton Ocean Census, the world's largest collaborative effort to accelerate the discovery of marine life, today announced the discovery of 866 new marine species. This is a significant step in advancing our understanding of ocean biodiversity, with discoveries expected to grow as the programme continues.

The identification and official registration of a new species can take up to 13.5 years—meaning some species may go extinct before they are even documented. To address this, The Nippon Foundation and Nekton jointly launched the Ocean Census in April 2023 to transform species discovery, accelerating the identification of marine life to close critical knowledge gaps before it's too late.



TURRIDRUPA MAGNIFICA – GASTROPOD


A marine gastropod discovered at 200–500m depths off New Caledonia and Vanuatu by Dr. Peter Stahlschmidt (University of Landau, Germany).

NEW OCTOCORAL

Found in the Maldives by Aishath Sarah Hashim & Aminath Nasath Shananan (Maldives Marine Research Institute) and Asako K Matsumoto (Chiba Institute of Technology; The University Museum, the University of Tokyo). There are only 5 known species of this genus.

RIDHIMA KASHYAP
BSC III YR

Newsletter; Department of Zoology




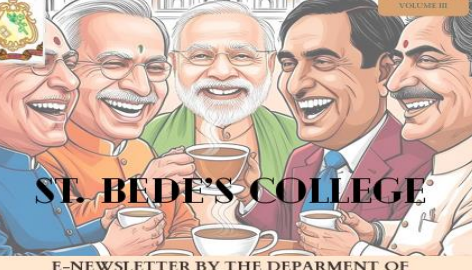


ST. BEDE'S COLLEGE

E-NEWSLETTER BY THE DEPARTMENT OF POLITICAL SCIENCE
2024-2025

SATIRE AND THE STATE

Where politics meets punchlines, satire holds a mirror to power, reflecting the absurd and challenging the ordinary. In India's vibrant democracy, satire is the voice that dares to question, critique, and provoke.



Newsletter; Department of Political science



NEWSLETTER

BEDE'S SPORTS PULSE

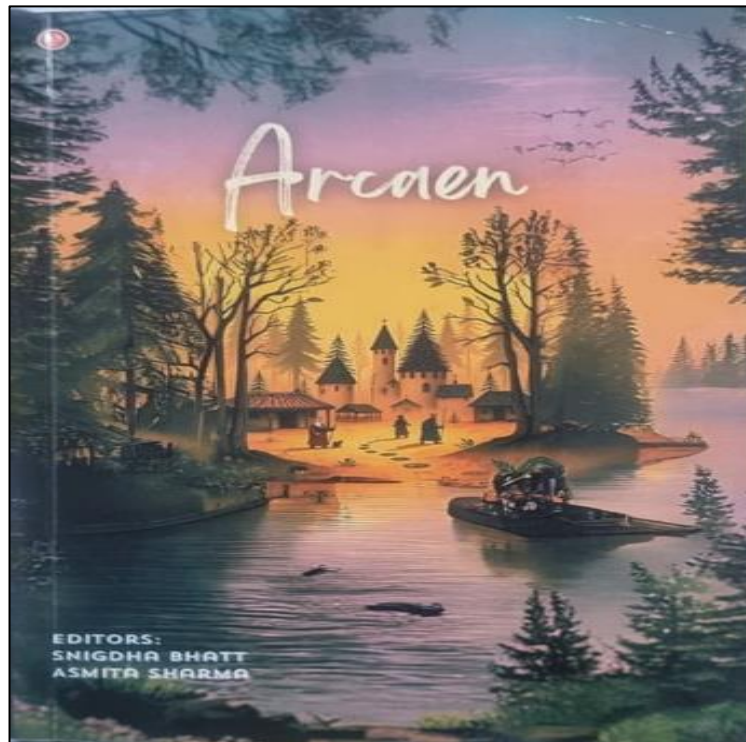
-Highlights-

- Articles
- Departmental Activities
- NSO Activities
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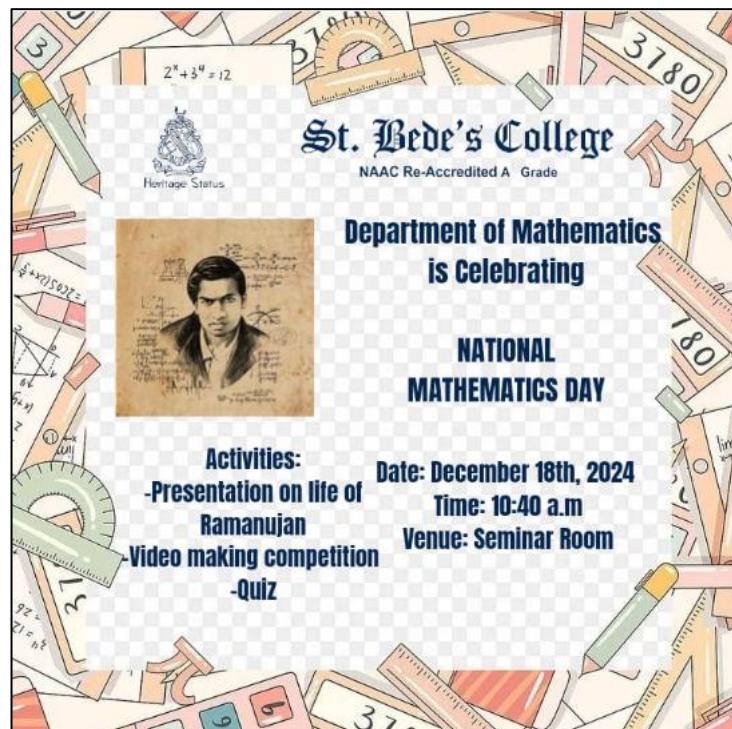
CITIUS, ALTIUS, FORTIUS

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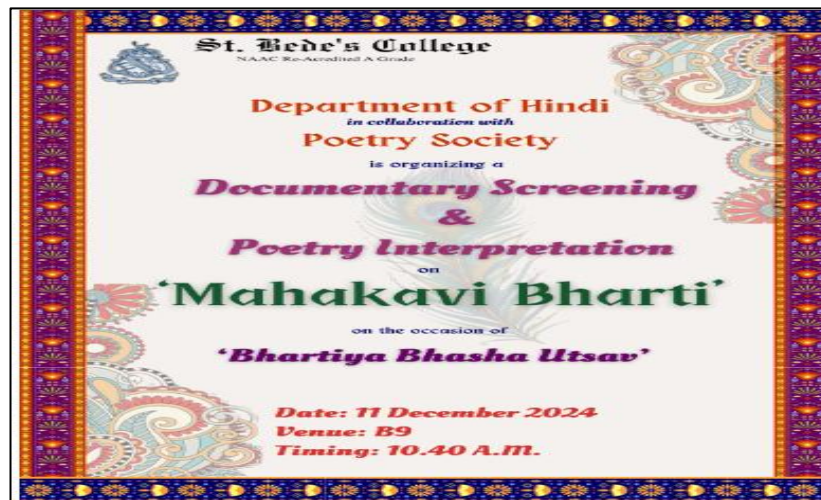
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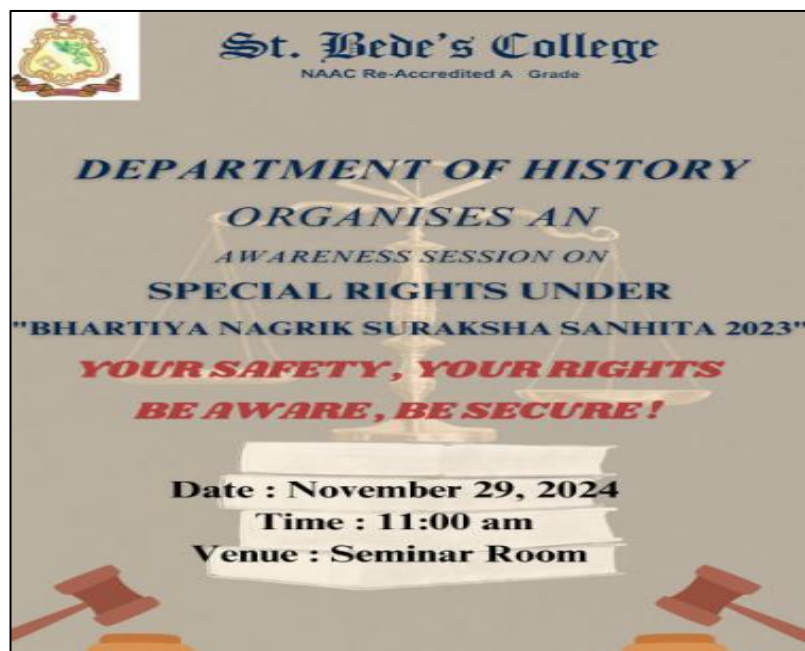
Book; English Department



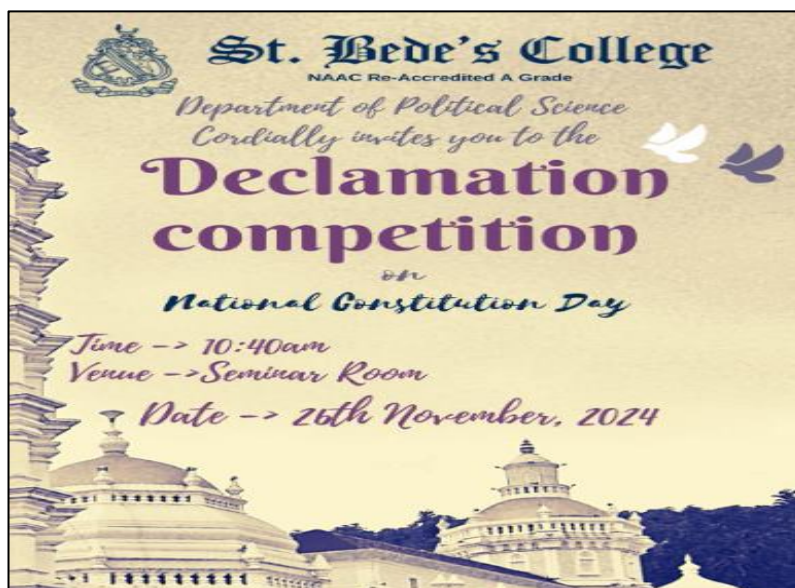
Brochure; Department of Mathematics



Brochure; Department of Hindi



Brochure; Department of History



Brochure; Department of Political Science



Brochure; Department of Botany





DEPARTMENT OF GEOGRAPHY
ST. BEDE'S COLLEGE
IS ORGANIZING
A CLEANLINESS CUM AWARENESS
DRIVE
ON THE OCCASION OF
WORLD OZONE
DAY

* DATE: 16 SEPTEMBER, 2024
* TIME: 2 PM ONWARDS
* VENUE: NAVBAHAR WARD, M.C. SHIMLA

Brochure; Department of Geography



Creative Writing

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Documentation of Folklores in the Form of Short Stories by the Students of English Department, Later Published in the Form of Book



केओथल इलाके की लोक कथा

हिमाचल प्रदेश के शिमला जिले में केओथल रियासत अपनी ऐतिहासिक विरासत और लोक कथाओं के लिए प्रसिद्ध है। यह क्षेत्र कभी एक स्वतंत्र रियासत था, जहाँ स्वामीय राजाओं का शासन था। यहाँ की लोक कथाएँ महाद्दी संस्कृति, रहस्यमयी घटनाओं और देवी-परियों की कहानियों से भरपूर हैं।

बहुत समय पहले, केओथल रियासत पर एक न्यायप्रिय और परोपकारी राजा शासन करता था। राजा का नाम वीर चंद्रसेन था। वह अपनी मजा से बहुत प्रेम करता था और हमेशा उनकी शलाई के लिए कार्य करता था। लेकिन राजा को एक चिंता थी - उनकी कोई संतान नहीं थी, जिससे राज्य का उत्तराधिकारी तय नहीं था।

राजा ने कई महिलाओं से शादी की, तपस्वियों से आशीर्वाद लिया, लेकिन कोई समाधान नहीं निकला। एक दिन, एक दिव्य संत उसके महल में आए। उन्होंने राजा से कहा, "राजन, तुम्हारी संतान प्राप्ति तभी संभव होगी जब तुम अपने राज्य में स्थित विभिन्न मुक्तों में तपस्या करोगे और वहाँ एक विशेष बलिदान दोगे।"

राजा ने संत के वचनों को गंभीरता से लिया और अपने विश्वसनीय दरबारियों के साथ मुक्तों की ओर चल पड़ा। वह मुक्तों के राजा ने संत के वचनों को गंभीरता से लिया और अपने विश्वसनीय दरबारियों के साथ मुक्तों की ओर चल पड़ा। वह मुक्तों के पास पहुँचा और वहाँ घोर तपस्या की। कई दिनों तक राजा ने बिना भोजन पानी के देवी की उपासना की। अंततः देवी प्रसन्न हुई और उन्होंने राजा को दर्शन दिए।

देवी ने राजा से कहा, "हे राजन! तुम्हें एक पुत्र रतन की प्राप्ति होगी, लेकिन एक शर्त है - यह बालक अठारह वर्ष का होता ही राज्य छोड़कर एक योगी बनेगा।" राजा ने संतान प्राप्ति की खुशी में यह शर्त स्वीकार कर ली। कुछ समय बाद, रानी ने एक सुंदर पुत्र को जन्म दिया, जिसका नाम अर्जुनसेन रखा गया।

राजकुमार अर्जुनसेन बड़ा होकर एक बहादुर, बुद्धिमान और दयालु युवक बना। जब वह अठारह वर्ष का हुआ, तो महल में अर्जुनसेन को जन्म देने वाली देवी की मूर्ति को जंगलों में अकेले चलते हुए देखा जाता, कभी वह घंटों तक किसी से बात किए बिना ध्यानमग्न रहता।

किर एक दिन, जब राज्य में एक बड़ा उत्सव मनाया जा रहा था, अर्जुनसेन अचानक अदृश्य हो गया। लोगों ने उसे बहुत खोजा, लेकिन उसका कोई पता नहीं चला। कुछ वृद्ध लोग कहते हैं कि उन्होंने उसी मुक्तों की ओर जाते देखा था। जब राजा ने वहाँ जाकर देखा, तो मुक्तों के अंदर एक दिव्य प्रकाश था और उसके केंद्र में अर्जुनसेन ध्यान में लीन था।

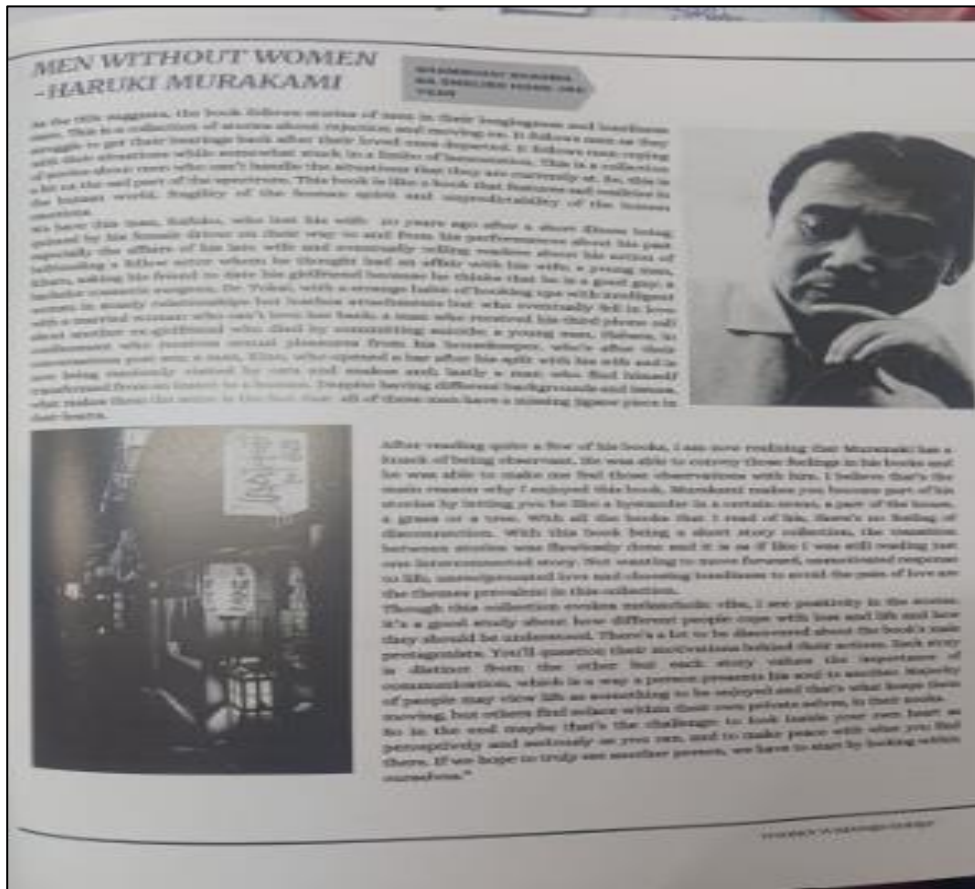
कहा जाता है कि अर्जुनसेन ने वहीं ध्यान लगातार योगी का रूप धारण कर लिया और अंततः स्वर्गलोक चला गया। इस घटना के बाद, केओथल रियासत में कई वर्षों तक शांति और समृद्धि बनी रही।

यह कथा केओथल की ऐतिहासिक और आध्यात्मिक विरासत को दर्शाती है। यह हमें बताती है कि कुछ लोग जन्म से ही विशेष उद्देश्यों के लिए होते हैं और उनके जीवन का मार्ग नियति द्वारा निर्धारित होता है। आज भी, केओथल के कुछ हिस्सों में अर्जुनसेन की गाथाएँ सुनाई जाती हैं और एक दिव्य आत्मा के रूप में पूजे जाते हैं।

शुश्री प्रियांशी ठाकुर
बी.ए. प्रथम वर्ष

05

Folk Tales by the Students



Book Review by the Students



Additional Problem Solving Techniques


Question Bank

प्रश्न बैंक

विषय - लोक साहित्य – DSC-1A[HIND-305]

- प्रश्न:1 लोक साहित्य से आपका क्या अभिप्राय है? लोक साहित्य को परिभाषित करते हुए उसका स्वरूप स्पष्ट करें।
- प्रश्न:2 लोक साहित्य के महत्व पर प्रकाश डालिए।
- प्रश्न:3 लोक साहित्य के विशिष्ट अध्येताओं का परिचय दीजिए।
- प्रश्न:4 लोक संस्कृति क्या है? लोक संस्कृति की अवधारणा को विस्तार से स्पष्ट कीजिए।
- प्रश्न:5 लोक संस्कृति व लोक साहित्य में अंतर बताइए।
- प्रश्न:6 लोक साहित्य के अध्ययन की प्रक्रिया पर प्रकाश डालिए।
- प्रश्न:7 लोक साहित्य के संकलनकर्ता में कौन-कौन से गुण अपेक्षित हैं? विस्तार से लिखिए।
- प्रश्न:8 लोक साहित्य के प्रमुख रूप लोकगीत का विस्तारपूर्वक विवेचन कीजिए।
- प्रश्न:9 लोक नाट्य से आपका क्या अभिप्राय है? लोक नाटकों के प्रकार एवं विशेषताओं पर प्रकाश डालिए।
- प्रश्न:10 लोककथा से आप क्या समझते हैं? लोक कथा की विशेषताएँ बताइए।
- प्रश्न:11 संस्कार गीतों से क्या अभिप्राय है? संस्कार गीतों का विस्तार से परिचय दीजिए।
- प्रश्न:12 भारतीय लोकनाट्य परंपरा का विस्तार से परिचय दीजिए।
- प्रश्न:13 हिंदी लोक नाट्य के विभिन्न रूपों का परिचय दीजिए।
- प्रश्न:14 लोकनाट्य के रूप में 'रामलीला' एवं उसके रंगमंच के विषय में विस्तार से लिखिए।

Department of Hindi

 Ms. Preeti Kaundal 18-04 01:25 pm

Dear students , I hope these objective type questions will help in your exam preparations.

Objective Type Questions: Botany

1. The plastid of the ____ bacterium was utilized to create the first recombinant DNA.

a) *Rhodospirillum rubrum*
b) *Cyanobacteria*
c) *Chlamydomonas reinhardtii*
d) *Escherichia coli*

Answer: *Rhodospirillum rubrum*

2. The term 'biotechnology' was coined by?

a) Har Gobind Khorana
b) Norman Borlaug
c) Kary Mullis
d) William Shatner

Objective Type Questions for Economic Botany

1. ____ is known as a king of spices?

Ans: Black pepper

2. ____ is known as a Queen of spices?

Ans: Cardamom

3. ____ is known as a Queen of herbs?

Ans: Turmeric

4. Inflorescence of wheat is known as?

Ans: Spike

5. Inflorescence of rice is known as?

Ans: Panicle

6. What types of rice are fully aromatic?

Department of Botany



Question Bank

(Department of Biotechnology)

Recombinant DNA Technology (RDT)

1. Which of the following is commonly used as a vector for introducing a DNA fragment in human lymphocytes?

- (a) X phage
- (b) Retrovirus
- (c) Ti plasmid
- (d) PBR 322

Answer: B

2. Which kind of therapy was given in 1990 to a four year old girl with Adenosine Deaminase deficiency (ADA)?

- (a) Gene therapy
- (b) Chemo therapy
- (c) Immunotherapy
- (d) Radiation therapy

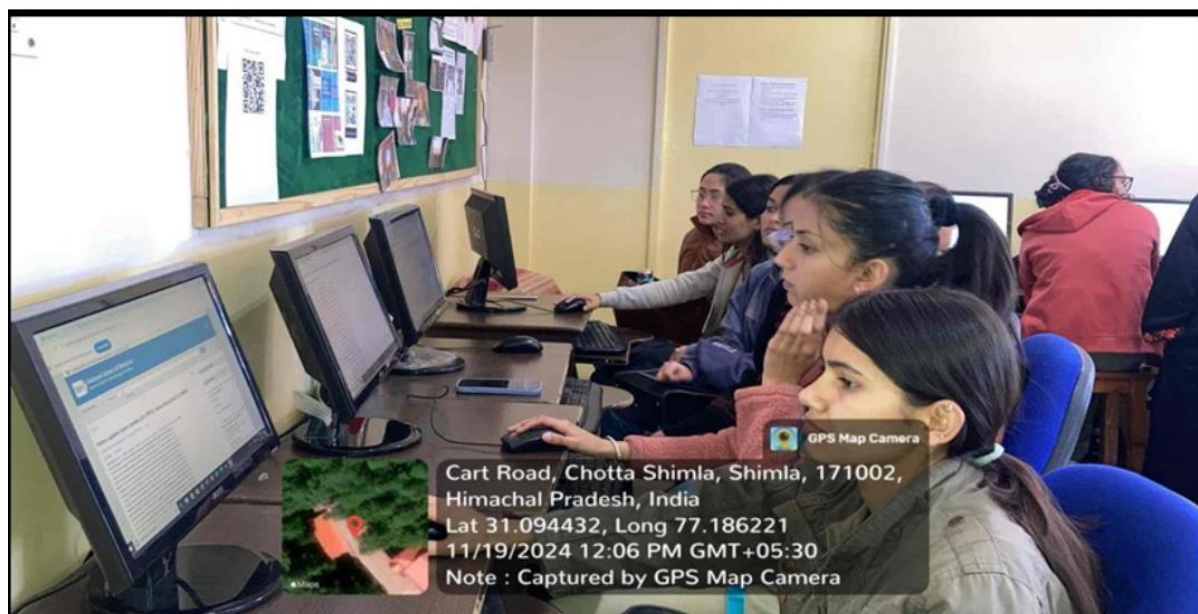
Answer: A

3. The two polypeptides of human insulin are linked together by _____

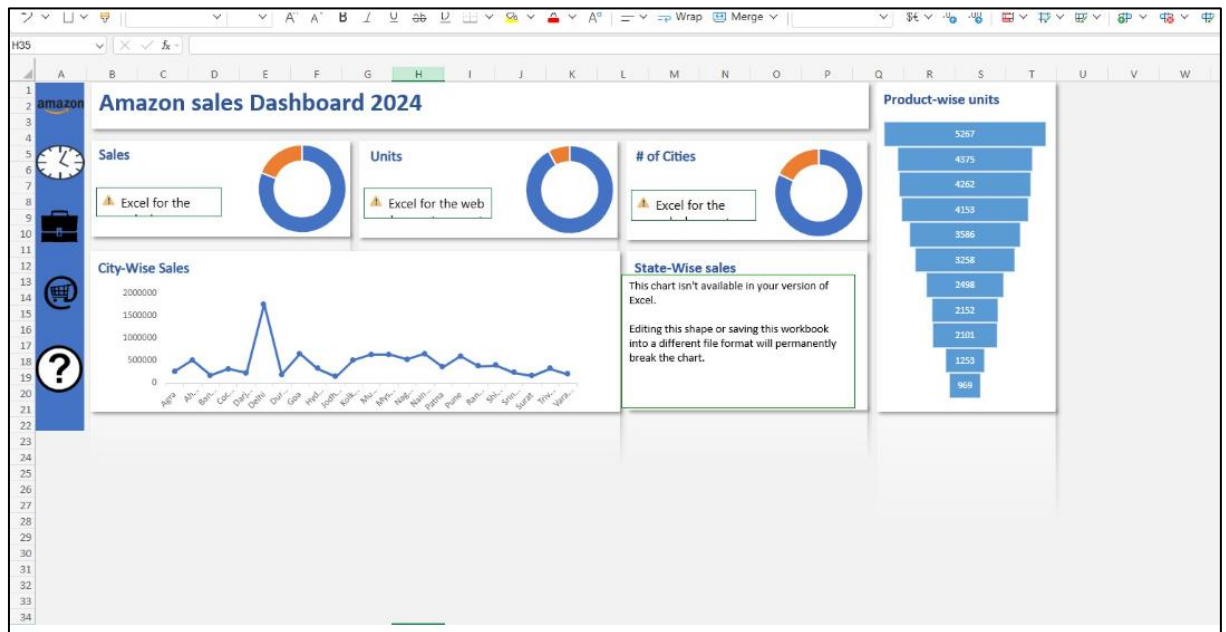
- (a) Phosphodiester bond
- (b) Covalent bond
- (c) Disulphide bridges
- (d) Hydrogen bonds

Answer: C

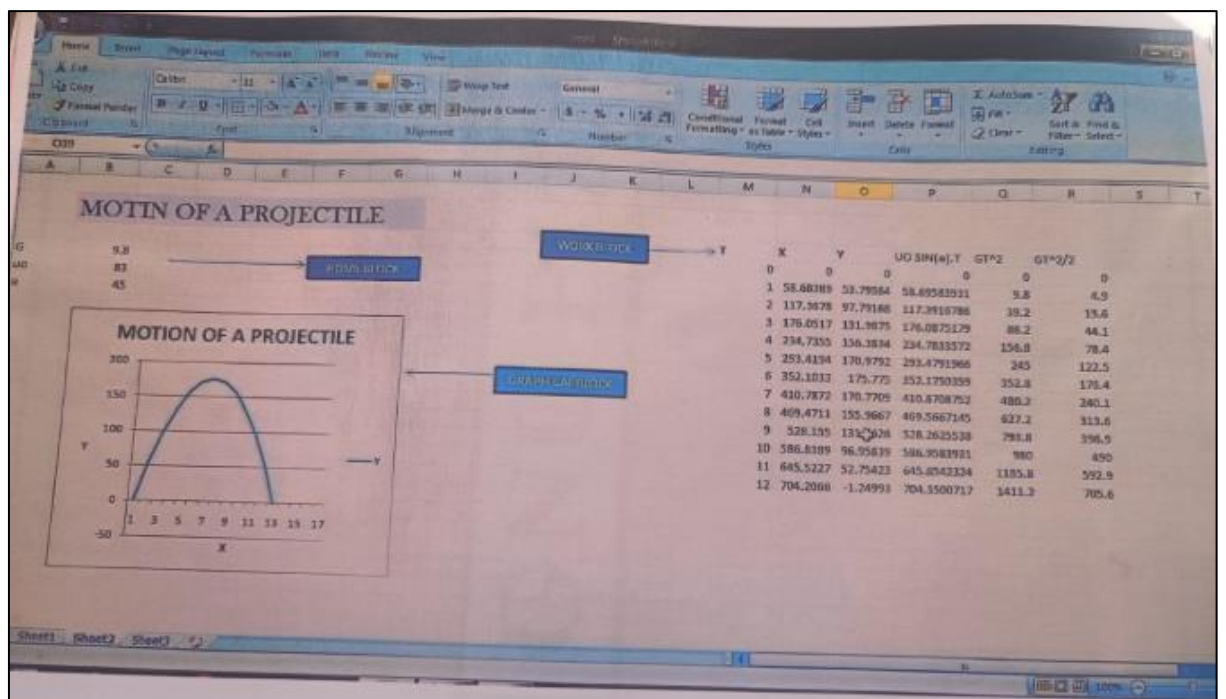
Department of Biotechnology



Problem Solving Through In Silico And In Vitro Experimentation; Department of Biotechnology



Charts Prepared by the Students about Amazon Sale in Excel; Computer Science Department



Students of Physics Department Showing Motion of Projectile in Excel



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H23

Transportation Problem Using Solver						
	D1	D2	D3	D4	Supply	
S1	19	30	50	10	7	
S2	70	30	40	60	9	
S3	40	8	70	20	18	
Demand	5	8	7	14	34	

	D1	D2	D3	D4	Out	Supply
S1	5	0	0	2	7	7
S2	0	2	7	0	9	9
S3	0	6	0	12	18	18
In	5	8	7	14		
Demand	5	8	7	14	Total Cost	743

Solving Transportation Problem Using Excel; Department of Mathematics