Annexure- C-1(1.2.3)

Curriculum Enrichment Practices (e.g. projects, surveys, educational tours and Industry Visit)

Projects and surveys are integral part of the curriculum for some specified subjects in the university guidelines. Physics PG students and f PG students of Zoology have to submit project reports as a part of their curriculum. In the project the have to carry out some research work which is examined by the external examiner from other institution/university. BA Geography students do conduct the surveys as per their curriculum design. Students of various faculty do organize Educational tours, BBA and BCA department each year visit industry to complete their projects 5th semester. They learn industry oriented new technologies in the industry/industrial tour.

Projects report submitted by students



M.Sc. Project Report

on

A Review on Potential Applications of Nickel – Titanium Shape Memory Alloy



Estd. 1994

Supervised By:

Dr. Rakesh Sharma (Assistant Professor)

Submitted By:

 Karitika Dhiman
 210040190009

 Neelam Devi
 210040190014

 Shubha Devi
 210040190029

 Rajat Sharma
 210040190021

 Ekant Thakur
 210040190008

 Vishal Datyal
 210040190033

Department of Physics
Swami Vivekanand Govt. College Ghumarwin
Distt. Bilaspur, Himachal Pradesh
(Affiliated by Himachal Pradesh University Summer Hill, Shimla-5)
Session 2021-2023
September 2023

DECLARATION BY STUDENTS

We hereby declare that the efforts taken in this work is only to collect the literature of the various authors entitled on "The study of the Least Cost Method in Mathematical Optimization for Unbalanced Transportation Problem". This is an authentic record of our work carried out for the session 2022-2024. The content present in this project work has not been submitted by us for the award of any other degree at this or any other university/institution.

(77222730021) (77222730016) (77222730032) (77222730037)	Nitifa Mamba Shalini Tarua
	(77222730016) (77222730032)

CERTIFICATE

This is to certify that the Project entitled "The study of the Least Cost Method in Mathematical Optimization for Unbalanced Transportation Problem." aimed at "Project purpose" was worked upon by the following students under my supervision in The Department of Mathematics, Swami Vivekanand Govt. College, Ghumarwin Distt. Bilaspur HP.

Nitika(77222730021) Mamta Sharma(77222730016) Shalini(77222730032) Taruna (77222730037) Tejal(77222730038)

> Supervised By: Vivek Kumar Assistant Professor

PROJECT REPORT On

The study of the Least Cost Method in Mathematical Optimization for Unbalanced Transportation Problem

SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE In MATHEMATICS

Submitted by: Nitika(77222730021) Shalini(77222730032) Tejal(77222730038)

MamtaSharma(77222730016) Taruna (77222730037)

Under the guidance of

VIVEK KUMAR
Assistant Professor Mathematics



Submitted to

Department of Mathematics

SWAMI VIVEKANAND GOVT.COLLEGE GHUMARWIN
DISTT.BILASPUR, HIMACHAL PRADESH
AFFILIATED TO HIMACHAL PRADESH UNIVERSITY SHIMLA

Session 2022-2024

CERTIFICATE

This is to certify that the Project Report entitled "CUSTOMER SATISFACTION IN MAHINDRA & MAHINDRA" for the award of the degree of Bachelor of Business Administration (BBA) from Swami Vivekanand Govt. Degree College Ghumarwin (H.P.), is a record of project report carried out by Ajay Kumar 6th Sem., Roll No-5210350003 under my supervision and guidance, no part of this report has been submitted to any other Degree/Diploma and this report may be taken for evaluation.

Signature of Guide:

Signature of Student:

Signature of Coordinator (BBA):

Date: 30/5/2024

Place: Ghumarwin

PROJECT REPORT On

"Customer Satisfaction In "Mahindra & Mahindra"

At Shimla Automobiles Pvt. Ltd. Ner Chowk Mandi H.P



SUBMITTED TO HP UNIVERSITY SHIMLA

In Partial Fulfillment of the Requirement for the Award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

SESSION 2023-2024

SWAMI VIVEKANAND GOVT. DEGREE COLLEGE

GHUMARWIN

SUBMITTED TO:

....

SUBMITTED BY:

Ajay Kumar Ajcuy BBA 6th Sem.

Univ. Roll No. 5210350003

A Project Report

On

CONSUMER PERCEPTION TOWARDS ONLINE SHOPPING IN AMAZON

SUBMITTED TO HP UNIVERSITY SHIMLA



In Partial Fulfilment of the Requirement for the Award of The Degree of BACHELOR OF BUSINESS ADMINISTRATION

SESSION 2023 - 24

SWAMI VIVEKANAND GOVT. DEGREE COLLEGE, GHUMARWIN

SUBMITTED TO:

MRS. RAJNI THAKUR

HOD BEA

SUBMITTED BY:

ABHAY THAKUR

BBA 6TH SEMESTER

UNI. ROLL NO.5210350001

CERTIFICATE

This is Certify that the Project Report "CONSUMER PERCEPTION TOWARDS ONLINE SHOPPING IN AMAZON" for the award of the degree of Bachelor of Business Administration (BBA) from Himachal Pradesh University, is a record of Project Report carried out by Mr. ABHAY THAKUR of BBA 6th Sem. Swami Vivekanand Govt. College, Ghumarwin, University Roll No. 5210350001, under my supervision and guidance, no part of this report has been submitted to any other Degree/Diploma and this report may be taken for evaluation.

Signature of Candidate

Signature of Guide

Signature of Coordinator (BBA)

Date: - 30/05/2024

Place: - Ghumarwin



DEPARTMENT OF PHYSICS S.V.G.C GHUMARWIN BILASPUR- 174021

Certificate

This is to certify that the dissertation entitled "A review of structural and electronic properties of Gadolinium pnictides", submitted by Anupama chandel, Tanisha Kumari, Hrishika Thakur, Tanupriya Sharma, Neha Thakur for the degree of M.Sc. (physics) to the Department of Physics, S.V.G.C Ghumarwin, Bilaspur as we carried out under my supervision. This is their group work and has not been submitted to any university or institute for the award of any degree.

Principal
Principal
Rein Krishan
Sh. Ram Krishan
Sh. Ram Krishan
Sh. Ram Krishan
Sh. Bilaspur (H.P.)

Gazzaper visor
S.V. Opr. Hansa Chouhan
Diet (Department of Physics)

A REVIEW OF STRUCTURAL AND ELECTRONIC PROPERTIES OF GADOLINIUM PNICTIDES

A DISSERTATION

Submitted for the award of degree of

MASTER OF SCIENCE

In the faculty of Physical Science of the

Himachal Pradesh University

Shimla-171005, India



EST-1994

Supervised By: Dr. Hansa Chouhan (Assistant Professor) Submitted By: Anupama Chandel Hrishika Thakur Neha Thakur Tanisha Kumari Tanupriya Sharma

DEPARTMENT OF PHYSICS SWAMI VIVEKANAND GOVERNMENT COLLEGE GHUMARWIN BILASPUR, HP-174021 SESSION (2022-24)

CERTIFICATE OF COMPLETION

This is to certify that students pursuing Master of Science in Mathematics, has successfully completed a project work on "Exploring Measure Theory, Measurable Sets, and Cantor Set" under the guidance and supervision of Prof. Lalit Sharma.

Throughout this project, the students have demonstrated a deep understanding of the fundamental concepts of measure theory, including measures, measurable sets, and Lebesgue measure. Additionally, the students have conducted a thorough investigation into the properties and construction of the Cantor set, exploring its significance in the context of measure theory.

The project work involved rigorous research, critical analysis, and the application of advanced mathematical techniques. The students have exhibited commendable dedication, analytical skills, and a strong grasp of theoretical concepts in producing this comprehensive study.

Based on the quality of the project work and the depth of understanding displayed, it is my pleasure to award this certificate to following students, acknowledging their successful completion of the project on "Exploring Measure Theory, Measurable Sets, and the Cantor Set."

NAME (UNIVERSITY ROLL NO.): -

Akriti Thakur (77222730001)

Deeksha (77222730007)

Poonam Thakur (7722273002

Priyanshu (77222730023)

Yashu Thakur (77222730040)

Prof. LALIT SHARMA

falit Shane

Department of Mathematics

Swami Vivekanand Government College

Ghumarwin - 174021 (Himachal Pradesh)

EXPLORING MEASURE THEORY, MEASURABLE SETS AND CANTOR SETS

A PROJECT

SUBMITTED TO THE SWAMI VIVEKANAND GOVERNMENT DEGREE COLLEGE,
GHUMARWIN IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE OF

MASTER OF SCIENCE

IN

MATHEMATICS

(2022-2024)



EST-1994

SUPERVISED BY:

Prof. LALIT SHARMA

(Assistant Professor)

SUBMITTED BY:

Akriti Thakur (77222730001)

Deeksha (77222730007)

Poonam Thakur(77222730022)

Priyanshu (77222730023)

Yashu Thakur (77222730040)

CERTIFICATE



EST-1994

This is certified that Akshay Sharma and Sahil Dhiman students of BCA 6th SEM at SWAMI VIVEKANAND GOVERNMENT COLLEGE GHUMARWIN completed their project entitled "ATTENDANCE MANAGEMENT SYSTEM" under my supervision and guidance in the academic year 2023-2024. This project fulfilled the requirements prescribed by "HIMACHAL PRADESH UNIVERSITY" for the said course. It is further certified that the work done in this project is our candidate's efforts and have not been submitted to any organization in any manner.

Er. Amar Park

(Project Guide)

Department of BCA/PGDCA

Dr. Surya Kant

(Coordinator)

S.V.G.C GHUMARWIN

HIMACHAL PRADESH UNIVERSITY



Project Report On

"ATTENDANCE MANAGEMENT SYSTEM"

In partial fulfillment of the requirement for the award of

BACHELOR IN COMPUTER APPLICATION (SESSION-2023-2024)

Swami Vivekanand Govt. College

(Affiliated to Himachal Pradesh University) Ghumarwin Distt. Bilaspur Himachal Pradesh

Submitted To: -

Er. Amar Paul Singh

Department of BCA/PGDCA

Submitted By: -

Akshay Sharma-6210350004

Sahil Dhiman-62103500040

Survey Report submitted by student:

HIMACHAL PRAD	CHSIL-GHUMARWIN, ESH: A GEOGRAPHICA	
A FIELD BASED S PARTIAL FULFI	STUDY REPORT SUBMIT LMENT FOR THE DEGRE GEOGRAPHY	EE OF BA IN
SUBMITTED TO:-	Submitted by:-	
DEPARTMENT OF GEOGRAPHY SUPERVISED BY:- PROF. ANIL JAMWAL PROF. BACHAN SINGH	NAME ANSHUMAN KUMAR RANA ANCHAL RANA KOMAL KUMARI SITA KUMARI DEEKSHA SHARMA AMAN THAKUR	1210350026 1210350022 1210350036 1210350069 1210350028 1210350020
DEPARTMEN	IT OF GEOGRAPHY, SVGC G	HUMARWIN(H.P.)

[CERTIFICATE]

It is certified that Anshuman Kumar Rana, Anchal Rana, Komal Kumari, Sita Kumari, Deeksha Sharma, Aman Thakur has been enrolled the topic: "Appraisal report of development in village-Bum, Tehsil- Ghumarwin, Distt. Bilaspur (H.P.)" Survey based project report for the degree of B.A. in Geography and this a Bonafide work which is hereby for forwarded for the evaluation by the examiner.

Anil Jamwal

Associate Prof

Bachan Singh

Associate Prof.

HIMACHAL PRADESH UNIVERSITY



PROJECT REPORT
ON
QUICK CARS

In partial fulfilment for the award of the degree of

BACHELOR OF COMPUTER APPLICATION SWAMI VIVEKANAND GOVT. COLLEGE GHUMARWIN

Session - 2021-2024

Submitted By:

Submitted To:

Arif Rawal

Prof. Priyanka Dhiman

Shubham Kumar

(Dept. of BCA/PGDCA)

Abhishek Sharma



DEPARTMENT OF BCA/PGDCA SWAMI VIVEKANAND GOVT.COLLEGE GHUMARWIN,HIMACHAL PRADESH

CERTIFICATE

This is certified that Arif Rawal, Shubham Kumar, Abhishek Sharma students of BCA at Swami Vivekanand Govt. College Ghumarwin completed their project entitled "Quick Cars" under my supervision and guidance in the academic year 2023-2024.

This project fulfilled the requirement prescribed by "HIMACHAL PRADESH UNIVERSITY" for the said course.

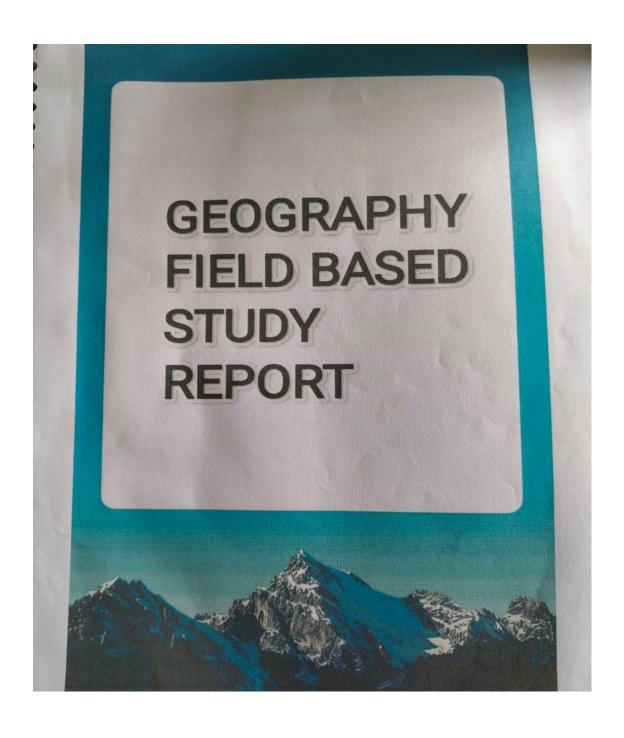
It is further certified that the work done in this project is our candidate's efforts have not been submitted to any organization in any manner.

Prof. Priyanka

(Project Guide)

Prof. Surya Kant

(Coordinator of BCA/PGDCA)



POPULATION DISTRIBUTION AND CUITURAL ASPECTS

A Case Study of Village Dohag The Jejwin

DISTT Bilaspur (HP)

Field base study report submitted to the Partial fulfillment for the degree of

B.A IN GEOGRAPHY

Supervised by:

Anil jamwal Astt. Professor

Submitted by:

Name Roll no.

Preeti sharma 1210350049

Anjali rana
 1210350023

Priya soni
 1210350052

• Shivani 1210350067

• Shiyanshu 1210350068

Saksham 1210350062

Himanshu jaswal 1210350029

DEPARTMENT OF GEOGRAPHY S.V.G.C
GHUMARWIN DISTT. BILASPUR(H.P)

VISION / PROSPECTS OF SCHOOL IN HIMACHAL PRADESH WITH PROFESSIONAL APPROACH

A CASE STUDY OF GOVTGIRLS SR. SEC. SCHOOL GHUMARWIN

School Based Study Report Submitted In Partial Fulfilment Of Degree B.A. With Geography.

Supervised By:

Prof. Anil Jamwal

Prof. Bachan Singh

SUBMITTED BY:

NAME	ROLL NO.
ANJNA	1210350024
SITAL	1210350070
VISHALI	1210350078
RANJANA	1210350057
MANISH SHARMA	1210350040
SOURBH SHARMA	1210350072
VISHAL DHIMAN	1210350349
SAKSHAM THAKUR	1210350347

Submitted To:

Department Of Geography S.V.G. Ghumarwin (H.P.)

CERTIFICATE

This is to certify that the Project entitled "Enhancing Operational Efficiency: The study of Hungarian Method and A new approach in Mathematical Assignment Problem" aimed at "Project purpose" was worked upon by the following students under my supervision in The Department of Mathematics, Swami Vivekanand Govt. College, Ghumarwin Distt Bilaspur HP.

Vaishali Rao (77222730039) Rupali Thakur (77222730026) Shivani Thakur (77222730034) Kirti (77222730014) Sarika Sharma (77222730030)

Supervised By:

Vivek Kumar Assistant Professor

PROJECT REPORT

On

Enhancing Operational Efficiency: The study of the Hungarian Method and A new approach in Mathematical Assignment Problem.

SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF THE

DEGREE OF

MASTER OF SCIENCE

In

MATHEMATICS

Submitted by:

Vaishali Rao (77222730039) Shivani Thakur (77222730034) Sarika Sharma (77222730030) Rupali Thakur (77222730026) Kirti (77222730014)

Under the guidance of VIVEK KUMAR
Assistant Professor Mathematics



Submitted to

Department of Mathematics
SWAMI VIVEKANAND GOVT.COLLEGE GHUMARWIN
DISTT.BILASPUR, HIMACHAL PRADESH
AFFILIATED TO HIMACHAL PRADESH UNIVERSITY SHIMLA
Session 2022-2024

Certificate

This is certified that students of M.sc Zoology have completed the project on the VACCINATION DRIVE IN PREGNANT WOMEN AND INFANTS under the guidance of Prof. Jyoti Guleria during year 2022-2024.

RAKESH

Associate Professor Gazetted-1

S.V. Govt. : marwin, Distt. Bilaspur (n.r.)

S.V. Gott College Ghumarwin Distt. Bildspur (H.P.)

CERTIFICATE OF COMPLETION

is to certify that students pursuing a Master of Science in Zoology, has successfully completed a project work on " WILD MAMMALS" under the guidance and supervision of Prof. Jyoti Barwal.

Throughout this project, the students have demonstrated a deep understanding of the importance of wild mammals. Additionally, the students have conducted a thorough investigation on conservation challenges, adaptations and their behaviors

The project work involved rigorous research, critical analysis, and the importance of wildlife. The students have exhibited commendable dedication, analytical skills, and a strong grasp of theoretical concepts in producing this comprehensive study. This

Based on the quality of the project work and the depth of understanding displayed, it is my pleasure to award this certificate to following students, acknowledging their successful completion of the project on "Wild Mammals".

NAME (UNIVERSITY

ROLL NO.) - Neha

(81222730025)

Rijul (81222730026)

Rishita Sharma (81222730027)

humarwin,

Haspur (H.P.)

Prof. JYC J. BARWAL[Department of Zoology] Swami Vivekanand Government College

Ghumarwin-174021(Himachal Pradesh)

STUDY OF VACCINATION DRIVE IN PREGNANT WOMEN AND INFANTS

A PROJECT REPORT

Submitted to Swami Vivekanand Govt.Utkrisht College, Ghumarwin in partial fulfilment of the requirement for the degree of

MASTER OF SCIENCE IN ZOOLOGY (2022-2024)



Submitted by:

Prof. Rakesh Chandel

Prof. Jyoti Barwal

Submitted To:

Manisha(81222730016)

Manjeet(81222730017)

Manu kumari(81222730018)

Department of zoology

Swami Vivekanand Govt. Utkrisht College Ghumarwin

Affiliated to H.P University, Summer Hill, Shimla 171005

STUDY OF WILD MAMMALS OF HP

A PROJECT REPORT

Submitted to the Swami Vivekanand Govt. College,
Ghumarwin in partial fulfilment of the requirement for the
degree of

MASTER OF SCIENCE IN ZOOLOGY

[2022-2024]



SUBMITTED TO:

Rakesh chandel [Assistant Professor]

Jyoti Barwal [Assistant Professor]

SUBMITTED BY:

Neha: 81222730025

Rijul:81222730026

Rishita: 81222730027

Department of Zoology Swami Vivekanand Govt. Utkrisht College,Ghumarwin Affiliated to H.P. University, Summer Hill, Shimla,171005 M.Sc. Project Report On

Nanoparticles And Synthesis Of ZnO

Nanoparticles



Supervised by College Prof. : Avneesh Kumar

Submitted by:

Sripujan

(200040190190026) 73

Priyanka

(200040190060002) 74

Yashika

(200040190060004) 76

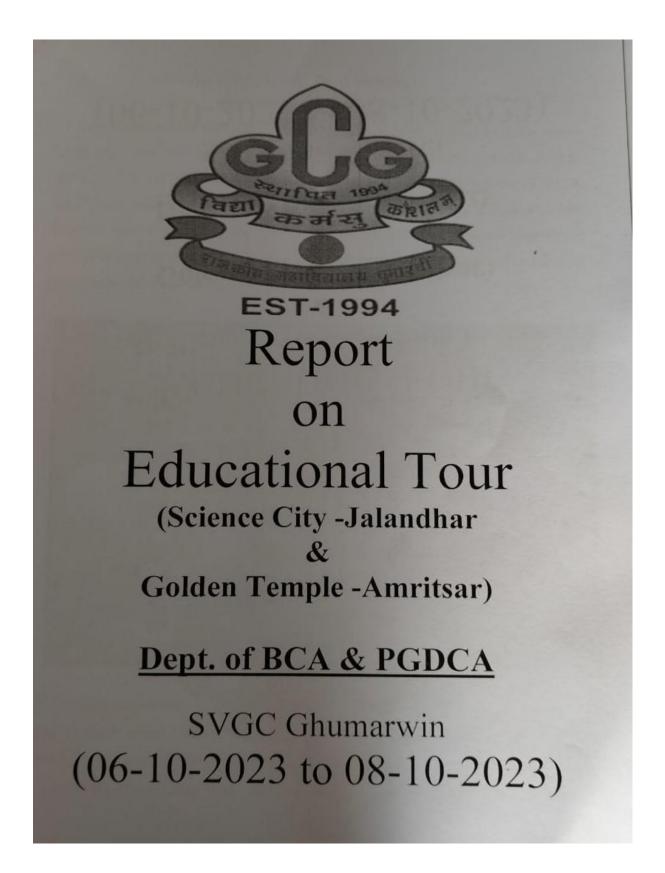
Vishal kumar

(200040190190028) 13

Physics Department

Govt. College Ghumarwin

(Affiliated to Himachal Pradesh University Shimla)



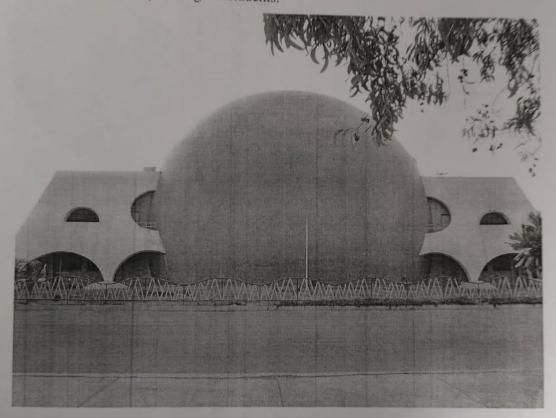
An Educational Tour Report

Two days educational trip was organized by Department of BCA/PGDCA under HEIS of Swami Vivekanand Govt College -Ghumarwin Bilaspur on Oct 6, 2023 to Oct 8,2023 to visit Science City Jalandhar. The tour comprised students of B.C.A 1,3,5th Sem accompanied by faculty members, Mr. Amar Paul Singh and Ms. Priyanka from Deptt. Of BCA/PGDCA. All the students were directed to gather at college campus at 9:30AM. Principal of the college Prof. Ram Krishan Ji wished all the students best and safe journey.



We started our journey at 10 O'clock with *Khan Bus Service* and reached at 05:30 PM at the location Golden Temple-Amritsar. Tea and snacks were served to all students in Langar Hall. After that all students along with faculty members were taken to the site, (Jalian Wala Baag) and Baba deep Singh Gurudwara sahib. We

stayed at Amritsar. In the next day (07/10/2023) we move to science city Jalandhar. The purpose of visit is to promote and enhance students understanding of the culture of science and technology, to supplement science education given in colleges and to organize various out of college educational activities to foster a spirit of scientific enquiry and creativity among the students.



The trip to science city was a wonderful experience with full of knowledge of Science, Maths, Biological and much more, making science simple and interesting. A visit to an Auditorium II, Beyond Planet Earth Museum, IMAX 3d Movie, Hall of Space, Hall of Science, Mars ride etc was very exciting for students and really helps them understanding basic science. It was just a Complete and Knowledgeable trip. We departed at 4:00 PM form there to Ghumarwin. We all had safe and enjoyable journey with lots of information.

this visit, around 50 students visited Science City along with 2 faculties of SVGC-Ghumarwin. Event Organizer: -Verified by: Dr Suryakant Mr.Amar Paul Sing Coordinator BCA/PGDCA Ms.Piyanka
Dept of BCA/PGDCA Principal SVGC-Ghumarwin

Industry visit Level - 8 &7 Student

Press News. 24. Sept 2023 Number of Students = 5



स्वामी विवेकानंद राजकीय महाविद्यालय घुमारवीं के विद्यार्थी श्री नयना देवी में माला के

दर्शन करने के बाद। ब सीजन्य पाठक घुमारकीं : स्वामी विवेकानंद राजकीय महाविद्यालय घुमारकीं में शानिवार को बी वाक हास्पिट लिटी एंड दुरिज्म के विद्यालयों ने मयूर होटल नयना देवी का औन्त्रांगिक धुमांग किया। इस में के वेजिक दिलीय वर्ष व वृतीय में काम होटल प्रवंधन साथ ही हमार अंग्री का न्यान्यमा

देवी के दर्शन किए व माता नयना हैवी के इतिहास के बारे में भी जानकारी अर्जित की। इस कार्यक्रम अयोजन महाविद्यालय के प्राचाय प्रोफेसर सम कृष्ण, बीवाक के साधिव प्रोफेसर हैं सीताराम की अनुभति से सपन हुआ। बीबाक के प्रोफेसर राजीव चीहाम व तैब अटरेज विशाल जीमरा छहाँ छाजाओं के साथ मीजूद रहें। (संस्कृत) To, The Principal, SVGC Glumarum, Glumarwin, Buluspur Alde

Subject +> Regusting permission for Industrial unsit to Store Num Deni.

Respect, 9 an organizing Industrial word for HRT

Level - 4 8 dudents on 29/9/2023 to Bree Name D

9 also required one made and one Jemale Staff alonged

Hudents. Kindly approve my Industrial Wikit for tome?

9 Shall be wery transport you.

Thanking you:

Your's Sincerely, Rapel Kurnors HAT Levelty Trainer

A Report

on

Industrial Visit

Organized by Dept. Of Management

at

TIMES OF INDIA, PANCHKULA & SPACE WINDOW, MOHALI

> Dept. of Management **SVGC Ghumarwin** 18-19December, 2023

Report Created b

Prof. Rajni Thakur

Dr. Ravi Kumar

Prof. Bharti

Dept. of Management

Verified by:

Prof. Anil Jamwal

Co-ordinator BBA

Dr. Suresh Sharma

S.V. Govt, Degree College Ghumarw Rroncipalpur (H.P.)

Prof. Ram Krishan **SVGC Ghumarwin**