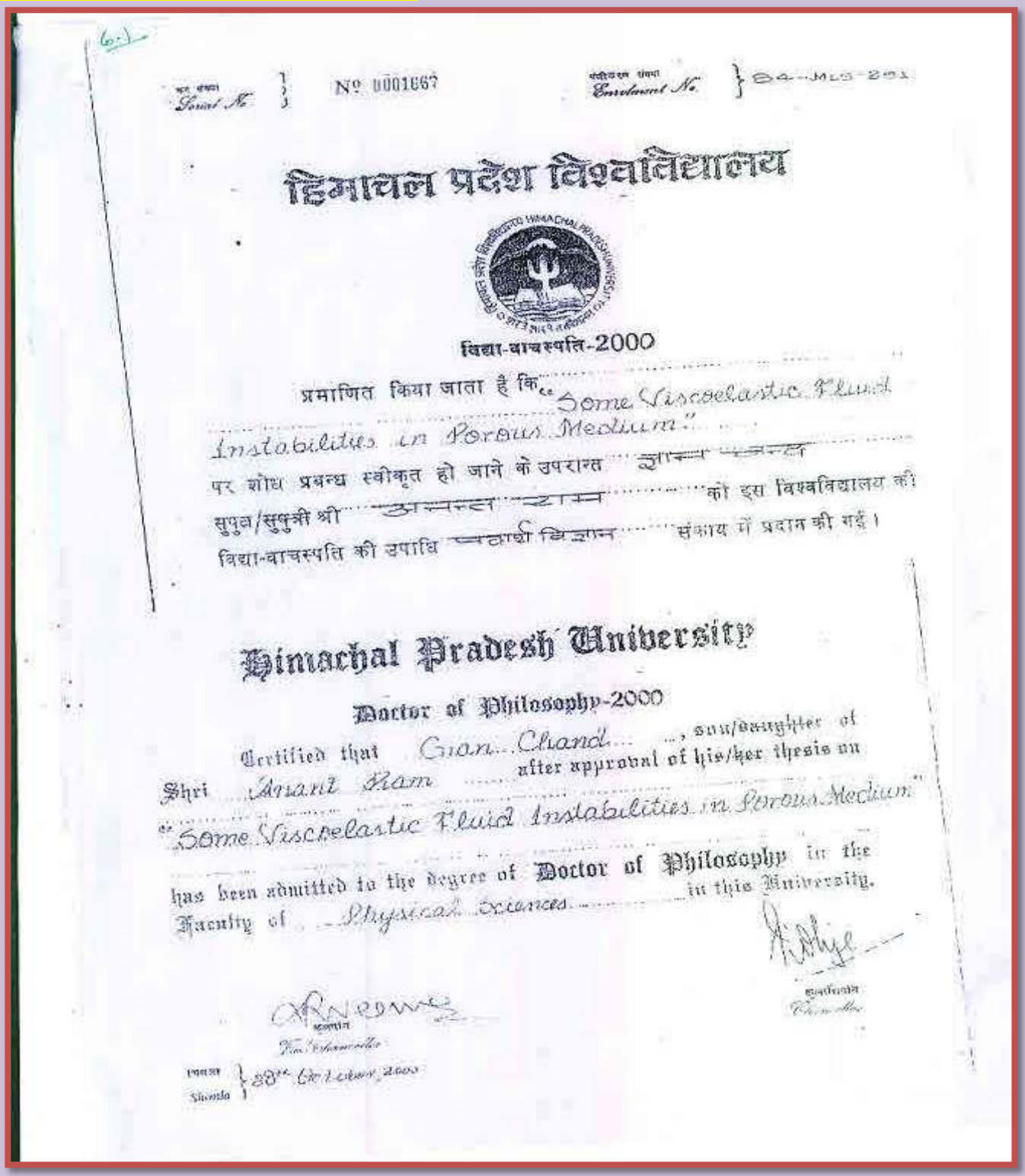
6. Faculty Profile & Research Activities

6.1 % of Teachers with Ph. D. : 62.50%

Total no. of teachers including Principal : 08

Toatl no of teachers with Ph.D : 05



हिमाचल प्रदेश विश्वविद्यालय

विद्या-वाचस्पति-2000

प्रमाणित किया जाता है कि "Some Viscoelastic Fluid Instabilities in Porous Medium" पर शोध प्रबन्ध स्वीकृत हो जाने के उपरान्त ..... को इस विश्वविद्यालय की सुपुत्र/सुपुत्री श्री ..... विद्या-वाचस्पति की उपाधि ..... संकाय में प्रदान की गई।

Himachal Pradesh University

Doctor of Philosophy-2000

Certified that Gian Chand ..., son/daughter of Shri Arjani Ram ..... after approval of his/her thesis on "Some Viscoelastic Fluid Instabilities in Porous Medium" has been admitted to the degree of Doctor of Philosophy in the Faculty of Physical Sciences in this University.

28th October 2000

क्रम संख्या Serial } No 0002601 पंजीकरण संख्या Enrolment No. } 9A:GDN:166.

हिमाचल प्रदेश विश्वविद्यालय

HIMACHAL PRADESH UNIVERSITY

शास्त्रे गास्त्रे च कौशलम्

विद्या-वाचस्पति–2010

प्रमाणित किया जाता है कि "Impact of Regional Rural Banks in the Development of Rural Areas of Himachal Pradesh."

पर शोध प्रबन्ध स्वीकृत हो जाने के उपरान्त रजनीश कुमार

सुपुत्र/सुपुत्री श्री पूर्ण चन्द को इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि वाणिज्य (वाणिज्य) एवं प्रबन्ध अध्ययन संकाय में प्रदान की गई।

Himachal Pradesh University

Doctor of Philosophy–2010

Certified that Rajnesh Kumar, son/daughter of Shri Puran Chand after approval of his/her thesis on "Impact of Regional Rural Banks in the Development of Rural Areas of Himachal Pradesh."

has been admitted to the degree of **Doctor of Philosophy** in the Faculty of Commerce & Management Studies (Commerce) in this University.

कुलपति
Vice-Chancellor

कुलाधिपति
Chancellor

शिमला Shimla } 27th December 2010

क्रम संख्या Serial } No. 0002435 नामांकन संख्या Enrolment No. } 93-Ka141-2001

हिमाचल प्रदेश विश्वविद्यालय

विद्या-वाचस्पति–2010

प्रमाणित किया जाता है कि "हिन्दी साहित्येतिहासों का तुलनात्मक अध्ययन (ग्रियर्सन, शुक्ल, हजारीप्रसाद द्विवेदी, गणपतिचन्द्र गुप्त, रामस्वरूप चतुर्वेदी एवं बच्चन सिंह के विशेष सन्दर्भ में)" पर शोध प्रबन्ध स्वीकृत हो जाने के उपरान्त प्रीतम चन्द सुपुत्र/सुपुत्री श्री बाल कृष्ण को इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि भाषा (हिन्दी) संकाय में प्रदान की गई।

Himachal Pradesh University

Doctor of Philosophy–2010

Certified that ....Pritam..Chand..........., son/daughter of Shri....Bal...Krishan...........after approval of his/her thesis on

..."हिन्दी साहित्येतिहासों का तुलनात्मक अध्ययन (ग्रियर्सन, शुक्ल, हजारीप्रसाद द्विवेदी, गणपतिचन्द्र गुप्त, रामस्वरूप चतुर्वेदी एवं बच्चन सिंह के विशेष सन्दर्भ में)"........

has been admitted to the degree of **Doctor of Philosophy** in the Faculty of.............Languages (Hindi)..........in this University.

कुलपति
Vice Chancellor

कुलाधिपति
Chancellor

शिमला Shimla } 9th August 2010..

Himachal Pradesh University
(NAAC Accredited 'A' Grade University)
"Examination Branch"
Summer Hill, Shimla-171005

Notification No. Ph.D.2020-12 **Dated: 23rd September, 2020**

NOTIFICATION

In pursuance of the powers vested in him by the Executive Council of Himachal Pradesh University vide Resolution No. 103 of its meeting held on 28th December, 1982, the Vice-Chancellor is pleased to accept the thesis of following candidates for the award of the degree of 'DOCTOR OF PHILOSOPHY' in the faculty subject shown against their names and has declared them eligible for the award of 'DOCTOR OF PHILOSOPHY' of this University.

Sr. No.	Name of the Candidate (Registration No.)	Faculty (Subject)	Title of the Thesis	Date of approval by the V.C.
1	Mr. Sarwan Kumar S/o Sh. Sohan Nathu (07-K1-753)	Social Sciences (Economics)	"DIMENSIONS OF INEQUALITY IN TRIBAL AREAS OF HIMACHAL PRADESH : A CASE STUDY OF DISTRICT LAHAUL AND SPITI"	31.08.2020
2	Mr. Shamam Rana S/o Sh. [illegible] Rana ([illegible])	Commerce & Management (Management)	"A STUDY OF ORGANIZED FOOD RETAIL AND ITS IMPACT ON FARMERS"	10.09.2020
3	Kumari Anupam D/o Sh. Kashmir Singh (08-[illegible]-675)	Social Sciences (Economics)	"An Analysis of Growth and Determinants of Livestock Sector in Himachal Pradesh."	17.09.2020
4	Mr. Ajay Kumar S/o Sh. Karam Singh ([illegible])	Social Sciences (Economics)	"SOCIO-ECONOMIC IMPACT OF MICRO FINANCE IN HIMACHAL PRADESH : A STUDY OF LOW HILL ZONE"	18.09.2020
5	Mr. Reetika Thakur D/o Sh. Kali Dass Thakur ([illegible])	Commerce & Management (Management)	"IMPACT OF QUALITY OF WORK LIFE ON WORK PERFORMANCE OF EMPLOYEES OF HIMACHAL PRADESH POWER CORPORATION LIMITED"	18.09.2020
6	Ms. [illegible] D/o Sh. [illegible] Lal ([illegible])	Languages (Hindi)	"डॉ. रामविलास शर्मा की आलोचना-दृष्टि"	21.09.2020

(ii) The effective date in case mentioned above will be the date of approval by the Vice-Chancellor.

Deputy Registrar (Exams.)
H.P. University, Shimla-5

Controller of Examinations
H.P. University, Shimla-5

Endst. No. Even

Dated: 23.09.2020

Copy to:

1. Student concerned.
2. The SPS to Vice-Chancellor/Dean of Studies/Registrar, H.P. University, Shimla-171005.
3. The Chairman/Director [illegible] Economics & Management, H.P.U., Shimla-5.
4. Prof. [illegible], Dr. Dinesh Kumar, Prof. Meenakshi Sunderi, Prof. Sanju Karol, Dr. Dinesh [illegible], Dr. [illegible] Nath Mehta Supervisors of the candidates.
5. The Librarian, H.P. University, Shimla-171005.
6. The Assistant Registrar [illegible] w.r.t. their letter No. PH-[illegible]-HPU Secy. dated [illegible].09.2020, PH-[illegible] HPU Secy. dated 11.09.2020, PH-3660-HPU Secy. dated 18.09.2020, PH-3659-HPU Secy., PH-3714-HPU Secy. dated 19.09.2020 & PH-3655-HPU Secy. dated 22.09.2020.
7. The Incharge Computer Centre B.Tech. Section H.P. University, Shimla-5 with the request to upload the [illegible]

Himachal Pradesh University
(NAAC Accredited 'A' Grade University)
"Examination Branch"
Summer Hill, Shimla-171005

Notification No. Ph.D.2024-17 **Dated: 16th August 2024**

NOTIFICATION

In pursuance of the powers vested in him by the Executive Council of Himachal Pradesh University vide Resolution No. 103 of its meeting held on 28th December, 1982, the Vice-Chancellor is pleased to accept the Thesis of following candidates for the award of the degree of 'DOCTOR OF PHILOSOPHY' in the Faculty/subject shown against their name and has declared them eligible for the award of 'DOCTOR OF PHILOSOPHY' of this University: -

Sr No	Name of the Candidate (Registration No.)	Faculty (Subject)	Title of the Thesis	Date of approval by the V.C.
1	Ms. Anjna Kumari D/o Sh. Krishan Chand (03-MLS-661)	Commerce & Management Studies (Commerce)	" INDUSTRIAL RELATIONS IN PHARMACEUTICAL INDUSTRY : A STUDY OF HIMACHAL PRADESH ".	10.08.2024
2	Mrs. Sunita Sharma D/o Sh. Laxmi Nand (09-GLK-865)	Social Sciences (Yoga)	"योग ग्रन्थों एवं समकालीन योगियों के द्वारा प्रतिपादित ध्यान पद्धतियों का समीक्षात्मक अध्ययन"	14.06.2024

NB. The effective date for each candidate is the date of approval of Vice-Chancellor as indicated in the table above.

Deputy Registrar (Exams.)
H.P. University, Shimla-5

Controller of Examinations
H.P. University, Shimla-5

Endst No. Even Dated: 16.08.2024

Copy to -

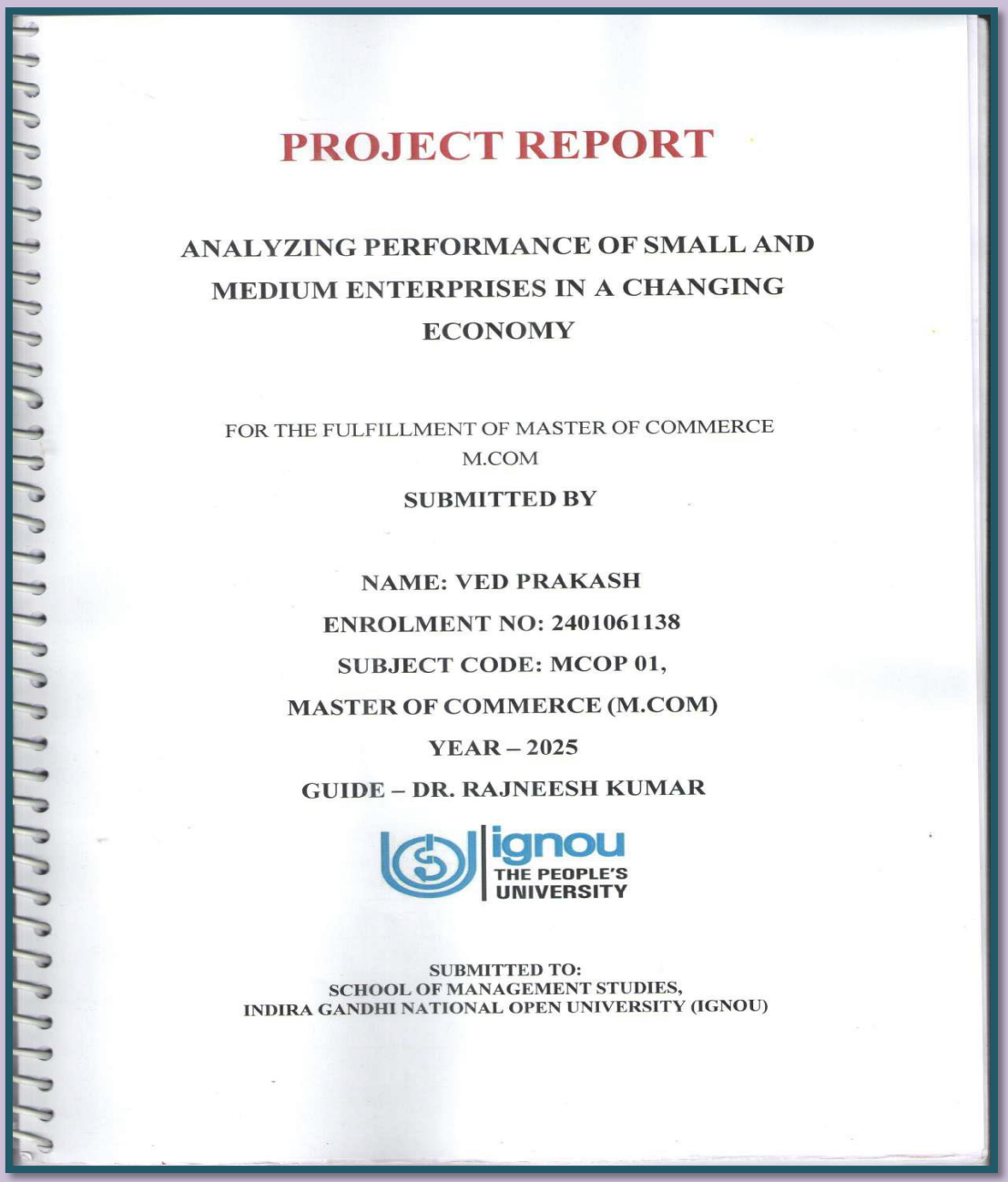
1. The student concerned.
2. The SPS to Vice-Chancellor/Dean of Studies/Registrar, H.P. University, Shimla-171005.
3. The Chairman/Chairperson Commerce, Yoga HPU Shimla-5
4. Pro. Kuldeep Kumar Attri, Dr. Arpita Negi Supervisor of the candidate
5. The Librarian, H. P. University, Shimla-171005.
6. The Assistant Registrar (Secrecy) w.r.t. their letter's No. PH-4168/HPU/Secy-, dt. 13.08.2024, Ph-4155/HPU/Secy-, dt. 18.06.2024.
7. ***The Incharge, Computer Centre B.Tech. Section, H.P. University, Shimla-5 with the request to upload the above Notification on the University Website.***
8. Guard file.

Deputy Registrar (Exams.)
H.P. University, Shimla

6.2 Teachers as Research Guides

Research guidance for M.Com students at Himachal Pradesh University (HPU) and MBA students at IGNOU is typically restricted to university faculty and approved counsellors. College teachers like Dr. Rajneesh can act as *IGNOU counsellors* to guide MBA research projects, but formal research supervision for M.Com at HPU is usually limited to university-appointed faculty.

Documentary Proof



PROJECT REPORT

ANALYZING PERFORMANCE OF SMALL AND MEDIUM ENTERPRISES IN A CHANGING ECONOMY

FOR THE FULFILLMENT OF MASTER OF COMMERCE
M.COM

SUBMITTED BY

NAME: VED PRAKASH

ENROLMENT NO: 2401061138

SUBJECT CODE: MCOP 01,

MASTER OF COMMERCE (M.COM)

YEAR – 2025

GUIDE – DR. RAJNEESH KUMAR

ignou
THE PEOPLE'S
UNIVERSITY

SUBMITTED TO:
SCHOOL OF MANAGEMENT STUDIES,
INDIRA GANDHI NATIONAL OPEN UNIVERSITY (IGNOU)

Annexure-I

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Maidan Garhi, New Delhi – 110068

PROFORMA FOR APPROVAL OF PROJECT PROPOSAL/ SYNOPSIS FOR
MCOP – 001: PROJECT

Project Proposal No 11025152
(To be assigned by the Regional Centre)
Subject Area: Finance

Enrolment No. 2401061138
Study Centre Govt. College Una, Code 1109
Regional Centre Shimla code 11

Name of the Student : VED PRAKASH

Address of the Student: (Complete Postal Address where the synopsis, is to be sent) S/o Paras Ram, Village Henga, Po Bhawarna Tehsil Palampur, Distt. Kangra, PN-176083

Email Address: vedp04011997@gmail.com

Topic of the Project : Analyzing performance of Small and Medium Enterprises in a changing Economy.

Name and Address of the Guide/ Supervisor: Dr. Rajneesh Kumar Deptt. of Commerce Govt. Degree College Dhaneta, Distt. Hamirpur (HP) 177041

Is the Supervisor an Academic Counselor of Management Programme of IGNOU? Yes / No ✓ If yes, Code of Study Centre ________

Courses he/ she is counseling for: ________

No. of Students being guided: 15 students (IGNOU)

Ved Prakash
Signature of Student

Date: 07-07-2025

Signature of Supervisor

Date: 07/07/2025

Please do not forget to enclose the synopsis of the project and the Bio-data of the Supervisor. In case the complete and signed Bio-Data of the Supervisor is not enclosed, the proposal will not be entrained.

For Office Use Only

Synopsis	Supervisor ✓
Approved ✓	Approved ✓
Not Approved	Not Approved

Signature of Evaluator
Date: 1/8/25

Comments & Suggestions of the Evaluator
(Use backside of the proforma, if the space for writing the comments is not Sufficient)

Counter Signature of the Regional Director/ Asst. Regional Director
13/08/25

क्षेत्रीय निदेशक
Regional Director
इग्नू क्षेत्रीय केन्द्र, शिमला
IGNOU Regional Centre, Shimla

Conditional approval

1) कृपया प्रोजेक्ट के साथ गाईड का बायोडाटा संलग्न करें।

2) Use proper method for Analysis as methods are missing.

3) Title must be restricted to Kangra District of HP

Guided M. Com Students Documentary Proof

A PROJECT REPORT

ON

CONSUMER BEHAVIOUR TOWARDS ONLINE AND OFFLINE SHOPPING

IN HIMACHAL PARDESH

SUBMITTED ON PARTIAL FULFILLMENT OF

THE REQUIRMENT FOR THE AWARD OF

DEGREE OF

MASTERS IN COMMERCE

SESSION 2022-2024

SUPERVISED BY: -

DR. RAJNEESH KUMAR

SUBMITTED BY:-

POOJA SHARMA

M.com 4th Sem.

ROLL NO. 35220021169

DEPARTMENT OF COMMERCE HIMACHAL PRADESH UNIVERSITY SHIMLA ICDEOL - 171005

Dr. RAJNEESH KUMAR

DEPARTMENT OF COMMERCE
HP UNIVERSITY SHIMLA
(ICDEOL) - 171005

CERTIFICATE

This is to certify that Pooja Sharma has successfully complete the project work "CUSUMER BEHAVIOUR TOWARDS ONLINE AND OFFLINE SHOPPING IN HIMACHAL PARDESH" in the partial fulfilment of the requirement for the Award of Post-Graduation Degree prescribed by Himachal Pradesh University Shimla my supervision and gaudiness. This project is the record of authentic work carried out during the academic year 2024. The technique used and the data reported in project report are genuine to the best of my knowledge. It represents her original work and the project report is worthy of consideration for the award of Degree of Master of Commerce.

DATE- 7 Dec. 2024

PLACE- ~~SHIMLA~~ Dhanetri

(.....)

Signature

FINAL PROJRCT REPORT

COMPARATIVE STUDY OF CUSTOMER SATISFACTION ON GOOGLE PAY AND PHONEPE APPS IN DISTT- HAMIRPUR

SUBMITTED TO THE HIMACHAL PRADESH UNIVERSITY, SHIMLA (ICDEOL) IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF

MASTER OF COMMERCE

(SESSION 2022-2024)

UNDER THE GUIDANCE OF:-

DR. RAJNEESH KUMAR

ASSISTANT PROFESSOR

SUBMITTED BY:-

NEERAJ KUMAR

UNIV.ROLL.NO. 35220020609

DEPARTMENT OF COMMERCE

HIMACHAL PRADESH UNIVERSITY, SHIMLA (ICDEOL) -171005

CERTIFICATE

This is to certify that the research report title Comparative Study Of Customer Satisfaction On Google Pay And PhonePe Apps In Distt. Hamirpur is an academic work done by Neeraj Kumar (University Roll.no.-35220020609) Submitted in the partial fulfillment of the requirements for the award of the degree of Master Of Commerce under the guidance and direction of Dr. Rajneesh Kumar to the best of my knowledge and belief, the data and information presented by student in the report has not been submitted earlier elsewhere.

07 Nov. 2024
Dhuneta

(DR. RAJNEESH KUMAR)

A PROJECT REPORT

ON

CUSTOMER SATISFACTION REGARDING BANKING SERVICES IN HAMIRPUR DISTRICT OF Himachal Pradesh

SUBMITTED PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF

MASTERS IN COMMERCE

(SESSION 2022-2024)

SUPERVISED BY:

DR. RAJNEESH KUMAR

SUBMITTED BY:

SAKSHI THAKUR

ROLL NO. 35220021163

DEPARTMENT OF COMMERCE

HIMACHAL PRADESH UNIVERSITY SHIMLA (ICDEOL) 171005

DEPARTMENT OF COMMERCE

HP UNIVERSITY SHIMLA

171005

DR. RAJNEESH KUMAR

CERTIFICATE

This is to certify that **SAKSHI THAKUR** has successfully complete the project work " **CUSTOMER SATISFACTION REGARDING BANKING SERVICE IN HAMIRPUR**" in the partial fulfilment of the requirement for the a ward of Post-Graduation Degree prescribed by Himachal Pradesh University Shimla my Supervision and Gaudiness.

This project is the record of authentic work carried out during the academic year 2024. The technique used and the data reported in project report are genuine to the best of my knowledge. It represents her original work and the project report is worthy of consideration for the award of Degree of Master of Commerce.

DATE- 20 oct 2024

PLACE-Dhaneta

Dr. Rajneesh

Signature

6.3 Nos. of OP/RC/FDP/Workshops of one week or More attended by teachers (Last three Years)

Particulars	2024-25	**2023-24**	**2022-23**
OP	**NIL**	**NIL**	**NIL**
RC	03	02	02
FDP	NIL	01	04
Workshops	10	03	01

Documentary proof given as under

Refresher Courses

(2024-25)

Certificate of Participation

134

UGC

UGC MALAVIYA MISSION TEACHER TRAINING CENTRE

(Formerly UGC HRDC)

UNIVERSITY OF JAMMU

UGC SPONSORED REFRESHER COURSE

This is to certify that

Mr. Rakesh Thakur — Assistant Professor

(Name of Participant) (Designation)

Aryabhatta Govt. Degree College Sandhole, Distt-Mandi (HP)

(College/University) (Place)

Participated in the Two weeks (10) Refresher course in Environmental Sciences

From 25-11-2024 to 7-12-2024 and obtained Grade 'A+'

COURSE CO-ORDINATOR DIRECTOR VICE-CHANCELLOR

UGC-MALAVIYA MISSION TEACHER TRAINING CENTRE

PANJAB UNIVERSITY, CHANDIGARH

Ref. No. 3707 TO 3788/7225

UGC-SPONSORED ONLINE REFRESHER COURSE

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. Anjna Kumari

Assistant professor (Commerce)

Govt.Degree College,

Dhaneta, distt. Hamirpur (H.P.)

Affiliated to Himachal Pradesh University Summerhill shimla

Participated in Online Refresher Course in Teaching & Research in Commerce & Management Studies

(All Commerce & Management Disciplines)

from 15.01.2025 to 28.01.2025

and obtained Grade A

Prof. Jayanti Dutta
(Programme Director)

Prof. Monika Aggarwal
(Coordinator)

Ref No. BPSMV/MMTTC/2024/ 171

सत्यमेव जयते

UGC-MALAVIYA MISSION TEACHERS TRAINING PROGRAMME

Bhagat Phool Singh Mahila Vishwavidyalaya

Khanpur Kalan Sonipat-131305 Haryana

ज्ञान-विज्ञान विमुक्तये

Certificate of Participation

This is to certify that Dr. Pritam Chand, Assistant Professor , Department of Hindi, Government Degree College, Dhaneta, Affiliated to Himachal Pradesh University, Shimla participated in Two Weeks Online Refresher Course on Languages (All languages) from 16 December to 30 December 2024 organized by UGC-Malaviya Mission Teachers Training Centre (MMTTC), Bhagat Phool Singh Mahila Vishwavidyalaya, Sonipat, Haryana and has obtained Grade A

Dr. Shafali Nagpal
Coordinator and Director-MMTTC

(As per UGC guidelines, the certificate is countable for API purpose under CAS)

2023-24

Teaching Learning Centre, Ramanujan College
University of Delhi
(Accredited Grade 'A++' by NAAC)
In collaboration with
Shri Mathuradas Mohota College of Science, Nagpur
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Madan Singh, Assistant Professor

of

Government Degree College Dhaneta, Distt. Hamirpur, Himachal Pradesh
has Successfully Completed online two - week Interdisciplinary Refresher Course in
"ADVANCED RESEARCH METHODOLOGY"
from *23 October – 06 November, 2023* and obtained
Grade A+.

Blockchain Hash:

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Jeevan R. Dontulwar
(Principal)
SMM College of Science

Dr. Nikhil Kr. Rajput
(Deputy Director)
TLC, Ramanujan College

(2022-23)

Teaching Learning Centre, Ramanujan College
University of Delhi
Janki Devi Memorial College
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

DR. RAJNEESH KUMAR

of

Govt. Degree College Dhaneta, Distt. Hamirpur, Himachal Pradesh
has Successfully Completed online Two - Week Interdisciplinary Refresher Course in
"COMMERCE"
from 30 October - 13 November, 2022 and obtained
Grade A+.

Blockchain Hash:

Teaching Learning Centre
Ramanujan College, University of Delhi
(Accredited Grade 'A++' by NAAC)
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Mr. Ajay Kumar

of

Department of Economics Government Degree College Galore District Hamirpur Himachal Pradesh

has successfully completed online two-week Refresher Course in

"ECONOMICS"

from 06 - 20 February, 2023 and obtained

Grade A+.

Blockchain Hash:

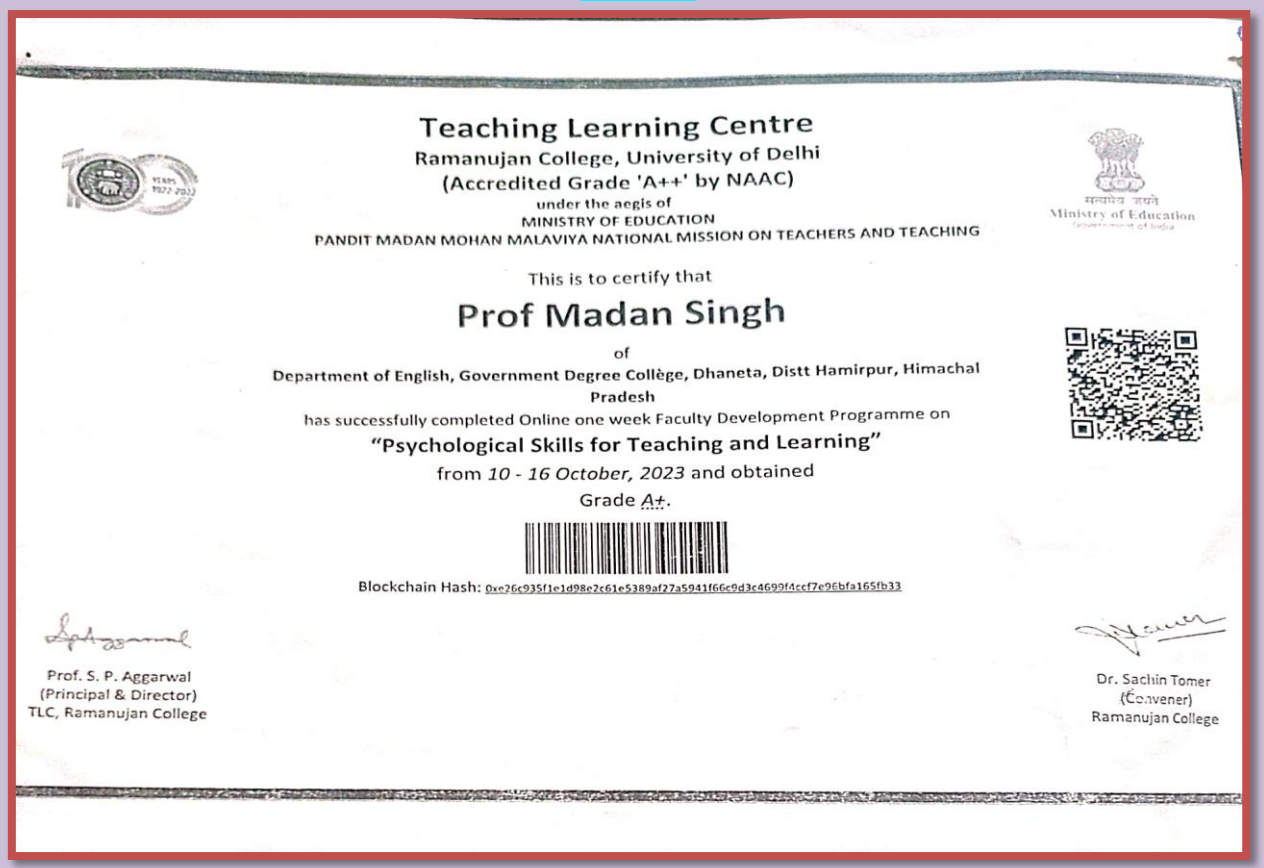
Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Mr. Ravindra Meena
(Programme Coordinator)
Ramanujan College

Dr. Nikhil Kr Rajput
(Deputy Director)
TLC, Ramanujan College

6.3 FDP

(2023-24)



Teaching Learning Centre
Ramanujan College, University of Delhi
(Accredited Grade 'A++' by NAAC)
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

Ministry of Education

This is to certify that

Prof Madan Singh

of

Department of English, Government Degree Collège, Dhaneta, Distt Hamirpur, Himachal Pradesh

has successfully completed Online one week Faculty Development Programme on

"Psychological Skills for Teaching and Learning"

from 10 - 16 October, 2023 and obtained

Grade A+.

Blockchain Hash: 0xe26c935f1e1d98e2c61e5389af27a5941f66c9d3c4699f4ccf7e96bfa165fb33

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Sachin Tomer
(Convener)
Ramanujan College

2022-23

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Staff Training and Research Institute of Distance Education
New Delhi 110068

Control No.:223062141S

UGC-Approved Short-Term Professional Development Programme
Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

This is to certify that

DR. RAJNEESH KUMAR

GDC DHANETA, DISTRICT HAMIRPUR, HP

participated in and successfully completed the

Professional Development Programme on
'Implementation of NEP-2020 for University and College Teachers'

held from 12-20 June, 2023

and obtained 'A' Grade

Prof. Santosh Panda
Director, STRIDE &
Coordinator of NEP-PDP Committee,
Indira Gandhi National Open University

New Delhi
Date of issue: June 26, 2023

Prof. Uma Kanjilal
Pro-Vice Chancellor
Indira Gandhi National Open

ignou THE PEOPLE'S UNIVERSITY

Grading System of Professional Development Programme on National Education Policy-

Grade	Percent Value
A+	85% and above
A	70% to 84%
B	60% to 69%
C	50% to 59%
F (Fail)	Below 49%

Those participants wh...

Teaching Learning Centre
Ramanujan College, University of Delhi
(Accredited Grade 'A++' by NAAC)
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

Ministry of Educati...

This is to certify that

Mr. Ajay Kumar

of

Department of Economics, Government Degree College Galore, District Hamirpur Himachal Pradesh

has successfully completed Online one week Faculty Development Programme on

"National Education Policy-2020"

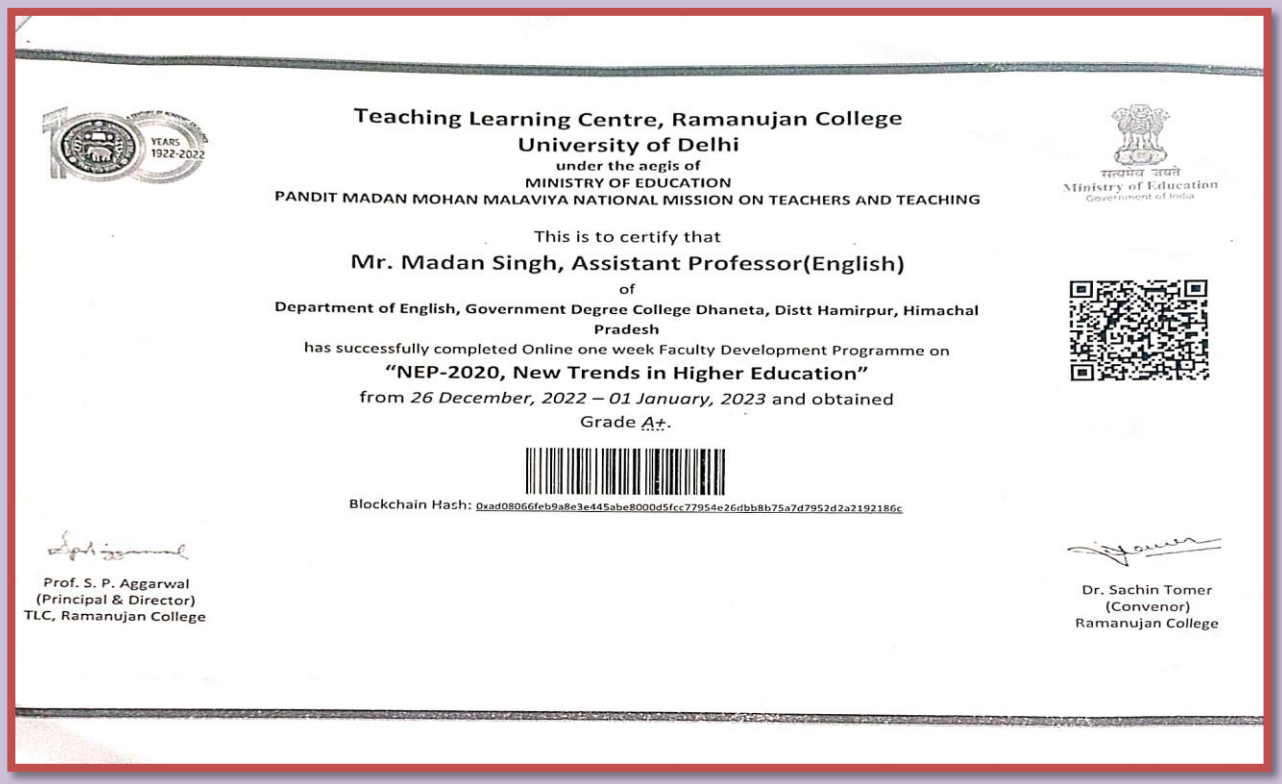
from *01-07 February, 2023* and obtained

Grade A+.

Blockchain Hash: 0x9d6dde5baaa0af6688809453fd334c2c56e720359b5dfab22a7502ec97574f87

Prof. S. P. Aggarwal
Principal & Director)
Ramanujan College

Dr. Ashish Kumar
(Convenor)
Ramanujan Col...



Teaching Learning Centre, Ramanujan College
University of Delhi
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Mr. Madan Singh, Assistant Professor(English)

of

Department of English, Government Degree College Dhaneta, Distt Hamirpur, Himachal Pradesh

has successfully completed Online one week Faculty Development Programme on

"NEP-2020, New Trends in Higher Education"

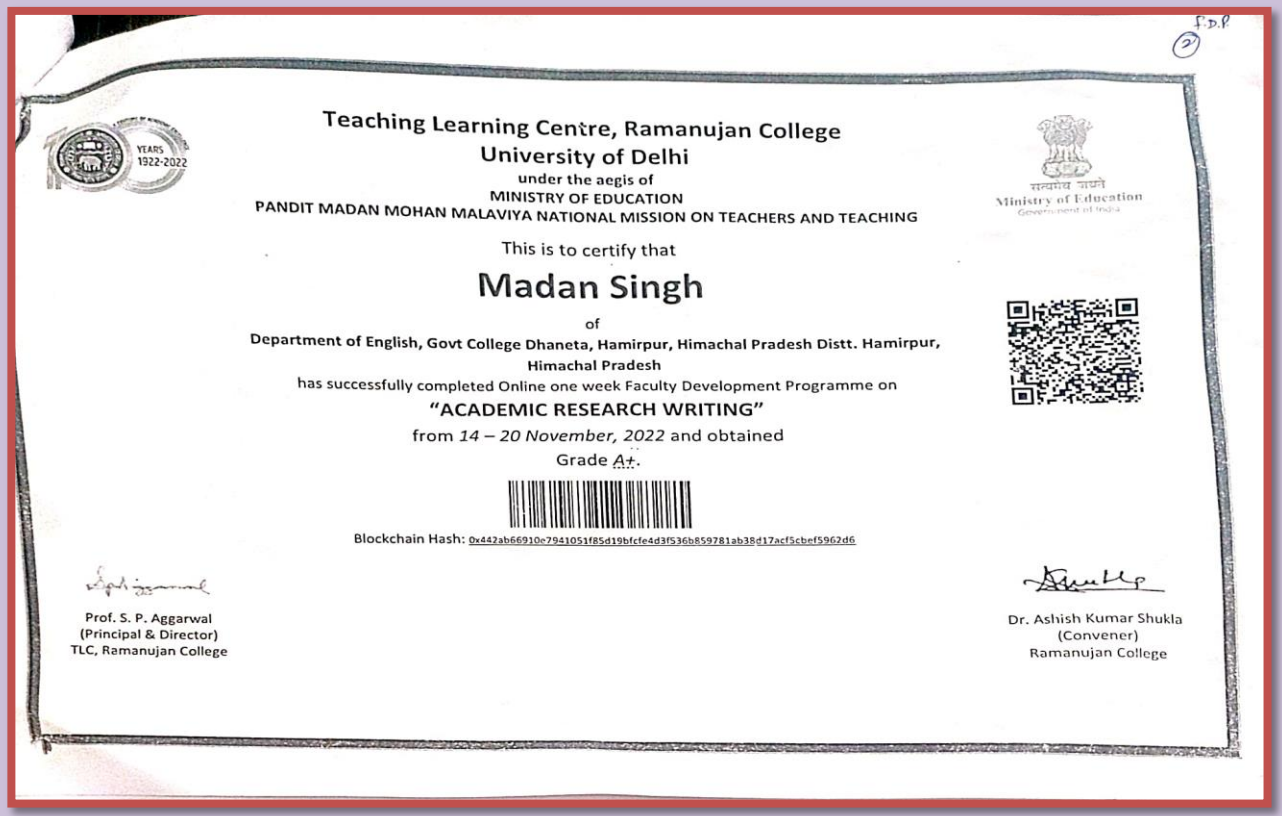
from *26 December, 2022 – 01 January, 2023* and obtained

Grade *A+*.

Blockchain Hash: 0xad08066feb9a8e3e445abe8000d5fcc77954e26dbb8b75a7d7952d2a2192186c

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Sachin Tomer
(Convenor)
Ramanujan College



Teaching Learning Centre, Ramanujan College
University of Delhi
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Madan Singh

of

Department of English, Govt College Dhaneta, Hamirpur, Himachal Pradesh Distt. Hamirpur, Himachal Pradesh

has successfully completed Online one week Faculty Development Programme on

"ACADEMIC RESEARCH WRITING"

from *14 – 20 November, 2022* and obtained

Grade *A+*.

Blockchain Hash: 0x442ab66910e7941051f85d19bfcfe4d3f536b859781ab38d17acf5cbef5962d6

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Ashish Kumar Shukla
(Convener)
Ramanujan College

Workshops of One Week or More

2022-23

E-WORKSHOP ON HOW TO WRITE A RESEARCH PAPER

(05.12.2022 to 12.12.2022)

Jointly organised by

Swami Vivekanand Government Degree College, Nihri, Mandi

&

Pratibha Spandan Society, Shimla

Certificate of Participation

This is certified that MS. ANJNA KUMARI, ASSISTANT PROFESSOR (COMMERCE), GOVT. DEGREE COLLEGE DHANETA, HAMIRPUR, HIMACHAL PRADESH has successfully attended the 8 days *E-Workshop on How to Write a Research Paper* from 05.12.2022 to 12.12.2022 organised by Swami Vivekanand Govt. Degree College Nihri, Mandi in association with Pratibha Spandan Society, Shimla. The workshop covered the basic topics on How to Write a Research Paper and included online lecture sessions followed by group discussion, individual assignment specifically on writing a research paper to be undertaken in online mode.

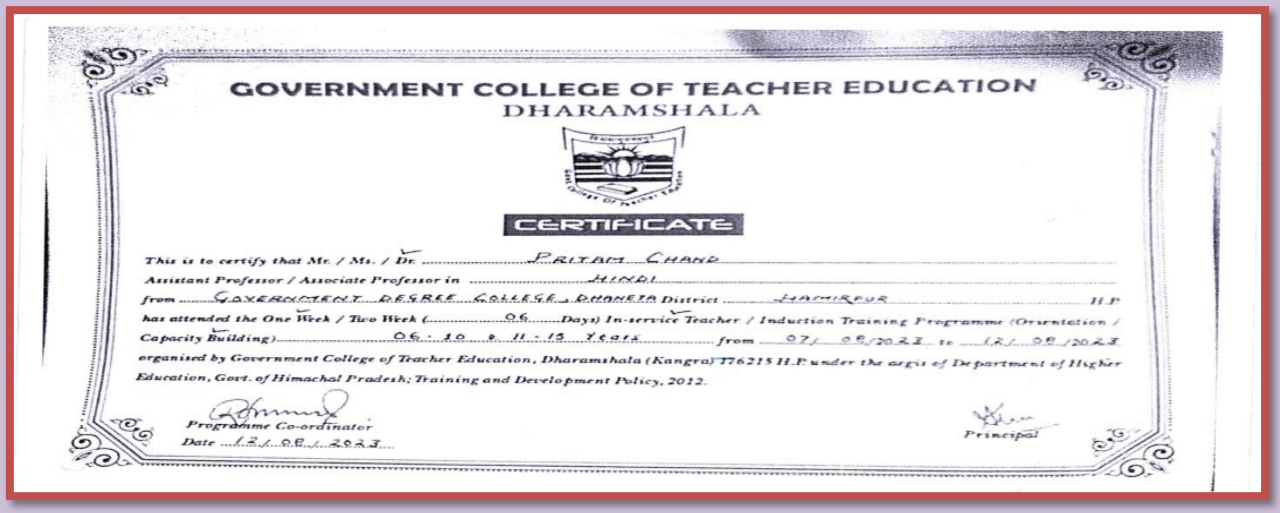
His/Her performance was found to be Excellent.

Dr. Varun Sahni, Principal, Swami Vivekanand Govt. Degree College Nihri, Mandi

Dr. Mrityunjay Sharma, President, Pratibha Spandan, Shimla

Sh. Shashi Kumar, Coordinator

2023-24



GOVERNMENT COLLEGE OF TEACHER EDUCATION

DHARAMSHALA

CERTIFICATE

This is to certify that Mr. / Ms. / Dr. PRITAM CHAND

Assistant Professor / Associate Professor in HINDI

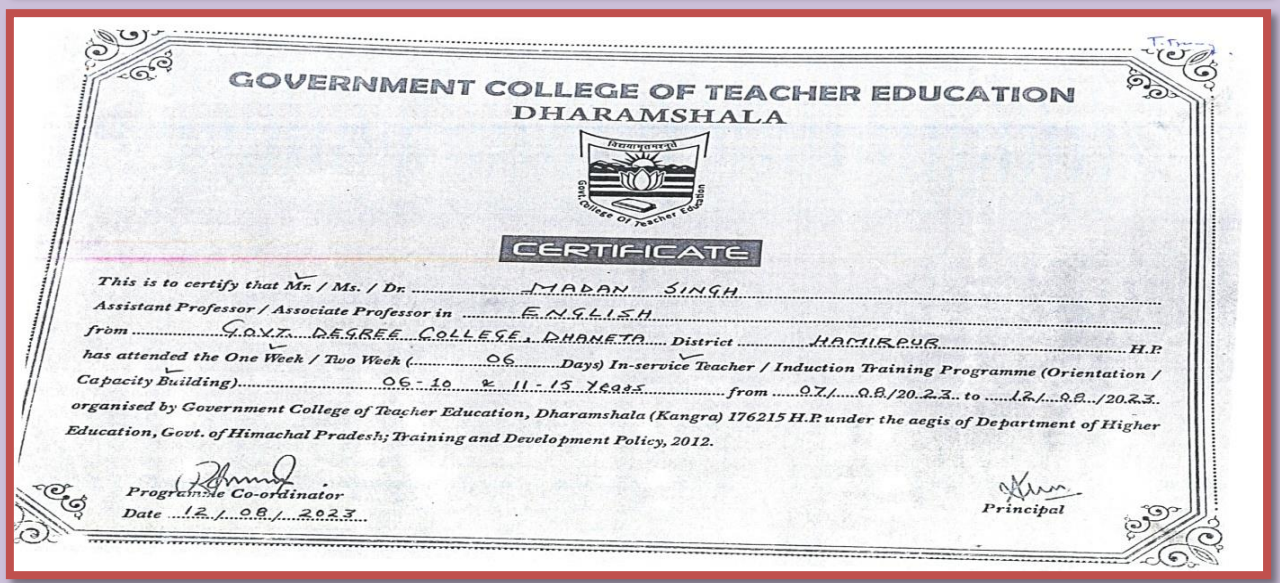
from GOVERNMENT DEGREE COLLEGE, DHANETA District HAMIRPUR H.P.

has attended the One Week / Two Week (06 Days) In-service Teacher / Induction Training Programme (Orientation / Capacity Building) 06 - 10 & 11 - 15 Years from 07/08/2023 to 12/08/2023 organised by Government College of Teacher Education, Dharamshala (Kangra) 176215 H.P. under the aegis of Department of Higher Education, Govt. of Himachal Pradesh; Training and Development Policy, 2012.

Programme Co-ordinator

Date 12/08/2023

Principal



GOVERNMENT COLLEGE OF TEACHER EDUCATION

DHARAMSHALA

CERTIFICATE

This is to certify that Mr. / Ms. / Dr. MADAN SINGH

Assistant Professor / Associate Professor in ENGLISH

from GOVT. DEGREE COLLEGE, DHANETA District HAMIRPUR H.P.

has attended the One Week / Two Week (06 Days) In-service Teacher / Induction Training Programme (Orientation / Capacity Building) 06 - 10 & 11 - 15 Years from 07/08/2023 to 12/08/2023 organised by Government College of Teacher Education, Dharamshala (Kangra) 176215 H.P. under the aegis of Department of Higher Education, Govt. of Himachal Pradesh; Training and Development Policy, 2012.

Programme Co-ordinator

Date 12/08/2023

Principal

MALAVIYA MISSION TEACHER TRAINING PROGRAMME

Certificate ID: MH-MMTTC/HRC/Dec2023/012

Ministry of Education Government of India

University Grants Commission

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms.

Anjna Kumari

from

Govt. Degree college Dhaneta Distt Hamirpur(HP)

has successfully completed the

Two Weeks Online Training Programme

on

"NEP 2020 Orientation & Sensitization Programme"

(16th December, 2023 – 30th December, 2023)

under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission(UGC)

organised by

Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi

Coordinator (MH-MMTTC, Hansraj College)

Chairperson (MH-MMTTC, Hansraj College)

(2024-25)

7 Days National Virtual Workshop on

Digital Education Future of Teaching-Learning:

(National Education Policy 2020)

(16-09-2024 to 22-09-2024)

organised by

Govt. Degree College Ani at Haripur,Kullu, Himachal Pradesh

in association with

Pratibha Spandan Society, Shimla

Certificate of Participation

This is certified that DR. AJAY KUMAR, ASSISTANT PROFESSOR DEPARTMENT OF ECONOMICS, GOVERNMENT DEGREE COLLEGE DHANETA DISTRICT HAMIRPUR (HP) 177041. has successfully attended the 7 Days National Virtual Workshop on *"Digital Education: Future of Teaching-Learning: (National Education Policy 2020)"* from 16-09-2024 to 22-09-2024 organised by Govt. Degree College Ani at Haripur, Kullu, Himachal Pradesh in association with Pratibha Spandan Society, Shimla. The workshop covered the topics on Digital Education, Innovations in Digital Learning, Digital Classroom Revolution, Trends & Insights, SWAYAM MOOCs Courses: Copyright and Plagiarism, SWAYAM MOOCs Course Development aligning with NEP 2020 for Future Success, and included online lecture sessions followed by group discussion, Assignments to be undertaken in online mode.

His/Her performance was found to be **Excellent.**

Dr. Kanwar Dinesh Singh, Principal, Govt. Degree College, Ani, Kullu, H.P.

Dr. Sangeeta Negi, Coordinator, Govt Degree College Ani, Kullu, H.P

Dr. Virender Kaushal, Gen. Secretary, Pratibha Spandan, Shimla

Dr. Mritunjay Sharma, President

"INTERNATIONAL WORKSHOP ON SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL CONSERVATION"

CERTIFICATE OF PARTICIPATION

This to certify that

Dr. RAJNEESH KUMAR

Of

Asst. Prof in Commerce, Govt. College DHANETA (H.P)

has successfully participated in seven days international workshop from 13 to 19 February 2025 (Hybrid) on Sustainable development and Environmental Conservation, Organized by Department of Geography, Thakur Jagdev Chand Memorial Govt. College Sujanpur Tihra, Distt. Hamirpur (H.P)

Convener Prof Rajeev Kumar, Assistant Professor Geography

Co-Convener Prof Vandna Kumari, Assistant Professor English

Dr. Ajaib Singh Banyal, Patron Cum Principal

Participation IW-265

"INTERNATIONAL WORKSHOP ON SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL CONSERVATION"

CERTIFICATE OF PARTICIPATION

This to certify that Prof. NEELAM KUMARI

Of

Associate Prof. in Pol. Science, Govt. College Dhaneta (H.P.) has successfully participated in seven days international workshop from 13 to 19 February 2025 (Hybrid) on Sustainable development and Environmental Conservation, Organized by Department of Geography, Thakur Jagdev Chand Memorial Govt. College Sujanpur Tihra, Distt. Hamirpur (H.P)

Convener Prof Rajeev Kumar
Assistant Professor Geography

Co-Convener Prof Vandna Kumari
Assistant Professor English

Dr. Ajaib Singh Banyal
Patron Cum Principal

GOVT. DEGREE COLLEGE DHANETA HAMIRPUR (H. P.)

CERTIFICATE OF PARTICIPATION

CERTIFICATE

This is to certify that Prof./ Dr. /Mr./ Ms. Neelam Kumari, Associate Professor Govt. Degree College Dhaneta, Distt. Hamirpur (H.P.) has successfully participated in ONE WEEK YOGA WORKSHOP on "Yoga to increase Concentration, release Stress and strengthen Immunity" from 11th November, 2024 to 16th November, 2024

Organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC)
GOVERNMENT DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR (H. P.)

Ms. Neelam Kumari
Convener (Workshop)

Dr. Gian Chand Rana
Patron (Workshop)

GOVT. DEGREE
COLLEGE
DHANETA
HAMIRPUR (H. P.)

CERTIFICATE
OF
PARTICIPATION

CERTIFICATE

This is to certify that Prof./ Dr. /Mr./ Ms. ANJNA KUMARI ASSISTANT PROFESSOR
[illegible] DISTT. HAMIRPUR has
successfully participated in ONE WEEK YOGA WORKSHOP on "Yoga to increase Concentration,
release Stress and strengthen Immunity" from 11th November, 2024 to 16th November, 2024

Organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC)
GOVERNMENT DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR (H. P.)

Ms. Neelam Kumari
Convener (Workshop)

Dr. Gian Chand Rana
Patron (Workshop)

GOVT. DEGREE
COLLEGE
DHANETA
HAMIRPUR (H. P.)

CERTIFICATE
OF
PARTICIPATION

CERTIFICATE

This is to certify that Prof./ Dr. /Mr./ Ms. DR. Ajay Kumar, Assistant Professor.
Department of Economics, GDC, Dhaneta Distt. Hamirpur (H.P.) has
successfully participated in ONE WEEK YOGA WORKSHOP on "Yoga to increase Concentration,
release Stress and strengthen Immunity" from 11th November, 2024 to 16th November, 2024

Organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC)
GOVERNMENT DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR (H. P.)

Ms. Neelam Kumari
Convener (Workshop)

Dr. Gian Chand Rana
Patron (Workshop)

GOVT. DEGREE
COLLEGE
DHANETA
HAMIRPUR (H. P.)

CERTIFICATE
OF
PARTICIPATION

CERTIFICATE

This is to certify that Prof./ Dr. /Mr./ Ms. Rajneesh Kumar, Assistant Professor Govt. Degree College Dhaneta, Distt. Hamirpur, Himachal Pradesh has successfully participated in ONE WEEK YOGA WORKSHOP on "Yoga to increase Concentration, release Stress and strengthen Immunity" from 11th November, 2024 to 16th November, 2024

Organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC)
GOVERNMENT DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR (H. P.)

Ms. Neelam Kumari
Convener (Workshop)

Dr. Gian Chand Rana
Patron (Workshop)

IW-250

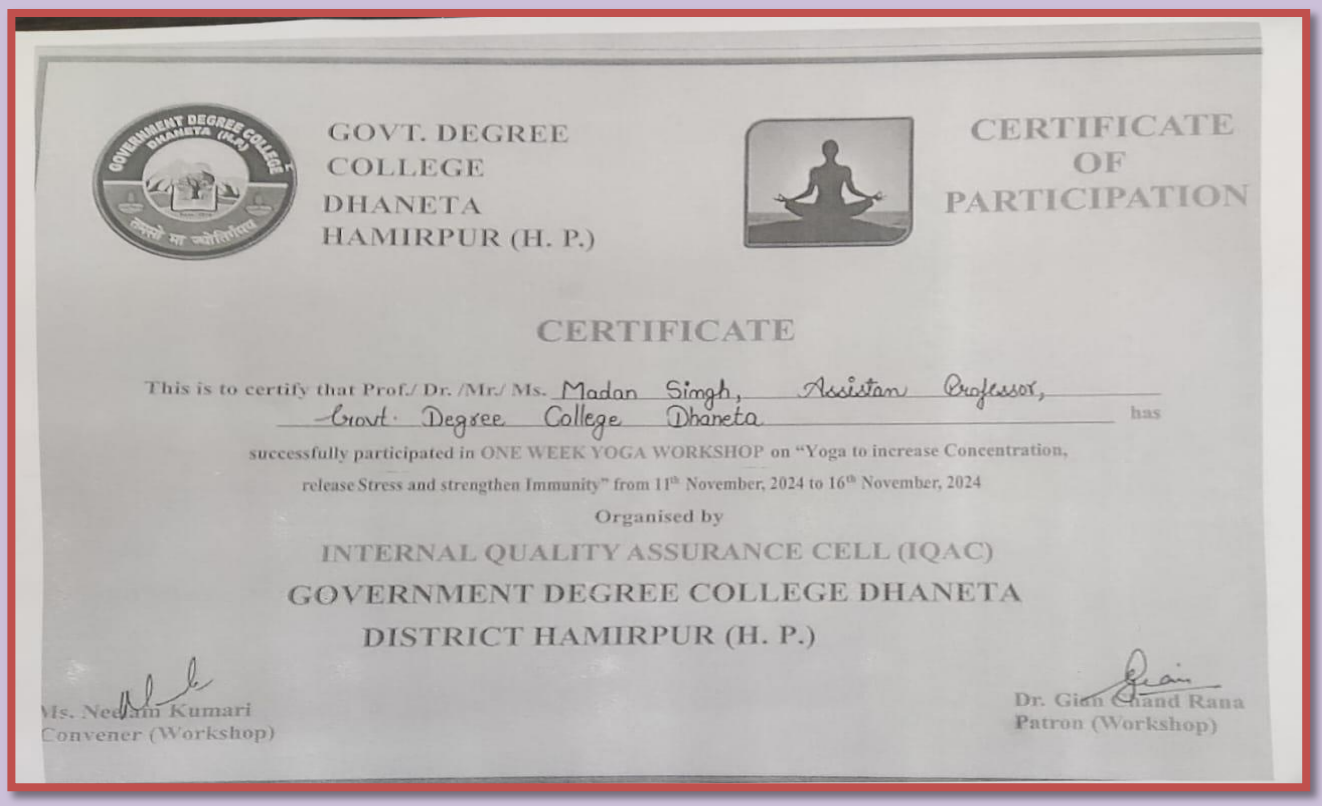
"INTERNATIONAL WORKSHOP ON SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL CONSERVATION"

CERTIFICATE OF PARTICIPATION

This to certify that Dr. AJAY KUMAR

Of

Assistant Professor of Economics, Govt. Degree College DHANETA DIST. HAMIRPUR (HP) has successfully participated in seven days international workshop from 13 to 19 February 2025 (Hybrid) on Sustainable development and Environmental Conservation, Organized by Department of Geography, Thakur Jagdev Chand Memorial Govt. College Sujanpur Tihra, Distt. Hamirpur (H.P)



GOVT. DEGREE COLLEGE DHANETA HAMIRPUR (H. P.)

CERTIFICATE OF PARTICIPATION

CERTIFICATE

This is to certify that Prof./ Dr. /Mr/ Ms. Madan Singh, Assistan Professor, Govt. Degree College Dhaneta has successfully participated in ONE WEEK YOGA WORKSHOP on "Yoga to increase Concentration, release Stress and strengthen Immunity" from 11th November, 2024 to 16th November, 2024

Organised by

INTERNAL QUALITY ASSURANCE CELL (IQAC)

GOVERNMENT DEGREE COLLEGE DHANETA

DISTRICT HAMIRPUR (H. P.)

Ms. Neelam Kumari
Convener (Workshop)

Dr. Gian Chand Rana
Patron (Workshop)

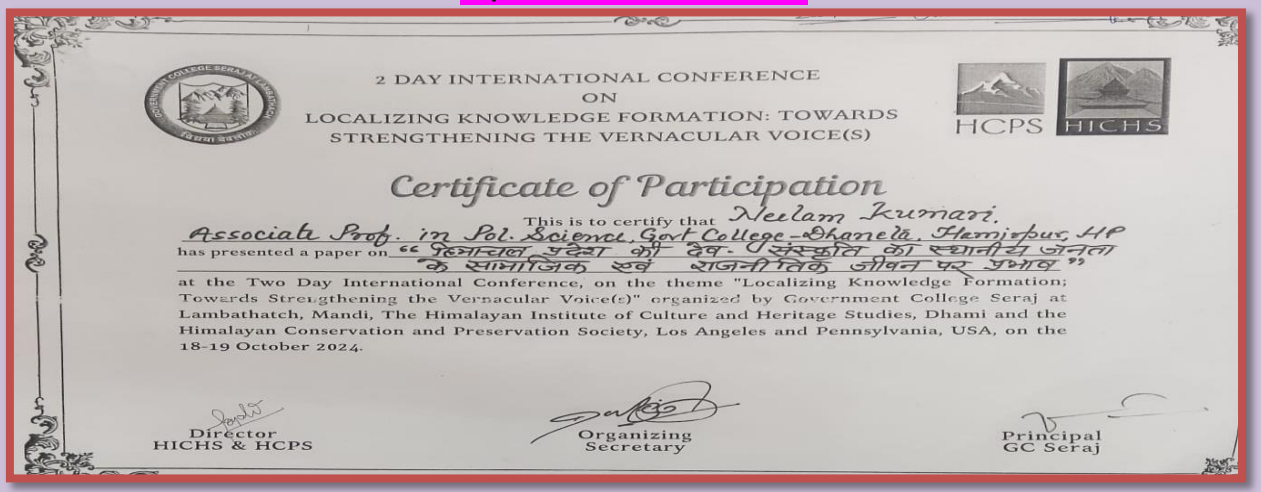
6.5 No. of Papers presented in Conferences/Seminars/Symposia (in last three years

No. of Paper Presented in Conferences/ Seminars/ Symposia (in last three years):

Particulars	2024-25	2023-24	2022-23
International Seminar/Con.	7	7	5
National Seminar	3	2	5

6.5.1 Papers presented in international conferences

Papers Presented in 2024-25



2 DAY INTERNATIONAL CONFERENCE ON LOCALIZING KNOWLEDGE FORMATION: TOWARDS STRENGTHENING THE VERNACULAR VOICE(S)

HCPS HICHS

Certificate of Participation

This is to certify that Neelam Kumari, Associate Prof. in Pol. Science, Govt College Dhaneta, Hamirpur, HP has presented a paper on "हिमाचल प्रदेश की देव-संस्कृति की स्थानीय जनता के सामाजिक एवं राजनीतिक जीवन पर प्रभाव" at the Two Day International Conference, on the theme "Localizing Knowledge Formation; Towards Strengthening the Vernacular Voice(s)" organized by Government College Seraj at Lambathatch, Mandi, The Himalayan Institute of Culture and Heritage Studies, Dhami and the Himalayan Conservation and Preservation Society, Los Angeles and Pennsylvania, USA, on the 18-19 October 2024.

Director HICHS & HCPS

Organizing Secretary

Principal GC Seraj

2 DAY INTERNATIONAL CONFERENCE
ON
LOCALIZING KNOWLEDGE FORMATION: TOWARDS
STRENGTHENING THE VERNACULAR VOICE(S)

HCPS HICHS

Certificate of Participation

This is to certify that Dr. Rajneesh Kumar, Asst. Prof. in Commerce, Govt. College-Dhaneta, Hamirpur, HP has presented a paper on "The effect of Tourism on District Hamirpur's local business revenue" at the Two Day International Conference, on the theme "Localizing Knowledge Formation; Towards Strengthening the Vernacular Voice(s)" organized by Government College Seraj at Lambathatch, Mandi, The Himalayan Institute of Culture and Heritage Studies, Dhami and the Himalayan Conservation and Preservation Society, Los Angeles and Pennsylvania, USA, on the 18-19 October 2024.

Director
HICHS & HCPS

Organizing
Secretary

Principal
GC Seraj

2 DAY INTERNATIONAL CONFERENCE
ON
LOCALIZING KNOWLEDGE FORMATION: TOWARDS
STRENGTHENING THE VERNACULAR VOICE(S)

HCPS HICHS

Certificate of Participation

This is to certify that Madan Singh, Asst. Prof. in English, Govt. College-Dhaneta, Hamirpur, HP has presented a paper on "Role of English Literature in preserving Himachal Pradesh Tribal Cultures". at the Two Day International Conference, on the theme "Localizing Knowledge Formation; Towards Strengthening the Vernacular Voice(s)" organized by Government College Seraj at Lambathatch, Mandi, The Himalayan Institute of Culture and Heritage Studies, Dhami and the Himalayan Conservation and Preservation Society, Los Angeles and Pennsylvania, USA, on the 18-19 October 2024.

Director
HICHS & HCPS

Organizing
Secretary

Principal
GC Seraj

Certificate No.: EDN/GCB(TRK)/2024-25-ICRISE/- 465

INTERNATIONAL CONFERENCE
on
Resilient Women, Innovative Solutions & Sustainable Environment
RISE-2024
(HYBRID MODE)
organized by
WGRC & IQAC
GOVERNMENT COLLEGE BHORANJ (TARKWARI)
Accredited by NAAC with grade 'B'
District Hamirpur, Himachal Pradesh, India
(November 25-26, 2024)

CERTIFICATE

This is to certify that Dr. Rajneesh Kumar Assistant Professor
of Government College Dhaneta
participated in the Two-Day International Conference on 25-26 November 2024 and presented a paper/poster titled
"Empowering Voices: The Role of Resilient Women in Shaping Sustainable Futures through Language and Education"

MS. POOJA *Organizing Secretary* | DR. MOHINDER GULERIA *Convener* | DR. ASHA DEVI *Coordinator* | DR. VIJAY THAKUR *Principal & Patron*

Certificate No.: EDN/GCB(TRK)/2024-25-ICRISE/-53

INTERNATIONAL CONFERENCE
on
Resilient Women, Innovative Solutions & Sustainable Environment
RISE-2024
organized by
WGRC & IQAC
GOVERNMENT COLLEGE BHORANJ (TARKWARI)
Accredited by NAAC with grade 'B'
District Hamirpur, Himachal Pradesh, India
(November 25-26, 2024)

CERTIFICATE

This is to certify that Ms. Neelam Kumari Associate Professor
of Government Degree College Dhaneta
participated in the Two-Day International Conference on 25-26 November 2024 & presented a paper/poster titled
"Global Warming: A Challenge to India."

MS. POOJA *Organizing Secretary* | DR. MOHINDER GULERIA *Convener* | DR. ASHA DEVI *Coordinator* | DR. VIJAY THAKUR *Principal & Patron*

2024-25

INTERNATIONAL CONFERENCE RNTGCS-IC-2024-258

On

"Digital Transformation & Its Impact on Business, Economy & Environment : Sustainable Development Goals (SDGs)"

29th & 30th November, 2024

Organised by :

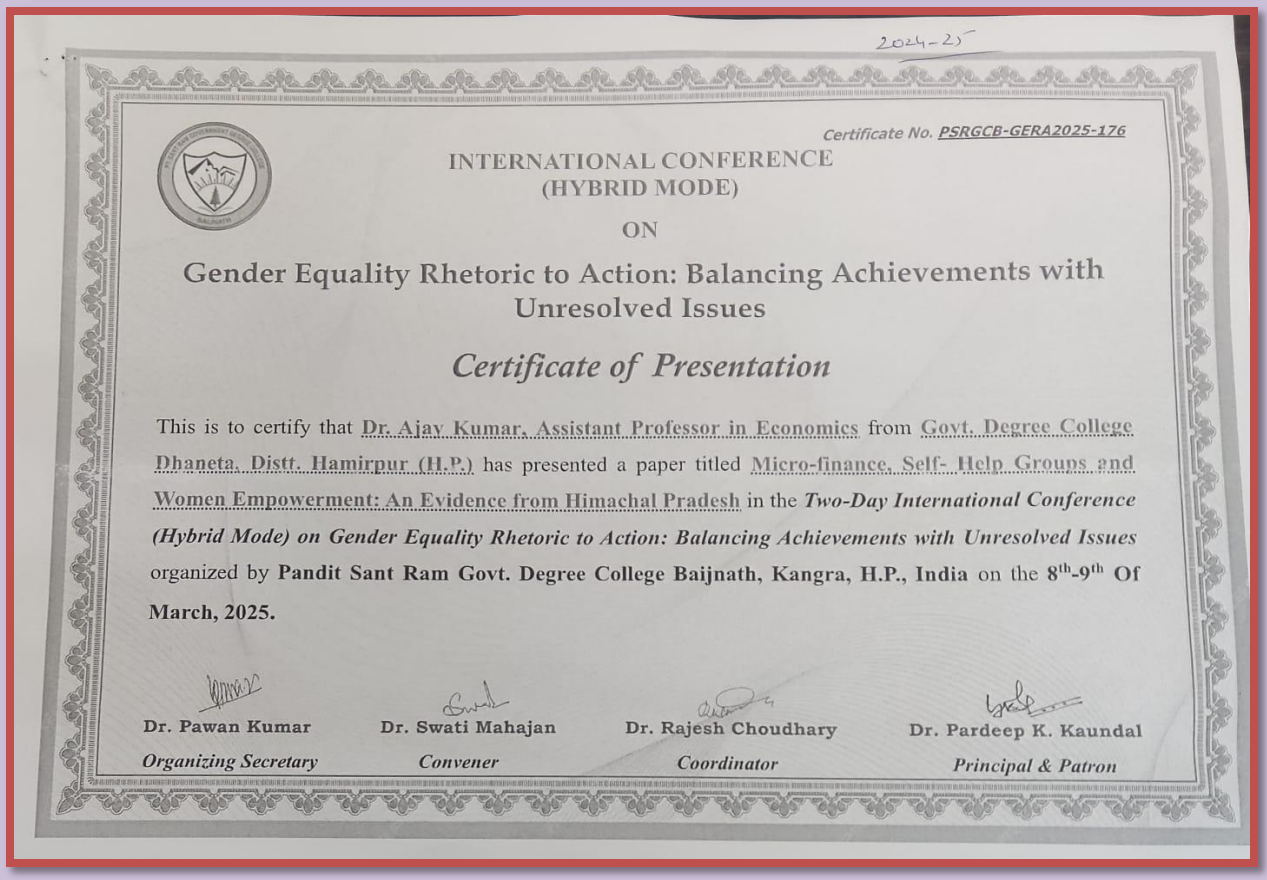
Department of Commerce & Management

Rabindranath Tagore Govt. Degree College Sarkaghat, Distt. Mandi (H.P.)

Certificate of Participation

This is to certify that Dr./Mr./Ms. Ajay Kumar Professor/Associate Professor/ Assistant Professor / Research Scholar/PG/UG Student of Economics Govt College Dhaneta Participated in the Two Day International Conference held on 29th & 30th November, 2024. He/She has presented research paper/article entitled Digital Payments System in Rural India Issues and Future Prospectus

Convener



2024-25

Certificate No. PSRGCB-GERA2025-176

INTERNATIONAL CONFERENCE
(HYBRID MODE)

ON

Gender Equality Rhetoric to Action: Balancing Achievements with Unresolved Issues

Certificate of Presentation

This is to certify that Dr. Ajay Kumar, Assistant Professor in Economics from Govt. Degree College Dhaneta, Distt. Hamirpur (H.P.) has presented a paper titled Micro-finance, Self- Help Groups and Women Empowerment: An Evidence from Himachal Pradesh in the *Two-Day International Conference (Hybrid Mode) on Gender Equality Rhetoric to Action: Balancing Achievements with Unresolved Issues* organized by **Pandit Sant Ram Govt. Degree College Baijnath, Kangra, H.P., India** on the **8th-9th Of March, 2025.**

Dr. Pawan Kumar	Dr. Swati Mahajan	Dr. Rajesh Choudhary	Dr. Pardeep K. Kaundal
Organizing Secretary	*Convener*	*Coordinator*	*Principal & Patron*

Two-day International Conference on
Viewing Paradigms in Spirituality, Society, Science and Education through a Lens of Multidisciplinary Approach

(21-22 March, 2025)
Jointly organised by
Department of Performing Arts (Music)
in collaboration with
Pratibha Spandan Society, Shimla

Certificate of Participation

This is to certify that

DR. ANJNA KUMARI
ASSISTANT PROFESSOR COMMERCE, GOVT. DEGREE COLLEGE DHANETA, DISTT HAMIRPUR, (HP).

participated in Two-day International Conference on Viewing Paradigms in Spirituality, Society, Science and Education through a Lens of Multidisciplinary Approach jointly organised by Department of Performing Arts (Music), Himachal Pradesh University, Shimla in collaboration with Pratibha Spandan Society, Shimla on 21-22 March, 2025

He/She has presented a paper titled

AN ANALYTIC ANALYSIS OF GOVERNMENT INITIATIVE TO PROMOTE ENTREPRENEURSHIP IN INDIA

Prof. Jeet Ram Sharma
Chairperson
Dept. of Performing Arts (Music), H.P.U. Shimla

Dr. Virender Kaushal
Gen Secretary
Pratibha Spandan

Dr. Mrityunjay Sharma
Conference Convener

Papers Presented in 2023-24

International Conference on
Recent Trends in Science & Technology
For Environment Conservation & Sustainable Development
September 29-30, 2023
Organized By
Department of Botany and Zoology
Sidharth Govt. Utkrisht College Nadaun, Himachal Pradesh, INDIA
In collaboration with
The Indian Science Congress Association (ISCA), Shimla Chapter

Certificate

This is to certify that Prof./Dr./Mr./Ms Neelam Kumari *Designation* Assoc. Prof. Dept of Political Science, Govt. College Dhaneta *has participated as a* ***Keynote Speaker/Resource Person/Invited Speaker/ Presented Paper/Poster entitled*** The Impact of Climate Change on Economic Development : A Global Perspective *in the international conference on* ***Recent Trends in Science and Technology for Environment Conservation and Sustainable Development*** *organized by* ***Deptt. of Botany & Zoology, Sidharth Govt. Utkrisht College Nadaun****, Himachal Pradesh, India on Sep 29-30, 2023.*

He/She has been awarded with ***Best Oral Presentation/Poster Presentation.***

Dr. Sunita Saklani
Organizing Secretary

Prof. Bhagwati P Sharma
Convener

Dr. Anil Kumar Gautam
Principal-Cum-Patron

HIMACHAL PRADESH UNIVERSITY

Conf. Id. RC23 Phy 053

(NAAC ACCREDITED 'A' GRADE UNIVERSITY)

UNIVERSITY REGIONAL CENTRE DHARAMSHALA(H.P.)

International Hybrid Conference

on

History and Culture of Himalayan Tribes: Status and Continuity

October 27-28, 2023

In collaboration with

Certificate

This is to certify that Prof./ Dr./ Mr./Ms. Nulam Kumari Designation Associate Professor

University/College/Institution Govt. Degree College Dhaneta Hamirpur has

Participated/Presented Paper/Chaired/Co-chaired a session/speaker Participated entitled Impact of Govt. Policies & Programmes on tribal society in India.

Name of the session Ts - 2B

in *International Hybrid Conference* organised by Department of History, HPU Regional Centre, Dharamshala, District Kangra, Himachal Pradesh, India.

Organising Secretary
Rajender Kumar
HPU RC Dharamshala

Convenor
Dr. Mohinder Slariya
Scientific Steering Committee

Conference Convenor
Dr. Raj Kumar
HPU RC Dharamshala

Director cum Patron
Prof. D. P. Verma
HPU RC Dharamshala

HIMACHAL PRADESH UNIVERSITY

Conf. Id. RC23 Phy 054

(NAAC ACCREDITED 'A' GRADE UNIVERSITY)

UNIVERSITY REGIONAL CENTRE DHARAMSHALA(H.P.)

International Hybrid Conference

on

History and Culture of Himalayan Tribes: Status and Continuity

October 27-28, 2023

In collaboration with

Certificate

This is to certify that Prof./ Dr./ Mr./Ms. Madan Singh Designation Assistant Professor

University/College/Institution Govt. Degree College Dhaneta Hamirpur has

Participated/Presented Paper/Chaired/Co-chaired a session/speaker entitled Sustainable Tribal Development - Problem Prospects Policies & cases

Name of the session Ts - 2B

in *International Hybrid Conference* organised by Department of History, HPU Regional Centre, Dharamshala, District Kangra, Himachal Pradesh, India.

Organising Secretary
Rajender Kumar
HPU RC Dharamshala

Convenor
Dr. Mohinder Slariya
Scientific Steering Committee

Conference Convenor
Dr. Raj Kumar
HPU RC Dharamshala

Director cum Patron
Prof. D. P. Verma
HPU RC Dharamshala

5th Paramhansa Yogananda International Conference
on the theme
Towards a Global and Multidisciplinary Understanding of
Spirituality and Science in Contemporary World
(23-24 February 2024)
Organisers
Dept. of Music and Dept. of Commerce, Vallabh Government College, Mandi, Himachal Pradesh
in association with
Pratibha Spandan Society, Shimla

Certificate of Participation

This is certified that DR. AJAY KUMAR, ASSISTANT PROFESSOR, DEPARTMENT OF ECONOMICS, GDC DHANETA (HP has presented a paper on AN EVALUATION OF SUSTAINABILITY OF SELF HELP GROUPS IN HAMIRPUR AND UNA DISTRICT OF HIMACHAL PRADESH during the 5th Paramhansa Yogananda International Conference *on Towards a Global and Multidisciplinary Understanding of Spirituality and Science in Contemporary World on* 23-24 February 2024.

We wish him/her success for his/her bright future.

Ms. Surina Sharma, Principal, Govt. College Mandi HP
Dr. Mritunjay Sharma, President, Pratibha Spandan, Shimla
Dr. Ravinder Kumar, Convener, Govt. College Mandi HP
Dr. Nirmal Singh, Co-convener, Govt. College Mandi HP

5th Paramhansa Yogananda International Conference
Towards a Global and Multidisciplinary Understanding of
Spirituality and Science in Contemporary World
(23-24 February 2024)
Dept. of Music and Dept. of Commerce, Vallabh Government College, Mandi, Himachal Pradesh
Pratibha Spandan Society, Shimla

Certificate of Participation

This is certified that MS. ANJNA KUMARI, ASSISTANT PROFESSOR (COMMERCE), GOVT. DEGREE COLLEGE DHANETA HAMIRPUR (HIMACHAL PRADESH) has presented a paper on IMPACT OF INDUSTRIAL DISPUTES ON THE PERFORMANCE OF EMPLOYEES WORKING IN PHARMACEUTICAL INDUSTRY during the 5th Paramhansa Yogananda International Conference *on Towards a Global and Multidisciplinary Understanding of Spirituality and Science in Contemporary World on* 23-24 February 2024.

We wish him/her success for his/her bright future.

(13)

International Conference 2024
On
"Recent Trends And Innovations For A Greener Future"
(9-10 Feb 2024)
Organized by
Department of Chemistry, NSCBM Govt. College Hamirpur (H. P.)
In Collaboration With
The Indian Science Congress Association (ISCA) Shimla Chapter

CERTIFICATE

This is to certify that Dr/Mr/Ms Gian Chand Rana, Deptt of Mathematics, G.C. Hamirpur (H.P.) Professor/Associate Professor/Assistant Professor/Research Scholar/UG/PG Student has participated as a Keynote Speaker/Resource Person/Invited Speaker/Presented Paper/Poster entitled Importance of Mathematics in Greener Future in the International Conference held on 9th-10th February, 2024. He/She has **Chaired/Co-chaired the Technical Session.**
He/She has been awarded with **Best Poster Presentation.**

Dr. N. Deepika Khanna	Dr. Ratan C. Sharma	Dr. Shashi Sharma	Dr. Pramod S. Patial
Organising Secretary	**Convenor**	**Chairman**	**Patron/Principal)**

(16)

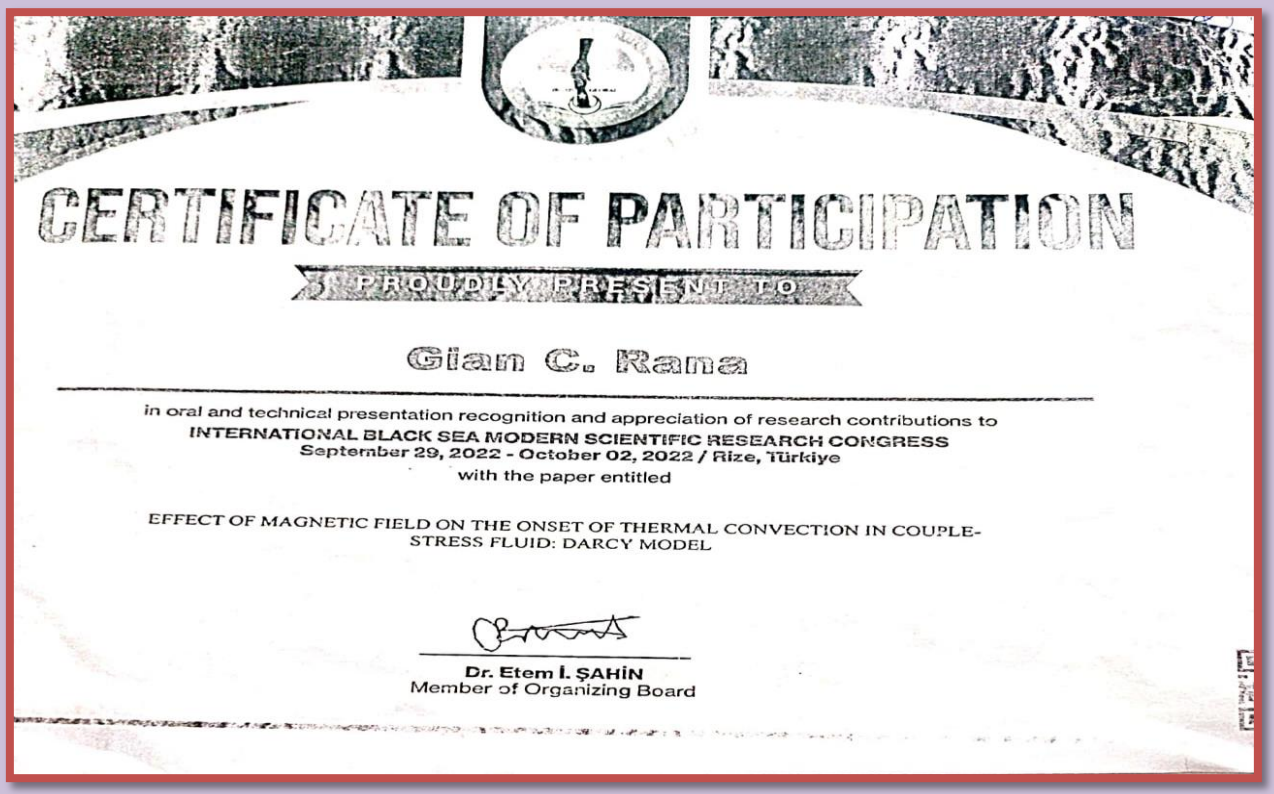
International Conference 2024
On
"Recent Trends And Innovations For A Greener Future"
(9-10 Feb 2024)
Organized by
Department of Chemistry, NSCBM Govt. College Hamirpur (H. P.)
In Collaboration With
The Indian Science Congress Association (ISCA) Shimla Chapter

CERTIFICATE

This is to certify that Dr/Mr/Ms Neelam Kumari, Deptt. of Pol. Sci. , G.C. Dhaneta. (H.P.) Professor/Associate Professor/Assistant Professor/Research Scholar/UG/PG Student has participated as a Keynote Speaker/Resource Person/Invited Speaker/Presented Paper/Poster entitled Harvest Technology : A Review in the International Conference held on 9th-10th February, 2024. He/She has **Chaired/Co-chaired the Technical Session.**
He/She has been awarded with **Best Poster Presentation.**

Dr. N. Deepika Khanna	Dr. Ratan C. Sharma	Dr. Shashi Sharma	Dr. Pramod S. Patial
Organising Secretary	**Convenor**	**Chairman**	**Patron/Principal)**

Papers Presented in 2022-23



CERTIFICATE OF PARTICIPATION

PROUDLY PRESENT TO

Gian C. Rana

in oral and technical presentation recognition and appreciation of research contributions to
INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS
September 29, 2022 - October 02, 2022 / Rize, Türkiye
with the paper entitled

EFFECT OF MAGNETIC FIELD ON THE ONSET OF THERMAL CONVECTION IN COUPLE-STRESS FLUID: DARCY MODEL

Dr. Etem İ. ŞAHİN
Member of Organizing Board

CERTIFICATE
OF PARTICIPATION

This certificate is proudly presented to

Assoc. Prof. Dr. Gian C. Rana

of participation in oral and technical presentation, recognition and appreciation of research contributions to
AHI EVRAN 2nd International Conference on Scientific Research
held on October 21-23, 2022 / Kirsehir, Türkiye
Kirsehir Ahi Evran University
with the paper entitled

RAYLEIGH-BÉNARD CONVECTION IN A LAYER OF NANOFLUID: WALTERS' (MODEL B')

Prof. Dr. Ahmet KAZANKAYA
Organizing Committee Chairman

2nd International Conference on Mathematics in
Space and Applied Sciences
(ICMSAS-2023)
March 03-04, 2023
Organised By
Department of Mathematics
NSCBM Govt. College, Hamirpur, Himachal Pradesh, INDIA
Sponsored By
Defence Research and Development Organisation (DRDO), New Delhi

Certificate

is to certify that Prof./Dr./ Mr./Ms. G. C. Rana of NSCBM Government College, Hamirpur (HP) has active
cipated in the 2nd International Conference on Mathematics in Space and Applied Sciences (ICMSAS-202
nised by the Department of Mathematics, Netaji Subhash Chander Bose Memorial Govt. College, Hamirpur- 17700
achal Pradesh, INDIA on March 03-04, 2023 and presented a paper entitled: Effect of suspended particles in a poro
edium layer heated from below saturating a Jeffrey fluid: A Mathematical Theorem.

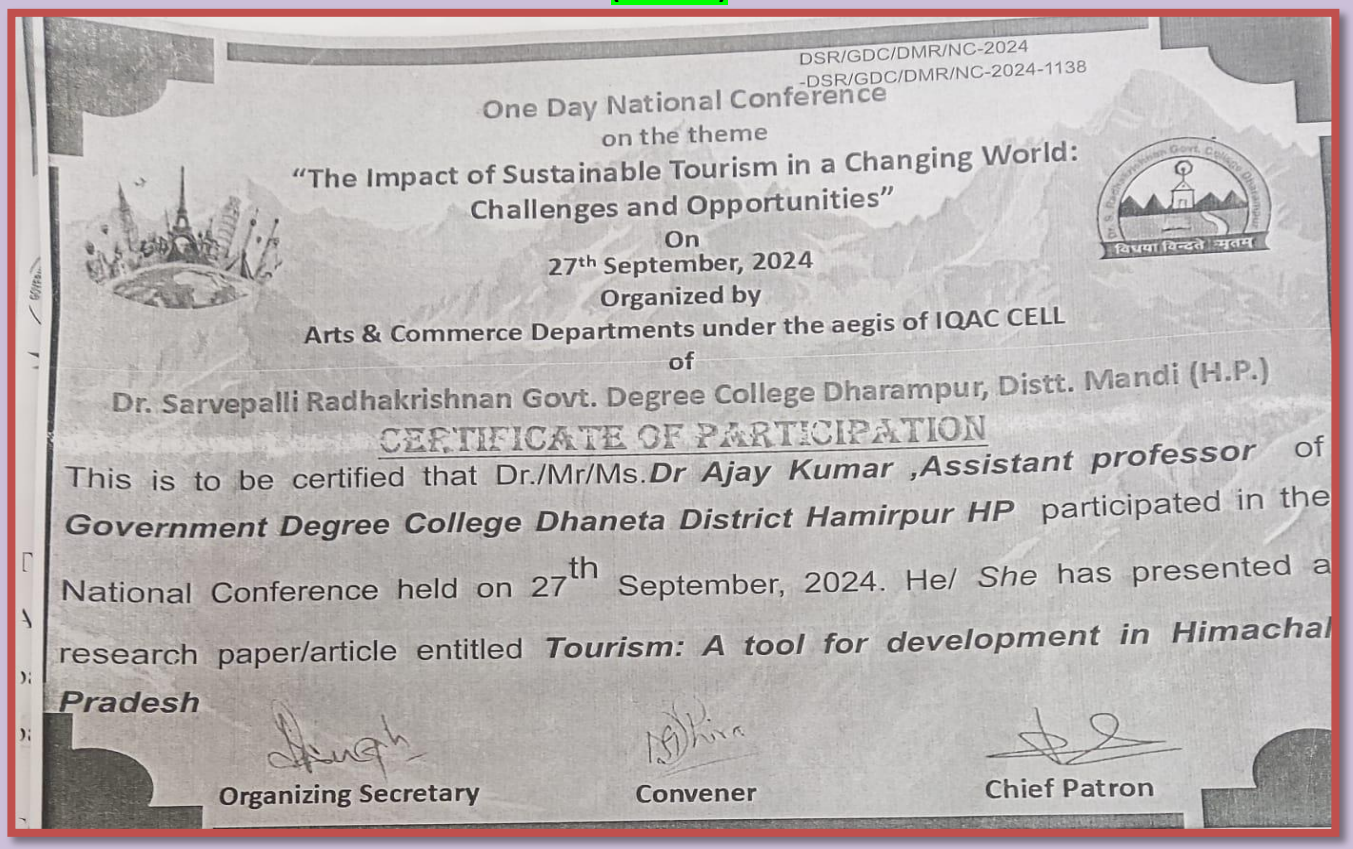
Dr. Sanjay Kango
Convener
(ICMSAS-2023)

Dr. G.C. Rana
Chairman
(ICMSAS-2023)

Principal-cum-Patron
(ICMSAS-2023)

6.5 (ii) **Papers Presented in National Seminars**

(2024-25)



DSR/GDC/DMR/NC-2024
-DSR/GDC/DMR/NC-2024-1138

One Day National Conference
on the theme
"The Impact of Sustainable Tourism in a Changing World: Challenges and Opportunities"
On
27th September, 2024
Organized by
Arts & Commerce Departments under the aegis of IQAC CELL
of
Dr. Sarvepalli Radhakrishnan Govt. Degree College Dharampur, Distt. Mandi (H.P.)

CERTIFICATE OF PARTICIPATION

This is to be certified that Dr./Mr/Ms. *Dr Ajay Kumar ,Assistant professor* of *Government Degree College Dhaneta District Hamirpur HP* participated in the National Conference held on 27th September, 2024. He/ *She* has presented a research paper/article entitled ***Tourism: A tool for development in Himachal Pradesh***

Organizing Secretary | Convener | Chief Patron

NATIONAL SEMINAR

GDCSB-NS-2025-..028.....

on

"Synergizing Sustainability: Integrating Environmental, Economic and Social Development for a Resilient Future"

22nd February, 2025

Organised by :

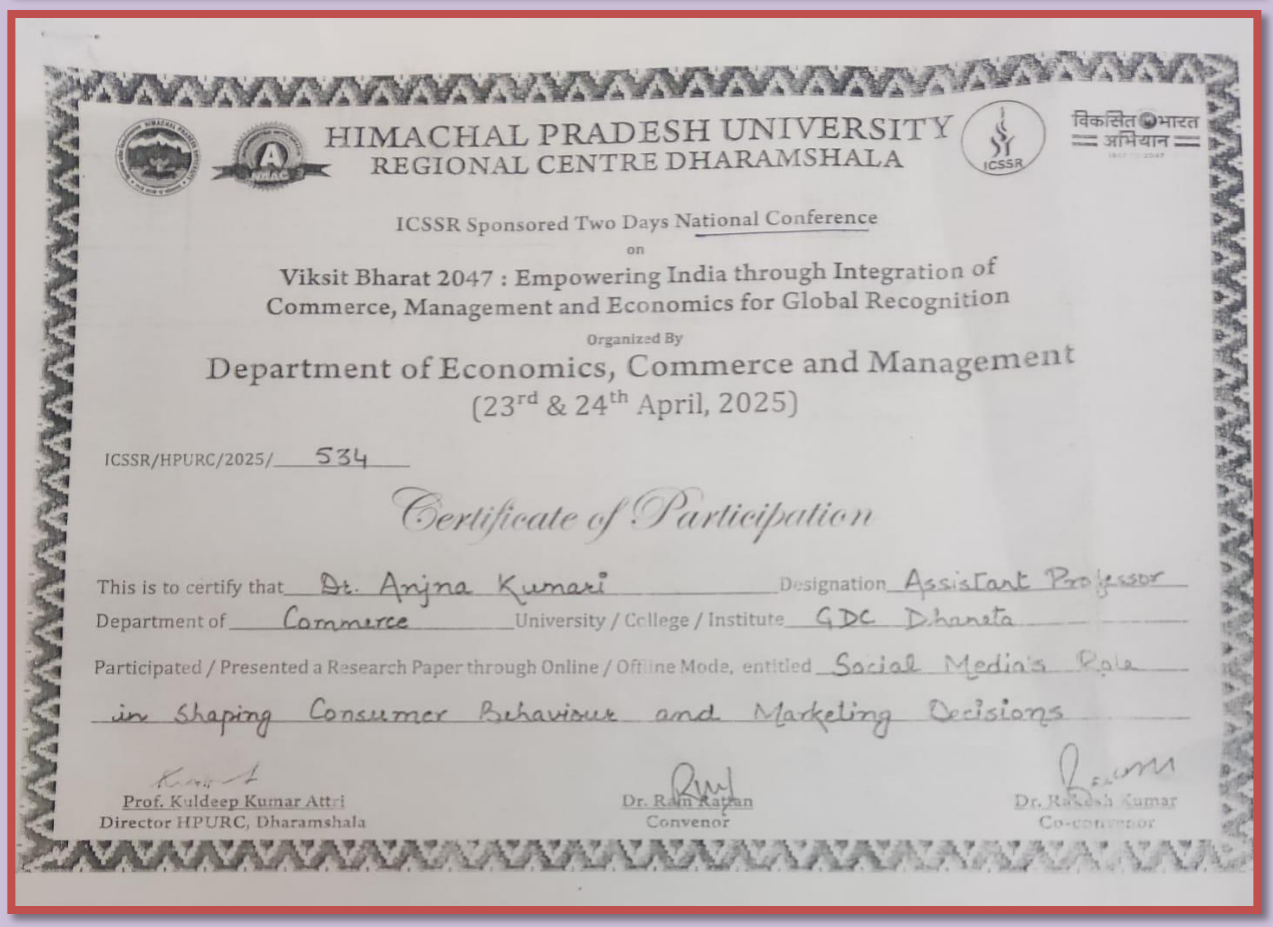
Internal Quality Assurance Cell

GOVT. DEGREE COLLEGE, SUGH-BHATOLI

Certificate of Participation

This is to certify that Dr./Mr./Ms. Ajay Kumar Professor/Associate Professor/ Assistant Professor/Research Scholar/PG/UG Student of Govt. Degree College Dhaneta, Distt. Hamirpur participated in the National Seminar held on 22nd February 2025. He/She has presented research paper/chaired session/article entitled The Role of Infrastructure for Sustainable Development in India: Barriers and Drivers in India.

Co-Convener/Organising Secretary Convener Patron (Principal)



HIMACHAL PRADESH UNIVERSITY
REGIONAL CENTRE DHARAMSHALA

विकसित भारत अभियान

ICSSR Sponsored Two Days National Conference

on

Viksit Bharat 2047 : Empowering India through Integration of Commerce, Management and Economics for Global Recognition

Organized By

Department of Economics, Commerce and Management

(23rd & 24th April, 2025)

ICSSR/HPURC/2025/534

Certificate of Participation

This is to certify that Dr. Anjna Kumari Designation Assistant Professor

Department of Commerce University / College / Institute GDC Dhaneta

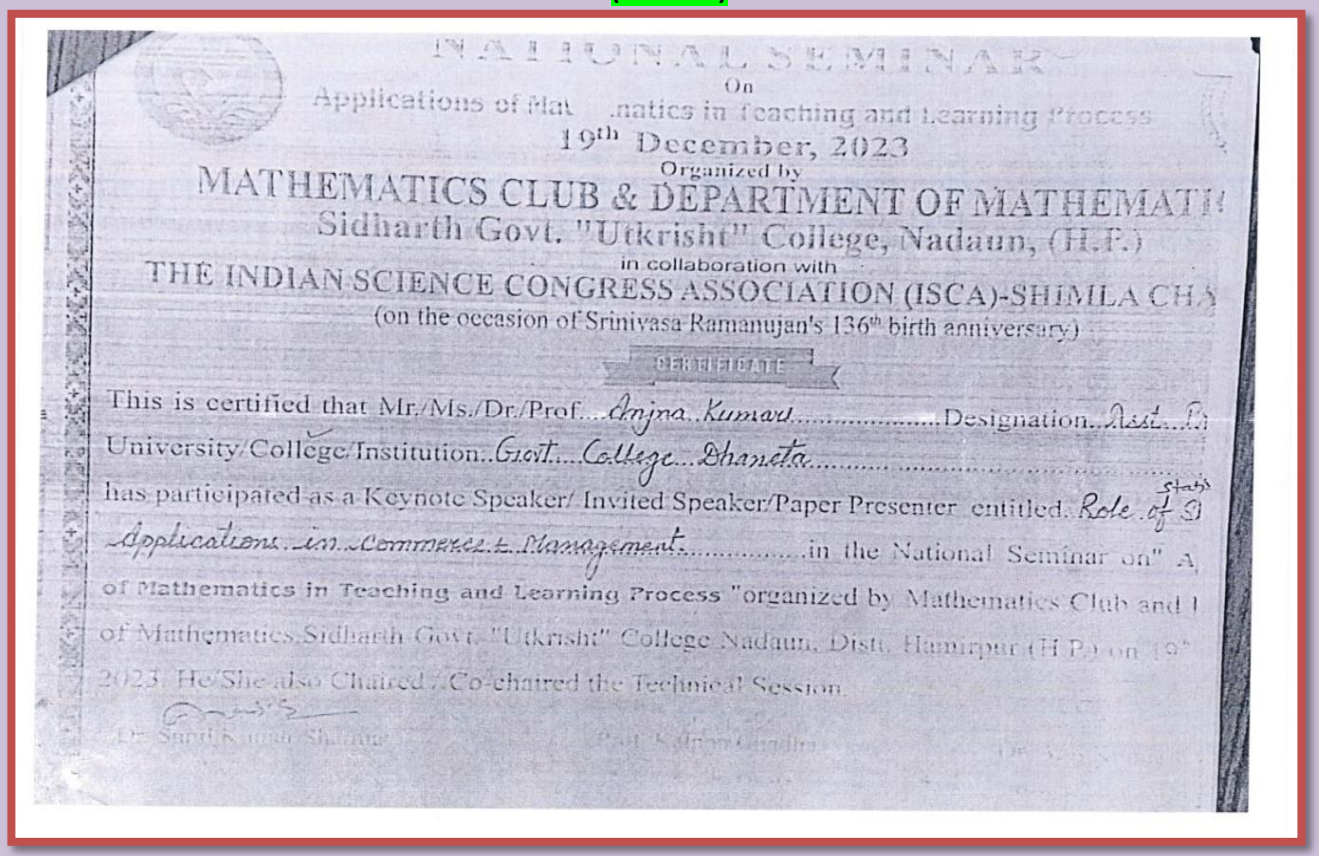
Participated / Presented a Research Paper through Online / Offline Mode, entitled Social Media's Role in Shaping Consumer Behaviour and Marketing Decisions

Prof. Kuldeep Kumar Attri
Director HPURC, Dharamshala

Dr. Ram Ratan
Convenor

Dr. Rakesh Kumar
Co-convenor

(2023-24)



NATIONAL SEMINAR

On

Applications of Mat .natics in Teaching and Learning Process

19th December, 2023

Organized by

MATHEMATICS CLUB & DEPARTMENT OF MATHEMATI

Sidharth Govt. "Utkrisht" College, Nadaun, (H.P.)

in collaboration with

THE INDIAN SCIENCE CONGRESS ASSOCIATION (ISCA)-SHIMLA CHA

(on the occasion of Srinivasa Ramanujan's 136th birth anniversary)

CERTIFICATE

This is certified that Mr./Ms./Dr./Prof. Anjna Kumari Designation Asst. P

University/College/Institution Govt. College Dhaneta

has participated as a Keynote Speaker/ Invited Speaker/Paper Presenter entitled Role of Stats

Applications in Commerce & Management in the National Seminar on" A

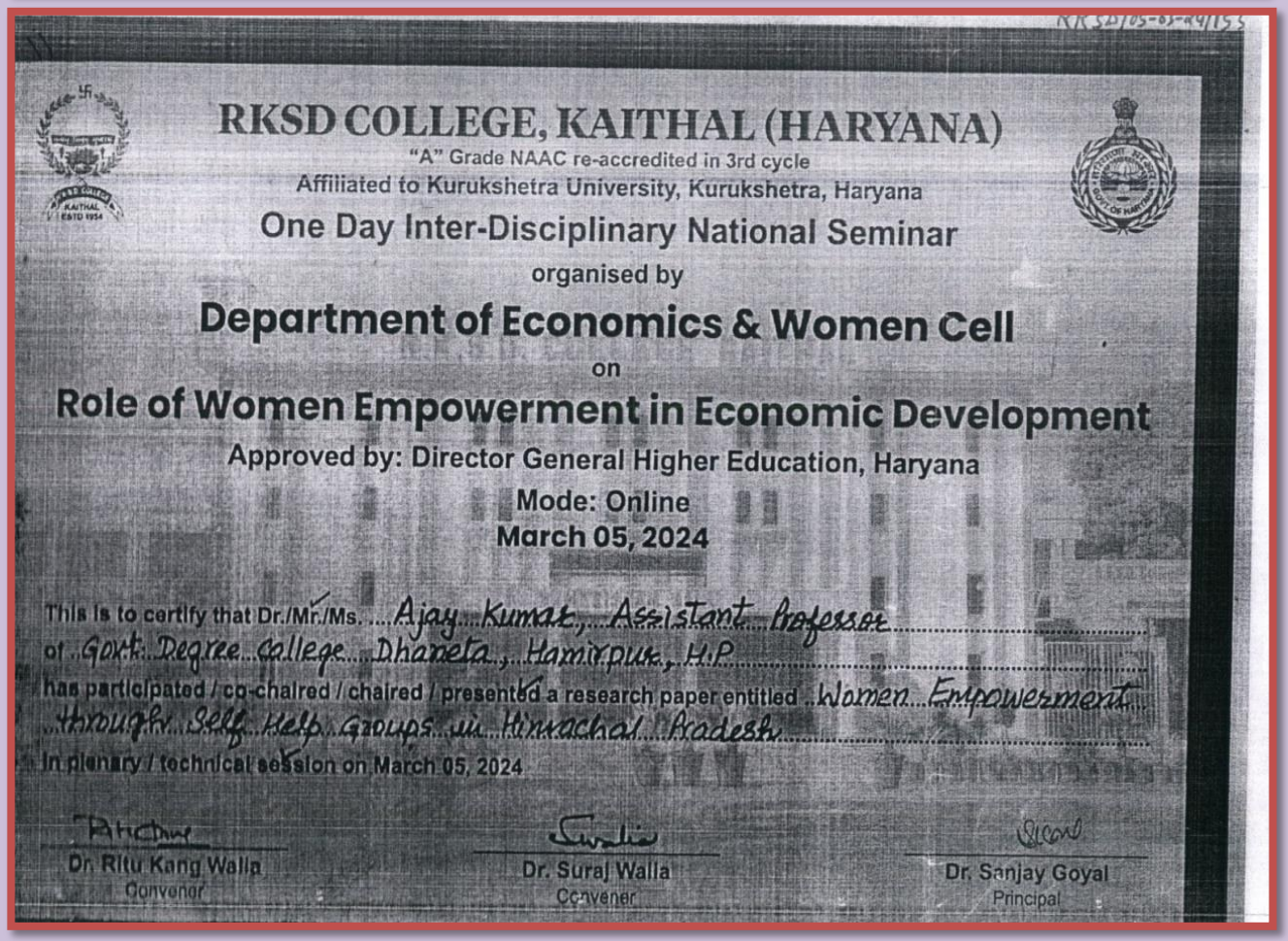
of Mathematics in Teaching and Learning Process "organized by Mathematics Club and I

of Mathematics Sidharth Govt. "Utkrisht" College Nadaun, Distt. Hamirpur (H.P.) on 19th

2023. He/She also Chaired / Co-chaired the Technical Session.

Dr. Sunil Kumar Sharma

Prof. Kalyan Singh



RKSD/05-03-24/153

RKSD COLLEGE, KAITHAL (HARYANA)

"A" Grade NAAC re-accredited in 3rd cycle

Affiliated to Kurukshetra University, Kurukshetra, Haryana

One Day Inter-Disciplinary National Seminar

organised by

Department of Economics & Women Cell

on

Role of Women Empowerment in Economic Development

Approved by: Director General Higher Education, Haryana

Mode: Online

March 05, 2024

This is to certify that Dr./Mr./Ms. Ajay Kumar, Assistant Professor

of Govt. Degree College Dhaneta, Hamirpur, H.P.

has participated / co-chaired / chaired / presented a research paper entitled Women Empowerment

through Self Help Groups in Himachal Pradesh

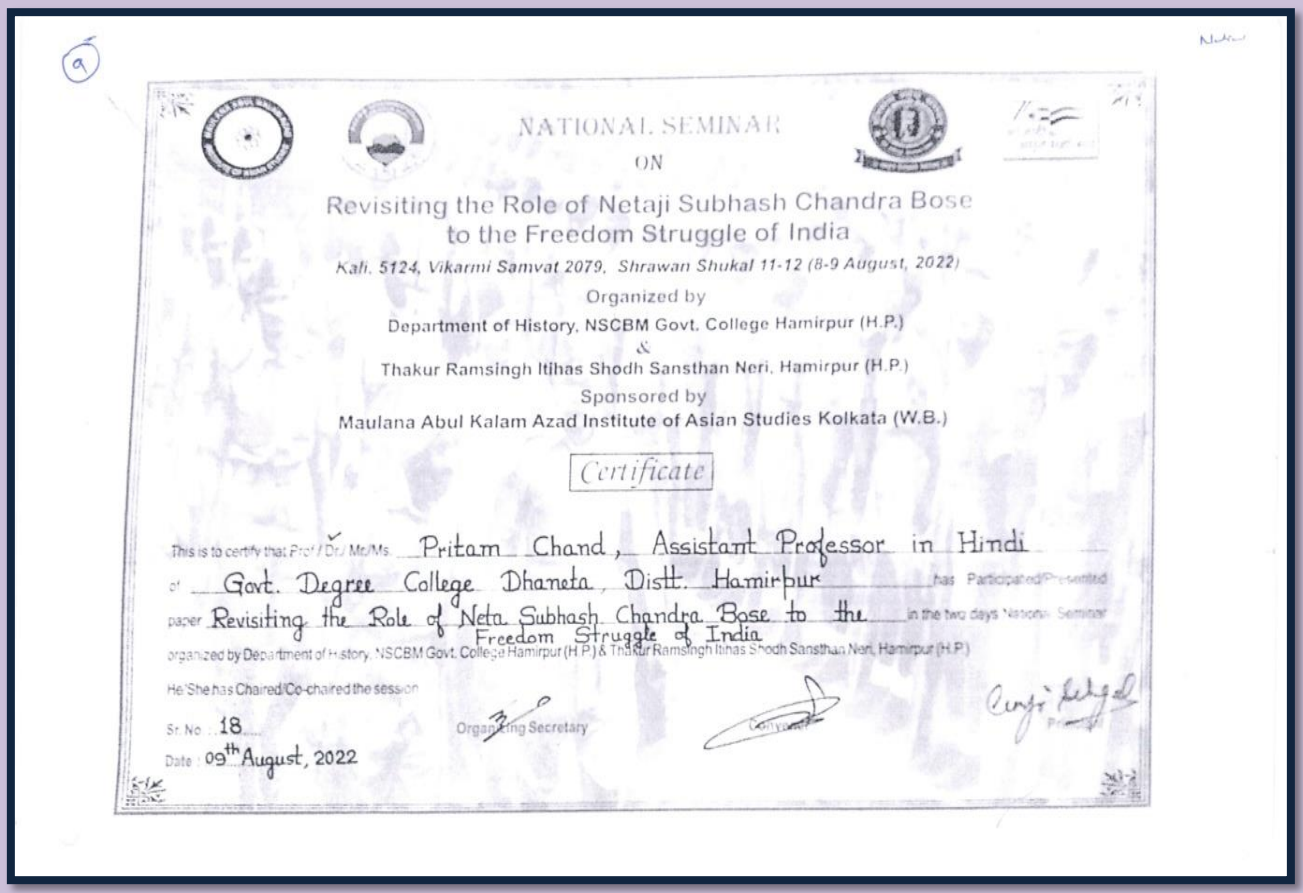
in plenary / technical session on March 05, 2024

Dr. Ritu Kang Walia
Convenor

Dr. Suraj Walia
Convener

Dr. Sanjay Goyal
Principal

(2022-23)



NATIONAL SEMINAR

ON

Revisiting the Role of Netaji Subhash Chandra Bose to the Freedom Struggle of India

Kali. 5124, Vikarmi Samvat 2079, Shrawan Shukal 11-12 (8-9 August, 2022)

Organized by

Department of History, NSCBM Govt. College Hamirpur (H.P.)

&

Thakur Ramsingh Itihas Shodh Sansthan Neri, Hamirpur (H.P.)

Sponsored by

Maulana Abul Kalam Azad Institute of Asian Studies Kolkata (W.B.)

Certificate

This is to certify that Prof./Dr./Mr./Ms. Pritam Chand, Assistant Professor in Hindi of Govt. Degree College Dhaneta, Distt. Hamirpur has Participated/Presented paper Revisiting the Role of Neta Subhash Chandra Bose to the Freedom Struggle of India in the two days National Seminar organized by Department of History, NSCBM Govt. College Hamirpur (H.P.) & Thakur Ramsingh Itihas Shodh Sansthan Neri, Hamirpur (H.P.)

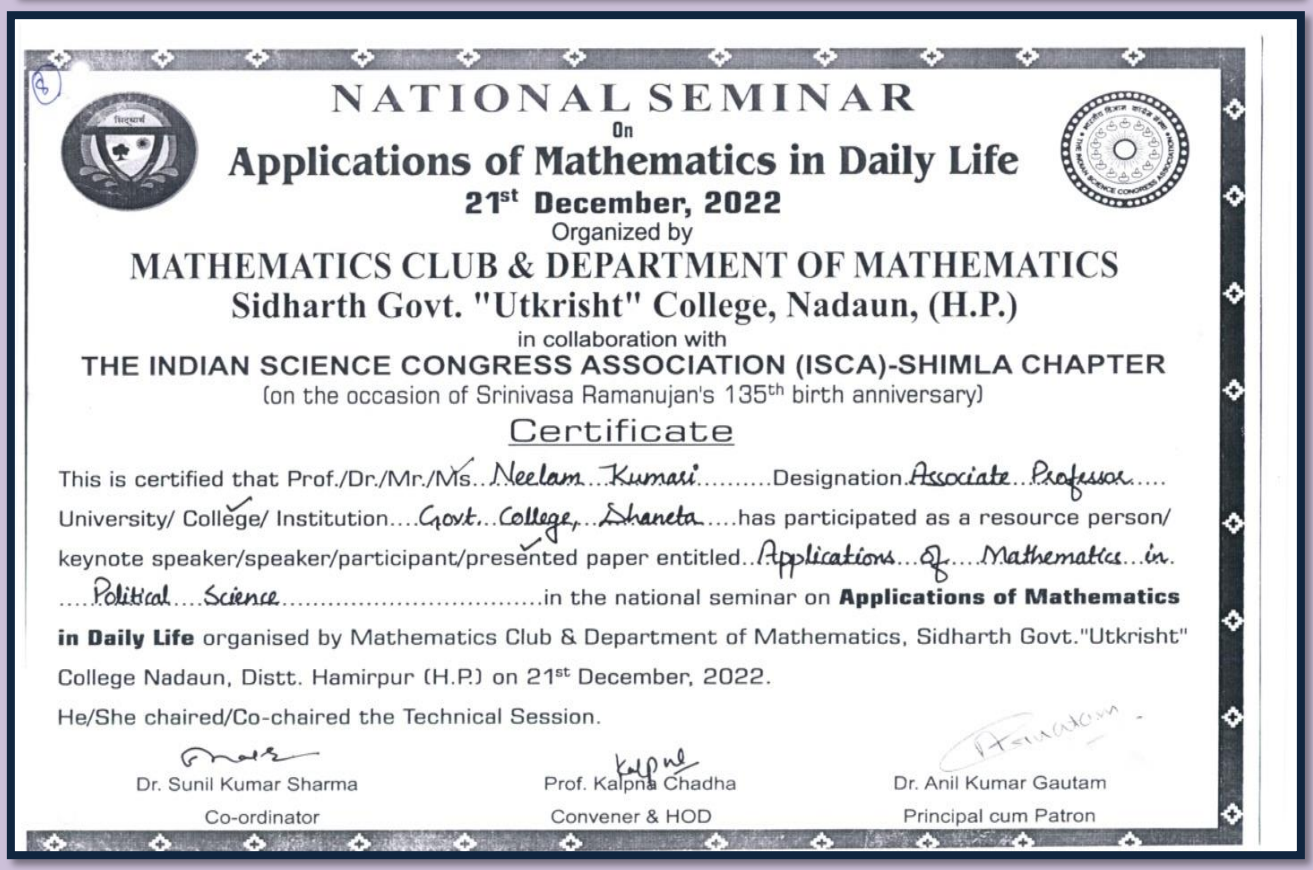
He/She has Chaired/Co-chaired the session

Sr. No. : 18

Date : 09th August, 2022

Organizing Secretary

Convener



NATIONAL SEMINAR

On

Applications of Mathematics in Daily Life

21st December, 2022

Organized by

MATHEMATICS CLUB & DEPARTMENT OF MATHEMATICS

Sidharth Govt. "Utkrisht" College, Nadaun, (H.P.)

in collaboration with

THE INDIAN SCIENCE CONGRESS ASSOCIATION (ISCA)-SHIMLA CHAPTER

(on the occasion of Srinivasa Ramanujan's 135th birth anniversary)

Certificate

This is certified that Prof./Dr./Mr./Ms. Neelam Kumari ..... Designation Associate Professor ..... University/ College/ Institution .... Govt. College, Dhaneta .... has participated as a resource person/ keynote speaker/speaker/participant/presented paper entitled Applications of Mathematics in Political Science ..... in the national seminar on **Applications of Mathematics in Daily Life** organised by Mathematics Club & Department of Mathematics, Sidharth Govt."Utkrisht" College Nadaun, Distt. Hamirpur (H.P.) on 21st December, 2022.

He/She chaired/Co-chaired the Technical Session.

Dr. Sunil Kumar Sharma	Prof. Kalpna Chadha	Dr. Anil Kumar Gautam
Co-ordinator	Convener & HOD	Principal cum Patron

NATIONAL CONFERENCE

on

CULTURE, SCIENCE, SPIRITUALITY & EDUCATION

Organised by

Government College Bassa (Gohar), Mandi, H.P.

In association with

Pratibha Spandan Society, Shimla

(23 December 2022)

Certificate of Participation

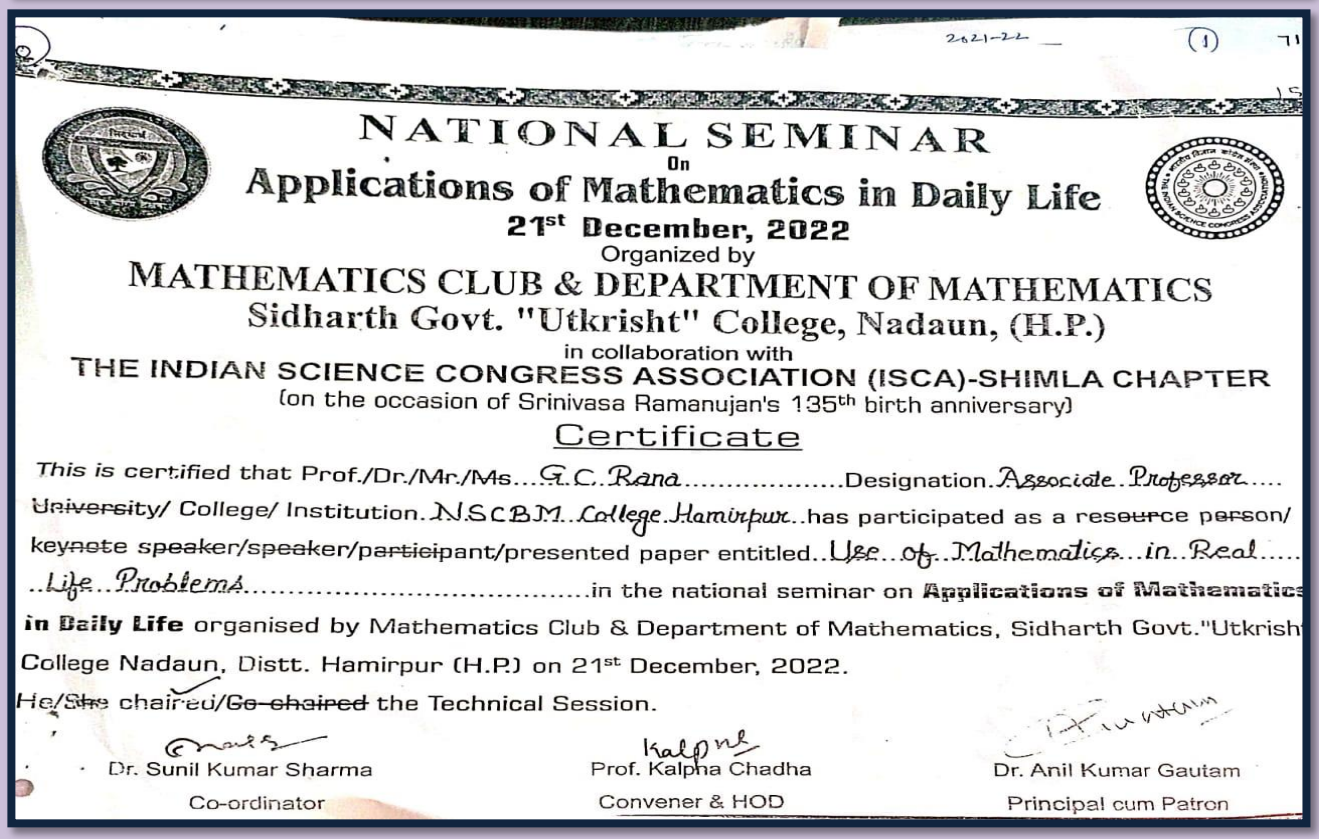
This is to certify that **MS. ANJNA KUMARI, RESEARCH SCHOLAR, DEPARTMENT OF COMMERCE, HIMACHAL PRADESH UNIVERSITY, SUMMER HILL, SHIMLA & ASSISTANT PROFESSOR (COMMERCE), GOVT. DEGREE COLLEGE DHANETA, HAMIRPUR, HIMACHAL PRADESH** has presented a paper on **FACTORS INFLUENCING THE OPINION OF EMPLOYEES TOWARDS INDUSTRIAL RELATIONS: A STUDY OF PHARMACEUTICAL INDUSTRY IN HIMACHAL PRADESH** during the National Conference on *Culture, Science, Spirituality & Education* organized by the Government College Bassa (Gohar), Mandi, Himachal Pradesh in association with Pratibha Spandan Society, Shimla on 23rd December, 2022.

Dr. Mrityunjay Sharma
President
Pratibha Spandan Shimla

Ms. Surima Sharma
Principal
Govt. College Bassa (Gohar), Mandi

Dr. Rattan Thakur
Convener

Dr. Sagar Verma
Organising Secretary



2021-22 (1)

NATIONAL SEMINAR

On

Applications of Mathematics in Daily Life

21st December, 2022

Organized by

MATHEMATICS CLUB & DEPARTMENT OF MATHEMATICS

Sidharth Govt. "Utkrisht" College, Nadaun, (H.P.)

in collaboration with

THE INDIAN SCIENCE CONGRESS ASSOCIATION (ISCA)-SHIMLA CHAPTER

(on the occasion of Srinivasa Ramanujan's 135th birth anniversary)

Certificate

This is certified that Prof./Dr./Mr./Ms...G.C. Rana.....Designation. Associate Professor.....
University/ College/ Institution. N.S.C.B.M. College Hamirpur..has participated as a reseurce person/ keynote speaker/speaker/participant/presented paper entitled..Use of Mathematics in Real.....
..Life Problems.....in the national seminar on **Applications of Mathematics in Daily Life** organised by Mathematics Club & Department of Mathematics, Sidharth Govt."Utkrisht" College Nadaun, Distt. Hamirpur (H.P.) on 21st December, 2022.

He/~~She~~ chaired/~~Co-chaired~~ the Technical Session.

Dr. Sunil Kumar Sharma
Co-ordinator

Prof. Kalpna Chadha
Convener & HOD

Dr. Anil Kumar Gautam
Principal cum Patron

6.7 No. of Papers Published

No. of Paper Presented in Conferences/ Seminars/ Symposia (in last three years):

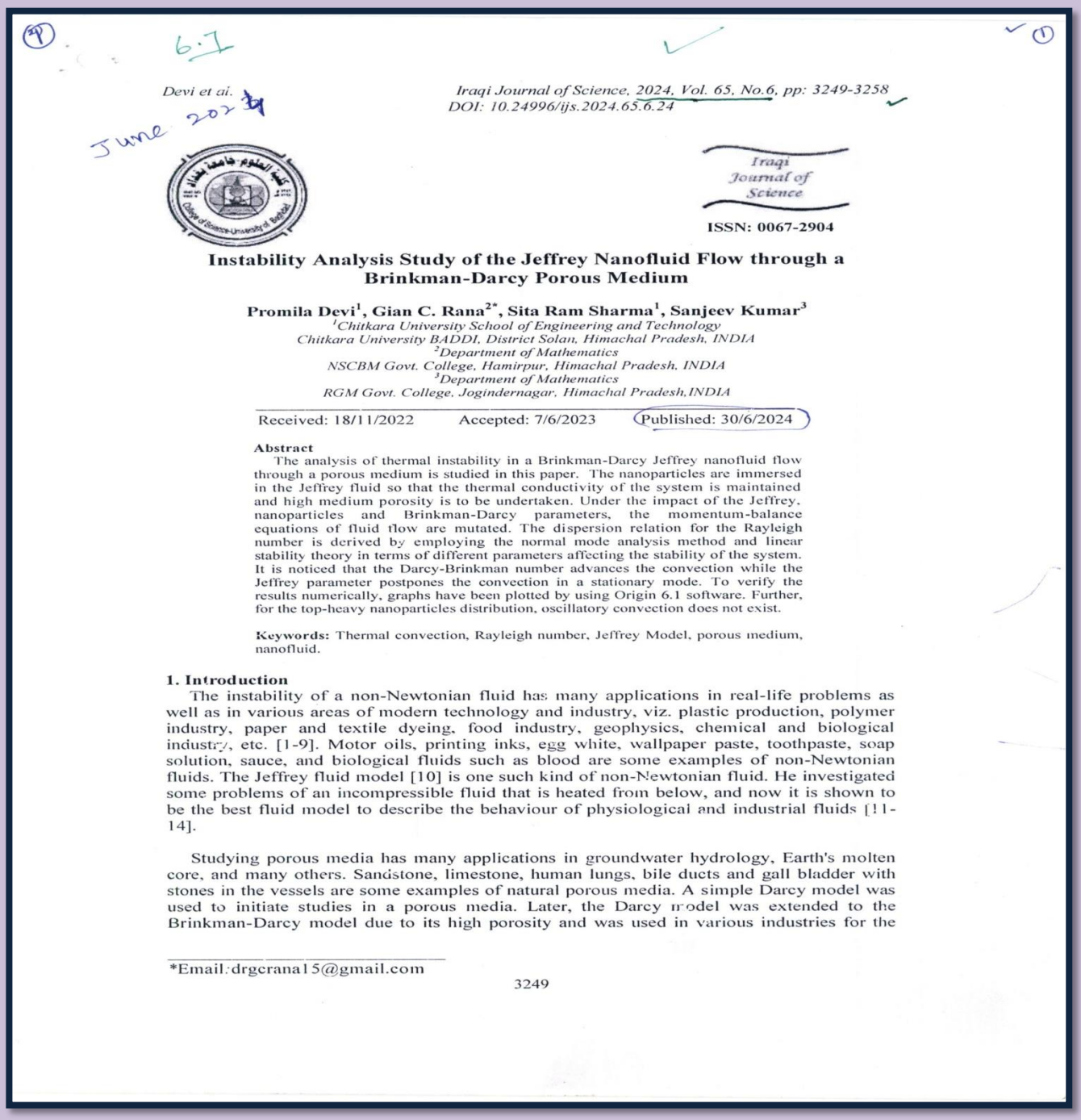
No. of Paper Published:

i. UGC Care List Journal = 08 (08X05=40)

ii. Non-UGC Care List Journals =Nil

iii. Citation = list attached

6.7.1 Papers Published in UGC Care List Journals



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DOI: 10.24996/ijs.2024.65.6.24

Iraqi Journal of Science

ISSN: 0067-2904

Instability Analysis Study of the Jeffrey Nanofluid Flow through a Brinkman-Darcy Porous Medium

Promila Devi[1], Gian C. Rana[2*], Sita Ram Sharma[1], Sanjeev Kumar[3]

[1]*Chitkara University School of Engineering and Technology*
Chitkara University BADDI, District Solan, Himachal Pradesh, INDIA
[2]*Department of Mathematics*
NSCBM Govt. College, Hamirpur, Himachal Pradesh, INDIA
[3]*Department of Mathematics*
RGM Govt. College, Jogindernagar, Himachal Pradesh, INDIA

Received: 18/11/2022 Accepted: 7/6/2023 Published: 30/6/2024

Abstract

The analysis of thermal instability in a Brinkman-Darcy Jeffrey nanofluid flow through a porous medium is studied in this paper. The nanoparticles are immersed in the Jeffrey fluid so that the thermal conductivity of the system is maintained and high medium porosity is to be undertaken. Under the impact of the Jeffrey, nanoparticles and Brinkman-Darcy parameters, the momentum-balance equations of fluid flow are mutated. The dispersion relation for the Rayleigh number is derived by employing the normal mode analysis method and linear stability theory in terms of different parameters affecting the stability of the system. It is noticed that the Darcy-Brinkman number advances the convection while the Jeffrey parameter postpones the convection in a stationary mode. To verify the results numerically, graphs have been plotted by using Origin 6.1 software. Further, for the top-heavy nanoparticles distribution, oscillatory convection does not exist.

Keywords: Thermal convection, Rayleigh number, Jeffrey Model, porous medium, nanofluid.

1. Introduction

The instability of a non-Newtonian fluid has many applications in real-life problems as well as in various areas of modern technology and industry, viz. plastic production, polymer industry, paper and textile dyeing, food industry, geophysics, chemical and biological industry, etc. [1-9]. Motor oils, printing inks, egg white, wallpaper paste, toothpaste, soap solution, sauce, and biological fluids such as blood are some examples of non-Newtonian fluids. The Jeffrey fluid model [10] is one such kind of non-Newtonian fluid. He investigated some problems of an incompressible fluid that is heated from below, and now it is shown to be the best fluid model to describe the behaviour of physiological and industrial fluids [11-14].

Studying porous media has many applications in groundwater hydrology, Earth's molten core, and many others. Sandstone, limestone, human lungs, bile ducts and gall bladder with stones in the vessels are some examples of natural porous media. A simple Darcy model was used to initiate studies in a porous media. Later, the Darcy model was extended to the Brinkman-Darcy model due to its high porosity and was used in various industries for the

*Email: drgcrana15@gmail.com

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2024, VOL. 85, NO. 6, 776–790
https://doi.org/10.1080/10407790.2023.2256970

Effect of variable gravity on thermal convection in Jeffrey nanofluid: Darcy-Brinkman model

Pushap Lata Sharma[a], Deepak Bains[a], and Gian C. Rana[b]

[a]Department of Mathematics & Statistics, Himachal Pradesh University, Shimla, India; [b]Department of Mathematics, NSCBM Government College, Hamirpur, Himachal Pradesh, India

ABSTRACT

The subject under consideration in this research has various geophysical and astrophysical applications. Specifically, we investigate the impact of variable gravity on the onset of thermal instability within a layer of Jeffrey nanofluid confined in a Darcy-Brinkman porous medium. The solution of the fluid layer, which is positioned between two free-free boundaries, is determined using a linear stability analysis employing the normal mode technique. The Rayleigh number on the onset of convection is derived by using the Galerkin method. For stationary convection, the effects of different variable gravity parameters on the Jeffrey parameter, Darcy-Brinkman number, Lewis number, moderated diffusivity ratio, porosity of porous media and nanoparticle Rayleigh number are analyzed and presented graphically. The choices of using Jeffrey nanofluid as the base fluid for the study add novelty. Non-Newtonian fluids encompass a diverse range of substances, such as engine oils, oil extraction, wallpaper paste, and various biological liquids like blood etc.

ARTICLE HISTORY
Received 14 April 2023
Revised 30 August 2023
Accepted 30 August 2023

KEYWORDS
Darcy-Brinkman model; Galerkin technique; Jeffrey nanofluid; porous medium; variable gravity

1. Introduction

Thermal instability problems have attracted significant interest during the last few decades because of their importance in various applications such as geophysics, soil sciences, ground water hydrology, astrophysics, food processing, oceanography, limnology and engineering etc. By examining various forms of fluids, several researchers have looked at issues with thermal instability. Chandrasekhar [1] provided a thorough explanation of how a Newtonian fluid might become thermally unstable under various hydrodynamic and hydromagnetic assumptions. Ranganathan and Viskanta [2] studied boundary-layer flow with mixed convection along a vertical surface embedded in a porous medium while Thermal instability occurring in a heat-generating porous bed with a horizontally layered fluid studied by Poulikakos [3]. Nguyen et al. [4] investigated double-diffusive convection in anisotropic porous media with layered structure.

Ingham et al. [5] as well as Nield et al. [6–8] provided a helpful review of the instability issues in a porous media.

The word "nanofluid" was initially defined by Choi [9]. Nanofluids consist of suspended nano-sized particles which are generally made up of metals, metal oxides and metal carbides. Recent work on nanofluids by taking into account of nanoparticles aggregation are done by Shah et al. [10–12], Awan et al. [13–15], Ali et al. [16,17] and Akbar et al. [18]. Convection of nanofluids was scrutinized by Buongiorno in [19] and Buongiorno's model has attracted great interest in the recent years. Buongiorno's model was later studied by the experts [20–35]. Later, Rana [36] and Rana and Gautam [37] looked into the thermal instability of Jeffrey nanofluid. A Maxwellian

CONTACT Gian C. Rana drgcrana15@gmail.com Department of Mathematics, NSCBM Government College, Hamirpur, Himachal Pradesh, India

Special Topics & Reviews in Porous Media — An International Journal, 15(5):25–40 (2024)

EFFECT OF VARIABLE GRAVITY ON THERMAL CONVECTION IN ROTATING JEFFREY NANOFLUID: DARCY–BRINKMAN MODEL

Deepak Bains,[1,] Pushap Lata Sharma,[1] & G.C. Rana[2]*

[1]*Department of Mathematics & Statistics, Himachal Pradesh University, Summer Hill, Shimla, Himachal Pradesh, 171005, India*

[2]*Department of Mathematics, Netaji Subhash Chandra Bose Memorial PG College, Hamirpur, Himachal Pradesh, 177005, India*

*Address all correspondence to: Deepak Bains, Department of Mathematics & Statistics, Himachal Pradesh University, Summer Hill, Shimla, Himachal Pradesh, 171005, India, E-mail: deepakbains123@gmail.com

Original Manuscript Submitted: 7/29/2023; Final Draft Received: 11/27/2023

In this study, we explore the influence of varying gravity on the beginning of thermal instability in a rotating layer of Jeffrey nanofluid with Darcy–Brinkman porous media. The solution of the fluid layer retained between two free–free barriers is determined using linear stability analysis based on the normal mode approach. In this study, we used the Galerkin approach to find the eigenvalue. The influence of exponential and cubic variable gravity on the start of stationary and oscillatory convection is calculated analytically and graphically. The graphs are made with the help of MATLAB R2021b software. For both stationary and oscillatory convection, we've examined how variations in gravity affect the Jeffrey parameter, rotation (Taylor number), Darcy–Brinkman number, Lewis number, moderated diffusivity ratio, porosity of porous media, and nanoparticle Rayleigh number. It is discovered that stationary as well as oscillatory convections are more stabilized by negative exponential variable gravity parameter.

KEY WORDS: *Jeffrey nanofluid, variable gravity, Darcy–Brinkman model, Galerkin technique, rotation, porous medium*

1. INTRODUCTION

Nanofluids are common in nature: blood, for example, is a complex biological nanofluid in which various nanoparticles (with diameter less than 100 nm) carry out various tasks. Numerous biological and atmospheric natural processes include diverse fluid and nanoscale particle combinations. A nanofluid is an aqueous or nonaqueous dispersion medium in which regular nanosized particles, such as metals (Al; Cu), metal oxides (Al_2O_3; CuO), metal carbides (CiS), nitrides, and carbon nanotubes are suspended. Nanofluids are now thought of as the next-generation heat transfer fluid because of their distinct chemical and physical characteristics. Choi and Eastman (1995) coined the term "nanofluid." Due to their unique features, nanofluids have the potential to be beneficial in a wide range of heat transfer applications, such as those in microelectronics (such as capacitors, resistors, and transistors), electrochemical cells, and in automobiles for the production of hybrid power engines, etc. Optimal nanodrug targeting and implantable nanotherapeutic devices are two further remarkable uses of nanofluids in biomedical engineering and medicine.

Chandrasekhar (2013) has provided a thorough explanation of how a Newtonian fluid might become thermally unstable under various hydrodynamic and hydromagnetic assumptions. Based on Buongiorno's concept, convection of nanofluids has garnered a lot of attention. According to Buongiorno (2006), the base fluid velocity and a relative (slip) velocity may be regarded as the cause of the absolute nanoparticle velocity. Researchers Nield and Kuznetsov (2009, 2010), Kuznetsov and Nield (2010), Sheu (2011a,b), Tzou (2008a,b), and Sharma et al. (2023c) all look at convection in nanofluids.

2151-4798/24/$35.00

Journal of Porous Media 27(10):73–96 (2024)

ON THERMAL CONVECTION IN ROTATING CASSON NANOFLUID PERMEATED WITH SUSPENDED PARTICLES IN A DARCY-BRINKMAN POROUS MEDIUM

Pushap Lata Sharma,[1] Deepak Bains,[1] & Gian Chand Rana[2,]*

[1]*Department of Mathematics & Statistics, Himachal Pradesh University, Summer Hill, Shimla-171005, India*

[2]*Department of Mathematics, NSCBM Govt. College Hamirpur, Himachal Pradesh, 177005, India*

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Original Manuscript Submitted: 2/11/2024; Final Draft Received: 3/12/2024

The present paper investigates the effect of suspended particles on thermal convection in rotating Casson nanofluids saturating a Darcy-Brinkman porous medium which has various applications in different sectors, including those that process food, paint, water generators, electricity generators, hydrology, and geophysics, heavily rely on rotation in thermal convection. With the aid of the Galerkin 1st approximation technique, the numerical examination is carried out. The Darcy-Brinkman porous media and particles suspension are taken into consideration throughout the conduct of this study. The non-Newtonian Casson nanofluid, Darcy-Brinkman porous medium, particle suspension and rotation parameter, and their impact on thermal convection have been analyzed and presented graphically for free-free, rigid-rigid, and rigid-free boundaries. It is found that for all boundary conditions the Casson nanofluid and suspended particle parameters have destabilizing impact on the stationary convection, whereas the parameter which occurred due to presence of rotation, i.e., Taylor number and Brinkman porous medium parameters, both delayed the stationary convection. In addition, we have discovered that for realistic rigid-rigid boundary condition, the system is determined to be more stable than for the other two boundary conditions. Also, on the basis of several approximations on the Taylor number and other parameters, the critical wave number and value for stationary convection are determined.

KEY WORDS: *Casson nanofluid, normal model technique, suspended particles, Darcy-Brinkman model, Galerkin 1st approximation, rotation*

1. INTRODUCTION

The term "nanofluid" was initially coined by Choi (1995) (Choi and Eastman, 1995) to describe a novel fluid composed of traditional fluids blended with minute amounts of suspended metallic or non-metallic particles. This concept has garnered significant attention in recent years within the scientific community. Nanofluids are colloidal mixtures containing nanoparticles, typically in the size range of 1 to 100 nm, dispersed within a base fluid. Nanofluids are recognized for their exceptional heat-transfer efficiency, surpassing that of conventional fluids. This property has led to their extensive acceptance in diverse applications, including the improvement of heat dissipation in electronic devices, medical equipment, and exploration of their potential as advanced vehicular fuels. The utilization of nanofluids in these contexts signifies their growing importance in enhancing thermal management and energy efficiency across multiple domains.

Buongiorno (2006) shed light on the symbiotic relationship between base fluid velocity and relative velocity, defining the absolute velocity of nanoparticles as a product of their relationship. Chandrasekhar (2013) studied how

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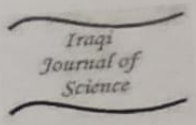

ISSN: 0067-2904

Instability Analysis Study of the Jeffrey Nanofluid Flow through a Brinkman-Darcy Porous Medium

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Abstract

The analysis of thermal instability in a Brinkman-Darcy Jeffrey nanofluid flow through a porous medium is studied in this paper. The nanoparticles are immersed in the Jeffrey fluid so that the thermal conductivity of the system is maintained and high medium porosity is to be undertaken. Under the impact of the Jeffrey, nanoparticles and Brinkman-Darcy parameters, the momentum-balance equations of fluid flow are mutated. The dispersion relation for the Rayleigh number is derived by employing the normal mode analysis method and linear stability theory in terms of different parameters affecting the stability of the system. It is noticed that the Darcy-Brinkman number advances the convection while the Jeffrey parameter postpones the convection in a stationary mode. To verify the results numerically, graphs have been plotted by using Origin 6.1 software. Further, for the top-heavy nanoparticles distribution, oscillatory convection does not exist.

Keywords: Thermal convection, Rayleigh number, Jeffrey Model, porous medium, nanofluid.

1. Introduction

The instability of a non-Newtonian fluid has many applications in real-life problems as well as in various areas of modern technology and industry, viz. plastic production, polymer industry, paper and textile dyeing, food industry, geophysics, chemical and biological industry, etc. [1-9]. Motor oils, printing inks, egg white, wallpaper paste, toothpaste, soap solution, sauce, and biological fluids such as blood are some examples of non-Newtonian fluids. The Jeffrey fluid model [10] is one such kind of non-Newtonian fluid. He investigated some problems of an incompressible fluid that is heated from below, and now it is shown to be the best fluid model to describe the behaviour of physiological and industrial fluids [11-14].

Studying porous media has many applications in groundwater hydrology, Earth's molten core, and many others. Sandstone, limestone, human lungs, bile ducts and gall bladder with stones in the vessels are some examples of natural porous media. A simple Darcy model was used to initiate studies in a porous media. Later, the Darcy model was extended to the Brinkman-Darcy model due to its high porosity and was used in various industries for the

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Pushap Lata Sharma[1], Ajit Kumar[1], Praveen Lata[1], Gian Chand Rana[2]*

EFFECT OF MAGNETIC FIELD ON THERMAL INSTABILITY IN ROTATING JEFFREY NANOFLUID SATURATED BY A POROUS MEDIUM: FREE-FREE, RIGID-RIGID AND RIGID-FREE BOUNDARY CONDITIONS

UTICAJ MAGNETNOG POLJA NA TERMIČKU NESTABILNOST ROTIRAJUĆEG JEFFREY NANOFLUIDA ZASIĆENOG POROZNOM SREDINOM, GRANIČNIH ULOVA: SLOBODNO-SLOBODNO, KRUTO-KRUTO I KRUTO-SLOBODNO

Originalni naučni rad / Original scientific paper
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Keywords
- convection
- nanofluid
- Jeffrey model
- Rayleigh number
- porous media

Abstract

The effect of a revolving Jeffrey nanofluid in a porous medium exposed to a magnetic field is examined in this paper. Three distinct boundary conditions are used to examine the system: free-free, rigid-rigid, and rigid-free. The study examines how the magnetic field impacts the behaviour of the spinning nanofluid inside the porous media using analytical methods and mathematical models. The results broaden our understanding of the connection between rotation, the magnetic field and the special rheological properties of the Jeffrey nanofluid in porous media. The impacts of the Rayleigh number, Lewis number, modified diffusivity ratio, Jeffrey parameter, Chandrashekar number, Taylor number, and porosity of the nanoparticles are investigated through the application of both mathematical and graphical approaches.

Ključne reči
- konvekcija
- nanofluid
- Jeffrey model
- Rejlejev broj
- porozna sredina

Izvod

U ovom radu se proučava uticaj na rotirajući Jeffrey nanofluid u poroznoj sredini, koji je izložen magnetnom polju. Primenjena su tri specifična granična uslova za istraživanje sistema: slobodno-slobodno, kruto-kruto, i kruto-slobodno. Primenom analitičkih metoda i matematičkih modela, izučava se uticaj magnetnog polja na ponašanje rotirajućeg nanofluida unutar porozne sredine. Dobijeni rezultati proširuju naše razumevanje povezanosti rotacije, magnetnog polja i posebnih reoloških osobina Jeffrey nanofluida u poroznoj sredini. Istražuju se uticaji Rejlejevog broja, Luisovog broja, modifikovanog odnosa difuzivnosti, Jeffrey parametra, Čandrašekarovog broja, Tejlorovog broja, i poroznost nanočestica, uz primenu matematičkog i grafičkog pristupa.

INTRODUCTION

Non-Newtonian fluids are employed in many different contexts, from everyday goods to manufacturing processes. Understanding their rheological behaviour is crucial in a variety of industries, including food processing, medicines, cosmetics, petroleum engineering and materials research. In many situations, scientists and engineers utilize rheological models to predict and describe the behaviour of non-Newtonian fluids. The Jeffrey fluid model is one type of non-Newtonian fluid model that enhances the conventional Newtonian model with elasticity effects. The elasticity of the fluid and a material parameter that symbolizes the shear rate determine the shear stress in a Jeffrey fluid. Spinning Jeffrey nanofluids are employed in a wider view of technological and commercial applications, where control over fluid behaviour, heat transfer and magnetic fields are essential.

There are various applications for magnetic materials, including heat exchangers, cooling systems, materials processing, magnetic drug targeting, biomedical applications, magnetorheological devices, cooling systems, and electrokinetic devices. These applications highlight the versatility of rotating Jeffrey nanofluids in a range of disciplines where their unique thermal and rheological properties, along with the influence of magnetic fields, can be applied for specific goals. Research in this area is expanding as engineers and scientists explore novel applications of nanofluids to enable advancements in technology.

Newtonian fluids include engine oil, soap solutions, sauces, foam, paints, lubricants and biological fluids like blood and synovial fluid. The modelling of non-Newtonian fluids has produced a number of constitutive relations due to the importance of non-Newtonian fluids in contemporary technology and industry. The Jeffrey non-Newtonian fluid model is one of these constitutive relations. A linear model called the Jeffrey fluid model substitutes time derivatives for convective derivatives. Jeffrey /5/ investigated the stability of a fluid layer that had been heated from below. He came up with a numerical solution to a few issues with the stability of a layer in a compressible fluid as temperature rises. Chandrasekhar /3/ has provided a thorough literature assessment on thermal instability in a Newtonian fluid. The Jeffrey fluid model has been researched by numerous researchers /1, 4, 6, 12-23/ and as a result, it is today regarded as the best fluid

*Pushap Lata Sharma[1], Praveen Lata[1], Deepak Bains[1], Ajit Kumar[1], Gian C. Rana[2]**

ON THE ONSET OF STATIONARY CONVECTION ON JEFFREY NANOFLUID LAYER SATURATED WITH A POROUS MEDIUM: BRINKMAN MODEL

O POJAVI STACIONARNE KONVEKCIJE U SLOJU JEFFREY NANOFLUIDA KOJI JE ZASIĆEN POROZNOM SREDINOM: BRINKMAN MODEL

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Keywords
- thermal instability
- nanoparticles
- nanofluids
- Brownian motion

Abstract

In this paper, we investigate the onset of convection in a Jeffrey nanofluid layer saturated with the porous medium using Darcy-Brinkmann model. Normal mode analysis and Galerkin type weighted residual method (GWRM) are used to analyse conservation equations. Effects of Brownian motion and thermophoresis are taken into account in the Jeffrey nanofluid model. The Buongiorno model deployed for nanoparticles incorporates the influences of thermophoresis and Brownian motion. Three cases of free-free, rigid-rigid and rigid-free boundaries are considered. For stationary convection, the effects of Darcy number, Jeffrey parameter, Lewis number, nanoparticle Rayleigh number, porosity and modified diffusivity ratio for all the above mentioned boundary conditions are investigated analytically and graphically. The numerical computed values of stationary thermal Rayleigh number are presented graphically for three distinct combinations of boundary conditions. The study is of great significance in many different areas such as automotive, pharmaceutical, geophysics, soil sciences, food processing, oceanography, limnology, etc., and excellent coincidence is found regarding the present paper and earlier published work.

Ključne reči
- toplotna nestabilnost
- nanočestice
- nanofluidi
- Braunovo kretanje

Izvod

U ovom radu istražujemo pojavu konvekcije u sloju Jeffrey nanofluida koji je zasičen poroznom sredinom, i to primenom Darcy-Brinkman modela. Za analize jednačina ravnoteže koriste se analiza u normalnom modu i analiza težinskim ostatkom tipa Galerkin (GWRM). Uticaji Braunovog kretanja i termoforeze se razmatraju u modelu Jeffrey nanofluida. Uvedeni model Buongiorno za nanočestice sadrži uticaje termoforeze i Braunovog kretanja. Razmotrena su tri slučaja slobodno-slobodno, kruto-kruto i kruto-slobodno graničnih uslova. Pri stacionarnoj konvekciji istraženi su uticaji Darcijevog broja, Jeffrey parametra, Luisovog broja, Rejlejevog broja za nanočestice, poroznosti i modifikovanog odnosa difuznosti za sve gore navedene granične uslove, i to analitički i grafički. Numerički sračunate vrednosti stacionarnog termičkog Rejlejevog broja su predstavljene grafički za tri kombinacije graničnih uslova. Ova istraživanja su od velikog značaja u mnogim oblastima kao što su automobilska industrija, farmaceutika, geofizika, nauka o tlu, procesiranje hrane, okeanografija, limnologija, itd., a uočava se izvanredno poklapanje rezultata sa onima u ranijim objavljenim radovima.

INTRODUCTION

A liquid that contains suspended submicroscopic solid particles, commonly referred to as nanoparticles, is referred to as a 'nanofluid'. The term was first used by Choi /20/. As stated by Masuda et al. /15/, the distinguishing characteristic of nanofluids is thermal conductivity enhancement.

According to Buongiorno and Hu /23/, this phenomenon raises the prospect of employing nanofluids in sophisticated nuclear systems. Buongiorno conducted a thorough analysis of convective transport in nanofluids and claims that an acceptable explanation for the unexpected rise in thermal conductivity and viscosity has not yet been discovered. He concentrated on the additional heat transfer improvement seen in convective conditions. Buongiorno points out that a number of writers have proposed that the dispersion of the suspended nanoparticles may be the cause of the enhanced convective heat transfer, but he contends that this impact is insufficient to account for the observed boost. Buongiorno comes to the conclusion that the presence of nanoparticles has no effect on turbulence, hence it is unable to account for the observed boost. The increase of heat transmission has also been attributed to particle rotation, but Buongiorno determines that this impact is insufficient to account for the result. Buongiorno developed a novel model based on the mechanics of the nanoparticle/base-fluid relative velocity after ruling out dispersion, turbulence and particle rotation as key factors for heat transfer amplification.

According to Buongiorno, the base fluid velocity and a relative velocity (which he refers to as slip velocity) may be combined to form the nanoparticle absolute velocity. He thought about each of the following seven slide processes in turn: gravity settling, fluid drainage, inertia, Brownian diffusion, thermophoresis, and diffusiophoresis.

April 2025

Multiscale and Multidisciplinary Modeling, Experiments and Design (2025) 8:272
https://doi.org/10.1007/s41939-025-00856-6

ORIGINAL PAPER

Darcy-Brinkman magneto-thermal convection in a layer of Casson nanofluid permeated with suspended dust particles

Deepak Bains[1] · Pushap Lata Sharma[1] · Gian Chand Rana[2]

Received: 21 January 2025 / Accepted: 22 March 2025

Abstract
The investigation of Darcy-Brinkman magneto-thermal convection in Casson nanofluids containing suspended dust particles holds significant relevance for advanced heat transfer systems, energy storage technologies, and thermal management applications in aerospace, microelectronics, and biomedical devices. It also plays a vital role in optimizing industrial processes involving nanofluid suspensions under magnetic influences. In this study, we analyse the impact of an applied magnetic field on thermal convection in a Casson nanofluid permeated with suspended dust particles within a Darcy-Brinkman porous medium, considering free-free, rigid-rigid, and rigid-free thermally conducting boundary conditions. The magnetic field, Casson fluid parameter, and nanoparticle effects are incorporated into the momentum balance equations. Using linear stability theory, a dispersion relation for the Rayleigh number is derived to predict the onset of convection. The analysis employs both analytical and numerical methods, with computational support from Wolfram Mathematica and graphical visualization via MATLAB. The study presents a detailed examination of key parameters—including the Casson parameter, suspended particle concentration, Darcy-Brinkman number, Lewis number, modified diffusivity ratio, porosity of the medium, and nanoparticle Rayleigh number—to assess their stabilizing or destabilizing effects on the initiation of convection under various boundary configurations. Results indicate that both the Casson parameter and the suspended particle parameter act to destabilize the magneto-convective system across all boundary types, while the Darcy-Brinkman number consistently exhibits a stabilizing influence. All findings are thoroughly compared with existing literature through both graphical and analytical means, ensuring the validity and significance of the results.

Keywords Magnetic field · Thermal convection · Suspended dust particles · Darcy-Brinkman porous medium · Casson nanofluid · Rayleigh number

List of symbols

B	Suspended particle parameter
C_{pt}	Heat capacity of the suspended particles
D_B	Brownian diffusion coefficient of the nanoparticles
D_T	Thermophoresis diffusion coefficient of the nanoparticles
$\mathbf{g}$	Gravity
K'	Stokes drag co-efficient
L_e	Lewis number
k_1	Medium permeability of fluid
k_m	Thermal conductivity of the fluid
mN	Mass of the dust particles per unit volume
$N(\overline{x}, t)$	Number density of nanoparticles
n	The growth rate
Pr_1	Prandtl number
$\mathbf{q_D}(u, v, w)$	Darcy velocity vector
R_D	Rayleigh Darcy number
R_m	Density Rayleigh number
R_x	Nanoparticle Rayleigh number
$(R_D)_{cri}$	Critical Rayleigh-Darcy number
V_a	Vadasz number

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6.7 (iii) **Citations**

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Principal, Government College, Dhaneta,
District Hamirpur, Himachal Pradesh, INDIA
Fluid Mechanics
Nanofluid
Convection in porous media

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not available — available

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TITLE	CITED BY	YEAR
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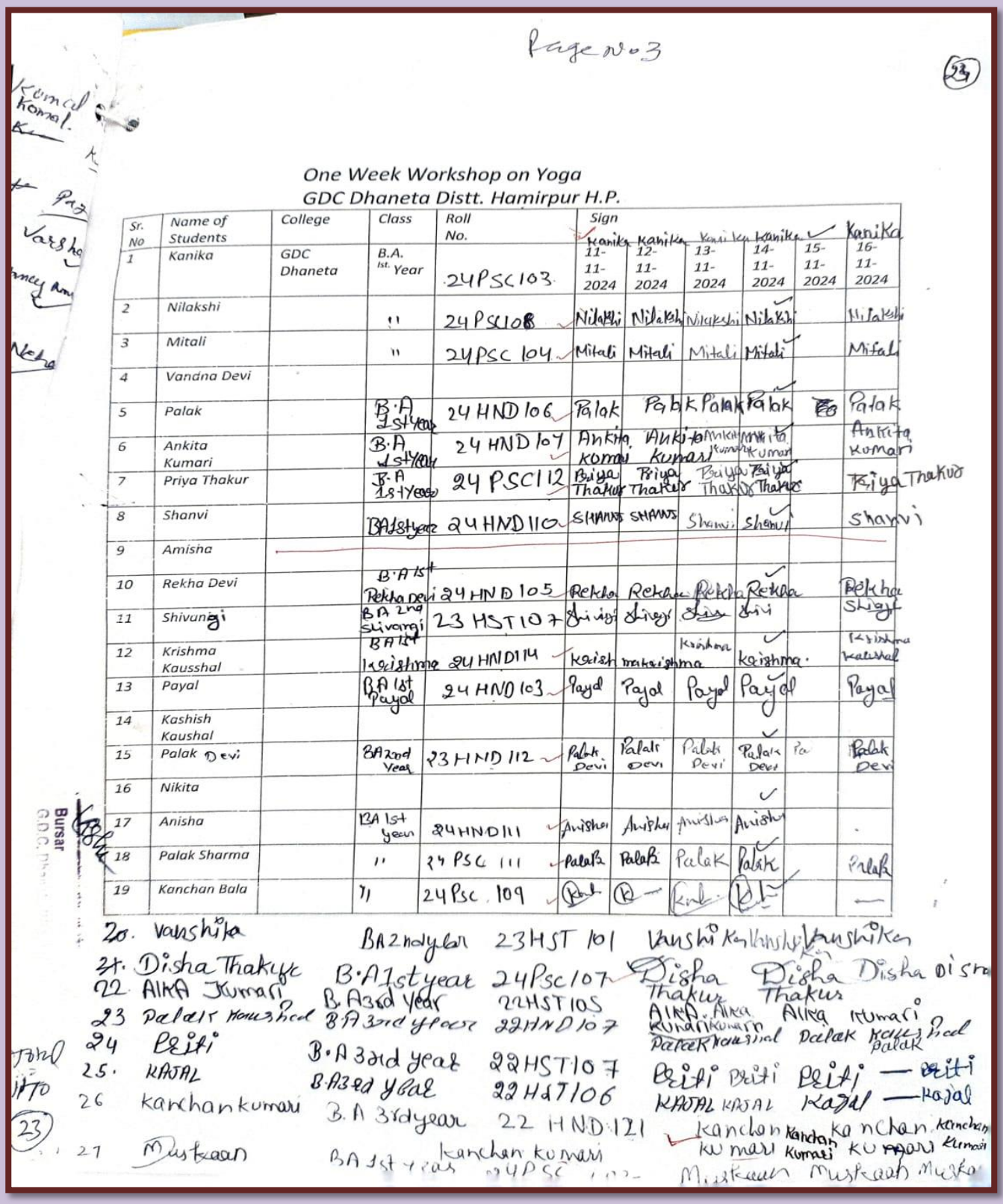
Magneto convection in a layer of nanofluid in porous medium—a more realistic approach R Chand, GC Rana Journal of Nanofluids 4 (2), 196-202	48	2015
Thermal instability in a Brinkman porous medium saturated by nanofluid with ...tiele flux on boundaries	41	2014

6.8 Teachers' Special Innovative Ideas (Brief description thereof)

Participants List of Yoga

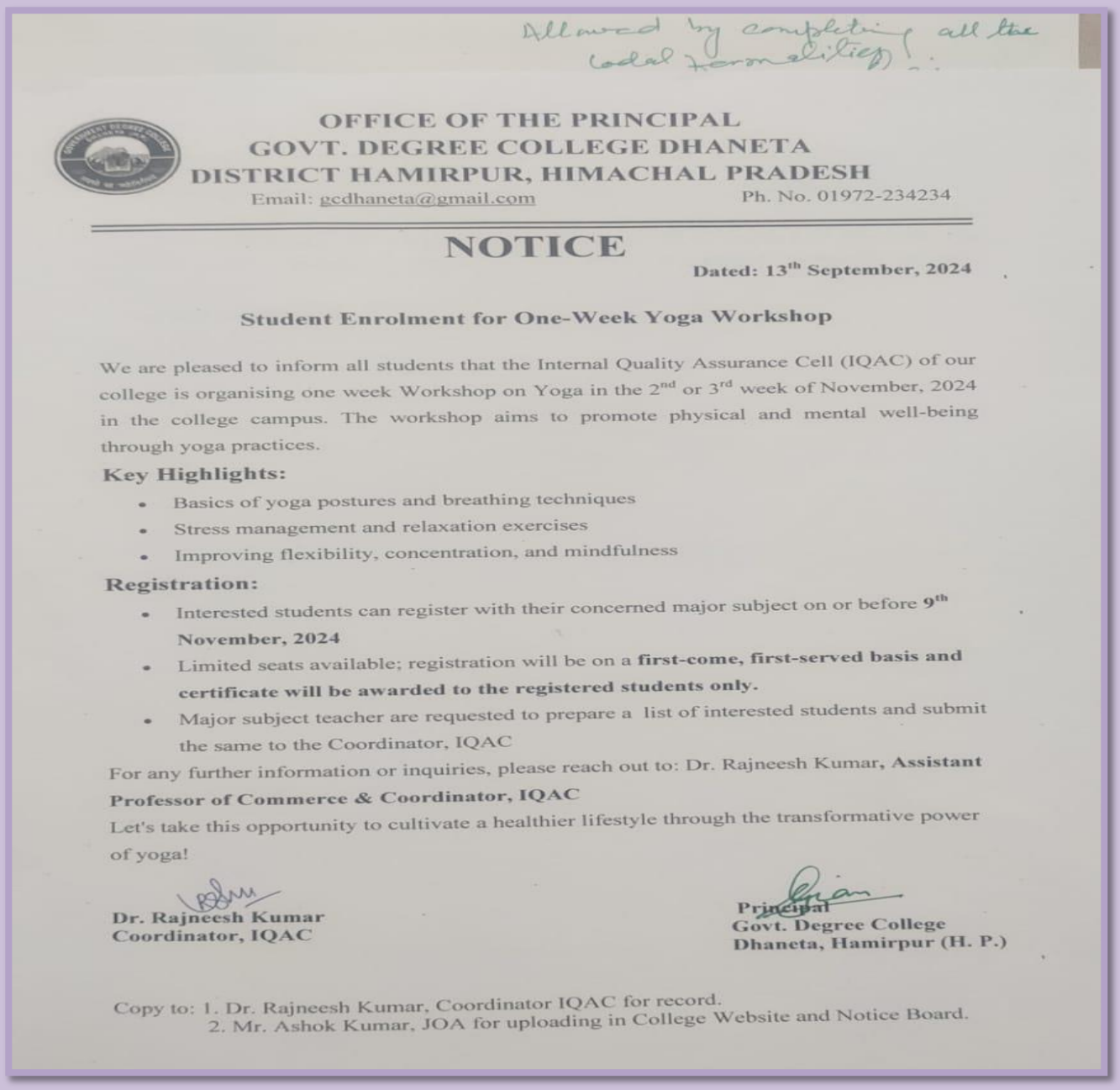


Page No 3

One Week Workshop on Yoga
GDC Dhaneta Distt. Hamirpur H.P.

Sr. No	Name of Students	College	Class	Roll No.	Sign 11-11-2024	12-11-2024	13-11-2024	14-11-2024	15-11-2024	16-11-2024
1	Kanika	GDC Dhaneta	B.A. Ist. Year	24PSC103	Kanika	Kanika	Kanika	Kanika		Kanika
2	Nilakshi		"	24PSC108	Nilakshi	Nilakshi	Nilakshi	Nilakshi		Nilakshi
3	Mitali		"	24PSC 104	Mitali	Mitali	Mitali	Mitali		Mitali
4	Vandna Devi									
5	Palak		B.A 1st Year	24 HND 106	Palak	Palak	Palak	Palak		Palak
6	Ankita Kumari		B.A 1st Year	24 HND 107	Ankita Komari	Ankita Kumari	Ankita Kumari	Ankita Kumari		Ankita Kumari
7	Priya Thakur		B.A 1st Year	24 PSC 112	Priya Thakur	Priya Thakur	Priya Thakur	Priya Thakur		Priya Thakur
8	Shanvi		BA 1st year	24 HND 110	SHANVI	SHANVI	Shanvi	Shanvi		Shanvi
9	Amisha									
10	Rekha Devi		B.A 1st Rekha Devi	24 HND 105	Rekha	Rekha	Rekha	Rekha		Rekha
11	Shivangi		BA 2nd Shivangi BA 1st	23 HST 107	Shivangi	Shivangi	Shivangi	Shivangi		Shivangi
12	Krishma Kausshal		Krishma	24 HND 114	Krish	Krishma	Krishma	Krishma		Krishma Kaushal
13	Payal		BA 1st Payal	24 HND 103	Payal	Payal	Payal	Payal		Payal
14	Kashish Kaushal									
15	Palak Devi		BA 2nd Year	23 HND 112	Palak Devi	Palak Devi	Palak Devi	Palak Devi	Pa	Palak Devi
16	Nikita									
17	Anisha		BA 1st year	24 HND 111	Anisha	Anisha	Anisha	Anisha		
18	Palak Sharma		"	24 PSC 111	Palak	Palak	Palak	Palak		Palak
19	Kanchan Bala		"	24 Psc 109	Kanchan	Kanchan	Kanchan	Kanchan		—

20. Vanshika — BA 2nd year — 23HST 101 — Vanshi Kanvanshi Vanshika
21. Disha Thakur — B.A 1st year — 24Psc107 — Disha Thakur Disha Thakur Disha Disha
22 Alka Kumari — B.A 3rd Year — 22HST105 — Alka Kumari Alka Kumari Alka Kumari
23 Palak Kaushal — BA 3rd year — 22HND107 — Palak Kaushal Palak Kaushal Palak
24 Priti — B.A 3rd year — 22HST107 — Priti Priti Priti — Priti
25. KAJAL — B.A 3rd Year — 22HST106 — KAJAL KAJAL Kajal — Kajal
26 kanchan kumari — B.A 3rd year — 22 HND 121 — kanchan kumari Kanchan kumari Kanchan kumari Kanchan kumari
27 Mustkeen — BA 1st year — kanchan kumari 24PSC — Mustkeen Mustkeen Mustkeen



Allowed by completing all the codal formalities!

OFFICE OF THE PRINCIPAL
GOVT. DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR, HIMACHAL PRADESH
Email: gcdhaneta@gmail.com Ph. No. 01972-234234

NOTICE

Dated: 13th September, 2024

Student Enrolment for One-Week Yoga Workshop

We are pleased to inform all students that the Internal Quality Assurance Cell (IQAC) of our college is organising one week Workshop on Yoga in the 2nd or 3rd week of November, 2024 in the college campus. The workshop aims to promote physical and mental well-being through yoga practices.

Key Highlights:

- Basics of yoga postures and breathing techniques
- Stress management and relaxation exercises
- Improving flexibility, concentration, and mindfulness

Registration:

- Interested students can register with their concerned major subject on or before **9th November, 2024**
- Limited seats available; registration will be on a **first-come, first-served basis and certificate will be awarded to the registered students only.**
- Major subject teacher are requested to prepare a list of interested students and submit the same to the Coordinator, IQAC

For any further information or inquiries, please reach out to: Dr. Rajneesh Kumar, **Assistant Professor of Commerce & Coordinator, IQAC**

Let's take this opportunity to cultivate a healthier lifestyle through the transformative power of yoga!

Dr. Rajneesh Kumar
Coordinator, IQAC

Principal
Govt. Degree College
Dhaneta, Hamirpur (H. P.)

Copy to: 1. Dr. Rajneesh Kumar, Coordinator IQAC for record.
2. Mr. Ashok Kumar, JOA for uploading in College Website and Notice Board.

Notice circulated by Worthy Principal for Student Enrolment in Yoga Workshop on 13th September 2024

अम्र उजाला
12-11-2024

धनेटा में योग शिविर शुरू, 16 तक चलेगा

धनेटा(हमीरपुर)। राजकीय महाविद्यालय धनेटा में सोमवार को सात दिवसीय योग शिविर का शुभारंभ प्राचार्य, डॉ. ज्ञानचंद राणा की अध्यक्षता एवं दिशा निर्देशन में हुआ।

महाविद्यालय की आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ के तत्वाधान में इस शिविर का आयोजन किया जा रहा है, जो 16 नवंबर तक सुबह 8:30 बजे से लेकर 10:30 बजे तक नियमित रूप से प्रतिदिन चलेगा। कार्यक्रम का शुभारंभ मां सरस्वती की पूजा एवं दीप प्रज्वलन के साथ हुआ।

सोमवार के योग शिविर में मुख्य अतिथि के रूप में प्राचार्य ने शिरकत की। मुख्य अतिथि ने योग शिविर में आए हुए योग प्रशिक्षकों, शारीरिक शिक्षक दिनेश कुमार एवं गणमान्य अतिथियों महाविद्यालय के छात्रों तथा राजकीय महाविद्यालय धनेटा द्वारा गोद लिए गए विद्यालयों धनेटा, कोंग, बटरान, बटरान, हथोल तथा धनेटा से आए हुए विद्यार्थियों का स्वागत किया।

उन्होंने कहा कि वर्तमान समय में योग का महत्व दिन-प्रतिदिन बढ़ता जा रहा है। इस शिविर में लगभग 90 विद्यार्थियों ने भाग लिया। योग

दिव्य हिमाचल
13-11-2024

धनेटा कालेज में योग शिविर का शुभारंभ

धनेटा। राजकीय महाविद्यालय धनेटा में सात दिवसीय योग शिविर का शुभारंभ कालेज प्राचार्य डा. ज्ञानचंद राणा द्वारा दीप प्रज्वलित कर किया गया। यह शिविर 11 नवंबर से 16 नवंबर तक सुबह 8:30 बजे से लेकर 10:30 बजे तक नियमित रूप से प्रतिदिन चलेगा। कार्यक्रम के समन्वयक डा. रजनीश कुमार ने मुख्यातिथि कालेज प्राचार्य डा. ज्ञानचंद राणा, योग प्रशिक्षक बिलराज, संजय कुमार एवं अरुणा तथा राजकीय उच्च पाठशाला धनेटा (कन्या) से आए शारीरिक शिक्षक दिनेश कुमार का स्वागत एवं अभिनंदन किया। इस योग शिविर में लगभग 90 विद्यार्थियों ने भाग लिया। योग प्रशिक्षक बिलराज तथा संजय ने कालेज के छात्रों को योग से संबंधित विभिन्न प्रकार की प्रक्रियाओं और आसनों से परिचित करवाया।

शिक्षा | धनेटा कालेज ने पनसाई, बटरान और हथोल स्कूल को लिया गोद

धनेटा कालेज-तीनों स्कूलों के बीच समझौता ज्ञापन

निजी संवाददाता-धनेटा

राजकीय महाविद्यालय धनेटा ने राजकीय वरिष्ठ माध्यमिक पाठशाला पनसाई, बटरान तथा हथोल को गोद लिया। इस संबंध में राजकीय महाविद्यालय धनेटा और तीनों विद्यालयों के बीच एक समझौता ज्ञापन (एमओयू) पर हस्ताक्षर किए गए। राजकीय महाविद्यालय धनेटा का गोद लेने का मुख्य उद्देश्य विद्यालय विकास की योजना बनाना, संकाय और ढांचागत संसाधनों को साझा करना, सर्वोत्तम प्रथाओं का आदान-प्रदान, कौशल आधारित प्रमाणन पाठ्यक्रम संचालित करना, विद्यार्थियों को कैरियर परामर्श एवं मार्गदर्शन प्रदान करना, नशीली दवाओं के दुरुपयोग और यौन उत्पीड़न पर व्याख्यान आयोजित करना, छात्रों और शिक्षकों के लिए सहयोगात्मक कार्यशाला और प्रशिक्षण आयोजित करना, राष्ट्रीय एवं अंतरराष्ट्रीय ख्याति के विद्वानों द्वारा विभिन्न क्षेत्रों पर विशेष व्याख्यानों का आयोजन, स्टाफ/छात्रों को मार्गदर्शन प्रदान करना, शैक्षिक, सांस्कृतिक तथा कौशल विकास के क्षेत्रों में सहयोग को बढ़ावा देना और दोनों संस्थानों के विद्यार्थियों एवं शिक्षकों को विविध परियोजनाओं में संलग्न करना है। यह समझौता पांच वर्षों के लिए प्रभावी रहेगा और इसे आपसी सहमति से अतिरिक्त पांच वर्षों के लिए बढ़ाया जा सकता है। कालेज प्राचार्य, स्कूल प्रधानाचार्य और वरिष्ठ शिक्षकों ने इस पहल का स्वागत किया और कहा कि यह कदम दोनों संस्थानों के लिए एक महत्वपूर्ण उपलब्धि है, जो छात्रों के भविष्य को नई दिशा प्रदान करेगा। इस समझौते ज्ञापन पर प्राचार्य डा. ज्ञान चंद राणा राजकीय महाविद्यालय धनेटा, प्रधानाचार्य राजकीय वरिष्ठ माध्यमिक पाठशाला पनसाई डा. राजेश कुमार, प्रधानाचार्य राजकीय वरिष्ठ माध्यमिक पाठशाला बटरान विजय कुमार तथा प्रधानाचार्य राजकीय वरिष्ठ माध्यमिक पाठशाला हथोल राज कुमार ने डा. रजनीश कुमार सहायक आचार्य चाणिज्य, रविंदर कुमार प्रवक्ता राजनीतिक विज्ञान राजकीय वरिष्ठ माध्यमिक पाठशाला हथोल के समक्ष अपने हस्ताक्षर किए।

धनेटा कॉलेज ने तीन स्कूल लिए गोद

दिव्य हिमाचल, 13-11-2024

धनेटा कॉलेज के प्राचार्य और हथोल स्कूल के प्रधानाचार्य एमओयू पर हस्ताक्षर करने के उपरांत। और संलग्न

धनेटा(हमीरपुर)। राजकीय वरिष्ठ माध्यमिक पाठशाला पनसाई, बटरान और हथोल को राजकीय महाविद्यालय धनेटा ने गोद लिया है। इस संबंध में राजकीय महाविद्यालय धनेटा और तीनों विद्यालयों के बीच एक समझौता ज्ञापन(एमओयू) पर हस्ताक्षर किए गए। राजकीय महाविद्यालय धनेटा का गोद लेने का मुख्य उद्देश्य विद्यालय विकास की योजना बनाना, संकाय और ढांचागत संसाधनों को साझा करना, सर्वोत्तम प्रथाओं का आदान-प्रदान, कौशल आधारित प्रमाणन पाठ्यक्रम संचालित करना, विद्यार्थियों को कैरियर परामर्श एवं मार्गदर्शन प्रदान करना, नशीली दवाओं के दुरुपयोग और यौन उत्पीड़न पर व्याख्यान आयोजित करना और दोनों संस्थानों के विद्यार्थियों एवं शिक्षकों को विविध परियोजनाओं में संलग्न करना है। यह समझौता पांच वर्षों के लिए प्रभावी रहेगा और इसे आपसी सहमति से अतिरिक्त पांच वर्षों के लिए बढ़ाया जा सकता है। संवाद

Two- Week Beautician Course:

BEAUTICIAN COURSE

Two Week Beautician Course

February 17-March 03, 2025

TIME: 1PM-4PM

GOVT. DEGREE COLLEGE DHANETA HAMIRPUR (H. P.)

Overview: This course will provide students with foundational beautician skills, enabling them to explore creativity, enhance personal grooming, and gain practical knowledge. The skills acquired can be beneficial for self-employment, part-time work, or personal development.

Course Highlights:

- Hands-on training in beauty and grooming techniques
- Enhancement of creativity and personal styling
- Opportunity to develop skills for self-employment and career growth

ORGANISED BY:
Internal Quality Assurance Cell (IQAC) & Women Grievance Redressal Cell (GWRC), New Initiative Committee (NIC) & Student and Faculty Empowerment Committee, Govt. Degree College Dhaneta District Hamirpur (H. P.)

Detail of Course

Day 1-2: Introduction to Beautician Skills

- Overview of the beauty industry.
- Basics of personal grooming and hygiene.

Day 3-4: Skincare Techniques

- Understanding skin types and common skin issues.
- Basic facial techniques and skincare routines.

Day 5-6: Makeup Artistry

- Introduction to makeup tools and products.
- Basic makeup application (day look, evening look).

Day 7-8: Haircare and Styling

- Basics of haircare and hair types.
- Simple hairstyling techniques (braiding, curling, straightening).

Day 9-10: Nail Art and Hand Care

- Basic manicure and pedicure techniques.
- Introduction to nail art and design.

Day 11-12: Advanced Techniques

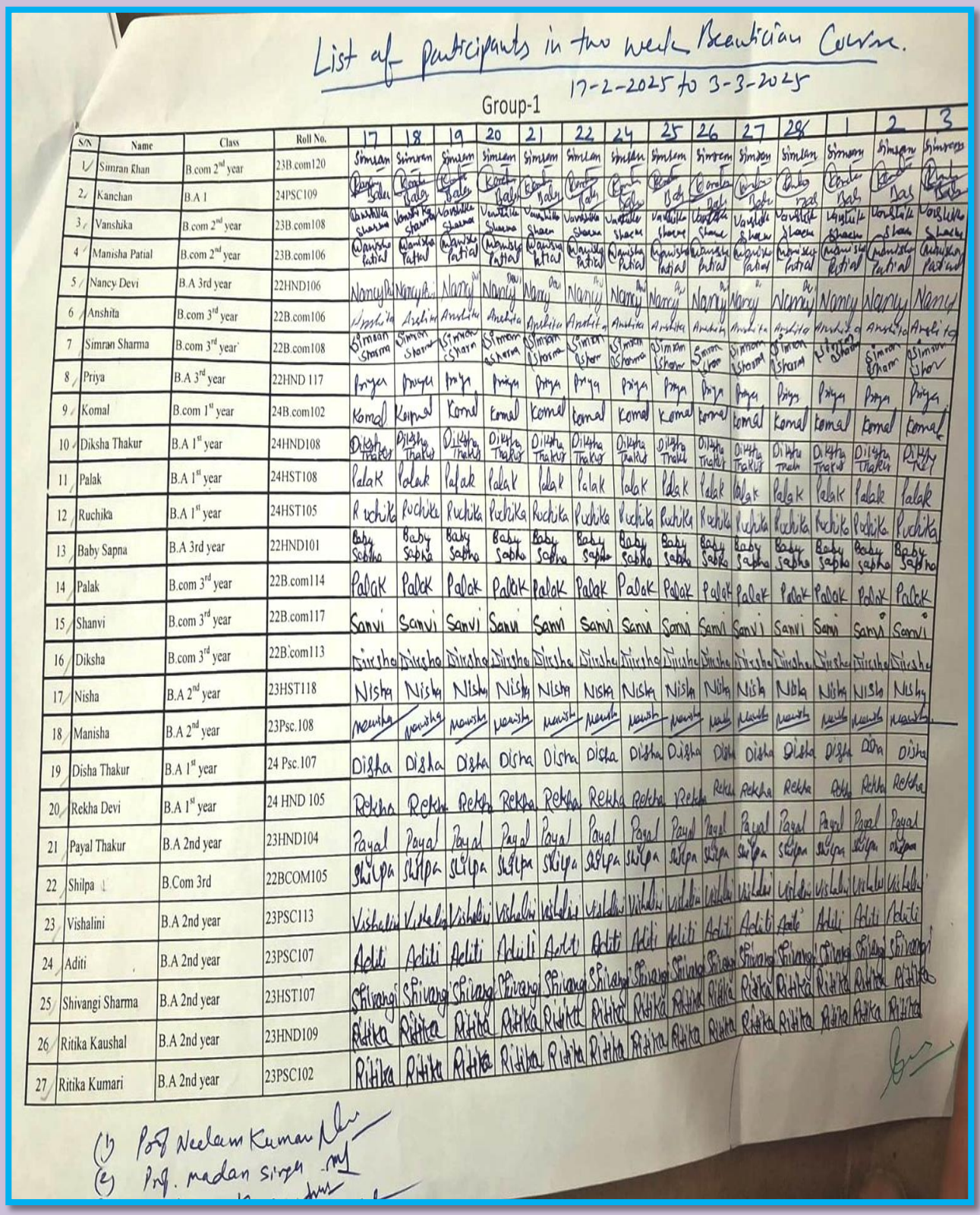
- Threading, waxing, and eyebrow shaping.
- Special occasion makeup and hairstyling.
- Mehandi Design and Training

Day 13-14: Entrepreneurship and Final Showcase

- Basics of starting a beauty-related business.
- Students showcase their skills in a final practical session.
- Certificate distribution and feedback.

Participants List

Fifty students have been participated in this course. The lists of the participants are given as under:



List of participants in two week Beautician Course.

17-2-2025 to 3-3-2025

Group-1

S/N	Name	Class	Roll No.	17	18	19	20	21	22	24	25	26	27	28	1	2	3
1	Simran Khan	B.com 2nd year	23B.com120														
2	Kanchan	B.A 1	24PSC109														
3	Vanshika	B.com 2nd year	23B.com108														
4	Manisha Patial	B.com 2nd year	23B.com106														
5	Nancy Devi	B.A 3rd year	22HND106														
6	Anshita	B.com 3rd year	22B.com106														
7	Simran Sharma	B.com 3rd year	22B.com108														
8	Priya	B.A 3rd year	22HND 117														
9	Komal	B.com 1st year	24B.com102														
10	Diksha Thakur	B.A 1st year	24HND108														
11	Palak	B.A 1st year	24HST108														
12	Ruchika	B.A 1st year	24HST105														
13	Baby Sapna	B.A 3rd year	22HND101														
14	Palak	B.com 3rd year	22B.com114														
15	Shanvi	B.com 3rd year	22B.com117														
16	Diksha	B.com 3rd year	22B.com113														
17	Nisha	B.A 2nd year	23HST118														
18	Manisha	B.A 2nd year	23Psc.108														
19	Disha Thakur	B.A 1st year	24 Psc.107														
20	Rekha Devi	B.A 1st year	24 HND 105														
21	Payal Thakur	B.A 2nd year	23HND104														
22	Shilpa	B.Com 3rd	22BCOM105														
23	Vishalini	B.A 2nd year	23PSC113														
24	Aditi	B.A 2nd year	23PSC107														
25	Shivangi Sharma	B.A 2nd year	23HST107														
26	Ritika Kaushal	B.A 2nd year	23HND109														
27	Ritika Kumari	B.A 2nd year	23PSC102														

(1) Prof Neelam Kumari

(2) Prof. madan singh

स्किन केयर के लिए ब्यूटीशियन कोर्स शुरू

ब्यूटीशियन कोर्स के शुभारंभ पर मुख्यातिथि के साथ विद्यार्थी। -स्रोत : संस्थान

धनेटा(हमीरपुर)। राजकीय महाविद्यालय धनेटा में सोमवार को ब्यूटीशियन कोर्स का शुभारंभ हुआ। कोर्स शुभारंभ पर राजकीय महाविद्यालय शिवनगर की प्राचार्य डॉ. संगीता सिंह बतौर मुख्यातिथि उपस्थित हुई। उन्होंने कहा कि इस कोर्स का उद्देश्य छात्राओं को ब्यूटी और वैलनेस के क्षेत्र में प्रशिक्षित करना है। महाविद्यालय के प्राचार्य, डॉ. ज्ञानचंद राणा ने कहा कि यह कोर्स छात्राओं को ब्यूटी और वैलनेस के क्षेत्र में करियर बनाने के लिए एक अच्छा अवसर प्रदान करेगा। साथ ही उन्होंने कहा कि इस कोर्स में 40 महाविद्यालय के छात्र एवं छात्राएं पंजीकृत हैं, जो अपने को इस कोर्स से लाभान्वित करेंगे। कार्यक्रम के प्रशिक्षक कविता ने कहा कि कोर्स के दौरान, छात्राओं को ब्यूटी और वैलनेस के विभिन्न पहलुओं पर प्रशिक्षित किया जाएगा, जिनमें मेकअप, हेयर स्टाइलिंग, स्किन केयर और अन्य कला कौशल शामिल हैं। संवाद

Two-Week Skill-Based Fashion Designing Training Programme

धनेटा कॉलेज में सिलाई, कढ़ाई सीखेंगे प्रशिक्षु

धनेटा महाविद्यालय में प्रशिक्षण शिविर के शुभारंभ पर प्राचार्य के साथ छात्राएं। स्रोत: संस्थान

संवाद न्यूज एजेंसी

धनेटा(हमीरपुर)। राजकीय महाविद्यालय धनेटा में सोमवार को सिलाई, कढ़ाई, बुनाई और फैशन डिजाइनिंग कोर्स का प्रशिक्षण कार्यक्रम शुरू हुआ।

कार्यक्रम का शुभारंभ महाविद्यालय के प्राचार्य डॉ. ज्ञानचंद राणा ने किया। उन्होंने कहा कि दो सप्ताह चलने वाले प्रशिक्षण कार्यक्रम का उद्देश्य छात्रों को स्वरोजगार की ओर प्रेरित करना एवं स्वावलंबी बनाना है।

इससे छात्रों को अपने कौशल और ज्ञान को बढ़ाने का अवसर मिलेगा और वे अपने भविष्य को बेहतर बना सकेंगे। कार्यक्रम प्रभारी प्रो. नीलम कुमारी ने कार्यक्रम की जानकारी दी। उन्होंने कहा कि प्रशिक्षण में सिलाई, कढ़ाई एवं बुनाई, फैशन डिजाइनिंग तकनीकों और विषयों के बारे में जानकारी दी जाएगी। प्रशिक्षण कार्यक्रम में आईटीआई रैल से अनुदेशक सुमन शर्मा प्रशिक्षक के रूप में प्रशिक्षार्थियों को जागरूक करेंगी। इस मौके पर डॉ. रजनीश, डॉ. अजय कुमार, प्रो. मदन, डॉ. प्रीतम, डॉ. अंजना कुमारी सहित अन्य मौजूद रहे।

One Day Training Programme on 25 Feb. 2025

One day training programme has been organized by the department of horticulture and forestry college of Neri, Distt. Hamirpur topic entitled “Vermi Composting & Mushroom Cultivation on dated 25/02/2025. 24 students has been participated along with two official of GDC Dhaneta.

Training Objectives:

1. To impart knowledge and skills in vermin composting and mushroom cultivation.
2. To promote sustainable agriculture practices and entrepreneurship opportunities.
3. To enhance employability and environmental stewardship among students.

Some glimpses and news paper cutting given as under:


मशरूम उत्पादन इकाई
औद्यानिकी एवं वानिकी महाविद्यालय नेरी
ONE DAY TRAINING PROGRAM
on
VERMI COMPOSTING AND MUSHROOM CULTIVATION
FEBRUARY 25, 2025 (10:30am Onwards)
At
COLLEGE OF HORTICULTURE AND FORESTRY
NERI, DISTRICT HAMIRPUR (H.P.)
Organised by
College Incubation Centre, Eco - Club/Energy Club/tourism Youth Club/ Social Science Society
GOVT. DEGREE COLLEGE DHANETA
DISTRICT HAMIRPUR, HIMACHAL PRADESH

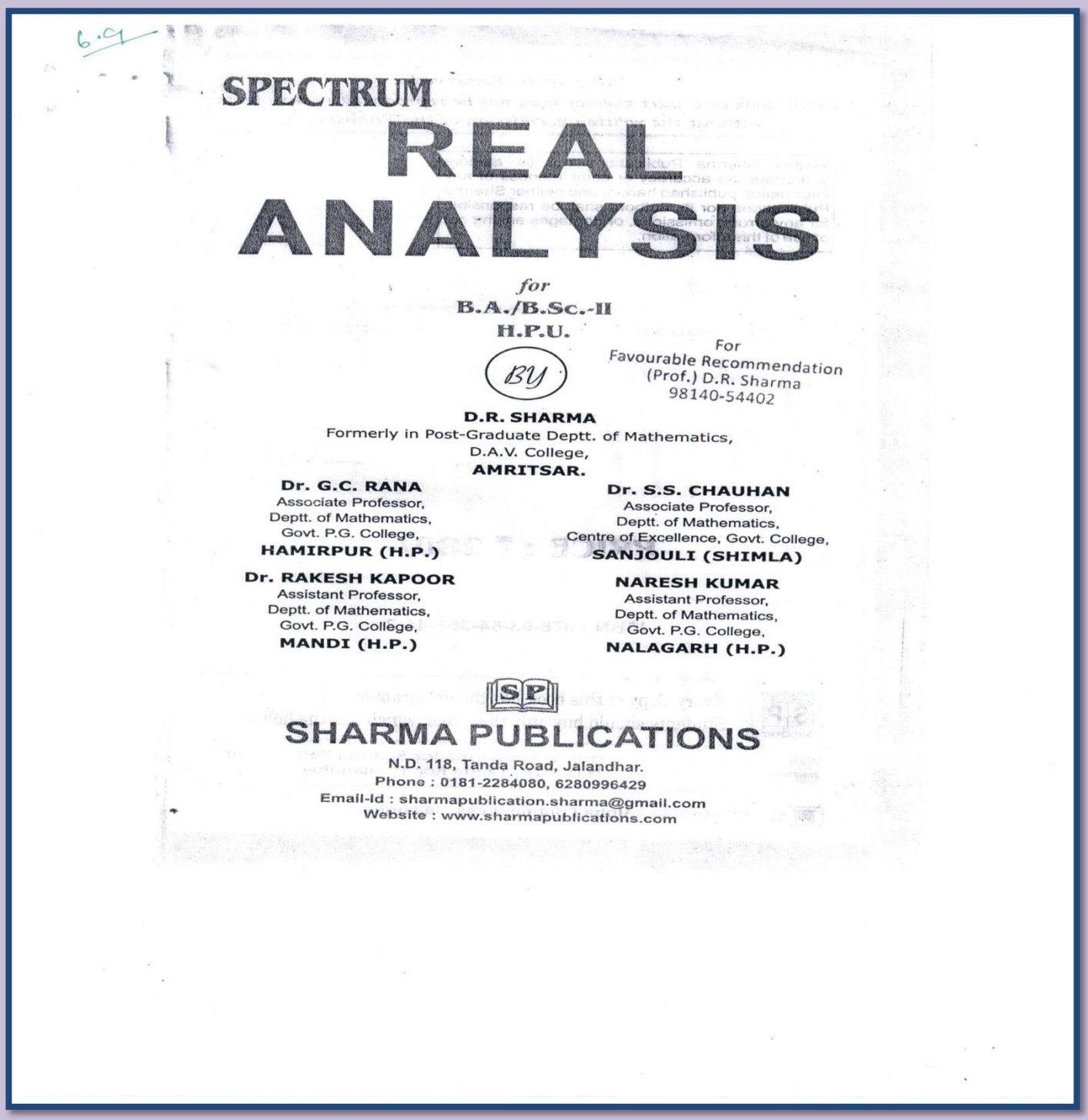
दैनिक भास्कर हिमाचल भास्कर 26-02-2025

धनेटा कॉलेज के स्टूडेंटस ने लिया उर्वरक उत्पादन एवं मशरूम उत्पादन का प्रशिक्षण

हमीरपुर |राजकीय महाविद्यालय धनेटा के स्टूडेंटस ने राजकीय औद्यानिकी एवं वानिकी कॉलेज नेरी में उर्वरक उत्पादन एवं मशरूम उत्पादन कौशल का प्रशिक्षण प्राप्त किया। इको क्लब एवं इन्क्यूबेशन प्रकोष्ठ के प्रभारी डॉ. अजय कुमार के नेतृत्व में 24 स्टूडेंट्स ने यह प्रशिक्षण प्राप्त किया। इस प्रशिक्षण अभियान में स्टूडेंटस को उर्वरक उत्पादन और मशरूम उत्पादन के विभिन्न पहलुओं पर प्रशिक्षित किया गया। उन्हें उर्वरक उत्पादन की प्रक्रिया, मशरूम उत्पादन की तकनीक और इन उद्योगों में करियर बनाने के अवसरों के बारे में जानकारी दी गई। राजकीय औद्यानिकी एवं वानिकी महाविद्यालय नेरी के विशेषज्ञों ने स्टूडेंटस को प्रशिक्षण दिया और छात्रों के प्रश्नों का उत्तर दिया।

6.9 **No. of Books Published/Chapters in Books**

No. of Books Published =4



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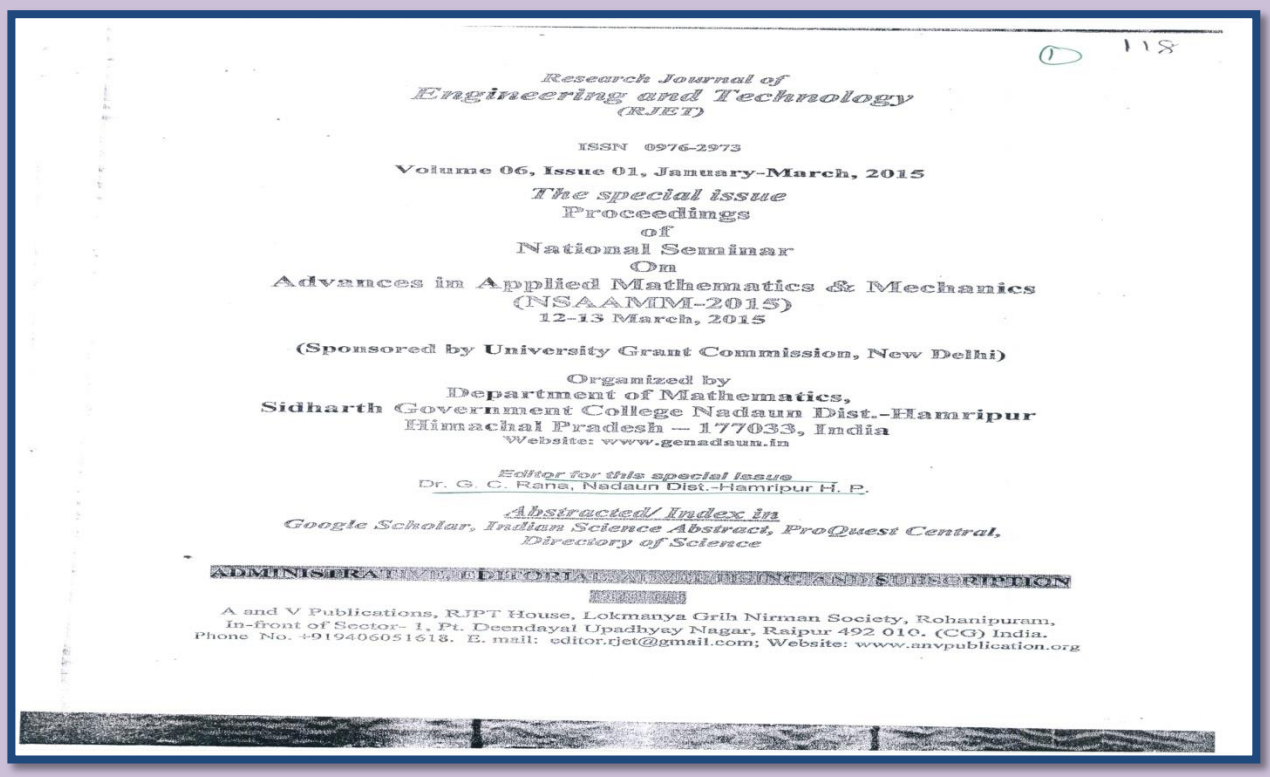

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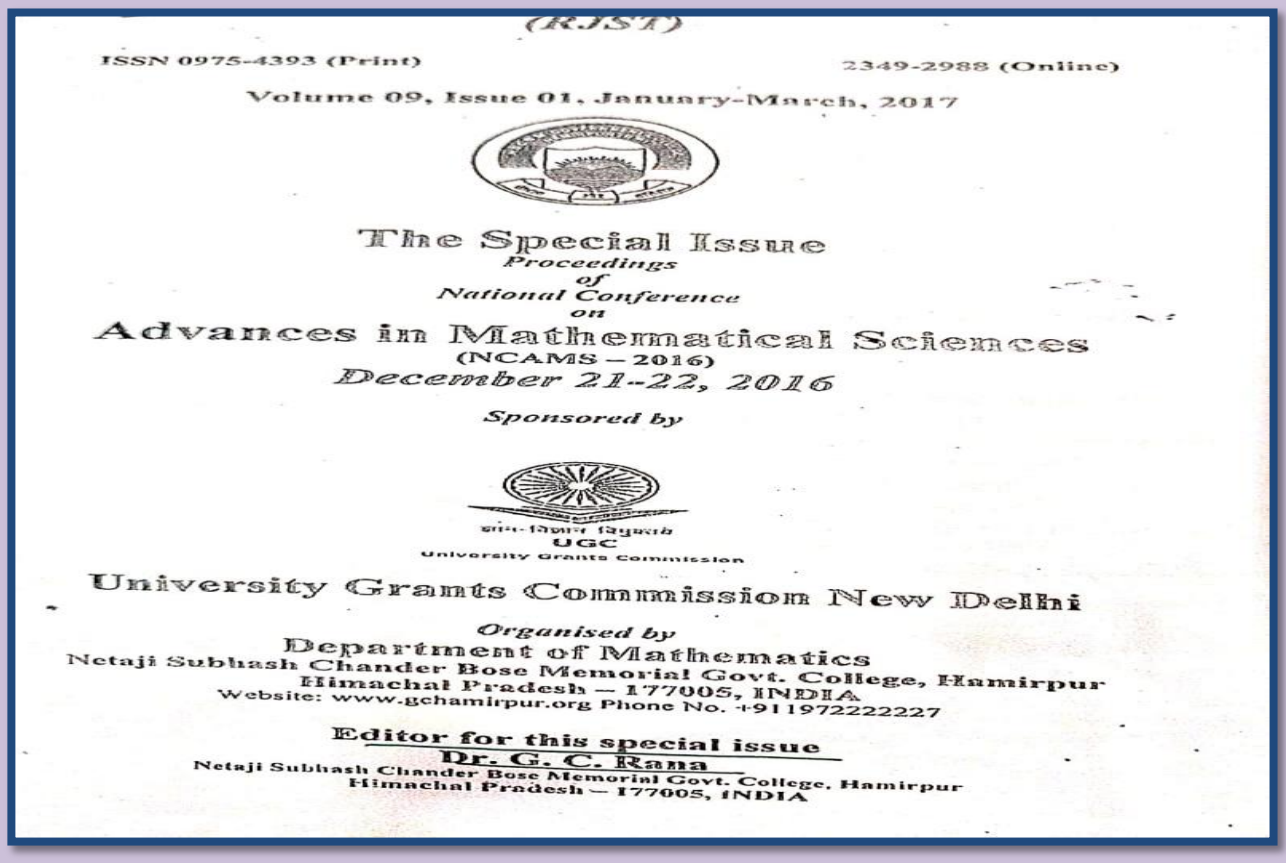

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Volume 09, Issue 01, January-March, 2017

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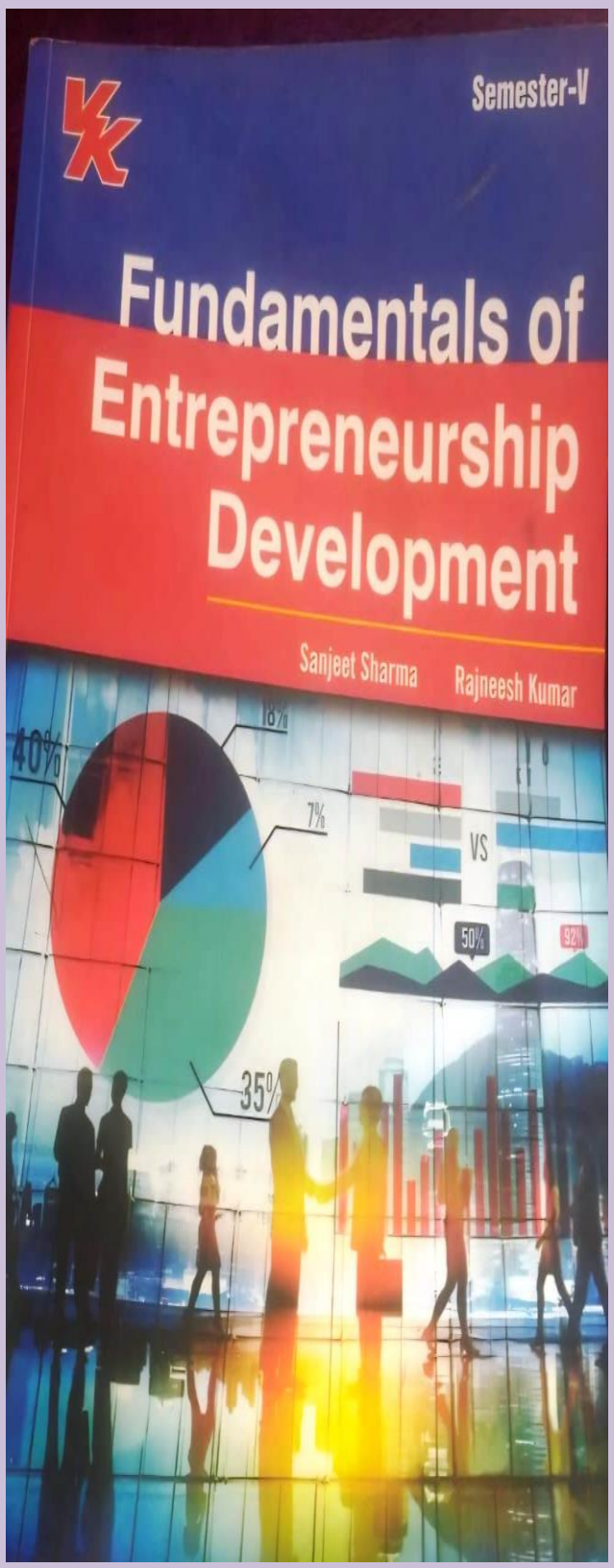
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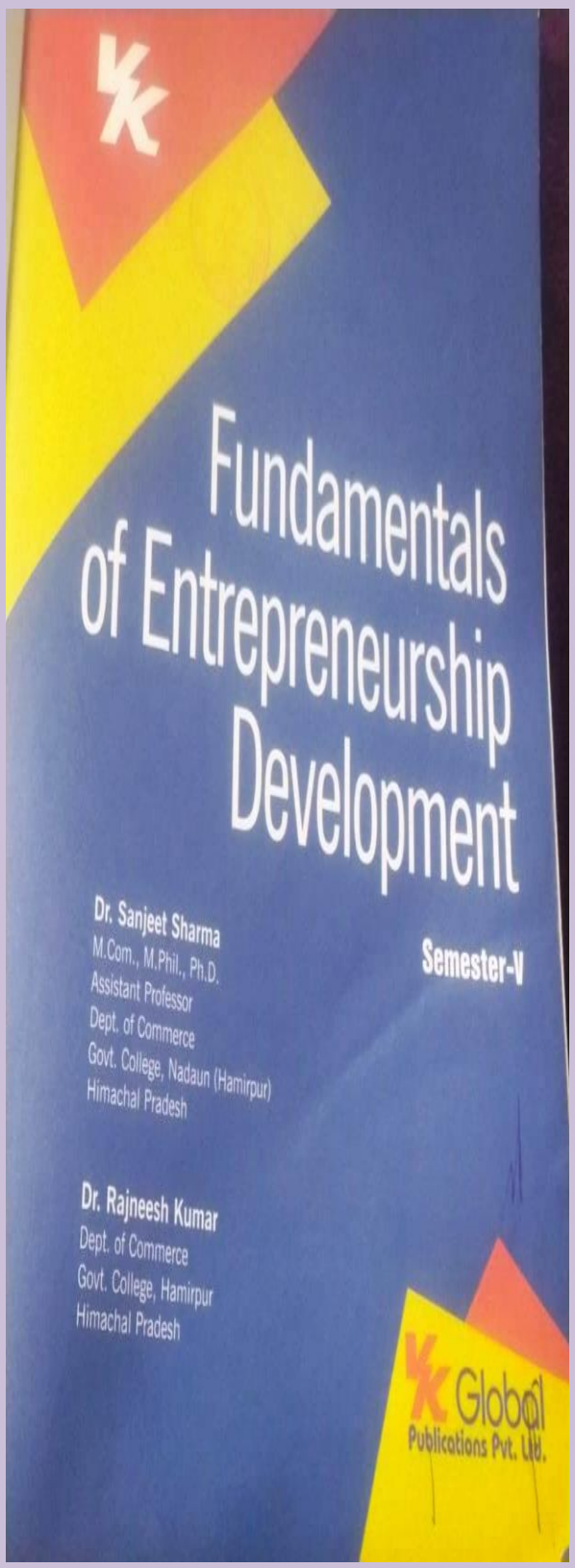
Fundamentals of Entrepreneurship Development
Dr. Sanjeet Sharma
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Assistant Professor
Dept. of Commerce
Govt. College, Nadaun (Hamirpur)
Himachal Pradesh
Semester-V
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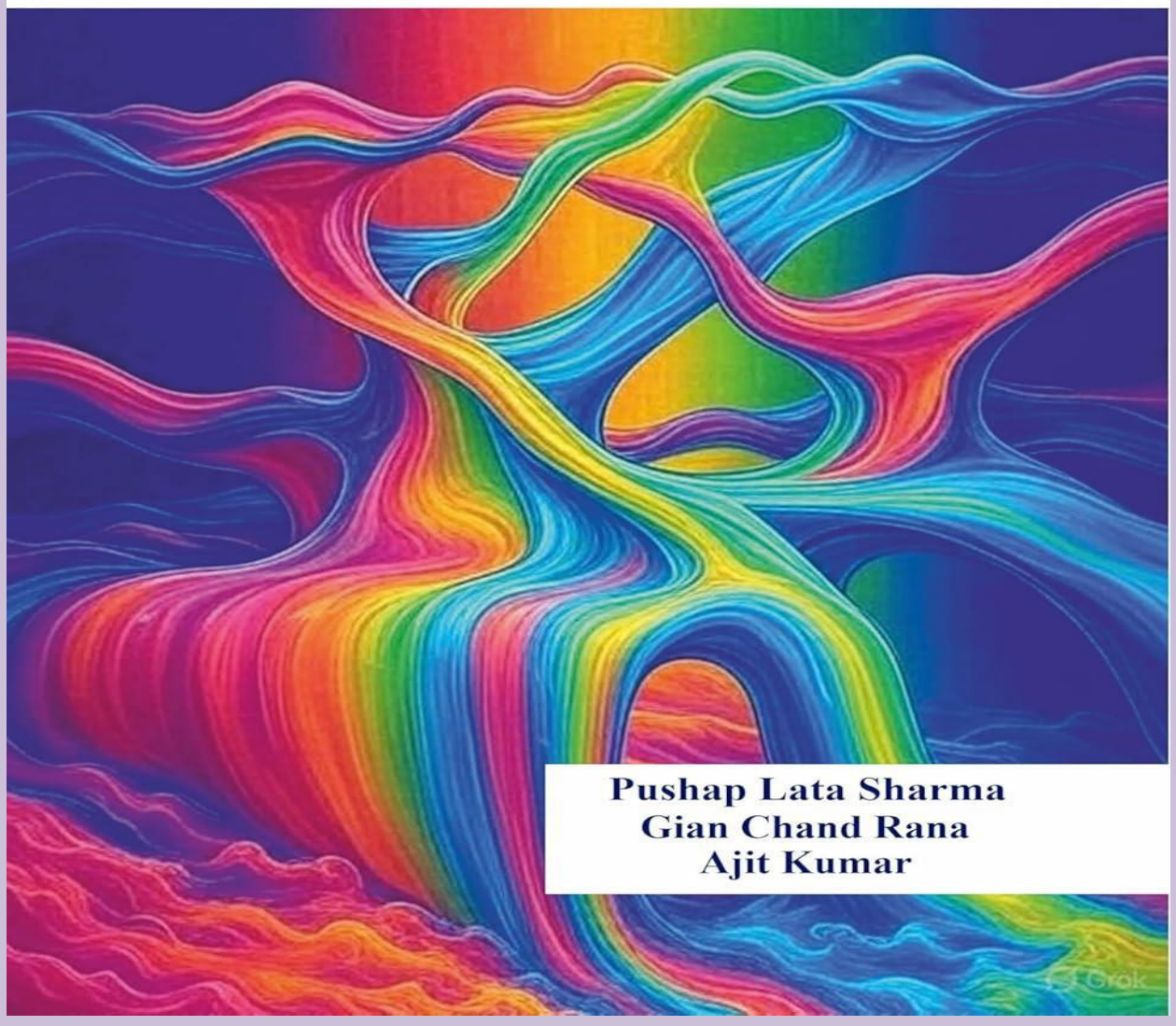
Modern Fluid Dynamics



About the Book

This book, *Introduction to Modern Fluid Dynamics and Its Applications*, offers a lucid yet rigorous treatment of fluid mechanics for postgraduate students and researchers. It bridges theoretical foundations with real-world applications, covering key topics like Navier-Stokes equations, dimensional analysis, and slow flow solutions. The text integrates mathematical formulations with practical examples from engineering, biology, and daily life. Rooted in years of teaching and research, it aims to inspire deeper inquiry into the dynamic world of fluid flow.

Dr. Pushap Lata Sharma, Associate Professor at HPU Shimla, holds a Ph.D. in Mathematics with over 26 years of teaching and research experience. Her specializations include stability analysis, nanofluids, and viscoelastic flows, with 60+ publications in high-impact Scopus and SCI journals. She has presented over fifty research papers at various national and international conferences and delivered more than twenty invited talks. Dr. Sharma has successfully guided three Ph.D. and fourteen M.Sc. scholars, authored six textbooks, completed a RUSA-funded minor project, and currently leads a MERU-USHA research project. Honored with the Best Teacher Award, she actively contributes to editorial and academic leadership roles.

Dr. Gian Chand Rana, Principal of Govt. Degree College Dhaneta (HP), holds a Ph.D. in Mathematics from HPU Shimla with over 32 years of teaching and research experience. A prolific researcher with 145+ publications in reputed journals, he specializes in stability analysis and fluid dynamics, including nanofluids and viscoelastic fluids. He has guided Ph.D./M.Phil. scholars, authored textbooks, and organized national and international conferences. Dr. Rana also serves on editorial boards and reviews for 45+ reputed journals, reflecting his strong academic leadership.

Dr. Ajit Kumar, Assistant Professor and HOD of Mathematics at HP University Evening Studies, Shimla, holds a Ph.D. in thermal and electrothermal instabilities in nanofluids. With 15+ years of teaching and research experience, he has published 18+ papers in Scopus and WoS journals, authored a textbook, and holds a patent. He is leading a MERU-funded research project, actively contributes to academic administration, and regularly organizes workshops and conferences.

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Teachers Academic and Extension Activities:

Organized Quiz and Declamation

Govt. Degree College Dhaneta has organized quiz and declamation competition between adopted schools at GSSS Dhaneta on 30th December 2024 for the benefit of students. This competition was conducted by Dr. Rajneesh Kumar, Assistant Professor in Commerce and Mr. Madan Singh, Assistant Professor in English. Five Adopted schools such as GSSS Kangoo, Dhaneta, Pansai, Hathol and GHS Dhaneta have participated in this competition.

1. Conducting Career Counselling Sessions at Adopted Schools

The Career Counselling Cell of Government Degree College, Dhaneta organized counselling sessions aimed at guiding students in their academic, professional, and personal development. The

sessions were conducted under the able guidance of distinguished resource persons, Dr. Pritam and Dr. Anjana.

Schedule of Sessions

21st November 2024 – GSSS Kangoo

The inaugural session will be conducted at GSSS Kangoo, focusing on career awareness in higher education streams and skill-based courses.

7th December 2024 – GSSS Dhaneta

The second session will emphasize local opportunities, competitive examinations, and vocational training programs available to students.

9th December 2024 – GSSS Pansai

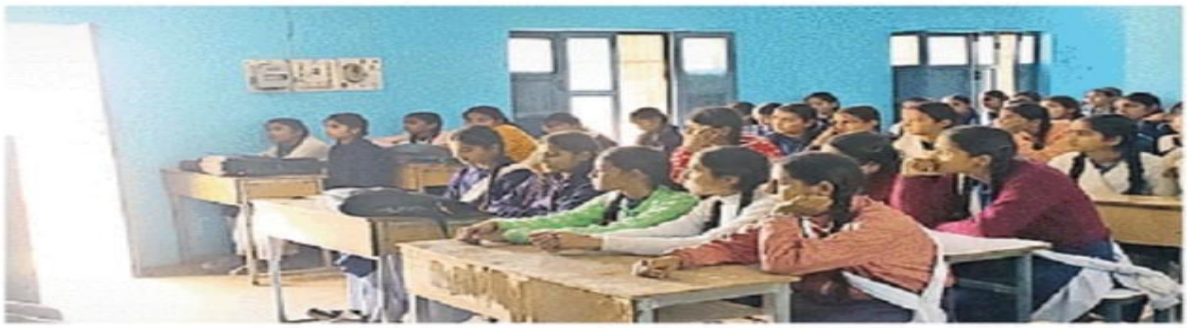
This session will highlight career options in technical education, self-employment, and government schemes supporting youth development.

11th December 2024 – GSSS Hathol and GSSS Batran

The fourth session will provide guidance on professional courses, entrepreneurship, and skill enhancement initiatives.

सार संक्षेप

धनेटा में करियर के चयन पर किया जागरूक



धनेटा कालेज में आयोजितक कार्यशाला में मौजूद विद्यार्थी● जागरण

धनेटा : राजकीय वरिष्ठ माध्यमिक पाठशाला धनेटा में कक्षा नौवीं से बाहरवीं के विद्यार्थियों के लिए प्रेरक वार्ता और करियर काउंसलिंग सत्र का आयोजन किया गया। इस सत्र में राजकीय महाविद्यालय धनेटा के हिंदी विभाग के प्रोफेसर डा प्रीतम चंद और अर्थशास्त्र विभाग के प्रोफेसर डा अजय ने विद्यार्थियों को संबोधित कर विधार्थियों का मार्गदर्शन किया। डा प्रीतम चंद ने विद्यार्थियों को समय का महत्व समझाया। उन्होंने विद्यार्थियों को आत्मविश्लेषण करने और जीवन के उद्देश्य के प्रति स्पष्ट दृष्टिकोण रखने की प्रेरणा दी। डा अजय ने विद्यार्थियों को सही विषयों का चुनाव करने और अपनी रुचि को प्राथमिकता देने पर बल दिया। विद्यालय प्रधानाचार्य राज कुमार सिंह और शिक्षकों ने इस कार्यक्रम के सफल आयोजन के लिए धन्यवाद व्यक्त किया और विद्यार्थियों को सकारात्मक दिशा में आगे बढ़ने की शुभकामनाएं दीं। (संस)

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प्राचार्य डॉक्टर ज्ञान चंद राणा
राजकीय महाविद्यालय धनेटा

आज, जब हम भारत के पूर्व प्रधान मंत्री डॉ. मनमोहन सिंह को विदाई दे रहे हैं, हम एक ऐसे व्यक्ति की असाधारण विरासत को प्रतिबिंबित करते हैं जो ज्ञान, विनम्रता और राष्ट्र-निर्माण के प्रति गहरी प्रतिबद्धता का प्रतीक था। अकादमिक समुदाय में हमारे लिए, डॉ. सिंह एक राजनेता से कहीं अधिक थे; वह एक विद्वान, शिक्षक और प्रेरणा के प्रतीक थे पंजाब के एक साधारण गांव से देश के सर्वोच्च पद तक डॉ. सिंह की यात्रा शिक्षा की परिवर्तनकारी शक्ति का प्रमाण है। प्रधान मंत्री के रूप में उनका कार्यकाल आर्थिक सुधारों से चिह्नित था जिसने भारत के विकास की नींव रखी, लेकिन शिक्षा जगत में उनका योगदान भी उतना ही उल्लेखनीय था। एक प्रोफेसर और अर्थशास्त्री के रूप में, उन्होंने अनगिनत छात्रों के दिमाग को आकार दिया और बौद्धिक कठोरता और नैतिक नेतृत्व के मूल्य का प्रदर्शन किया। एक प्रतिष्ठित अर्थशास्त्री और भारत के पूर्व प्रधान मंत्री डॉ. मनमोहन सिंह को न केवल उनके राजनीतिक नेतृत्व के लिए बल्कि शिक्षा जगत और शिक्षण समुदाय में उनके योगदान के लिए भी व्यापक रूप से सम्मान दिया जाता है। राजनीति में प्रवेश करने से पहले, डॉ. सिंह ने दिल्ली स्कूल ऑफ इकोनॉमिक्स और पंजाब विश्वविद्यालय जैसे संस्थानों में प्रोफेसर के रूप में कार्य किया, जहां उन्होंने अर्थशास्त्र के प्रति अपने गहन ज्ञान और जुनून से अनगिनत छात्रों को प्रेरित किया। शिक्षक सम[illegible] रूप में [illegible] राष्ट्रीय [illegible] शिक्षा [illegible] उनकी [illegible] सशक्त [illegible] को म[illegible] विश्वास को प्रतिबिंबित किया है। उनकी बौद्धिक विनम्रता और ज्ञान के प्रति समर्पण शिक्षकों और शिक्षार्थियों के लिए एक मार्गदर्शक के रूप में काम करता है। डॉ. मनमोहन सिंह ने शिक्षा क्षेत्र की अपनी गहन समझ के साथ, कॉलेजों, विश्वविद्यालयों, एनआईटी और आईआईटी जैसे प्रतिष्ठित संस्थानों में शिक्षण संकायों के छात्रों की कमाई में उनके प्रोफेसरों की तुलना में एक गंभीर असमानता को पहचाना। उन्होंने उच्च शिक्षण संस्थानों में शिक्षकों की वेतन संरचना पर ध्यान देने की तत्काल आवश्यकता को स्वीकार किया, ताकि यह सुनिश्चित किया जा सके कि राष्ट्र के भविष्य को आकार देने में उनके अमूल्य योगदान के लिए उन्हें पर्याप्त वेतन दिया जाए। शिक्षण पेशे से जुड़े हममें से लोगों के लिए, सशक्तिकरण के एक उपकरण के रूप में शिक्षा पर डॉ. सिंह का जोर गहराई से प्रतिबिंबित होता है। उनकी नीतियां शिक्षकों के प्रति गहरा सम्मान और समाज को आकार देने में उनकी महत्वपूर्ण भूमिका को दर्शाती हैं। 2006 के वेतनमान सुधारों के कार्यान्वयन वेतनमान संशोधन के दौरान, डॉ. सिंह के नेतृत्व ने यह सुनिश्चित किया कि शिक्षकों, प्रोफेसरों और वैज्ञानिकों को अन्य श्रेणियों के कर्मचारियों की तुलना में उच्च शैक्षणिक ग्रेड वेतन दिया जाए। यह विशिष्टता अकादमिक समुदाय और राष्ट्र निर्माण में उनकी महत्वपूर्ण भूमिका के प्रति उनकी गहरी सराहना का प्रमाण थी। शिक्षकों के मूल्य को पहचानने के महत्व के बारे में उनकी अंतर्दृष्टि कुछ ऐसी थी जिसे केवल एक शिक्षाविद् और उनकी क्षमता का राजनेता ही पूरी तरह से समझ सकता था। डॉ. सिंह की विनम्रता, सत्यनिष्ठा और सार्वजनिक सेवा के प्रति समर्पण शिक्षकों और नेताओं के लिए मार्गदर्शक बनी हुई है। जैसा कि हम उनके नुकसान पर शोक मनाते हैं, हम उस जीवन का भी जश्न मनाते हैं जिसने भारत को समृद्ध किया और लाखों लोगों को प्रेरित किया। डॉ. सिंह के कार्यकाल में, भारत में शिक्षा प्रणाली सुधारों और नीतियों के साथ अभूतपूर्व ऊंचाइयों पर पहुंच गई, जिसमें शिक्षकों, छात्रों और संस्थानों के कल्याण को समान रूप से प्राथमिकता दी गई।

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