



**GOVERNMENT COLLEGE OF EDUCATION  
SECTOR 20-D, CHANDIGARH  
NAAC ACCREDITED GRADE 'A'**



**3rd Cycle  
Assessment and Accreditation by NAAC  
CRITERION-II  
TEACHING LEARNING AND EVALUATION**



## **CRITERION 2**

### **KEY INDICATOR- 2.5 Teacher Profile and Quality**

#### **2.5.2 -Fulltime teachers with Ph.D degree**

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## Ph.D Degrees of the Faculty Members


| Teacher Names             | Subject of PHD     |
|---------------------------|--------------------|
| Dr. Sapna Nanda           | Home Science       |
| Dr. Ajay Kumar Srivastava | Hindi              |
| Dr. Savita Arya           | Psychology         |
| Dr. Mukhtiar Singh        | Punjabi            |
| Dr. Anjali Puri           | Education          |
| Dr. Balwinder Kaur        | Education          |
| Dr. Anurag Sankhian       | Geography          |
| Dr. Meena                 | Education          |
| Dr. Sanjeev Kumar         | Education          |
| Dr. Lilu Ram              | Education          |
| Dr. Sheojee Singh         | Education          |
| Dr. Neelam Paul           | Physical Education |
| Dr. Vijay Phogat          | Education          |
| Dr. Kusum                 | Hindi              |
| *Dr. Ravneet Chawla       | Home Science       |
| <b>On Contract basis</b>  |                    |
| Dr. Nisha Singh           | Education          |
| Dr. Suman Khokhar         | Education          |
| Dr. Rupinder Kaur         | Education          |
| Dr. Aarti Bhatt           | Music              |
| Dr. Ravinder Kumar        | Education          |
| Dr. Upasana Thapliyal     | Education          |
| Dr. Rajni Thakur          | Education          |



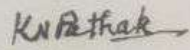
# Punjab University

Doctor of Philosophy  
(In the Faculty of Science)

Certified that Sapna Nanda nee Sapna Mitra,  
Regd. No. 79-dw-61, daughter of Shri L. N. Mitra,  
and of the Haryana State, has obtained the degree of  
Doctor of Philosophy of this University on the result of  
the examination held in 2001.

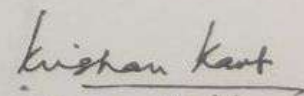
  
Controller of Examinations

Given under the seal of the University

  
Vice-Chancellor

  
Registrar



  
Chancellor

Chandigarh, March 27, 2001.



## विद्या-वाचस्पति

प्रमाणित किया जाता है कि ..... श्री अजय कुमार श्रीवास्तव ..... को  
..... हिन्दी ..... विषय के शुक्लौत्तर हिन्दी समीक्षा के समीक्षा प्रतिमान .....  
..... शीर्षक  
पर शोध-प्रबंध स्वीकृत हो जाने के उपरांत वर्ष ..... 1999 ..... के दीक्षांत-समारोह में  
इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई ।

## Purvanchal University, Jaunpur

### DOCTOR OF PHILOSOPHY

*This is to certify that ..... Shri Ajay Kumar Shrivastav .....  
after approval of his /her thesis on Shuklotter Hindi Samiksha ke Samiksha .....  
Pratiman. .... In Subject ..... Hindi .....  
has been admitted to the degree of Doctor of Philosophy in this University at  
the Convocation held in the year ..... 1999 .....*

*P. Singh*  
कुलपति

पूर्वाञ्चल विश्वविद्यालय  
Vice-chancellor  
Purvanchal University

Jaunpur dated ..Feb. 7, 1999

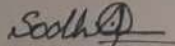
Roll No. 856

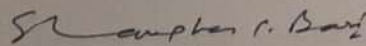
# Punjab University

Doctor of Philosophy  
(In the Faculty of Arts)

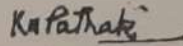
Certified that Sabita Arya, Regd. No. 99-ez-77, daughter of Shri Shanta Kumar Arya, and of the Haryana State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2006.

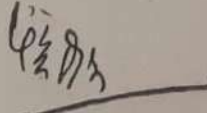
Given under the seal of the University

  
Controller of Examinations

  
Registrar



  
Vice-Chancellor

  
CHANCELLOR

Chandigarh, January 28, 2006





क्रमसंख्या 67  
Serial No.

यनुक्रमसंख्या 82-da-238  
Regn. No.

# कुरुक्षेत्र - विश्वविद्यालयः

डॉक्टर ऑफ़ फ़िलॉसॉफी

इदमत्र प्रमाणीक्रियते यत् मुखत्पार सिंह  
श्री तेजा सिंह महोदयस्य पुत्रः/पुत्री १९९६  
तमे संवत्सरे कला तथा भाषा संकाय तोष्य  
विश्वविद्यालयस्य पंजाबी विषये

डॉक्टर ऑफ़ फ़िलॉसॉफी इत्युपाधिना समलङ्कृत/समलङ्कृता इति ।

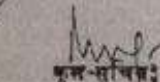
अस्य/अस्याः शोधप्रबन्धस्य विषयः " सुआधो लोक स्थित दा सभ्याचारक अध्ययन  
लोक गीतां ते लोक कहानियां दे संदर्भ विच " इत्यासीत् ।

## Kurukshetra University

Doctor of Philosophy

This is to certify that *Mukhtiar Singh*  
son/daughter of *Shri Teja Singh*, and  
of the *Faculty of Arts & Languages*, has been awarded  
the Degree of Doctor of Philosophy (*Punjabi*)  
of this University in 1996.

The topic of his/her Thesis was " *Suadhi Lok Sahit Da  
Lakhincharak Adhayan (Lok Geetan Te Lok Kahanian Da Sandarbh Vich)* ".

  
कुमाधिपतिः  
Registrar

मुद्रण तिथिः ७ मई, १९९६  
Kurukshetra Dated: May 7, 1996.

  
कुमाधिपतिः  
Vice-Chancellor

*Marali Pal*

कुमाधिपतिः  
Chancellor



Roll No . 1622

# Punjab University



**Doctor of Philosophy**

**( In the faculty of Education )**

Certified that Anjali Arora, Regd. No. 2004-ez-6,  
daughter of Shri Manohar Singh, and of  
the Punjab state, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2009.

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

S. Anwar S. Bani  
Registrar

Chandigarh, June, 12, 2009



*Reshma*  
Vice Chancellor

*Man Singh*  
Chancellor



Roll No . 1901

# Punjab University



**Doctor of Philosophy**

( In the faculty of Education )

Certified that Balwinder Kaur, Regd. No. 2005-ez-14,  
Daughter of Shri Rulda Singh, and of  
the Punjab State, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2010.

Given under the seal of the University

*A. K. Bhandari*  
Controller of Examinations

*A. K. Bhandari*  
Registrar



*Ressor*  
Vice Chancellor

*Dr. Anil Singh*  
Chancellor

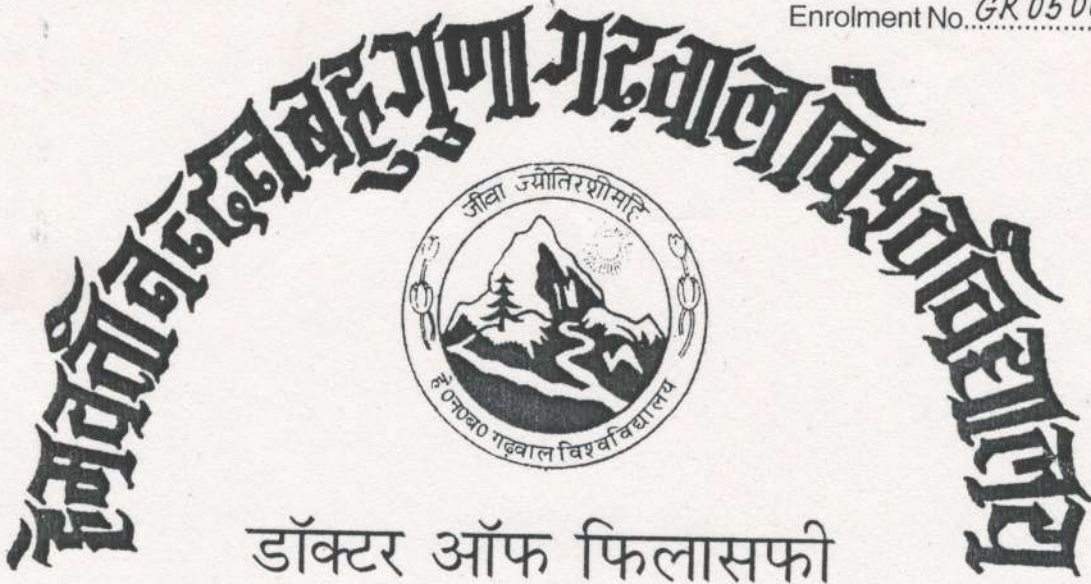
Chandigarh, December, 3, 2010



60192

नामांकन संख्या... जीआर 040024

Enrolment No... GR 050035



डॉक्टर ऑफ फिलासफी

प्रमाणित किया जाता है कि अनुराग सांख्यान को

भूगोल

में इस विश्वविद्यालय की

डॉक्टर ऑफ फिलासफी की उपाधि वर्ष 2008 में प्रदान की गयी।

शोध प्रबन्ध का शीर्षक "टी कल्टीवेशन एण्ड सस्टेनेबल डिवलपमेन्ट : ए केस स्टडी ऑफ कांगड़ा वैली"

**HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY**

**Doctor of Philosophy**

This is to certify that Amurag Samkhian has been awarded the Degree of Doctor of Philosophy in Geography of this University in the year 2008.

Title of Thesis "Tea cultivation and sustainable development : A case study of Kangra valley."

हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय, श्रीनगर (गढ़वाल)  
H.N.BAHUGUNA GARHWAL UNIVERSITY, Srinagar (Garhwal)

दिनांक

Dated 18/03/2008

कुलपति

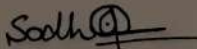
Vice Chancellor

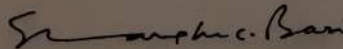
# Punjab University

Doctor of Philosophy  
(In the Faculty of Education)

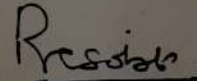
Certified that Meena, Regd. No. 93-wc-414,  
daughter of Shri Giani Chand, and of Chandigarh (Union  
Territory), has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2007.

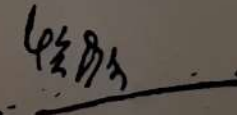
Given under the seal of the University

  
Controller of Examinations

  
Registrar



  
VICE-CHANCELLOR

  
CHANCELLOR

Chandigarh, January 29, 2007



# Punjab University

## Doctor of Philosophy

(In the Faculty of Education)

Certified that Sanjeev Kumar, Regd. No. 82-c-292,  
son of Shri K. C. Jindal, and of the Haryana State,  
has obtained the degree of Doctor of Philosophy in this  
University on the result of the examination held in 1998.

Given under the seal of the University

*Sodhi*  
Controller of Examinations

*Paramjit Singh*  
Registrar



*M. An*

Vice Chancellor

*Kushin Kant*  
Chancellor

Chandigarh, August 5, 1998.



Roll No. 3903



# Panjab University



Doctor of Philosophy

( In the faculty of Education )

Certified that Lilu Ram , Regd. No. 93-phy-43 , son of Shri. Balbir Singh , and of Chandigarh (Union Territory) , has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2017 .

Given under the seal of the University

Controller of Examinations

Registrar



Vice Chancellor

Chancellor

Chandigarh, December, 28, 2017



Roll No. 3903

**EFFECT OF INNOVATIVE DEMONSTRATIONS ON INTEREST IN SCIENCE AND PROBLEM SOLVING ABILITY IN RELATION TO SCIENTIFIC ATTITUDE OF NINTH GRADERS**

*Ph.D. thesis submitted by Lifu Ram  
In the Faculty of Education/Education  
Panjab University Chandigarh*

**Citation**

*Innovative demonstrations provide a facilitative platform to bring the laboratory experiences to the classroom for concretising the learning of science through process approach thereby making science teaching learning a joyful activity. This quasi-experimental study was carried out to investigate the effect of innovative demonstrations on interest in science and problem solving ability in relation to scientific attitude of the ninth graders through pre-test post-test factorial design having two dependent variables namely, interest in science and problem solving ability and one classifying variable of scientific attitude. The performance gain was calculated as the difference in post-test and pre-test scores of the subjects on the variables of interest in science and problem solving ability and data analysed by using two way analysis of variance for (2x3) factorial design. The research revealed that students taught through innovative demonstrations based instructional strategy exhibited significantly better performance on interest in science and problem solving ability as compared to the conventional group learning. This approach has a great potential in developing interest and process skills among students and can be utilized to improve quality of instructions at all levels of education.*

  
Registrar



Roll No . 1984

# Panjab University



**Doctor of Philosophy**

( In the faculty of Education )

Certified that Sheojee Singh, Regd. No. 2006-ez-19,  
son of Shri Vijay Bahadur Ray, and of  
the Bihar State, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2011.

Given under the seal of the University

*A. K. Bhandari*  
Controller of Examinations

*Reson?*  
Vice Chancellor

*A. K. Bhandari*  
Registrar



*K. S. Singh*  
Chancellor

Chandigarh, April, 27, 2011

Roll No. 1244

# Punjab University

Doctor of Philosophy  
(In the Faculty of Education)

Certified that Neelam Puri, Regd. No. 90-wc-301, daughter of Shri O. P. Puri, and of Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2007.

Given under the seal of the University

*Shamsher S. Bani*  
Controller of Examinations

*Shamsher S. Bani*  
Registrar



*Rishabh*  
VICE-CHANCELLOR

*Chandigarh*  
CHANCELLOR

Chandigarh, December 12, 2007

# महर्षि दयानन्द विश्वविद्यालय

डॉक्टर ऑव फिलॉसफी

शिक्षा - शास्त्र संकाय

प्रमाणित किया जाता है कि ..... विजय फोगाट .....

पुत्र/सुपुत्री श्री ..... ईश्वर सिंह .....

..... शिक्षा ..... विषय में

डॉक्टर ऑव फिलॉसफी की उपाधि प्रदान की जाती है।

यह प्रबन्ध का विषय ..... अधिगम शैलियों का व्यक्तित्व एवं कक्षा .....

संरचना से संबंध .....

धिसूचना की तिथि 10.02.2011.....

## Maharshi Dayanand University

Doctor of Philosophy

Faculty of ..... Education .....

This is to certify that ..... Vijay Phogat .....

daughter of Shri ..... Ashwar Singh .....

herely awarded the degree of Doctor of Philosophy in the subject of  
Education .....

Title of Thesis "Learning Styles in Relation to  
Personality and Classroom Structure."

of notification 10.02.2011

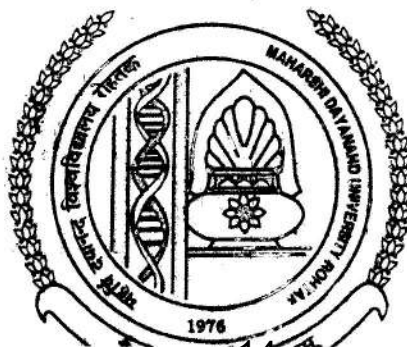
(विश्वविद्यालय के मुद्रांकवृद्ध प्रमाणित)

(Given under the seal of the University)

S.P.V.V.

कुलसचिव

Registrar



.....

कुलपति

Vice-Chancellor

Jagannath Prasad



महात्मा ज्योतिबा फुले रुहेलखण्ड विश्वविद्यालय  
MAHATMA JYOTIBA PHULE ROHILKHAND UNIVERSITY



रुहेलखण्ड विश्वविद्यालय, बरेली

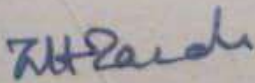
विद्या वाचस्पति

प्रमाणित किया जाता है कि ..... कुमारी कुसुम ..... को  
हिन्दी ..... विषय में वर्ष 2001 में विद्या वाचस्पति की  
उपाधि प्रदान की गयी ।  
उक्त उपाधि के लिए इन्होंने  
"मुक्ति बोध साहित्य में त्रासद तत्व का सौन्दर्य शास्त्रीय मूल्यांकन"  
.....  
.....  
शीर्षक का शोध प्रबन्ध प्रस्तुत किया।

DOCTOR OF PHILOSOPHY

This is to certify that **Km. Kusum**  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in 2001 in  
Hindi ..... in this University.  
The Title of thesis which he / she submitted was  
"Mukti Bodh Sahitya mein Trasad Tatva ka Sondarya Shashtriya Moolyankan"

बरेली / BAREILLY  
दिनांक / Date 16/07/2001

  
कुलपति  
VICE CHANCELLOR

# Punjab University

Roll No. 1578

Doctor of Philosophy  
(In the Faculty of Education)

Certified that Rabneet Chahla, Regd. No. 82-tuc-486, daughter of Shri Ardaman Singh Chahla, and of Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2009.

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

Sanjay S. Bani  
Registrar

Chandigarh, March 26, 2009



Ravinder Singh  
VICE-CHANCELLOR

Chandigarh  
CHANCELLOR



Roll No . 2577

# Punjab University




**Doctor of Philosophy**

**( In the faculty of Education )**

Certified that Nisha Singh, Regd. No. 2008-ez-136,  
daughter of Shri Shahzad Singh, and of  
Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2013.

Given under the seal of the University

  
Controller of Examinations

  
Vice Chancellor

  
Registrar

  
Chancellor



Chandigarh, July. 8, 2013



# महर्षि दयानन्द विश्वविद्यालय

डॉक्टर ऑव फिलॉसफी

शिक्षा शास्त्र संकाय

प्रमाणित किया जाता है कि

सुमन रानी

सुपुत्र/सुपुत्री श्री

जय सिंह

को शिक्षा-शास्त्र

विषय में

डॉक्टर ऑव फिलॉसफी की उपाधि प्रदान की जाती है।

शोध प्रबन्ध का विषय "रिलेटिव इफेक्टिवनेस ऑफ ई-कन्टेन्ट स्ट्रेटेजी एण्ड कन्वेंशनल स्ट्रेटेजी ऑफ टीचिंग साइंस"

अधिसूचना की तिथि 30-3-2010

## Maharshi Dayanand University

Doctor of Philosophy

Faculty of Education

This is to certify that Suman Rani

son/daughter of Shri. Jai Singh

is hereby awarded the degree of Doctor of Philosophy in the subject of Education

Title of Thesis: "Relative Effectiveness of E-content Strategy and Conventional Strategy of Teaching Science"

Date of notification 30-3-2010

(विश्वविद्यालय के मुद्रांकन द्वारा प्रमाणित)

(Given under the seal of the University)

S.P. V. S.



कुलपति

Vice-Chancellor

कुलसचिव

Registrar



# Punjab University

## Doctor of Philosophy

(In the Faculty of Education)

Certified that Sanjeev Kumar, Regd. No. 82-c-292,  
son of Shri K. C. Jindal, and of the Haryana State,  
has obtained the degree of Doctor of Philosophy in this  
University on the result of the examination held in 1998.

Given under the seal of the University

*Sodhi*  
Controller of Examinations

*Paramjit Singh*  
Registrar



*M. P. Singh*

Vice Chancellor

*Kushin Kant*  
Chancellor

Chandigarh, August 5, 1998.



Roll No. 4973

# Panjab University

## Doctor of Philosophy

### In the Faculty of Design & Fine Arts



Certified that Aarti Bhatt, Regd. No. 17705000005, daughter of Shri. Sampurna Nand Bhatt, and of Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2020.

Given under the seal of the University

Controller of Examinations



Registrar

Vice Chancellor

Chancellor

Chandigarh, October, 29, 2020

Digitally signed by DS NSDL Database Management Ltd.  
Date: 2021.09.05 12:22:31 IST





Roll No . 3070

# Panjab University

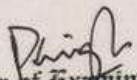


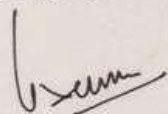
**Doctor of Philosophy**

( In the faculty of Education )

Certified that Upasna Thapliyal, Regd. No. 01-dw-323,  
daughter of Shri Nidhinder Thapliyal, and of  
Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2015.

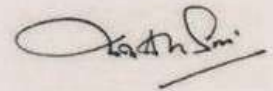
Given under the seal of the University

  
Controller of Examinations

  
Registrar



Vice Chancellor



Chancellor



Chandigarh, March, 10, 2015

Roll No. 4522



# Punjab University



**Doctor of Philosophy**

( In the faculty of Education )

Certified that Rajni Thakur, Regd. No. 03-sdc-273, daughter of Shri. Anant Ram, and of the Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2019.

Given under the seal of the University

*R Singh*

Controller of Examinations

*K Singh*

Registrar



*R Kumar*

Vice Chancellor

*Mandi*

Chancellor

Chandigarh, April, 26, 2019

OPPO F11



Roll No. 6366



# Panjab University



**Doctor of Philosophy**

**( In the faculty of Education )**

**Certified that Ravinder Kumar, Regd. No. 98-gc-254, son of Shri. Lajja Ram, and of the Haryana State, has obtained the degree of **Doctor of Philosophy of this University on the result of the examination held in 2023.****

**Given under the seal of the University**

*Dr.*

**Controller of Examinations**

*Yash*

**Registrar**



*Sanjiv*

**Vice Chancellor**

*Sanjiv*

**Chancellor**

**Chandigarh, December, 01, 2023**