

# AMRITSAR GROUP OF COLLEGES

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(Formerly known as Amritsar College of Engineering and Technology | Amritsar Pharmacy College)

Ref.: AGC/DORD/2023/31(a)

Dated: 20<sup>th</sup> July, 2023

The Principal,

Amritsar Group of Colleges, Amritsar

Subject: Recommendation by R & D Committee for publishing the paper in SCI Indexed Journals





Respected Sir,

This is with reference to request made by Dr. Gurbhej Singh, Assistant Professor, Mechanical Engineering Department in regard to cash incentives for publishing the papers in SCI Indexed journal. The following observations have been given by the committee members:

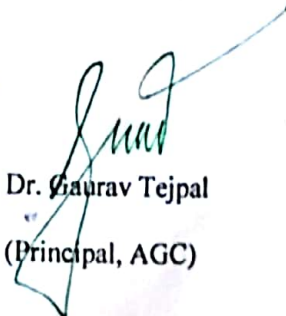
Title of the paper	Name of the Journal	Date of Publication	Indexed in	Uploaded on ERP Portal	Author Details in Manuscript
Machinability Behaviour of Human implant materials	<i>Journal of Electrochemical Science and Engineering</i>	October, 2022	SCI	Yes	Listed as First Author and affiliation with AGC Mentioned
Analysis and Optimisation of various process parameters and effect on the hardness of SS-304 stainless steel welded joints	<i>International journal on Interactive Design and Manufacturing (IJIDeM)</i>	April, 2023	SCI	Yes	Listed as First Author and affiliation with AGC Mentioned

Keeping afore-mentioned under consideration, the Committee members recommend the cash incentives of Rs. 20,000/- for publishing the papers as per policy of the institute.

RDC Members:

1. Dr. Namrata Kad, Prof., EE Department 
2. Dr. Amarpreet Singh, Dy. Dean Academics 
3. Dr. Navdeep Singh, Dy. Dean (R & D) 
4. Dr. Narinder Sharma, Dean (R & D) 

Approved By:

  
Dr. Gaurav Tejpal  
(Principal, AGC)

To,  
The Principal  
Amritsar Group of Colleges  
Amritsar

18t

**Subject: Regarding to provide cash incentive for publishing paper in SCI Indexed Journals.**

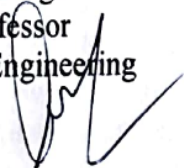
Respected Sir,

I have published research paper in SCI Indexed ( 2.2 Impact factor) journal having paper entitled "Machinability behaviour of human implant materials" As per HR Policy of the Institute in regards cash incentives for publication of the paper in peer reviewed journal, kindly find below listed detail of publications.

Title of Paper	Name of journal	Date of publication	SCI/SCOPUS/UGC Care
Machinability behavior of human implant materials	Journal of Electrochemical Science and Engineering	29/10/2022	SCI Indexed. With (2.2) impact factor

Also find enclosed first page of published paper along with required proofs. I will be highly obliged.

With regards.  
Dr. Gurbhej Singh  
Assistant Professor  
Mechanical Engineering







Original scientific paper

## Machinability behavior of human implant materials

Gurbhej Singh<sup>✉</sup>, Rajbir Singh and Jameel Gul

Amritsar Group of Colleges Amritsar, 143001, Punjab, India

Corresponding author: [gurbhejsingh612@gmail.com](mailto:gurbhejsingh612@gmail.com)

Received: September 11, 2022; Accepted: October 16, 2022; Published: October 29, 2022

### Abstract

*In this day and age, engineered materials are making significant strides in their application in the biomedical sector. Human implants have piqued the interest of material and metallurgy researchers due to their unique properties. Machining the materials into implants customized for individual patients has been the standard practice nowadays. To contribute further to the same area, the current research work aims to investigate the machinability of T-L107.12 (a titanium-based human implant) using a non-traditional method called wire electrical discharge machining (WEDM). The machinability of the machining process has been evaluated based on the material removal rate using a roughness meter and the atomic force microscope. The further impact of the machining parameters on the output responses was analyzed based on the statistical analysis.*

### Keywords

Titanium; roughness; material removal rate; wear

### Introduction

The use of biocompatible metals in medical implants at the time of the Industrial Revolution in the 19<sup>th</sup> century led to a period that saw the beginning aspects of the process of the metal industry [1]. The key element that spurred the rise of the metal implant business was the growing need for surgical treatments to repair broken bones [2]. These operations often include the internal healing of long bone fractures. However, until the aseptic method of Lister's surgery was used in the 1860s, there were so few successes in attempts to implant metal appliances like bone pins and spinal wires composed of gold, silver, or iron [3]. These attempts were met with extremely limited levels of success. Up until recently, there were relatively few obstacles that needed to be overcome in order to implant metal appliances. After that, biocompatible metals led to the development of orthopedic applications that currently play an important role in orthopedic appliances [4-6]. These orthopedic appliances include temporary appliances like bone plates and pins and screws and permanent implants such as overall joint replacement [7]. Meanwhile, biocompatible metals can also be found in orthodontic and dental applications, like dental roots and fillings [8]. This is because these metals can be used without causing any adverse reactions. This is due to the fact that there is no chance of

## Dashboard - Publications

## Faculty Research Publications Detail

## List of Books Published

S. No.	Book Title	Publisher Name	Co-Author(s)	Year of Publication	ISBN
No Record Found					

## List of Conferences Publications

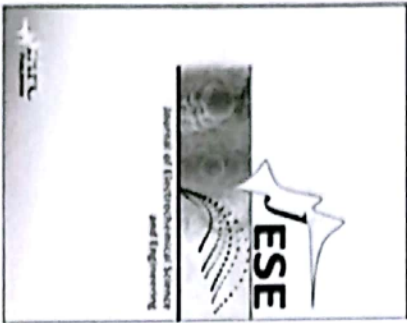
S. No.	Paper Title	Conference Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	From	To	Venue
No Record Found									

## List of Journal Publications

S. No.	Paper Title	Journal Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	Volume	Issue	Impact Factor	Indexed
1	Consequences of hydroxyapatite doping using plasma spray to implant biomaterials	Journal of Electrochemical Science and Engineering	Arvinder Mehta	International	2023	5-29	13	13 (1) 2023	2.2	SCI
2	Analysis and optimization of various process parameters and effect on the hardness of SS-304 stainless steel welded joints	International Journal on Interactive Design and Manufacturing (IJIDeM)	Harmanjit Singh, Yogita Sharma	International	2023	1-7	1361	01361	2.1	SCI
3	Machinability behavior of human implant materials	Journal of Electrochemical Science and Engineering	Rajbir Singh, Jarnel Gul	International	2022	99-114	13	13 (1) 2023	2.2	SCI
4	Electrochemical behaviour and biocompatibility of cladings developed using microwave route	Journal of Electrochemical Science and Engineering	Arvinder Mehta and Anil Bansal	International	2022	173-192	13	13 (1) 2023	2.2	SCI
5	Efficient surface deflection for assisting Collaborative Robots	Robotics and Autonomous Systems	Sumanjit Singh and Mohit Sehwan	International	2022	1-7	161	161 ,2023,	4.3	SCI



Journal of Electrochemical Science and Engineering (ISSN 1847-9286) is an international, peer-reviewed open-access journal devoted to the rapid dissemination of new and original scientific results in all areas of electrochemical science, engineering, technology and material engineering.



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ISSN: 1847-9286

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2.2

2.7

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To,  
The Principal  
Amritsar Group of Colleges  
Amritsar

2nd

Subject: Regarding to provide cash incentive for publishing paper in SCI Indexed Journals.

Respected Sir,

I have published research paper in SCI Indexed (2.1 Impact factor) journal having paper entitled "Analysis and optimization of various process parameters and effect on the hardness of SS-304 stainless steel welded joints" As per HR Policy of the Institute in regards cash incentives for publication of the paper in peer reviewed journal, kindly find below listed detail of publications.

Title of Paper	Name of journal	Date of publication	SCI/SCOPUS/UGC Care
Analysis and optimization of various process parameters and effect on the hardness of SS-304 stainless steel welded joints	International Journal on Interactive Design and Manufacturing (IJIDeM)	13/04/2023	SCI Indexed. with impact factor 2.1

Also find enclosed first page of published paper along with required proofs. I will be highly obliged.

With regards.  
Dr. Gurbhej Singh  
Assistant Professor  
Mechanical Engineering



# Analysis and optimization of various process parameters and effect on the hardness of SS-304 stainless steel welded joints

Gurbhej Singh<sup>1</sup> · Harmanjit Singh<sup>2</sup> · Yogita Sharma<sup>3</sup> · Hitesh Vasudev<sup>4,5</sup> · Chander Prakash<sup>4,5</sup>

Received: 12 January 2023 / Accepted: 17 April 2023

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## Abstract

Welding using a metal inert gas, also known as MIG welding, is an acceptable method for joining stainless steel. The impact of welding parameters on the hardness of the welded connections was investigated in the work that is being presented here. These welding parameters include gas flow rate, current, and voltage. Regarding the data that were acquired through experimentation, the modification was carried out using MINITAB. The design matrix of the trials was figured out by using the design of the experiment (DOE) program Minitab 21.1.0. The number of input parameters that were used was the primary factor in this determination. The Taguchi orthogonal matrix methodology (Taguchi) technique was used to generate some empirical analyses for maximal suitable surface hardness as a function of the aforementioned welding parameters. These analyses were used to make some recommendations for improving the welding process. The typical reaction to the degree of difficulty if there is a variation in the gas flow rate (GFR), it is crystal obvious that level 3 for a gas flow rate of value corresponds to 219 HV<sub>0.3</sub>, which is indicated as the best circumstance for obtaining the optimal value of hardness. At level 1, for the value of current 70 amperes, it results from the value 222 HV<sub>0.3</sub>, which demonstrates the optimal condition for hardness, when a fluctuation of current is considered to be a factor in the calculation. At level 1, for a voltage value of 20 volts, it results in a value of 216 HV<sub>0.3</sub>, which is indicated as the best condition of optimal hardness. This is pointed out as the best condition of optimum hardness.

**Keywords** MIG · Optimization · Process parameters · Taguchi · Gas flowrate hardness

## 1 Introduction

Now welding is an important part of today's industry. Welding is used in industry in different forms, and different ways. There are different welding Techniques used in different industries according to use. It may be manual, automatic, or semi-automatic which is used in different which used in different industries according to the production. Welding is a common process in which a welding technique is used to join two pieces of metal together. In this welding filler materials have their importance. Without this welding is incomplete because as a result of these filler materials our joint is strength able. During welding, heating effects are produced at the particular area, which is needed to melt, without this heating effect welding is difficult. In the case of welding when current is on the electrodes allow the current to flow through, so as a result at the tip heating effect is generated, resulting in the creation weld pool. In that area where the weld pool is generated as time passes cooling effect is there at the weld pool, which results in solidification. Both arc

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- <sup>2</sup> Department of Mechanical Engineering, Shiv Shankar Institute of Engineering & Technology, Patti 146104, India
- <sup>3</sup> Shaheed Bhagat Singh State University, (NH-95), Ferozepur-152001, Punjab, India
- <sup>4</sup> School of Mechanical Engineering, Lovely Professional University, Phagwara 144411, India
- <sup>5</sup> Division of Research and Development, Lovely Professional University, Phagwara 144411, India

## Faculty Research Publications Detail

## List of Books Published

S.No.	Book Title	Publisher Name	Co-Author(s)	Year of Publication	ISBN
No Record Found					

## List of Conference Publications

S.No.	Paper Title	Conference Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	Volume	From	To	Venue
No Record Found										

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S. No.	Paper Title	Journal Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	Volume	Issue	Impact Factor	Indexed
1	Consequences of hydroxyapatite doping using plasma spray to implant biomaterials	Journal of Electrochemical Science and Engineering	Amitinder Mehla	International	2023	5-23	13	13 (1) 2023	2.2	SCI
2	Analysis and optimization of various process parameters and effect on the hardness of SS-304 stainless steel welded joints	International Journal on Interactive Design and Manufacturing (IJIDeM)	Hemanjli Singh, Yogita Sharma	International	2023	1-7	1361	01361	2.1	SCI
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5	Efficient surface detection for assisting Collaborative Robots	Robotics and Autonomous Systems	Sumanjli Singh and Mohit Sawan	International	2022	1-7	161	161, 2023.	4.3	SCI






# International Journal on Interactive Design and Manufacturing (IJIDeM).

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Duc Truong Pham

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Principal

Amritsar Group of Colleges

Amritsar

Subject: Reimbursement of Registration Fees of ICSSR Sponsored National Seminar.

Respected Sir

With due respect, I want to state that I, Pooja Puri, working as a Professor and Head in the Department of Management Studies. My research manuscript entitled "Electoral Reforms in India: Issues and Challenges" had been accepted for presentation in ICSSR Sponsored One-Day National Seminar on "Punjab Assembly Election 2022: Reflections on Leadership, Caste, Identity & Issues of Governance" dated 29<sup>th</sup> July 2023 organized by the P.G Department of Political Science, Doaba College, Jalandhar. I am requesting you consider my application for reimbursement of the registration fees of Rs. 500/-.

I shall be highly thankful to you. Kindly consider the same.

With Regards

  
Dr. Pooja Puri

Professor and Head

Deptt. Of Management Studies

Date: 3<sup>rd</sup> August, 2023.





# DOABA COLLEGE, JALANDHAR

Certificate No.:

Re-accredited 'A' Grade by NAAC (Cycle-II), College with Potential for Excellence (CPE), Star College Status by DBT, Govt. of India

## P.G Department of Political Science Organises

ICSSR North Western Region Sponsored National Seminar  
Punjab Assembly Election 2022: Reflections on Leadership,  
Caste, Identity & Issues of Governance

This is to certify that Dr. / Mr. / Ms. **POOJA PURI**.....  
has Participated/presented paper/ chaired technical session/ delivered keynote address/ delivered  
valedictory speech entitled "**ELECTORAL REFORMS IN INDIA: ISSUES AND CHALLENGES**.....  
..... in the National Seminar

Organised by PG Department of Political Science, Doaba College, Jalandhar on 29th July, 2023.

Dr. Vinay Girotra

Dean

Dr. Nirmal Singh

Coordinator

Dr. Pardeep Bhandari

Principal



# Doaba College, Jalandhar

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## PG DEPARTMENT OF POLITICAL SCIENCE

*Organises*

One-Day Seminar

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CASTE, IDENTITY AND ISSUES OF GOVERNANCE**

**July 29, 2023**



Sponsored by:

**ICSSR NORTH-WESTERN REGION, CHANDIGARH**



## ABOUT THE DOABA COLLEGE

Doaba College Jalandhar (Punjab) is a Multi-faculty Postgraduate Co-educational Pioneer Institution of North India. The visionary founding fathers viz Sh. Bindraban Sondhi, Rai Bahadur Badri Dass, Sh. Jagan Nath Mittal and Acharya Lajja Vati were the icons of Arya Samaj and spartan freedom fighters who laid the foundation of Doaba College in 1941, to promote the philosophy of Maharishi Swami Dayanand. It was conceived as a part of the national movement for freedom with education through traditional courses as a potent means to arouse public opinion to fight against imperialism and safeguard rich cultural heritage of the country. Now keeping pace with changing times there is emphasis on professional courses under stewardship of Sh. Chander Mohan, renowned journalist and President of Arya Shiksha Mandal. Doaba College, Jalandhar has been pioneering the noble task of imparting qualitative, traditional and professional education since its inception in 1941. We are proud to be part of rich legacy of this 82 year old institution that has achieved rare milestones in its eventful history. The institution always strives to impart qualitative and holistic learning to the students. In its endeavour to nurture the students, the college has all traditional humanities courses as well as profession oriented courses. Every year students from Himachal Pradesh, Jammu & Kashmir, Haryana, Uttarakhand, Uttar Pradesh and Punjab join this reputed institution in various traditional and professional undergraduate and postgraduate courses. The college has vast sprawling lush green campus spreading over 21 acres, 65 airy and spacious class-rooms, both traditional and ICT enabled that sufficiently accommodate the available number of the students.

## ABOUT THE SEMINAR

Punjab Assembly Elections 2022 were a four-cornered contest. The Aam Aadmi Party (AAP), the Congress, the Shiromani Akali Dal (SAD)Badal and the Bharatiya Janata Party (BJP) in alliance with Captain Amarinder Singh's Punjab Lok Congress (PLC) were the major contenders. The talk of political change in Punjab was in air and eventually emerged the key factor for majority of the people, as despite having tried both the Congress and the Akalis, their problems remained unaddressed for years. Therefore, what APP asked for was given overwhelmingly. AAP scripted history by winning 92 of the 117 assembly seats with a vote share of 42 percent. The incumbent Congress suffered a severe drubbing securing a vote share of nearly 23 percent while the SAD (Badal) and its erstwhile partner BJP could get vote shares of nearly 18 percent and 7 percent respectively. The incumbent Chief Minister Charanjit Singh Channi could not save either of his contested seats and over half of his stalwart ministers also lost the electoral battle.

The victory of AAP should not be seen as a chance phenomenon or accidental win. The Congress and the SAD (B)-BJP combine winning elections alternatively, but not delivering on the vital issues led people to desert these two parties. The mismanagement and poor governance along with failure on religious front, rampant flow of drugs, rise in crime and gang wars alongwith unbridled rise in sand and gravel prices left the people disenchanted with the



traditional political parties. This election to Punjab legislative assembly was unprecedented in a number of ways. Two main political contenders i.e. the Congress and the AAP declared their CM faces before the elections while the SAD and the BJP remained silent on this issue. The Dalit politics has been an integral part of the Punjab politics but in this election it gained momentum and currency. The Dalit card was used by political parties in this election like never before as Punjab has the highest percentage of Dalit population at nearly 32 percent as per Census 2011 (recent estimates putting at around 35 percent).

There was intense competition among parties in terms of announcements of political sops offered to the Punjab electorates. The freebies included free power units, cash for women, free cylinders, increased social security pensions, hiked amount for Shagun scheme, among others. Both the SAD-BJP combine and the Congress failed to curb drug menace and deliver justice in sacrilege cases and Kotkapura-Behbal Kalan incidents. The gangster groups raised their heads that led to daylight killings and other crimes. The corruption remained on high tide impacting routine governance and impacting common masses particularly poor ones. The health services were in dismal state as exposed during Covid-19 time. This time these issues worked heavily on the minds of electorates.

The Punjab assembly elections which unfolded many new things need scrutiny to know where politics of the state is heading to. In this backdrop, the proposed seminar plans to hold discussions on the issues of political leadership, caste, identity and issues of governance. The seminar will deliberate the party system in Punjab and new trends and political defections and splits that have emerged in the form of birth of new political parties and coalitions. The seminar would probe the question of Dalit politics in the state and compulsion of parties to announce CM or Deputy CM posts for the Dalit community. It will also try to analyse the issues of governance which got highlighted during the elections and issues that were avoided by political parties in their election manifestos and poll campaigns along with reasons for doing so. The seminar will endeavour to compare the vision of political parties offered through their poll manifestos and election campaign. The seminar will discuss rationale behind announcing freebies as also the fiscal sustainability of the state. The seminar will analyse the gap between popular demands and political announcements to see that manifestos and announcements of leaders are in conformity with the popular requirements.

**Following are the tentative sub-themes to be taken in up in the deliberations of the seminar:**

1. Party system in Punjab and their changing support base.
2. Comparative account of leadership of the parties.
3. The identity issue through the elections and beyond.
4. New trends and issues of Dalit identity politics in the state.
5. Electoral politics in 2022 election and the prudence of freebies
6. Vision of political parties through election manifestos and beyond.
7. The public opinion and popular demands.
8. Issues that got attention and ones ignored/avoided by political parties.
9. Farmers movement and recent elections

The above list of sub-themes is only indicative one but not exhaustive. The paper on any theme related to the seminar will be considered.

### CALL FOR PAPERS

The papers are invited from the Academicians, Professionals, Researchers, Advocates, Research Scholars and the Students from law and social sciences background on the above mentioned theme/sub-themes of the seminar. Authors of selected abstracts shall be given an opportunity to present their paper during the National Seminar. Abstract and full research papers are to be submitted through Email ID- [politicalsciencedcj@gmail.com](mailto:politicalsciencedcj@gmail.com). Registration Form is to be submitted through GOOGLE FORM-

**Registration Link:** <https://event.doabacollege.net/registration.php>

#### Important Dates:

Seminar Date: July , 2023 (Saturday)

Last Date For Sending Abstracts: July 26, 2023

Last Date For Sending Papers: July 28, 2023

#### Registration Fee for Single Author:

Faculty: INR 500

Research Scholars and Students: INR 200



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Bank Name	Indian Overseas Bank
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Type of Account	Saving



**Chief Patron**  
**Sh. Chander Mohan**

**Patron**  
**Dr. Pardeep Bhandari**  
**(Principal)**

**Seminar Convener**  
**Dr. Nirmal Singh**  
**Department of Political Science**

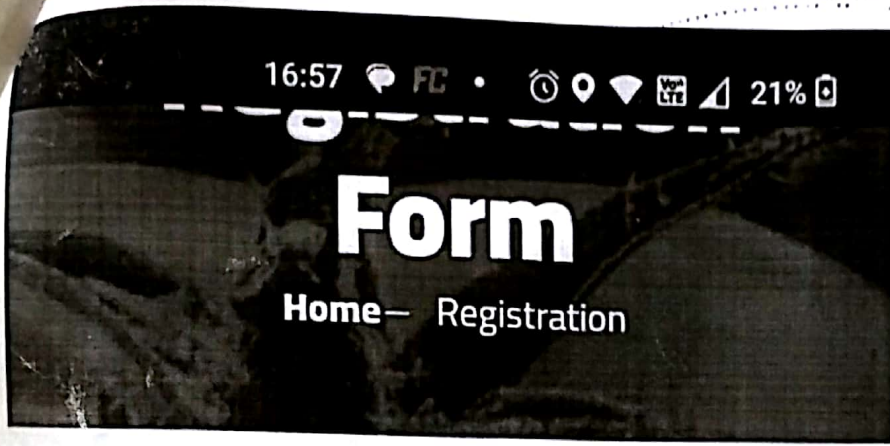
**Organising Secretary**  
**Dr. Simran Sidhu (Head, PG. Dept. of JMC)**  
**Dr. Vinay Girotra (Head, PG. Dept. of Political Science)**

**Organising Committee**  
**Dr. Arti Behl**  
**Dr. Naiya Mahajan**  
**Prof. Ranjit Singh**  
**Prof. Gursimran Singh**  
**Prof. Priya Chopra**  
**Prof. Vikas Jain**  
**Dr. Narinder Kumar**

**Date : July 29 , 2023 (Saturday)**

**For Any Query Please Contact:**  
**Dr. Vinay Girotra (Head)**  
**(90418-87477)**  
**Dr. Nirmal Singh (Seminar Convener)**  
**(98150-73460, 95010-30199)**





Dear Pooja,

Thank You. Your Registration status is confirmed as success. Your Transaction ID for this transaction is 1fb9176b629ed6f00c40.

We have received a payment of Rs. 500.00.

The schedule of 'One Day Seminar on Punjab Elections 2022' is as follows:

**Date: 29-07-2023**

**Venue: Doaba College, Jalandhar**

**Note:** For any kind of assistance, kindly feel free to reach us at

**Website:** <https://event.doabacollege.net>

**For real time updates join WhatsApp Group:**

<https://chat.whatsapp.com/Jh00gzUrdo04No10XbLU0>

Dr. Vinay Girotra (90418-87477)


Dr. Nirmal Singh (98150-73460, 95010-30199)

**Thanks & Regards,**

**Dr. Pardeep Bhandari**

**Principal**

About DCI

 <p><b>AMRITSAR</b> GROUP OF COLLEGES</p> <p>NAAC Grade "A" 3<sup>rd</sup> Cycle under Autonomous Category   Autonomous College (Since 2014) Conferred by UGC</p>	<p><b>RDC Committee Recommendations for Cash Incentive</b></p>	<p><b>Dean (R &amp; D) Office</b></p>
	<p><b>AGC/DORD/2023/52</b> <b>Dated: 13/9/ 2023</b></p>	

The Principal,

Amritsar Group of Colleges, Amritsar

Subject: Recommendation by R & D Committee for providing the cash Incentives for granting the Patent




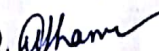
Respected Sir,

This is with reference to request made by Dr. Paramjit Singh, Registrar in regard to cash incentives for granting the patent from UK Design:

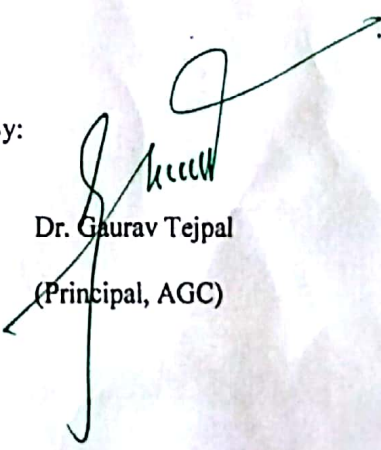
Title of Invention	Patent No. / Granted by	Date of Grant	Class/Subclass	Uploaded on ERP Portal	Affiliation
Gas Path mechanical Tool for Steel Industry	6302299 / UK Government	16 <sup>th</sup> August, 2023	Class: Tools and Hardware  Subclass: Tools and Implements (Mechanical Engineering)	Yes	Affiliation with AGC Mentioned

Keeping afore-mentioned under consideration, the Committee members recommend the cash incentives of Rs. 35000/- (Rs. 15000 Registration Fees and Rs. 20000/- incentives) for granting the patent as per policy of the institute.

RDC Members:

1. Dr. Gurbhej Singh, Assistant Prof., ME Department 
2. Dr. Namrata Kad, Head & Prof., EE Department 
3. Dr. Navdeep Singh, Dy. Dean (R & D) 
4. Dr. Narinder Sharma , Dean (R & D) 

Approved By:

  
Dr. Gaurav Tejpal  
(Principal, AGC)

Amritsar x | M Inbox (2) x | M Inbox (2) x | M Fwd: be... x | (4) What... x | G register... x | Find a re... x

registered-design.service.gov.uk/find/6302299

**GOV.UK** Find a registered design  
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Design number  
**6302299**

Status Registered	Registration date 7 August 2023	Renewal date 7 August 2028
----------------------	------------------------------------	-------------------------------

Overview | Illustrations | Names and addresses | History

Application date 7 August 2023	Grant date 16 August 2023	Publication date 17 August 2023
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Indication of Product  
Gas Path Mechanical Tool for Steel Industry

Classification

Class	08 - TOOLS AND HARDWARE
Sub class	05 - OTHER TOOLS AND IMPLEMENTS

WhatsApp Image...jpeg | Proforma for Fina...docx | List of Non Teach...xlsx

Amritsar x | M Inbox (2) x | M Inbox (2) x | M Fwd: be... x | (4) What... x | G register... x | Find a re... x

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Feedback

Design number  
**6302299**

Status Registered	Registration date 7 August 2023	Renewal date 7 August 2028
----------------------	------------------------------------	-------------------------------

Overview | Illustrations | Names and addresses | History

Contact (address for service)

Vats IPR Services  
13-15 TRAFALGAR ROAD, BLACKPOOL, FY1 6AW

Owners

Name	Address
Niranjan Mahato	Ghosh Pada Road, Kalla (CH), Asansol, Paschim Bardhaman, West Bengal, Pin code, 713340
Dr. Paramjit Singh	Department of Mechanical Engineering, Amritsar Group of Colleges, 12 Km Stone, Amritsar Jalandhar G.T. Road, ...
Dr. Pankaj Kumar Gupta	Village and Post - Pandeyour Radhe, District Ghazipur, Uttar Pradesh, 233300

WhatsApp Image...jpeg | Proforma for Fina...docx | List of Non Teach...xlsx

Wednesday, September 11, 2023



Date: 01-09-2023

The Principal,  
Amritsar Group of Colleges,  
Amritsar.

(Through R&D Committee of the College & as per rules)

Subject: Request to provide the cash incentive & registration fee for granting the Patent (IPR)

Respected Sir,

This is with reference to the meeting of R&D Committee held on 16<sup>th</sup> July, 2021 in regard to the cash incentives and registration fee to faculty member(s) for granting the patent. I wish to submit the granting certificate & other details for the patent (IPR) recently granted to me as under:

Title of Invention: Gas Path Mechanical Tool for Steel Industry

Patent Number: 6302299

Class: Tools and Hardware

Subclass: Tools and Implements (Mechanical Engineering)

Grant date: August 16, 2023

I shall be highly thankful for your kind consideration and approval for cash incentive and reimbursement of registration fee to me for this patent (IPR).

Regards,



Dr. Paramjit Singh  
Registrar



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6302299

Grant date: 16 August 2023

Registration date: 07 August 2023

**This is to certify that,**

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Niranjan Mahato, Dr. Paramjit Singh, Dr. Pankaj Kumar Gupta

in respect of the application of such design to:

Gas Path Mechanical Tool for Steel Industry

International Design Classification:

Version: 14-2023

Class: 08 TOOLS AND HARDWARE

Subclass: 05 OTHER TOOLS AND IMPLEMENTS

*Adam Williams*

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipa](http://www.gov.uk/ipa)

Self attested:

*Dr. Paramjit Singh*  
(Dr. Paramjit Singh)  
Professor  
(Applicant)

## Priority claims

None

## Owner details

**Niranjan Mahato**

Ghosh Pada Road, Kalla (CH), Asansol, Paschim Bardhman, West Bengal, Pin code- 713340, India

**Dr. Paramjit Singh**

Professor, Department of Mechanical Engineering, Amritsar Group of Colleges, 12 Km Stone, Amritsar Jalandhar G.T. Road, Amritsar, Punjab, India

**Dr. Pankaj Kumar Gupta**

Village and Post - Pandeypur Radhe, District Ghazipur, Uttar Pradesh- 233300, India

Please note this is an uncertified copy of your registration document which you can use for research or personal use.

Self Attested:

Dr. Paramjit Singh  
(Dr. Paramjit Singh)  
(Applicant)

Certificate / Declaration

I declare that total payment paid us (three members) for the patent (patent registration fee) is Rs. 50000/-. Further, out of total Rs. 50000/-, only Rs. 15000 (one third share) is paid by me.

So I request the institute for reimbursing me Rs 15000/- only

Dr. Paramjit Singh  
(Dr. Paramjit Singh)  
(Applicant)





Intellectual  
Property  
Office

Registered design  
[UNCERTIFIED COPY]

## Design details

Design application number  
6302299

Filing date (provisional)  
07 August 2023

Defer registration  
No

Design  
Gas Path Mechanical Tool for Steel Industry

Additional description  
None

Illustration disclaimer  
No claim is made for the colour shown

### Illustrations



Self Attested:

*(Signature)*  
(Dr. Paanjit Singh)  
(Applicant)

Repeated surface pattern  
No

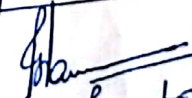


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Amount	₹30,000.00
Date	Today, 01 Aug 2023
Transfer Mode	Immediate Payment(IMPS)
Remarks	Uk design patent 02

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(Dr. Anant Singh)  
(Applicant)



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please tap on 'Go to  
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STATE BANK OF INDIA  
Savings Account  
3248 7654 521

Amount ₹20,000.00

Date Today, 01 Aug 2023

Transfer Mode Immediate Payment(IMPS)

Remarks Uk design patent 02

Self Attested:

*(Signature)*  
(Applicant)



# AMRITSAR GROUP OF COLLEGES

**Autonomous status conferred by UGC under UGC act -1956 (2f), NAAC –A Grade**

(Formerly known as Amritsar College of Engineering and Technology | Amritsar Pharmacy College)

**Ref.: AGC/DORD/2023/31(b)**

**Dated: 20<sup>th</sup> July, 2023**

The Principal,

Amritsar Group of Colleges, Amritsar

Subject: Recommendation by R & D Committee for publishing the paper in Scopus Indexed Journals

Respected Sir,

This is with reference to request made by Dr. Amarpreet Singh, Professor, Computer Science & Engineering Department in regard to cash incentives for publishing the papers in Scopus listed indexed journal. The following observations have been given by the committee members:


Title of the paper	Name of the Journal	Date of Publication	Indexed in	Uploaded on ERP Portal	Author Details in Manuscript
Gray level Co-occurrence with Binary Robust invariant Scalable keypoints for detecting Copy Move Forgeries	<i>Journal of Image and Graphics</i>	March, 2023	Scopus	Yes	Listed as First Author and affiliation with AGC Mentioned
Chaotic Bee Colony Optimisation for enhancing life span of wireless sensor Networks	<i>Proceedings-2022 International Conference on Computational, Modeling, Simulation and Optimisation</i>	April, 2023	Scopus	Yes	Listed as First Author and affiliation with AGC Mentioned

Keeping afore-mentioned under consideration, the Committee members recommend the cash incentives of Rs. 10000/- for publishing the papers as per policy of the institute.

RDC Members:

1. Dr. Gurbhej Singh, Asst. Prof., ME Department
2. Dr. Namrata Kad, Prof., EE Department
3. Dr. Navdeep Singh, Dy. Dean (R & D)
4. Dr. Narinder Sharma, Dean (R & D)

Approved By:

  
Dr. Gaurav Tejpal  
(Principal, AGC)

To

The Principal,  
Amritsar Group of Colleges  
Amritsar

Subject: Request to provide the cash incentive for publishing Scopus indexed research papers.

Respected Sir,

This is with reference to meeting of HR Policy of the institute in regard to cash incentive to the faculty members for publishing Scopus indexed research paper .Kindly find the below given detail of the papers published in SCI indexed journal:

Title of the paper	Name of the Journal	Date of Publication	SCI/SCOPUS indexed
Gray Level Co-occurrence Matrix with Binary Robust Invariant Scalable Keypoints for Detecting Copy Move Forgeries	Journal of Image and Graphics	March 2023	SCOPUS
Chaotic Bee Colony Optimization for Enhancing Life Span of Wireless Sensor Networks	Proceedings - 2022 International Conference on Computational Modelling, Simulation and Optimization, ICCMSO 2022, 2022, pp. 158-165	<b>Date of Conference:</b> 23-25 December 2022 <b>Date Added to IEEE Xplore:</b> 17 April 2023 <b>ISBN Information:</b> <b>INSPEC Accession Number:</b> 22960493 <b>DOI:</b> 10.1109/ICCMO58359.2022.00042 <b>Publisher:</b> IEEE <b>Added in Scopus :</b> Apr 2023	SCOPUS

Also find an enclosed first page of each published paper along with required proofs.

I will be highly obliged for the consideration.

With Regards,

Dated: 9<sup>th</sup> June, 2023

  
Dr. Amarpreet Singh

Professor -CSE



# Gray Level Co-occurrence Matrix with Binary Robust Invariant Scalable Keypoints for Detecting Copy Move Forgeries

Amarpreet Singh and Sanjogdeep Singh\*

Amritsar Group of Colleges, Amritsar, India; Email: amarpreet.cse@acetedu.in (A.S.)

\*Correspondence: er.sanjogdeep@gmail.com (S.S.)

**Abstract**—With advancement in technology, especially in imaging field, digital image forgery has increased a lot nowadays. In order to counter this problem, many forgery detection techniques have been developed from time to time. For rapid and accurate detection of forged image, a novel hybrid technique is used in this research work that implements Gray Level Co-occurrence Matrix (GLCM) along with Binary Robust Invariant Scalable Keypoints (BRISK). GLCM significantly extracts key attributes from an image efficiently which will help to increase the detection accuracy. BRISK is known to be one of the 3 fastest modes of detection which will increase the execution speed of GLCM. BRISK even processes scaled and rotated images. Then the Principal Component Analysis (PCA) algorithm is applied in the final phase of detection will remove any unrequited element from the scene and highlights the concerned forged area.

**Keywords**—copy-move forgery, Discrete Wavelet Transform (DWT), Gray Level Co-occurrence Matrix (GLCM), general architecture, image manipulation

## I. INTRODUCTION

Image forensics' objective is to identify the legitimacy and source of digital photographs without the assistance of an embedded security system. One of the most actively researched subtopics in this subject is certainly Copy-Move Forgery Detection (CMFD). A copy-move forgery is a name given to an image that has had some of its content copied and pasted into another region of the same picture. Common motives include hiding a feature in the image or emphasising certain elements. A copy-move fake is simple to produce. Furthermore, as the source area and the target area are both parts of a single image, so characteristics like color intensity [1], lighting, and noise are anticipated to be closely aligned between the manipulated and the original region.

A major tool in digital picture recognition is copy-move forgery detection that has emerged as a hot topic of research in recent years as it relates to the reliability and legitimacy of photographs (CMFD). Because the tampered section is reproduced from a single photograph,

CMFD's objective is to identify regions that are similar to other regions of the image. Geometric or post-processing procedures are typically performed upon manipulated parts during the tampering process to render the forgery genuine and undetectable. The key piece of evidence in CMFD is the striking resemblance between the manipulated parts and the original zones [2].

Broadly, the two categories are utilized to carry out operations on the image depending upon the type of a forgery. The categories are shown in Fig. 1 below.

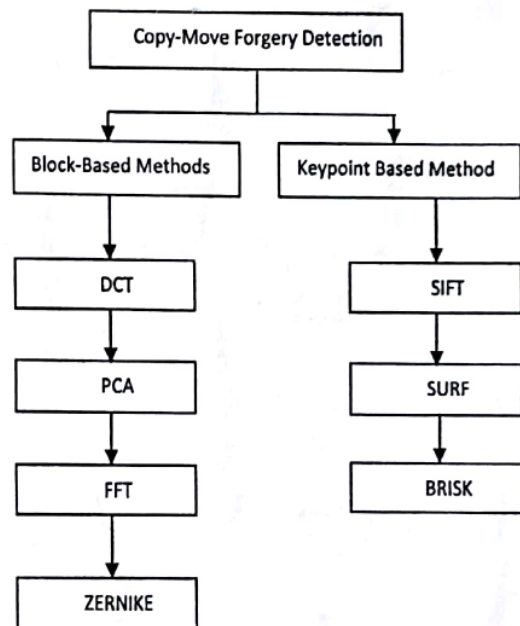


Figure 1. Categories of CMFD techniques.

The following information is more pertinent to the pipeline's steps:

1) *Pre-processing*: Pre-processing is the preliminary step, which includes certain conversion, transformation or decomposing procedures. Preparing and representing data such that the upcoming feature extraction phase is as effective as possible is the aim of the pre-processing phase. The two simplest but also most crucial pre-processing techniques are colour space conversion and

# Chaotic Bee Colony Optimization For Enhancing Life Span Of Wireless Sensor Networks

Amarpreet Singh  
Department of CSE  
AGC Amritsar, Punjab, India  
IKGPTU Jalandhar  
[amarpreet.cse@acet.edu.in](mailto:amarpreet.cse@acet.edu.in)

Priyanka  
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IKGPTU Jalandhar  
[Privyavishu1167@gmail.com](mailto:Privyavishu1167@gmail.com)

## Abstract

In the last few decades, the application of Wireless Sensor Networks (WSNs) has been increasing drastically in wide range of fields. These WSN networks comprise of small sensor nodes that have limited battery capacity and cannot be replaced or recharged. Therefore, it is important to utilize energy of sensor nodes effectively so that network lifespan is prolonged. In this paper, an effective energy efficient protocol is proposed that is based on chaotic maps and Artificial Bee Colony (ABC) optimization algorithm. The major objective of the proposed methodology is to reduce the energy consumption of nodes which automatically enhances network lifespan. To combat this task, initially network is initialized wherein nodes are deployed randomly across the sensing region. Since, selection of CH is one of the important tasks that define network efficiency largely. Therefore, in the proposed work Chaotic bee colony optimization technique is used for selecting CH in the network. The proposed technique analyzes three parameters like residual energy, node density and distance to calculate their fitness value. The node with best fitness value is selected as the CH in that cluster for particular iteration. In addition to this, the concept of relay node is introduced in the proposed model for reducing the burden on CH nodes. This relay node is used as intermediate for passing data from CH to sink node. The performance of proposed approach is analyzed in MATLAB software under different parameters.

*Keywords-* cluster head, chaotic maps, artificial bee colony and wireless sensor network.

## I. INTRODUCTION

Owing to advancements in wireless connectivity, WSNs can be defined as networks that constitute number of sensing devices which gather data by communicating with each other. These sensing devices are often called as sensor nodes and usually have a processor, storage, battery and transceiver for processing, storing data, power and communication respectively [10]. A typical WSN consists of one or more BS and thousands of small, intelligent, low-

energy sensor node (SNs) (see figure 1) [18]. Usually, these nodes are statically distributed in the given sensing region, however in some cases nodes tend to move and interact with the physical world [12]. WSN are a good choice for a various application because sensor nodes may carry out a wide range of tasks, such as sensing the surroundings, communicating with neighboring nodes and in many instances performing simple arithmetic on the data collected [19, 15, 13]. But unfortunately, they have number of constraints like limited battery, storage abilities and network lifespan [10]. The nodes present in the network utilize their energy in number of ways, but a major portion of energy is utilized while processing the information and finding the route to deliver data. Due to energy and transmission spectrum limitations, it is critical to define and maintain routes in WSNs. The development of a routing algorithm that uses little energy is essential for extending the life of wireless networks [17].

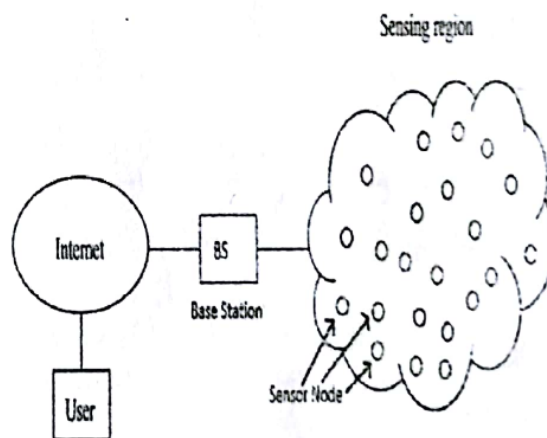


Figure 1. Basic WSN network

Clustering is one of the effective techniques for solving the problem of energy consumption in WSN networks. In this approach, the entire wireless network is divided into clusters and in each cluster one leader



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# Singh, Amarpreet

Amritsar Group of Colleges, Amritsar, India

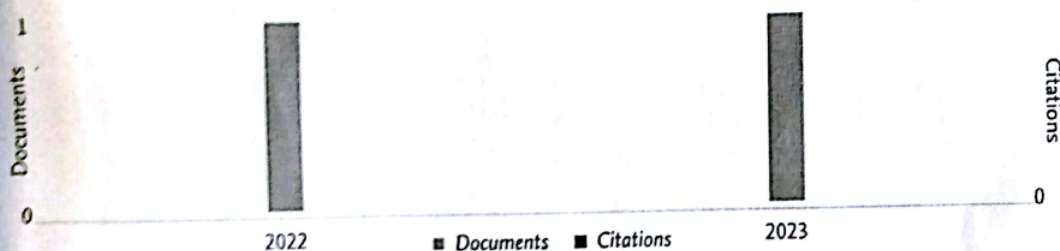
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*Proceedings - 2022 International Conference on Computational Modelling, Simulation and Optimization, ICCMSO 2022, 2022, pp. 158-165*

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### General Information

**ISSN: 2301-3699 (Print); 2972-3973 (Online)**

**Editor-in-Chief:** Dr. Branislav Vuksanovic, School of Engineering, University of Portsmouth, Portsmouth, UK

**Associate Executive Editor:** Ms. Jennifer Zerig

**DOI:** 10.18178/joig

**Abstracting/Indexing:** Scopus (Since 2021), CNKI, Ulrich's Periodicals Directory, Google Scholar, Crossref, etc.

**E-mail** questions or comments to JOIG Editorial Office

**Journal Metrics:**

27 <sup>2022</sup>  
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Fifth percentile

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**Journal of Image and Graphics(United Kingdom)**

Q2 Computer Graphics and Computer Aided Design  
best quartile

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### Editor-In-Chief



**Dr. Branislav Vuksanovic**

School of Engineering, University of Portsmouth, Portsmouth, UK

I am very excited to serve as the first Editor-in-Chief of the International Journal of Image and Graphics (JOIG) and hope that the publication can enrich the readers' experience. [\[Read More\]](#)



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### List of Journal Publications

S. No.	Paper Title	Journal Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	Volume	Issue	Impact Factor	Paper Indexed	Paper (pdf)	Action
1	Gray Level Co-occurrence Matrix with Binary Robust Invariant Scalable Keypoints for Detecting Copy Move Forgeries	Journal of Image and Graphics	Sanjogdeep Singh	International	2023	82-90	11	1	0.23	SCO	Download	Delete

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#### List of Books Published

S. No.	Book Title	Publisher Name	Co-Author(s)	Year of Publication	ISBN	Action
No Record Found						

#### List of Conference Publications

S. No.	Paper Title	Conference Name	Co-Author(s)	National/ International	Year of Publication	Page No(s)	From	To	Venue	Paper (pdf)	Action
1	Chaotic Bee Colony Optimization for Enhancing Life Span of Wireless Sensor Networks	International Conference on Computational Modeling, Simulation and Optimization, ICCMSO 2022, 2022.	Priyanka	International	2022	158-165	23-12-	25-12-2022	AITCC, BANGKOK, THAILAND	Download	Delete

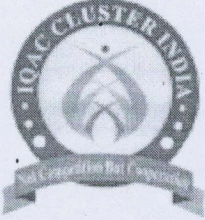


Ref. No. : AGC/DORD/2024/07

Date: 9/2/2024

Name of Faculty	Dr. Gauran Tejpal
Department	Principal office
Designation	Principal (Professor)
Type of Event (Please tick on appropriate)	Conference [ ] Seminar [ ] Workshop [ ] FDP / STTP [✓] Others [ ]
Name of the Event	STC on NAAC Documentation - A Key Insight
Level of the Event (Please tick on appropriate)	National [✓] International [ ]
Organized by	Team IQAC Cluster, India.
Date(s) of the Event	6 <sup>th</sup> , 13 <sup>th</sup> , 20 <sup>th</sup> , 27 <sup>th</sup> Feb, 2024
Fee of the Event (in. Rs.)	Rs. 1500/-
Proof Enclosed	1. Participation Certificate [ ] 2. Brochure of the Event [✓] 3. Fees Receipt [✓] 4. Any Other (Please Specify) a) _____ b) _____
Signature of the Applicant	
Recommendation by Head of the Department	
Recommendation by Dean (R & D)	<i>Alhaem</i> 09/2/2024
Approval by Head of the Institute	<i>[Signature]</i>
Accounts Use	<i>[Signature]</i>

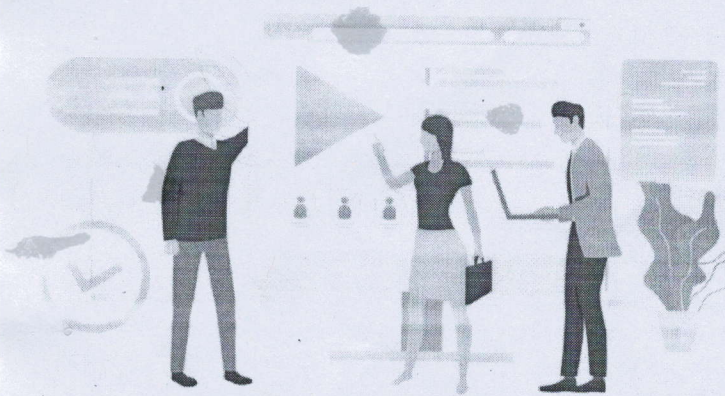




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IQAC Cluster India Presents

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13 Feb 2024 Time 6.00 PM.-7.30 PM  
20 Feb 2024 Time 6.00 PM.-7.30 PM  
27 Feb 2024 Time 6.00 PM.-7.30 PM

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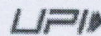
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Ref. No. : AGC/DORD/08

Date: 9/2/2024

Name of Faculty	Amandup Singh
Department	Principal Office
Designation	Assistant Registrar.
Type of Event (Please tick on appropriate)	Conference [ ] Seminar [ ] Workshop [ ] FDP / STTP [✓] Others [ ]
Name of the Event	STE on NAAC Documentation - A Key Insight
Level of the Event (Please tick on appropriate)	National [✓] International [ ]
Organized by	Team IQAC Cluster India.
Date(s) of the Event	6 <sup>th</sup> , 13 <sup>th</sup> , 20 <sup>th</sup> , 27 <sup>th</sup> Feb, 2024
Fee of the Event (in. Rs.)	Rs. 1500/-
Proof Enclosed	1. Participation Certificate [ ] 2. Brochure of the Event [✓] 3. Fees Receipt [✓] 4. Any Other (Please Specify) a) _____ b) _____
Signature of the Applicant	Amandup Singh
Recommendation by Head of the Department	
Recommendation by Dean (R & D)	Attham 09/02/2024
Approval by Head of the Institute	J. Singh
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# NAAC Registration Process

IQAC Cluster India Presents

## Short Term Course On NAAC Documentation - A Key Insights (Last Minute Tips For Filing)

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1. Registration Fee **Rs.1500/-**

2. For Group Registration **05-09 Participants 10%**

3. Discount 10 And Above Participants **20% Discount**

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13 Feb 2024 Time 6.00 PM.-7.30 PM

20 Feb 2024 Time 6.00 PM.-7.30 PM

27 Feb 2024 Time 6.00 PM.-7.30 PM

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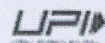
From: AMANDEEP SINGH (HDFC Bank)

amandeepsajjan.me@okhdfcbank

Google transaction ID

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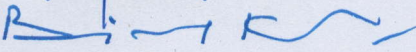
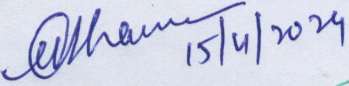
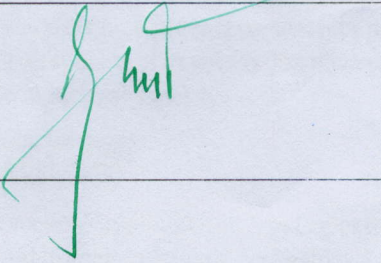
Amount Paid

₹ 1,500.00



Ref. No. AGC/DORD/2024/145

Date: 1-4-2024

Name of Faculty	Rajbir Kaur
Department	Applied Sciences
Designation	Assistant Prof.
Type of Event (Please tick on appropriate)	Conference   <input checked="" type="checkbox"/>   Seminar     Workshop     FDP / STTP     Others
Name of the Event	National Conference on Science, Technology, Eng & Management
Level of the Event (Please tick on appropriate)	National   <input checked="" type="checkbox"/>   International
Organized by	Dept. of Mechanical and Civil Engineering.
Date(s) of the Event	22, 23 March, 2024
Fee of the Event (in. Rs.)	1000/-
Proof Enclosed	1. Participation Certificate   <input checked="" type="checkbox"/>   2. Brochure of the Event   <input checked="" type="checkbox"/>   3. Fees Receipt   <input checked="" type="checkbox"/>   4. Any Other (Please Specify) a) <u>Online Transaction Proof</u> ✓ b) _____
Signature of the Applicant	Rajbir Kaur
Recommendation by Head of the Department	
Recommendation by Dean (R & D)	 15/4/2024
Approval by Head of the Institute	
Accounts Use	



National Conference on Science Technology Engineering & Management  
(STEM-2024)

March 22 - 23, 2024

Certificate of Participation / Presentation

Ref. No. AGC/DORD/2024/86

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

from

Amritsar Group of Colleges

has Participated/Presented

the paper titled Resource Management: Advances in Waste

Management

in the "National Conference on Science Technology Engineering and Management (STEM 2024)" held at

Amritsar Group of Colleges, Amritsar during March 22-23, 2024

Dr. Gurbhej Singh

Conference Secretary

Dr. Narinder Sharma

Dean (Research & Development)

Dr. Upamv Shrivastava

Dean Academic Affairs

Dr. Gaurav Tejpal

Principal





# AMRITSAR GROUP OF COLLEGES

**NAAC**  
GRADE **A**  
Accredited in 3<sup>rd</sup> Cycle  
under Autonomous Category

**AUTONOMOUS STATUS**  
(Since 2014)  
Conferred by UGC

**NBA**  
ACCREDITED  
[ CSE | CE | ECE | ME ]  
Twice - (2009-12 | 2016-18)



## **STEM** 2024 National Conference on

### Science Technology Engineering & Management

## (STEM-2024)

22 - 23 March, 2024

Organized by

Department of Mechanical & Civil Engineering

Amritsar Group of Colleges, Amritsar

#### ABOUT THE COLLEGE

Amritsar Group of Colleges (AGC), formerly known as Amritsar College of Engineering & Technology/ Amritsar Pharmacy College was established by Amritsar International Education Trust in 2002. This premier institute has been duly approved by AICTE/PCI. AGC with its magnificent environment and superior learning system is ranked among the best colleges in North India. AGC is affiliated with I.K.G Punjab Technical University, Kapurthala, and accredited by the National Board of Accreditation (2009-12 & 2016-18) and the National Assessment & Accreditation Council (NAAC) with Grade 'A'. AGC became the first private Autonomous Engineering College in Punjab on 19th June 2014. Its tremendous growth in a short period explicates its success in the education sector. The institute endeavors to educate the students to become not only competent professionals but also excellent human beings who contribute towards the welfare of the society and raise the quality of life of its people. The Institute has been established with a noble aim and vision to produce professionals of the highest caliber and values for industry and society.

#### ABOUT THE CONFERENCE

Amritsar Group of Colleges (AGC Amritsar), proudly announcing National Conference on "Science Technology Engineering and Management" (STEM-2024) on March 22-23, 2024. The aim of the conference is related to the sustainable goals in Science, Technology, Engineering, and Management (STEM). These goals and targets include the 2030 Agenda for Sustainable Development Goals (SDGs), The focus is to target papers related to innovation in industries with science and technology (SDG 9). The sustainable manufacturing processes, re-manufacturing, induction of IoT, Artificial Intelligence and Machine Learning in Industry. This encompasses enhancing regional and international cooperation on science, technology, and



## ctives

Implementation of Sustainable processes in Industry and infrastructures.

- Role of Experts systems via. Machine learning, Artificial Intelligence in industry.
- Recent technological trends in Computer Science and Electronics Engineering in-line with various engineering applications.
- Role of SDGs in Industry for economic growth.

## CALL FOR PAPERS

We invite high quality submissions describing original and unpublished results of theoretical, empirical, conceptual, and experimental work in the following themes (but not limited to)

## THEMES / SUBTHEMES

### Sustainable and Advanced Remanufacturing Processes

- Joining Processes: Casting, welding, Brazing, Soldering etc.
- Assessing affordability-based design methodologies that consider environmental factors for advanced manufacturing;
- Implementing design for remanufacturing, recycling and recovery.
- Methods for assessing sustainability in manufacturing (e.g. life cycle assessment, material flow analysis, carbon footprint of manufacturing processes) and their impact on plant performance.
- Materials/energy/resource utilisation factors, waste minimisation/management
- Use of new sustainable materials in processes (e.g. bio-lubricants) and their impact on environment and plant performance.
- Case studies and comparison of manufacturing processes based on their sustainability.
- Implementing real-time energy efficiency assessment of components and systems;
- Optimizing the design and advanced manufacturing processes for optimizing energy and material's efficiency;
- Optimizing process technologies for transforming scrap into reusable raw materials;
- Optimizing process planning and process scheduling for advanced manufacturing, especially in the context of low fossil-carbon and sustainability dimensions;
- Optimizing manufacturing systems under multiple sustainability criteria, such as economic feasibility, fossil-carbon emissions, and energy consumption;
- Monitoring and reducing the fossil-carbon energy footprints in advanced manufacturing process planning and production scheduling.

### Sustainable Products and Development

- The influence of sustainable product innovation
- Sustainable innovation practices in new product development and role in supply chains.
- Sustainability performance evaluation for NPD and supply chains.
- Sustainable product/service design framework, technologies, and case studies.
- Data-driven new sustainable product development.
- Failure mode and effect analysis in sustainable product development.
- Decision making in managing innovation and sustainability in new product development.
- Human-centric product/service design technologies, and case studies.

### Sustainable Cities and Society

- Resilient environments and smart cities.
- Green and energy-efficient structures and communities.
- Mitigation and adaptation to climate change in urban settings.
- Green building practises and BMPs.
- Management and accounting of environmental footprints.
- Urban forestry and agriculture
- Intelligent infrastructure, the smart grid, and ICT.
- Urban planning and design, rules, laws, accreditation, economics, and policy.
- The resilience and social effects of cities.
- Behaviour analysis, change, and observation in urban areas.
- Monitoring and enhancing one's health.
- Converging concerns for sustainable cities and society.
- Trade-off and uncertainty analysis decision support systems for better management of cities and society.
- Case studies and applications of big data, machine learning, and artificial intelligence.
- Urban water management and water distribution, harvesting, purification, and reuse.
- Recycling and waste reduction.
- Collection, treatment, and recycling of wastewater.
- Transportation infrastructure and systems that are intelligent, clean, and healthy.

### Modeling, Analysis and Optimization of Manufacturing Processes

- Computing in Applied Mechanics
- CAD/CAM/CIM/HVAC/CAE and Product Design
- Dynamics and Control of Structures/Systems
- Fracture and Failure Mechanics
- Advanced Numerical Techniques
- Advancements in Tribology
- Nanomechanics and MEMS
- Modeling, Analysis and Simulation of Manufacturing Processes
- Multi-objective optimization



## Sustainable Cities and Society

- Smart grid technology
- Advanced manufacturing processes for electrical components
- Innovation in power distribution and transmission
- Infrastructure for sustainable energy production
- Smart city solutions involving electric grids and infrastructure
- Development of sustainable electrical systems for buildings and communities
- Integration of electric transport into urban environments
- Resilient and sustainable energy supply for urban areas

## Sustainable, Affordable, and Clean Energy

- Biofuels and bioenergy
- Coal energy
- Carbon capture, storage, and utilization
- Decarbonization of energy systems
- Energy from waste
- Flexible generation and storage of Energy
- Energy efficiency
- Environmental impacts of smart technologies
- Environmental impacts of energy sources
- Non-Conventional Energy
- Energy transition
- Gas energy
- Geothermal energy
- Greenhouse gas removal
- Nuclear energy
- Oil shale energy
- Petroleum and processing industry
- Smart technologies in energy applications
- Solar energy
- Wind energy

## Good Health, Well-Being, and Sustainability

- Digital Health
- Personalized Medicine
- Prevention and Early Intervention
- Environmental Health
- Global Health Security
- Mental Health
- Health Equity
- Development of Quality Pharmaceuticals
- Formulation and development
- Drug design and discovery
- Pharmacology and toxicology
- Quality control and assurance
- Complementary and alternative medicines
- Sustainable healthcare practices
- Personalized medicine
- Health and nutritions

## PUBLICATIONS

After peer reviewing selected papers will be published in conference book proceeding (with ISBN No.) and high quality research papers will be sent for publication to our publication partners in reputed international journals (indexed in SCOPUS, Google Scholar)

## SUBMISSION GUIDELINES

- The Cover Page Should Contain the Title, Author Name, Affiliation Address and Email Id.
- The length of the paper should not exceed 5000 words excluding Title page and References. It must be accompanied by an abstract/ summary (not exceeding 300 words) followed by 4-5 keywords.
- Paper Should be single column docs file (docs format).
- It should be typed in Roman New Style, as per following format;

**Paper Title:** 14 points, capitals, bold, centred

**Author Names(s):** 12 points, title case, centred (Corresponding author shall be indicated by superscript\* after the name)

**Affiliation:** 10 points, centre

**Abstract:** 12 points, *italics*, justified.

**Text:** **Heading** 12 points, Title case, Bold, left aligned

**Body Text** 12 points justified

**Figure and tables:** Centred

**Figure Caption & Table Tittles:** 12 points, bold, centred.

**References:** As per APA Style (Singh, G., Vasudev, H., Bansal, A., & Vardhan, S. (2020). Microwave cladding of Inconel-625 on mild steel substrate for corrosion protection. *Materials Research Express*, 7(2), 026512.).

## IMPORTANT DATES

Registration and Full Paper Submission Deadline	February 17, 2024
Acceptance Notification	February 24, 2024
Deadline for Submission of Camera - Ready Paper	March 2, 2024
	March 22, 23, 2024



## REGISTRATION FEE

Sr.No	Registration Fee	Fee (in Rs/-)
1.	Students / Research Scholar	1000/-
2.	Academicians / Industry	1500/-
3.	Attendees	500/-

**Website / Registration Link : <https://agcamritsar.in/stem-2024/>**

### CONFERENCE COMMITTEES CHIEF PATRON (S)

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(Chairman & CEO) Amritsar Group of Colleges, Amritsar  
Mrs. Ragini Sharma  
(Director Finance), Amritsar Group of Colleges, Amritsar

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Dr. Narinder Sharma, Dean R&D, AGC Amritsar  
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Dr. Navdeep Singh, Associate Profesor Dept. of App.Science, AGC Amritsar  
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Dr. Upain Kumar Bhatia, Dean Academic Affairs, AGC Amritsar

### PATRON (S)

Dr. Rajneesh Arora (Managing Director)  
Amritsar Group of Colleges, Amritsar  
Former Vice Chancellor,  
I.K. Gujral Punjab Technical University, Kapurthala  
Dr. Gaurav Tejpal (Principal)  
Amritsar Group of Colleges, Amritsar

### CONFERENCE CHAIR (S)

Dr. Upain Kumar Bhatia, Dean Academic Affairs,  
AGC Amritsar

Dr. Narinder Sharma, Dean R&D, AGC Amritsar

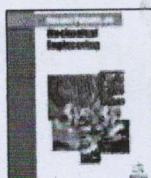
### CONFERENCE SECRETARY/CONVENER

Dr. Gurbhej Singh, AP, AGC, Amritsar

## Publication Partners



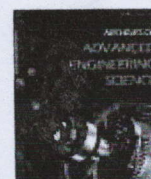
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on Interactive Design  
and Manufacturing  
(IJDleM)  
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23 Feb 2024 , 09:32 AM

*Navdeep Singh*







 <p><b>AMRITSAR</b> GROUP OF COLLEGES</p> <p>NAAC Grade "A" 3<sup>rd</sup> Cycle under Autonomous Category</p> <p>Autonomous College (Since 2014) Conferred by UGC</p>	<p>RDC Committee Recommendations for Cash Incentive</p>	<p>Dean (R &amp; D) Office</p>
	<p>AGC/DORD/2023/33 Dated: 4/8/ 2023</p>	

The Principal,  
Amritsar Group of Colleges, Amritsar

Subject: Recommendation by R & D Committee for providing the cash Incentives for granting the Patent

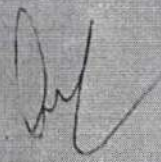
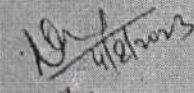
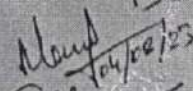
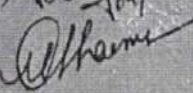
Respected Sir,

This is with reference to request made by Dr. Paramjit Singh, Registrar in regard to cash incentives for granting the patent from UK Design:

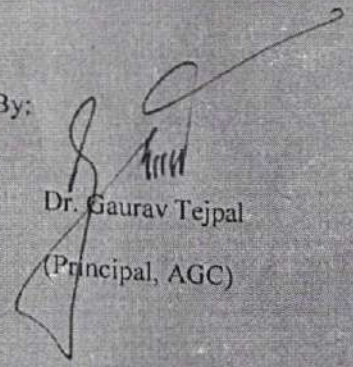
Title of Invention	Patent No. / Granted by	Date of Grant	Class/Subclass	Uploaded on ERP Portal	Affiliation
Regenerator Brick Design in Coke Making Plant	6296669 / UK Government	23 <sup>rd</sup> July, 2023	Class: Building Units and Construction Elements  Subclass: Building Materials (Materials Science)	Yes	Affiliation with AGC Mentioned

Keeping afore-mentioned under consideration, the Committee members recommend the cash incentives of Rs. 35160/- (Rs. 15160 Registration Fees and Rs. 20000/- incentives) for granting the patent as per policy of the institute.

RDC Members:

1. Dr. Gurbhej Singh, Assistant Prof., ME Department 
2. Dr. Namrata Kad, Head & Prof., EE Department 
3. Dr. Navdeep Singh, Dy. Dean (R & D) 
4. Dr. Narinder Sharma, Dean (R & D) 

Approved By:

  
Dr. Gaurav Tejpal  
(Principal, AGC)

HDFC 29  
00 5398  
14/8/23



Design number

6296669

Status  
Registered

Registration date  
15 July 2023

Renewal date  
15 July 2028

Overview Illustrations Names and addresses History

Application date  
15 July 2023

Grant date  
23 July 2023

Publication date  
24 July 2023

Indication of Product

Regenerator Brick Design in Coke Making Plant



p2.png

p1.jpg

Sample.pdf

Show all

Overview Illustrations Names and addresses History

Contact (address for service)

Vats IPR Services  
13-15 TRAFALGAR ROAD, BLACKPOOL, FY1 6AW

Owners

Name	Address
Niranjan Mahato	PHD Research Scholar, Department of Mechanical Engineering, Government Engineering College Jagdalpur, Chattisgarh, 494001
Dr. Paramjit Singh	Professor, Department of Mechanical Engineering, Amritsar Group of Colleges, 12 km Stone, Amritsar Jalandhar G.T. Road, Amritsar, .
Rachit Shrivastava	Department of ECE, Shrivastava Bhavan, Krishna Nagar, Satna M.P., 485001

*Handwritten signatures and dates:*  
Vats IPR Services  
04/08/2023  
Rachit Shrivastava  
04/08/23



3<sup>rd</sup> August, 2023

The Principal,  
Amritsar Group of Colleges,  
Amritsar.

(Through R&D Committee of the College & as per rules)

Subject: Request to provide the cash incentive & registration fee for granting the Patent (IPR)

Sir,

This is with reference to the meeting of R&D Committee held on 16<sup>th</sup> July, 2021 in regard to the cash incentives and registration fee to faculty member(s) for granting the patent. I wish to submit the granting certificate & other details for the patent (IPR) recently granted to me as under:

Title of Invention: Regenerator Brick Design in Coke Making Plant

Patent Number: 6296669

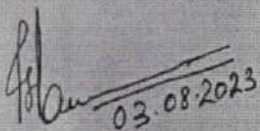
Class: Building Units and Construction Elements

Subclass: Building Materials (Materials Science)

Grant date: July 23, 2023

I shall be highly thankful for your kind consideration and approval for cash incentive and reimbursement of registration fee to me for this patent (IPR).

Regards,



Dr. Paramjit Singh  
Registrar



# Certificate of Registration for a UK Design

Design number: 6296669

Grant date: 23 July 2023

Registration date: 15 July 2023

**This is to certify that,**

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Niranjan Mahato, Dr. Paramjit Singh, Rachit Shrivastava

in respect of the application of such design to:

Regenerator Brick Design in Coke Making Plant

International Design Classification:

Version: 14-2023

Class: 25 BUILDING UNITS AND CONSTRUCTION ELEMENTS

Subclass: 01 BUILDING MATERIALS

*Adam Williams*

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



(Self Attested.)

*[Signature]*  
Dr. P.S. Paner  
(Registrar)



## Priority claims

None

## Owner details

**Niranjan Mahato**

PHD Research Scholar, Department of Mechanical Engineering, Government Engineering College Jagdalpur, Chattisgarh, 494001, India

**Dr. Paramjit Singh**

Professor, Department of Mechanical Engineering, Amritsar Group of Colleges, 12 km Stone, Amritsar Jalandhar G.T. Road, Amritsar, Punjab, India

**Rachit Shrivastava**

Department of ECE, Shrivastava Bhavan, Krishna Nagar, Satna M.P., 485001, India

## Contact details

**Niranjan Mahato**

PHD Research Scholar, Department of Mechanical Engineering, Government Engineering College Jagdalpur, Chattisgarh, 494001, India

Please note this is an uncertified copy of your registration document which you can use for research or personal use.

(P.T.O.)

(Self Attested)

*[Signature]*  
03.08.2023  
(Dr. P.S. Panu)

## Certificate/Declaration

I certify that total registration fee paid is Rs 45500/- . As a rule, I paid one third of total amount i.e. \*Rs 15160/- only. So, as per college rules, I requested to reimburse amount Rs 15160/- to me.

Thank You.

*[Signature]*  
3.8.2023  
(Dr. P.S. Panu)

\* *[Signature]* 04/08/2023





Intellectual  
Property  
Office

Registered design  
[UNCERTIFIED COPY]

## Design details

Design application number  
6296669

Filing date (provisional)  
15 July 2023

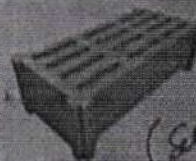
Defer registration  
No

Design  
Regenerator Brick Design in Coke Making Plant

Additional description  
None

Illustration disclaimer  
No claim is made for the colour shown

## Illustrations



(Self attested)

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03.08.2023  
(Dr. P.S. Linnu)

Repeated surface pattern



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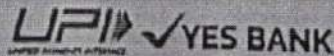


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(Dr. P.S. Kumar)



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*(3.8.2023)*

*(Dr. P.S. Lamu)*







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*Ankit Sharma*

*Alcayee*

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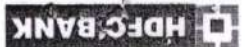
Or Bearer

Valid for 3 months only

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RTGS / NEFT IFSC : HDFC0000856  
100 FT ROAD, AMRITSAR-143006.PUNJAB



*Preferred*



 <b>AMRITSAR</b> GROUP OF COLLEGES <small>NAAC Grade 'A' 3<sup>rd</sup> Cycle   Autonomous College          Since 1974   Affiliated to GGS Indraprastha College</small>	<b>Reimbursement of Registration Fees</b>	<b>Dean(R &amp; D) Office</b>
	<b>Ref.: AGC/DORD/23/42</b> <b>Dated: 18<sup>th</sup> August, 2023</b>	

The Principal,  
Amritsar Group of Colleges, Amritsar

**Subject: Recommendation for providing the Registration Fee for presenting the paper in the National Seminar**


Respected Sir,

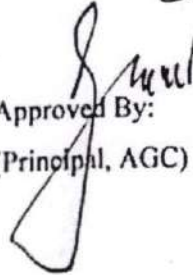
This is with reference to request made by Dr. Hardeep Singh, Professor, Management Studies and recommended by Head (MBA) in regard to provide the Registration Fees for presenting the paper in the National Seminar at PG Department of Political Science, Doaba College, Jalandhar. The detail of the presented paper is as:

Title of the paper	Name of the Seminar	Date of Seminar	Registration Fees	Place of Seminar
Examining the Farmers' Movement in Punjab: An Extensive Review	ICSSR Sponsored National one day Seminar on "PUNJAB ASSEMBLY ELECTIONS 2022: Reflections on Leadership, Caste, Identity and Issues of Governance"	29 <sup>th</sup> July, 2023	Rs. 500/- (Transaction ID: e8818b0bb7a751e62137, dated 27/7/2023)	PG Department of Political Science, Doaba College, Jalandhar

All the enclosed documents as per afore-mentioned detail have been verified, and the request of the claimant is recommended for the reimbursement.

You are requested to direct the Account office to reimburse the Registration Fees to the Claimant.

  
 Dr. Narinder Sharma  
 (Dean, R & D)

  
 Approved By:  
 (Principal, AGC)

HDFC-2275  
 000924  
 23/8/23



Dated: 15<sup>th</sup> August, 2023

The Head of Department (HOD),  
Department of Management Studies,  
Amritsar Group of Colleges (AGC), Amritsar.

**Subject:-** Reimbursement of Registration Fee Rs. 500/- (Five Hundred Only).

Respected Mam,

One day National Seminar on "Punjab Elections 2022: Reflections on Leadership, Caste, Identity and Issues of Governance" sponsored by ICSSR North-Western Region, Chandigarh was organized by PG Department of Political Science, Doaba College, Jalandhar on July 29, 2023. This is for your kind information please that I had participated and presented a paper titled: "Examining The Farmers' Movement in Punjab: An Extensive Review". Kindly do the needful to get my registration fee of Rs. 500/- (Five Hundred Only) reimbursed. Detailed brochure of the seminar and the copy of certificate are attached herewith for your kind reference.

Thanks and Regards



**Dr. Hardeep Singh**

Designation: Professor

Department: Management Studies

**Attachments:** 1. Detailed Brochure of National Seminar

2. Certificate Copy

3. fee receipt copy (Rs 500/-)

Recommended & forwarded  
to Dean (R&D)

1  
100g's  
17/8/2023.





# Doaba College, Jalandhar

• Star Status College by DBT, Gov. of India  
• Re-Accredited with "A" Grade by NAAC (Cycle-II)  
• College with Potential for Excellence, Accorded by UGC



## PG DEPARTMENT OF POLITICAL SCIENCE

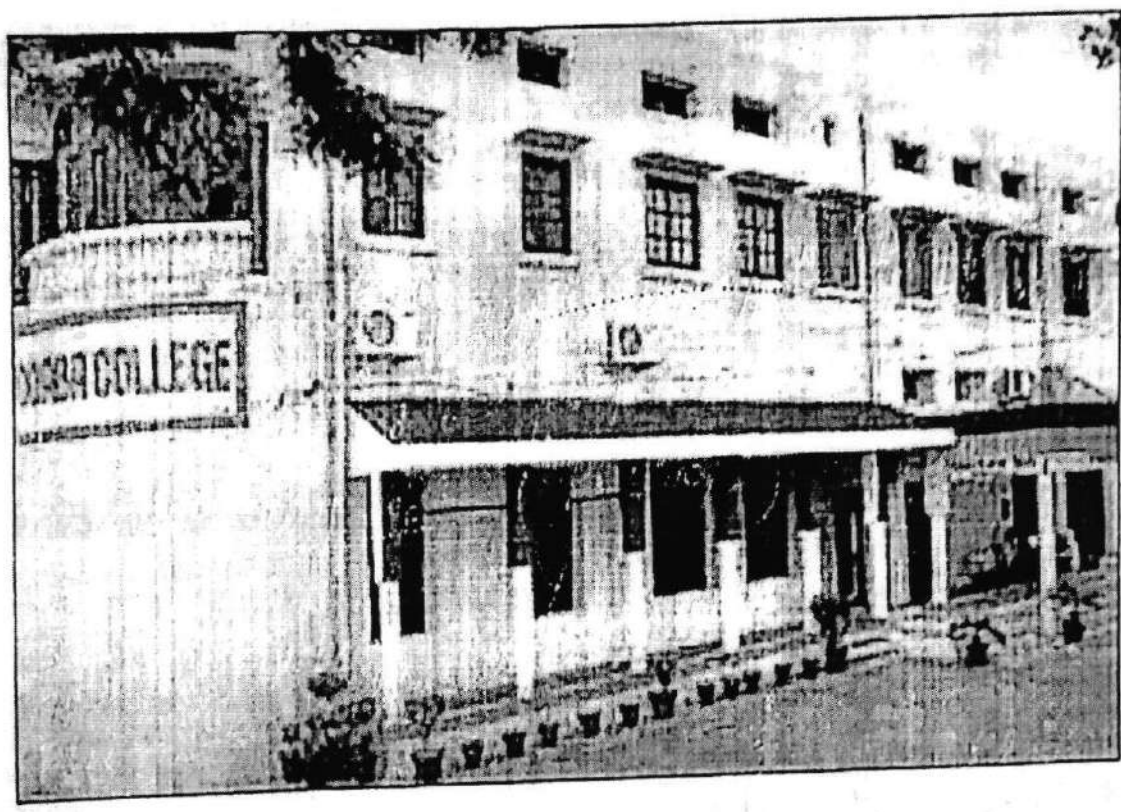
*Organises* .....

One-Day Seminar

on

**PUNJAB ELECTIONS 2022: REFLECTIONS ON LEADERSHIP,  
CASTE, IDENTITY AND ISSUES OF GOVERNANCE**

**July 29, 2023**



*Sponsored by:* .....

**ICSSR NORTH-WESTERN REGION, CHANDIGARH**



## ABOUT THE DOABA COLLEGE

Doaba College Jalandhar (Punjab) is a Multi-faculty Postgraduate Co-educational Pioneer Institution of North India. The visionary founding fathers viz Sh. Bindraban Sondhi, Rai Bahadur Badri Dass, Sh. Jagan Nath Mittal and Acharya Lajja Vati were the icons of Arya Samaj and spartan freedom fighters who laid the foundation of Doaba College in 1941, to promote the philosophy of Maharishi Swami Dayanand. It was conceived as a part of the national movement for freedom with education through traditional courses as a potent means to arouse public opinion to fight against imperialism and safeguard rich cultural heritage of the country. Now keeping pace with changing times there is emphasis on professional courses under stewardship of Sh. Chander Mohan, renowned journalist and President of Arya Shiksha Mandal. Doaba College, Jalandhar has been pioneering the noble task of imparting qualitative, traditional and professional education since its inception in 1941. We are proud to be part of rich legacy of this 82 year old institution that has achieved rare milestones in its eventful history. The institution always strives to impart qualitative and holistic learning to the students. In its endeavour to nurture the students, the college has all traditional humanities courses as well as profession oriented courses. Every year students from Himachal Pradesh, Jammu & Kashmir, Haryana, Uttarakhand, Uttar Pradesh and Punjab join this reputed institution in various traditional and professional undergraduate and postgraduate courses. The college has vast sprawling lush green campus spreading over 21 acres, 65 airy and spacious class-rooms, both traditional and ICT enabled that sufficiently accommodate the available number of the students.

## ABOUT THE SEMINAR

Punjab Assembly Elections 2022 were a four-cornered contest. The Aam Aadmi Party (AAP), the Congress, the Shiromani Akali Dal (SAD)Badal and the Bharatiya Janata Party (BJP) in alliance with Captain Amarinder Singh's Punjab Lok Congress (PLC) were the major contenders. The talk of political change in Punjab was in air and eventually emerged the key factor for majority of the people, as despite having tried both the Congress and the Akalis, their problems remained unaddressed for years. Therefore, what APP asked for was given overwhelmingly. AAP scripted history by winning 92 of the 117 assembly seats with a vote share of 42 percent. The incumbent Congress suffered a severe drubbing securing a vote share of nearly 23 percent while the SAD (Badal) and its erstwhile partner BJP could get vote shares of nearly 18 percent and 7 percent respectively. The incumbent Chief Minister Charanjit Singh Channi could not save either of his contested seats and over half of his stalwart ministers also lost the electoral battle.

The victory of AAP should not be seen as a chance phenomenon or accidental win. The Congress and the SAD (B)-BJP combine winning elections alternatively, but not delivering on the vital issues led people to desert these two parties. The mismanagement and poor governance along with failure on religious front, rampant flow of drugs, rise in crime and gang wars alongwith unbridled rise in sand and gravel prices left the people disenchanted with the



traditional political parties. This election to Punjab legislative assembly was unprecedented in a number of ways. Two main political contenders i.e. the Congress and the AAP declared their CM faces before the elections while the SAD and the BJP remained silent on this issue. The Dalit politics has been an integral part of the Punjab politics but in this election it gained momentum and currency. The Dalit card was used by political parties in this election like never before as Punjab has the highest percentage of Dalit population at nearly 32 percent as per Census 2011 (recent estimates putting at around 35 percent).

There was intense competition among parties in terms of announcements of political sops offered to the Punjab electorates. The freebies included free power units, cash for women, free cylinders, increased social security pensions, hiked amount for Shagun scheme, among others. Both the SAD-BJP combine and the Congress failed to curb drug menace and deliver justice in sacrilege cases and Kotkapura-Behbal Kalan incidents. The gangster groups raised their heads that led to daylight killings and other crimes. The corruption remained on high tide impacting routine governance and impacting common masses particularly poor ones. The health services were in dismal state as exposed during Covid-19 time. This time these issues worked heavily on the minds of electorates.

The Punjab assembly elections which unfolded many new things need scrutiny to know where politics of the state is heading to. In this backdrop, the proposed seminar plans to hold discussions on the issues of political leadership, caste, identity and issues of governance. The seminar will deliberate the party system in Punjab and new trends and political defections and splits that have emerged in the form of birth of new political parties and coalitions. The seminar would probe the question of Dalit politics in the state and compulsion of parties to announce CM or Deputy CM posts for the Dalit community. It will also try to analyse the issues of governance which got highlighted during the elections and issues that were avoided by political parties in their election manifestos and poll campaigns along with reasons for doing so. The seminar will endeavour to compare the vision of political parties offered through their poll manifestos and election campaign. The seminar will discuss rationale behind announcing freebies as also the fiscal sustainability of the state. The seminar will analyse the gap between popular demands and political announcements to see that manifestos and announcements of leaders are in conformity with the popular requirements.

Following are the tentative sub-themes to be taken in up in the deliberations of the seminar:

1. Party system in Punjab and their changing support base;
2. Comparative account of leadership of the parties.
3. The identity issue through the elections and beyond.
4. New trends and issues of Dalit identity politics in the state.
5. Electoral politics in 2022 election and the prudence of freebies
6. Vision of political parties through election manifestos and beyond.
7. The public opinion and popular demands.
8. Issues that got attention and ones ignored/avoided by political parties.
9. Farmers movement and recent elections



The above list of sub-themes is only indicative one but not exhaustive. The paper on any theme related to the seminar will be considered.

### CALL FOR PAPERS

The papers are invited from the Academicians, Professionals, Researchers, Advocates, Research Scholars and the Students from law and social sciences background on the above mentioned theme/sub-themes of the seminar. Authors of selected abstracts shall be given an opportunity to present their paper during the National Seminar. Abstract and full research papers are to be submitted through Email ID-[politicalsciencedcj@gmail.com](mailto:politicalsciencedcj@gmail.com). Registration Form is to be submitted through GOOGLE FORM-

**Registration Link:** <https://event.doabacollege.net/registration.php>

**Important Dates:**

Seminar Date: July , 2023 (Saturday).....

Last Date For Sending Abstracts: July 26, 2023

Last Date For Sending Papers: July 28, 2023



**Registration Fee for Single Author:**

Faculty: INR 500

Research Scholars and Students: INR 200

500/—

**Bank Details for Registration Fee:**

Bank Holder Name	Principal Doaba College
Bank Name	Indian Overseas Bank
Branch Address	Doaba college, Tanda Road, Jalandhar
Account Number	125101000021007
IFSC Code	IOBA0001251
Type of Account	Saving



**Chief Patron**  
**Sh. Chander Mohan**

**Patron**  
**Dr. Pardeep Bhandari**  
**(Principal)**

**Seminar Convener**  
**Dr. Nirmal Singh**  
**Department of Political Science**

**Organising Secretary**  
**Dr. Simran Sidhu (Head, PG. Dept. of JMC)**  
**Dr. Vinay Girotra (Head, PG. Dept. of Political Science)**

**Organising Committee**  
**Dr. Arti Behl**  
**Dr. Naiya Mahajan**  
**Prof. Ranjit Singh**  
**Prof. Gursimran Singh**  
**Prof. Priya Chopra**  
**Prof. Vikas Jain**  
**Dr. Narinder Kumar**

**Date : July 29 , 2023 (Saturday)**

**For Any Query Please Contact:**  
**Dr. Vinay Girotra (Head)**  
**(90418-87477)**  
**Dr. Nirmal Singh (Seminar Convener)**  
**(98150-73460, 95010-30199)**





Certificate No.:

# DOABA COLLEGE, JALANDHAR


Re-accredited 'A' Grade by NAAC (Cycle-II), College with Potential for Excellence (CPE), Star College Status by DBT, Govt. of India

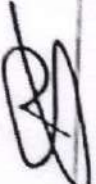
## P.G Department of Political Science Organises


ICSSR North Western Region Sponsored National Seminar  
Punjab Assembly Election 2022: Reflections on Leadership,  
Caste, Identity & Issues of Governance

This is to certify that Dr. / Mr. / Ms. HARDEEP.....SINGH.....  
has Participated/presented paper/ chaired technical session/ delivered keynote address/ delivered  
valedictory speech entitled...**"EXAMINING...THE FARMERS' MOVEMENT...IN...PUNJAB:....AN  
EXTENSIVE...LITERATURE...REVIEW"**..... in the National Seminar

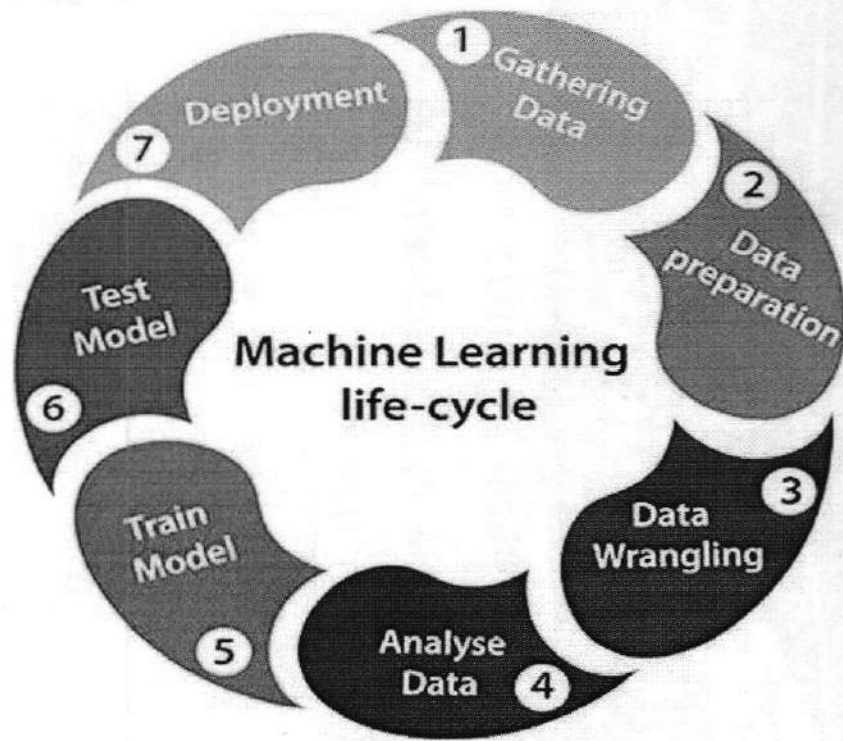
Organised by PG Department of Political Science, Doaba College, Jalandhar on 29th July, 2023.

  
Dr. Vinay Girotra  
H.O.D.

  
Dr. Nirmal Singh  
Convener Committee

  
Dr. Pardeep Bhandari  
Coordinator





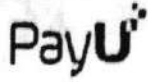


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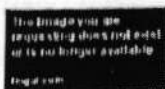


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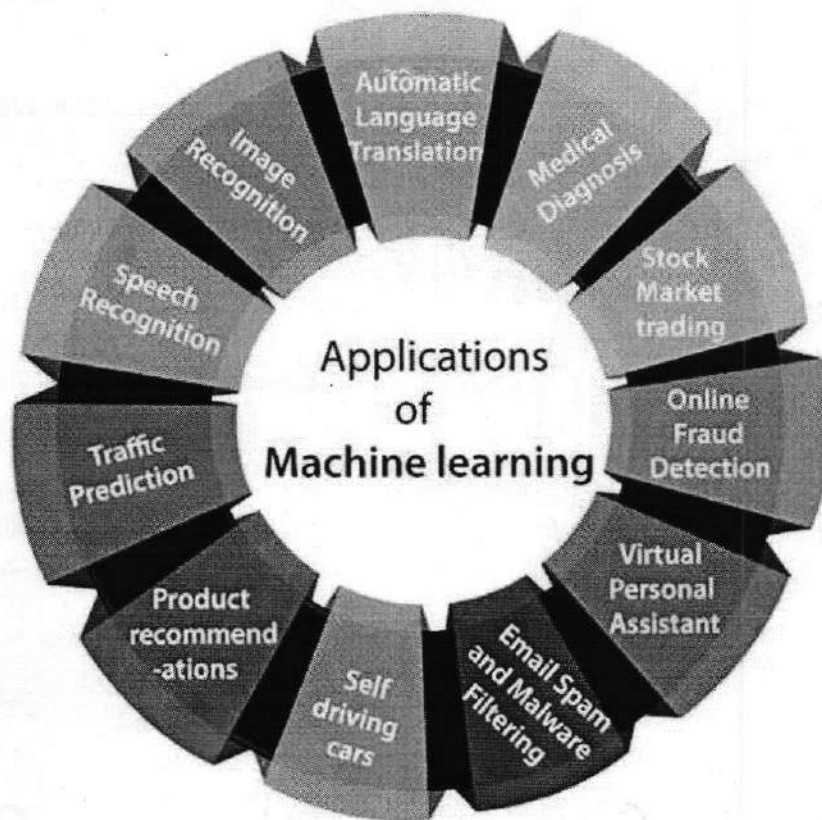
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between objects. Some recommendation systems that you find on the web in the form of marketing automation are based on this type of learning.

3. **Reinforcement learning:** When you present the algorithm with examples that lack labels, as in unsupervised learning. However, you can accompany an example with positive or negative feedback according to the solution the algorithm proposes comes under the category of Reinforcement learning, which is connected to applications for which the algorithm must make decisions (so the product is prescriptive, not just descriptive, as in unsupervised learning), and the decisions bear consequences. In the human world, it is just like learning by trial and error.







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*A/clayee*

*Anil Sharma*

Authorised Signatories

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 <b>AMRITSAR</b> GROUP OF COLLEGES <small>NAAC Grade 'A' 3<sup>rd</sup> Cycle   Autonomous College          since 2016 Certified in UGC</small>	<b>Reimbursement of Registration Fees</b>	<b>Dean(R &amp; D) Office</b>
	<b>Ref.: AGC/DORD/23/ 45</b> <b>Dated: 23<sup>rd</sup> August, 2023</b>	

The Principal,

Amritsar Group of Colleges, Amritsar

**Subject:** Recommendation for providing the Registration Fee for presenting the papers in the ICSSSR Sponsored National Seminar on "Atam Noirbhar Bharat and Sashakti Naari Perspectives of Women Empowerment"

Respected Sir,

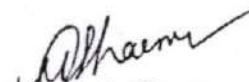
This is with reference to request made by Dr. Hardeep Singh, Professor, Management Studies and recommended by Head (MBA) in the ICSSSR Sponsored National Seminar on "Atam Noirbhar Bharat and Sashakti Naari Perspectives of Women Empowerment". Under the Theme "Azadi ka Amrit Mahotsav" organized by GHG Khalsa College, Gurusar Sadhar, Ludhiana on 18<sup>th</sup> July, 2023.

The detail of the presented papers is as:

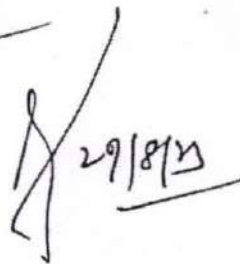
Title of the paper	Name of the Seminar	Date of Seminar	Registration Fees	Place of Seminar
Challenges for Women in the next Decade: A Literature Review	<i>ICSSSR Sponsored National Seminar on "Atam Noirbhar Bharat and Sashakti Naari Perspectives of Women Empowerment"</i>	18 <sup>th</sup> July, 2023	Rs. 700/- (Transaction ID: 319813684567, dated 17/7/2023)	GHG Khalsa College, Gurusar Sadhar, Ludhiana
The Role of Urban Women in Entrepreneurship : A Review				

All the enclosed documents as per afore-mentioned detail have been verified, and found that there are two authors who have published the papers and registration fees of Rs. 1400/- has been equally divided between them, and claimant is recommended for the reimbursement of Registration Fees of Rs. 700/-.

You are requested to direct the Account office to reimburse the Registration Fees of Rs. 700/- to the Claimant.

  
 Dr. Narinder Sharma  
 (Dean, R & D)

*Handwritten notes:*  
 HAPC-2275  
 000929  
 31/8/23

*Handwritten signature:* Approved  
  
 29/8/23

Approved By:  
 (Principal, AGC)



Dated: 15<sup>th</sup> August, 2023

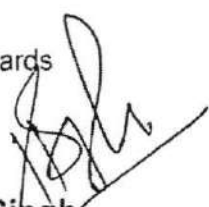
The Head of Department (HOD),  
Department of Management Studies,  
Amritsar Group of Colleges (AGC), Amritsar.

**Subject:-** Reimbursement of Registration Fee Rs. 800/- (Eight Hundred Only).

Respected Mam,

One day ICSSR Sponsored National Seminar on "Atam Noirbhar Bharat and Sashakti Naari Perspectives of Women Empowerment" under the theme "Azadi ka Amrit Mahotsav" was organized by GHG Khalsa College, Gurusar Sadhar, Ludhiana on July 18, 2023. This is for your kind information please that I had participated and presented two paper titled: (1). "*Challenges for Women in the next Decade: A Literature Review*" and (2). "The Role of Urban Women in Entrepreneurship: A Review". Kindly do the needful to get my registration fee of Rs. 800/- (Eight Hundred Only) reimbursed. Detailed brochure of the seminar, the copies of 2 certificates and two paper publications are attached herewith for your kind reference.

Thanks and Regards

  
**Dr. Hardeep Singh**  
Designation: Professor  
Department: Management Studies

Recommended & forwarded  
to Dean (R & D)

  
17/8/2023

**Attachments:**

1. Detailed Brochure of National Seminar
2. Two Certificate Copies
3. Two Paper Publications

4. fee receipt Copy (Rs 800/-)



# **GHG KHALSA COLLEGE**

**Gurusar Sadhar,  
Raikot Road, Ludhiana-141104**

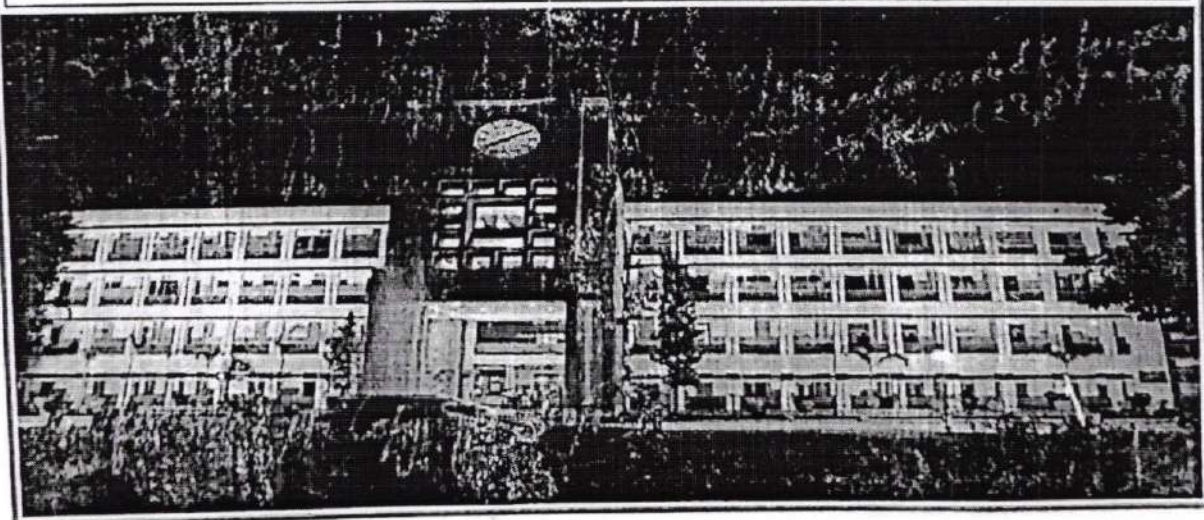


**ICSSR SPONSORED NATIONAL SEMINAR ON  
ATAM NIRBHAR BHARAT AND SASHAKT NAARI  
PERSPECTIVES OF WOMEN EMPOWERMENT**

Under the theme



**18 July 2023    Time: 9:00 am**





research contributions on the issue during the event. For presentation, only high-quality research papers will be accepted.

The current conference is an earnest attempt to bring academicians, business leaders, practitioners, professionals, and industrialists together on a common platform to share their perspectives, expectations, and concerns, as well as to analyze life experiences in various contexts of women empowerment for entrepreneurship. As an author, you are limited to two papers. There can be a common author but different co-authors for the two writers. There can be a maximum of four writers per manuscript.

REGISTRATION FEE: Rs 300 per delegate  
BOOK CHARGES: Rs. 500 per author; (Rs. 400 each if  $\geq 2$  copies)  
Registration charges include kit, lunch on the day of seminar, certificate etc.

#### PUBLICATION

The research paper will be published in the form of a **BOOK with ISBN** if it is selected by the screening panel. On the day of the conference, the contributors will be issued a certificate of publication and a hard copy of the pre-ordered book. Papers sent on or before the deadline, 10 July 2023 will be accepted.

#### WHO CAN PARTICIPATE

The conference is open to academicians from various universities and institutes, as well as industrialists, managers, consultants, professionals, and postgraduate students. Full-length papers having a word count of no more than 2500 words in Word/Times New Roman font size 12; Spacing of 1.5 inches; 1 inch margins on all sides; and A4 paper size must be delivered by email by the 10 July 2023. ([ghgkhsacollegegurusarsadhar@gmail.com](mailto:ghgkhsacollegegurusarsadhar@gmail.com)). The attached registration form, or copy thereof, duly filled in may be sent to the Conference Coordinator along with the necessary registration fee. Those who are interested in **free accommodation** in hostels for overnight stay before and/or after the seminar must contact well in advance. Food charges will be extra.

#### TO WHOM TO CONTACT

For all inquiries related to the said conference, you may kindly contact Dr. Harpreet Singh (+919872681111). However, for all queries, the delegates should prefer E-mail - [ghgkhsacollegegurusarsadhar@gmail.com](mailto:ghgkhsacollegegurusarsadhar@gmail.com).

In case of multi-author papers, all the delegates will have to get registered separately. Certificates will be awarded to registered participants only.

#### GUIDELINES

It is understood that manuscripts will only be approved for publication if they have not already been published or offered for publication elsewhere. The editor recommends authors to save copies of their submitted manuscripts and has the right to reject any material for presentation or publication.

#### SUB-THEMES

- Role of urban women in entrepreneurship
- Role of rural women in entrepreneurship
- Skill requirements of women in present context
- Scope of agriculture based entrepreneurship
- New education policy and women specific requirements
- Technology driven empowerment
- Challenges for women for in next decade
- Career options for women
- Policy initiatives for empowering women
- Economic contributions of women
- Challenges and hurdles in the journey of women empowerment and suggested measures to overcome these hurdles
- International Women's Day - its relevance in the Indian Perspective
- Indian Economy and Women Empowerment
- Promoting Robust and Sustained Inclusive Growth
- Dealing with Gender inequalities: Some Policy Options
- Enhancing and Enabling Environment for Business and Investment Climate for women entrepreneurs.
- Social and Political dimensions of the issue of Women Empowerment in India
- Women Empowerment - the key to achieve Social & Economic growth of the country
- Social legislation, Government policies and enactments to achieve women empowerment
- Role of Judiciary in Empowering Women in India
- Crimes against women- a blot on gender equality and women empowerment Papers are welcome on any of the above-mentioned themes and sub-themes. The sub-themes listed above are representative, but not exhaustive, of the field under investigation. Participants can write/present papers on any topic that falls within the broad theme of the conference.

**ALL AUTHORS/COAUTHORS MUST GET REGISTERED INDIVIDUALLY. THE PAPERS PRESENTED IN OFFLINE MODE WILL BE PREFERRED FOR PUBLICATION. THE DELEGATES WHO ARE FROM OUT OF PUNJAB, CAN PRESENT ONLINE ALSO. HOWEVER, ACCOMMODATION WILL BE PROVIDED TO OUTSTATION DELEGATES.**



Celebrating 76th Year

# G.H.G. KHALSA COLLEGE

GURUSAR SADHAR, LUDHIANA, PB. 141104  
(Affiliated to Panjab University, Chandigarh)



## ICSSR SPONSORED NATIONAL SEMINAR

on

ATAM NIRBHAR BHARAT AND SASHAKT NAARI  
- PERSPECTIVES OF WOMEN EMPOWERMENT

18 July 2023

It is hereby certified that Ms./Mr./Dr. HARDEEP SINGH from \_\_\_\_\_

AMRITSAR GROUP OF COLLEGES has attended/presented/published \_\_\_\_\_

paper titled CHALLENGES FOR WOMEN IN THE NEXT DECADE : A during the seminar.  
LITERATURE REVIEW

*Vishampreet Kaur*  
Organising Secretary

Ph. 01624-275227

ghgkcs@gmail.com

www.ghgcollegesadhar.org

*[Signature]*  
Principal



Azadi Ka  
Amrit Mahotsav





Celebrating 76th Year

# G.H.G. KHALSA COLLEGE

GURUSAR SADHAR, LUDHIANA, PB. 141104  
(Affiliated to Panjab University, Chandigarh)



ICSSR

ICSSR SPONSORED NATIONAL SEMINAR

on

ATAM NIRBHAR BHARAT AND SASHAKT NAARI  
- PERSPECTIVES OF WOMEN EMPOWERMENT

18 July 2023

It is hereby certified that Ms./Mr./Dr. HARDEEP SINGH from \_\_\_\_\_

AMRITSAR GROUP OF COLLEGES has attended/presented/published

paper titled THE ROLE OF URBAN WOMEN IN ENTREPRENEURSHIP : during the seminar.

A REVIEW



*Vishampreet Kaur*  
Organising Secretary

*[Signature]*  
Principal

Ph. 01624-275227

ghgkcgsg@gmail.com

www.ghgcollegesadhara.org



## CHALLENGES FOR WOMEN IN THE NEXT DECADE: A LITERATURE REVIEW

*Hardeep Singh* *Bikram Pal Singh*

*Anrimsar Group of Colleges, Anrimsar (Punjab) India*

*Global Group of Institutes, Anrimsar (Punjab) India*

### ABSTRACT

This paper examines the challenges that women are likely to face in the next decade. It provides an overview of existing research and scholarly work, highlighting key themes and areas of concern. The review focuses on various aspects of women's lives, including education, employment, leadership, health, and societal norms. The findings suggest that while progress has been made in many areas, there are still significant challenges that women will likely encounter in the coming years. The paper concludes with recommendations for addressing these challenges and promoting gender equality in the next decade.

**Keywords:** Challenges, Education, Employment, Health, Leadership, Societal Norms, Women.

### INTRODUCTION

As we step into the next decade, it is crucial to acknowledge the progress that has been made in women's rights and gender equality. Over the past century, women have fought tirelessly for their rights, challenging social norms and discriminatory practices. However, despite significant advancements, women continue to face numerous challenges in various aspects of their lives. The next decade presents both opportunities and obstacles for women as they strive for greater equality, empowerment, and inclusivity. In this context, it is essential to explore and understand the unique challenges that women may encounter in the coming years. By recognizing these challenges, society can work towards creating an environment that supports and uplifts women, ensuring that they have equal access to opportunities and the ability to reach their full potential. This paper aims to shed light on some of the significant challenges that women are likely to face in the next decade. These challenges span various areas, including the workplace, politics, education, healthcare, and cultural expectations. Understanding these obstacles is crucial for policymakers, advocates, and individuals alike, as it allows for the development of targeted strategies and initiatives to address these issues effectively. While the challenges discussed in this paper are not exhaustive, they provide a starting point for a broader conversation on the experiences of women in the coming years. It is essential to emphasize that the challenges faced by women are diverse and intersectional, varying based on factors such as race, ethnicity, socioeconomic status, and geographic location. Recognizing and addressing these intersectional challenges is crucial for achieving true gender equality. Ultimately, by acknowledging and actively working towards overcoming these challenges, we can create a future where women are valued, empowered, and able to thrive in all aspects of life. The next decade presents an opportunity for society to come together, challenge existing norms, and build a more inclusive and equitable world for women, thereby benefiting society as a whole.

### GENDER EQUALITY AND WOMEN'S RIGHTS

Gender equality and women's rights have been important issues for many years, and they will continue to be significant in the next decade. While it's difficult to predict the future with certainty, there are several trends and movements that suggest progress towards greater gender equality and the advancement of women's rights. Efforts to achieve gender parity in leadership positions, politics, and various sectors of society are likely to continue. The push for more women in decision-making roles will lead to greater diversity of perspectives and a more equitable distribution of power. There has been a growing awareness of the persistent gender pay gap and the need for equal pay for equal work. Continued advocacy, legislation, and corporate initiatives will work towards narrowing this gap, ensuring that women receive fair compensation for their work. Efforts to address gender-based violence, including domestic violence, sexual harassment, and assault, will remain a priority. Education, awareness campaigns, improved legal frameworks, and support services will work towards preventing violence and supporting survivors. The empowerment of women, including access to education, healthcare, economic opportunities, and decision-making power, will continue to be emphasized. Investment in girls' education, entrepreneurship programs, and initiatives promoting financial inclusion will contribute to women's empowerment and increased agency. The recognition of the importance of work-life balance and the need for parental leave policies will likely gain further momentum. Governments and organizations are increasingly realizing the benefits of supporting working parents, both mothers and fathers, and implementing policies that enable them to balance their professional and personal lives. Addressing the gender divide in technology and the digital world will be crucial. Efforts to promote digital literacy, bridge the digital divide, and encourage women's participation in STEM fields will contribute to greater gender equality in technological advancements and digital access. Recognizing and addressing the intersecting forms of discrimination and marginalization that women face will be central to the pursuit of gender equality. Intersectionality acknowledges that



# THE ROLE OF URBAN WOMEN IN ENTREPRENEURSHIP: A REVIEW

Hardeep Singh \*Bikram Pal Singh

\*Amritsar Group of Colleges, Amritsar (Punjab) India

\*\*Global Group of Institutes, Amritsar (Punjab) India

## ABSTRACT

This paper examines the role of urban women in entrepreneurship and explores the factors that influence their participation in entrepreneurial activities. With the increasing urbanization and the changing dynamics of the global economy, the role of women in entrepreneurship has gained significant attention. The study utilizes a comprehensive review of existing literature and empirical studies to shed light on the various aspects of urban women's entrepreneurship. It analyzes the challenges faced by urban women in starting and scaling their businesses, as well as the opportunities and support mechanisms available to them. Additionally, it examines the impact of cultural and societal factors on the entrepreneurial aspirations and outcomes of urban women. The findings highlight that urban women entrepreneurs face both internal and external barriers, such as limited access to capital, social biases, and the work-life balance dilemma. However, they also possess unique strengths, including adaptability, networking skills, and a strong desire for independence. Moreover, it emphasizes the role of urban women as agents of social change, promoting inclusivity and empowerment within their communities.

**Keywords:** Challenges, Economic Growth, Empowerment, Entrepreneurship, Gender Equality, Opportunities, Sustainable Development, Urban Women.

## INTRODUCTION

Entrepreneurship plays a vital role in driving economic growth, innovation, and job creation. In recent years, there has been a significant rise in the number of women engaging in entrepreneurial activities, contributing to the global entrepreneurial landscape. Among these women, those residing in urban areas have emerged as key players, bringing about remarkable changes and opportunities. Urban areas provide a unique ecosystem for entrepreneurial activities, offering access to diverse resources, networks, and markets. Women in urban settings have witnessed a transformational shift, breaking through traditional gender roles and venturing into various sectors such as technology, finance, education, and fashion. This section discusses the changing landscape of urban entrepreneurship and the factors contributing to the increased participation of women in these settings. Urban women entrepreneurs bring valuable contributions to the entrepreneurial ecosystem. They often introduce innovative products and services, foster social change, and create job opportunities within their communities. This section explores the specific ways in which urban women contribute to entrepreneurship, including their role in promoting diversity, addressing social issues, and inspiring future generations. While urban women entrepreneurs have made significant strides, they also encounter unique challenges that can impede their entrepreneurial journey. This section discusses the various obstacles faced by urban women, including gender bias, limited access to capital and resources, work-life balance, and societal expectations. Understanding these challenges is crucial for developing effective strategies and policies to support and empower urban women entrepreneurs. To harness the full potential of urban women entrepreneurs, it is essential to implement targeted initiatives and support mechanisms. This section explores strategies for empowering urban women entrepreneurs, such as mentorship programs, access to finance, networking opportunities, and policy interventions. Additionally, it examines the role of education, skills development, and technology in enhancing their entrepreneurial capabilities. Urban women entrepreneurs have the potential to play a crucial role in achieving sustainable development goals. The growing presence of urban women in entrepreneurship is reshaping the business landscape and fostering economic and social progress.

## FACTORS INFLUENCING WOMEN'S ENTRY INTO ENTREPRENEURSHIP

- Sociocultural Norms and Gender Stereotypes:** Societal expectations and cultural norms can play a significant role in shaping women's decisions to become entrepreneurs. Traditional gender roles and stereotypes may discourage women from pursuing entrepreneurial careers or limit their access to resources and opportunities.
- Access to Education and Skill Development:** Education and skill development opportunities can empower women and provide them with the knowledge and capabilities needed to start and run their own businesses. Limited access to quality education and training programs can hinder women's entrepreneurship.
- Access to Financial Resources:** Access to capital and financial resources is crucial for starting and growing a business. Women often face challenges in accessing loans, venture capital, and other forms of funding due to factors such as gender bias, lack of collateral, and limited networks.
- Networking and Mentorship:** Building networks and having access to mentors and role models can be instrumental for women entrepreneurs. Networks provide access to valuable information, resources, and support.



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*[Signature]*

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49

 NAAC Grade "A" 3 <sup>rd</sup> Cycle <small>under Autonomous Category</small>	<b>RDC Committee Recommendations for Cash Incentive</b>	<b>Office of the Dean (R &amp; D) Office</b>
	AGC/DORD/2023/70	

The Principal,

Amritsar Group of Colleges, Amritsar

Subject: Recommendation by R & D Committee for providing the cash Incentives for granting the Patent

Respected Sir,

This is with reference to request made by Dr. Paramjit Singh, Registrar in regard to cash incentives for granting the patent from UK Design:

Title of Invention	Patent No. / Granted by	Date of Grant	Uploaded on ERP Portal	Affiliation
Industrial trolley with Compartment	393642001/ The Patent Office, Journal No. 42/2023 Government of India	18 <sup>th</sup> October, 2023	Yes	Affiliation with AGC Mentioned

Keeping afore-mentioned under consideration, the Committee members recommend the cash incentives of Rs. 33000/- (Rs. 13000 Registration Fees and Rs. 20000/- incentives) for granting the patent as per policy of the institute.

RDC Members:

1. Dr. Gurbhej Singh, Assistant Prof., ME Department

*[Signature]*  
01/12/23

2. Dr. Namrata Kad, Head & Prof., EE Department

*[Signature]*  
30/11/23

3. Dr. Navdeep Singh, Dy. Dean (R & D)

*[Signature]*  
30/11/23

4. Dr. Navinder Sharma  
Dean (R&D)

*[Signature]*

Approved By:

Dr. Gaurav Tejpal

(Principal, AGC)

*[Signature]*

HDFC-1351  
202039  
27/12/24

Date: 27.10.2023

The Principal,  
Amritsar Group of Colleges,  
Amritsar.

(Through R&D Committee of the College & as per rules)

Subject: Request to provide the cash incentive & registration fee for granting the Patent (IPR)

Respected Sir,

This is with reference to the meeting of R&D Committee held on 16<sup>th</sup> July, 2021 in regard to the cash incentives and registration fee to faculty member(s) for granting the patent. I wish to submit the granting certificate & other details for the patent (IPR) recently granted to me as under:

Title of Invention: 'Industrial Trolley with Compartment'.

Patent Number: 393642-001

Grant date: October 18, 2023

I shall be highly thankful for your kind consideration and approval for cash incentive and reimbursement of registration fee to me for this patent (IPR).

Regards,



**Dr. Paramjit Singh**  
Registrar





सत्यमेव जयते



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 393642-001  
तारीख / Date : 25/08/2023  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **INDUSTRIAL TROLLEY WITH COMPARTMENT** से संबंधित है, का पंजीकरण, श्रेणी 12-02 में 1.Niranjan Mahato 2. Dr. Paramjit Singh के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-02 in respect of the application of such design to **INDUSTRIAL TROLLEY WITH COMPARTMENT** in the name of 1.Niranjan Mahato 2. Dr. Paramjit Singh.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 18/10/2023  
Date of Issue :



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।  
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



Controller General of Patents, Designs and Trademarks  
Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry

Design Application Details

**Application Number:**

393642-001

**Cbr Number:**

210682

**Cbr Date:**

25/08/2023 14:04:43

**Applicant Name:**

1. Niranjan Mahato 2. Dr. Paramjit Singh

Design Application Status

**Application Status:**

Design Accepted and Published, Journal No is 42/2023 and Journal Date is 20/10/2023

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under "Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:  
Design Office, Kolkata : [controllerdesign.ipo@nic.in](mailto:controllerdesign.ipo@nic.in)  
Controller General of Patents, Designs and Trademarks

Self attested:  
  
27.10.2023  
(Dr. Paramjit Singh)



पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

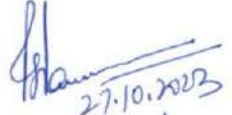
निर्गमन सं. 42/2023  
ISSUE NO. 42/2023


शुक्रवार  
FRIDAY

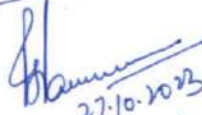
दिनांक: 20/10/2023  
DATE: 20/10/2023

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

Self Attested.

  
27.10.2023  
(Dr. Ranjit Singh)

Design Number	393642-001	
Class	12-02	
1. Niranjan Mahato At Ghosh Pada Road, Kalla (Ch), Asansol, District- Paschim Bardhman, West Bengal, Pin Code-713340, India 2. Dr. Paramjit Singh Professor, Mechanical Engineering, Amritsar Group of Colleges, 12 km Stone, Amritsar Jalandhar G.T. Road, Amritsar, Punjab, 143109, India		
Date of Registration	25/08/2023	
Title	INDUSTRIAL TROLLEY WITH COMPARTMENT	
Priority NA		

Self Attested.  
  
 27.10.2023.  
 (Dr. Paramjit Singh)

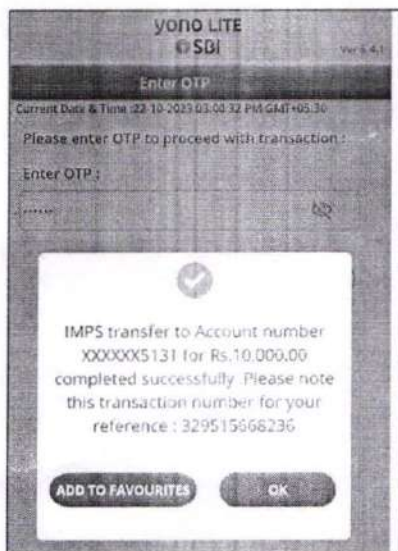


Title of Invention: 'Industrial Trolley with Compartment'.

Patent Number: 393642-001

Grant date: October 18, 2023

Fee receipts for applying/registering the payment:



Self Attested  
*[Signature]*  
27.10.2023  
*(Dr. Paragjit Singh)*

Certificate

Total registration fee paid by the applicants (me) is Rs. 13000/-. Institute is requested to reimburse the registration fee, please. as per the rules of the college.

*[Signature]*  
15.11.2023  
*(Dr. Paragjit Singh)*

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade


Formerly known as


Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Rama Sharma Designation Lect. Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend FDP at Desh Bhagat University  
Journey From Amritsar To DBU  
Date of Departure from Resi/ACET 11/7/23 Time 5:00 a.m.  
Date of Arrival at Resi/ACET 15/7/23 Time of Arrival 8:50 p.m.  
Total Days of Journey/Visit 5 days  
Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500  
Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_  
Total Amount claimed @ Rs. 16<sup>(PB02 CB3598)</sup> per km Rs. 5920  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 10,420

Journey Verified

  
(Signatures & Designation)  
Head,  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
For Accounts Branch  
Amritsar.

(Signature)   
Dated 16/7/23

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Payment Approved

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Principal



# Amritsar Group of Colleges, Amritsar

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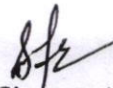
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

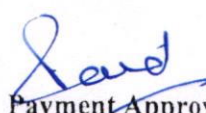
Name Sofia Shauna Designation A.P. Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey FDP in Desh Bhogal University,  
Journey From Ass To DBU  
Date of Departure from Resi/ACET 11/7/23 Time 5:00 am.  
Date of Arrival at Resi/ACET 15/7/23 Time of Arrival 8:50 pm.  
Total Days of Journey/Visit 5 days  
Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500  
Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_  
Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
**Total Amount** Rs. 4500/-


Journey Verified

  
Head, (Signatures & Designation)  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
Amritsar **For Accounts Branch**

  
(Signature)  
Dated 16/7/23

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Payment Approved

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Shama Kundra Designation Asst. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop at NIT Rourkela

Journey From Amritsar To Rourkela

Date of Departure from Resi/ACET 14/12/2023 Time 4.00 am

Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10.00 pm

Total Days of Journey/Visit 11

Daily Allowance for 11 day/s @ Rs. 900 per day Rs. 9900/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs. \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From ASR To Rourkela Rs. 3375

B. [Down] From Rourkela To ASR Rs. 3375

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. 500

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 17150/-

Journey Verified

B. K.

(Signatures & Designation)  
Head,  
Deptt. of Applied Sciences,  
Amritsar Group of Colleges,  
For Accounts Branch  
Amritsar.

Shama  
(Signature)

Dated \_\_\_\_\_

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

David  
Payment Approved

Shama Registrar  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Principal



### Amritsar Group of Colleges, Amritsar

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Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Rajesh Kaur Designation Assistant Prof. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop @ NIT, Rowkela

Journey From Amritsar To Rowkela

Date of Departure from Resi/ACET 04/12/2023 Time 4:05 am

Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10:00 pm

Total Days of Journey/Visit 11

Daily Allowance for 11 day/s @ Rs. 900 per day Rs. 9900

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Rowkela Rs. 3375

B. [Down] From Rowkela To Amritsar Rs. 3375

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. -

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 16,650/-

Journey Verified

[Signature]  
(Signatures & Designation)  
Head,  
Deptt. of Applied Sciences,  
Amritsar Group of Colleges,  
For Accounts Branch  
Amritsar.

[Signature]  
(Signature)  
Dated 15/12/2023

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Registrar  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Principal

5

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### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade  
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Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Navinder Sharma Designation Dean Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop at NIT Rau Kela

Journey From Amritsar To Rau Kela

Date of Departure from Resi/ACET 04/12/2023 Time 4:00 am

Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10:00 pm

Total Days of Journey/Visit 11

Daily Allowance for 1000 day/s @ Rs. 1000 per day Rs. 11000/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs. \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From ASR To Rau Kela Rs. 3375

B. [Down] From Rau Kela To Amritsar Rs. 3375

Honorarium (If any) Rs. —

Local Conveyance Rs. 500

Toll Tax(attach Slip) Rs. —

**Total Amount** Rs. 18250/-

Journey Verified

Dr. Navinder Sharma  
(Signature & Designation)  
(Research & Development)  
Amritsar Group of Colleges,  
Amritsar

Alham  
(Signature)  
Dated 15/12/2023

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Sand  
Payment Approved

Dr. Navinder Sharma  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar. Registrar

Principal



6

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

### Honorarium/TA / DA Bill

Name Dr Pooja, Puri Designation Professor & Head Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop at NIT Rourkela

Journey From Amritsar To Rourkela

Date of Departure from Resi/ACET 04/12/2023 Time 4:00AM

Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10:00PM

Total Days of Journey/Visit 11

Daily Allowance for 11 day/s @ Rs. 900/- per day Rs. 9900/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Rourkela Rs. 3375/-

B. [Down] From Rourkela To Amritsar Rs. 3375/-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 16650/-

Journey Verified

Pooja  
(Signatures & Designation)  
Deptt. of Management Studies,  
Amritsar Group of Colleges.

✓ Pooja  
(Signature)  
Dated 15/12/2023.

### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Sava  
Deputy Registrar (Finance)  
Registrar  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Principal

### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Radhika Kapoor Designation Assistant Prof. Basic Pay Rs. \_\_\_\_\_  
 Purpose of Journey To attend workshop at NIT Rourkela  
 Journey From Amritsar To Rourkela

Date of Departure from Resi/ACET 04/12/2023 Time 4:00 AM  
 Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10:00 PM  
 Total Days of Journey/Visit 11

Daily Allowance for 11 day/s @ Rs. 900/- per day Rs. 9900/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Rourkela Rs. 3375/-

B. [Down] From Rourkela To Amritsar Rs. 3375/-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 16650/-

Journey Verified

[Signature]  
 (Signatures & Designation)  
 Head,  
 Deptt. of Management Studies,  
 Amritsar Group of Colleges,  
 Amritsar  
**For Accounts Branch**

[Signature]  
 (Signature)  
 Dated 15/12/2023

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
 Deputy Registrar (Finance)  
 Amritsar Group of Colleges,  
 Amritsar. Registrar

[Signature]  
 Payment Approved

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop at NIT Rourkela

Journey From Amritsar To Rourkela

Date of Departure from Resi/ACET 04/12/2023 Time 4:00 AM

Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10:00 PM

Total Days of Journey/Visit 11

Daily Allowance for 11 day/s @ Rs. 900/- per day Rs. 9900/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Rourkela Rs. 3375/-

B. [Down] From Rourkela To Amritsar Rs. 3375/-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. 500/-

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 17150/-

Journey Verified

(Signatures & Designation)

(Signature)

Dated 15/12/2023

Head,  
Deptt. of Management Studies.  
Amritsar Group of Colleges.  
Amritsar.  
**For Accounts Branch**

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges  
Amritsar. Registrar

[Signature]  
Payment Approved

Principal

9

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Sandeep Kaur Designation Asst. Prof. Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend workshop at NIT Rourkella  
Journey From Amritsar To Rourkella  
Date of Departure from Resi/ACET 04/12/2023 Time 9:00AM  
Date of Arrival at Resi/ACET 14/12/2023 Time of Arrival 10.00 PM  
Total Days of Journey/Visit 11  
Daily Allowance for 11 day/s @ Rs. 900 per day Rs. 9900/-  
Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_  
Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From Amritsar To Rourkella Rs. 3375/-  
B. [Down] From Rourkella To Amritsar Rs. 3375/-  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 16650/-  
Journey Verified

(Signatures & Designation)  
Deptt. of Management Studies,  
Amritsar Group of Colleges,  
Amritsar

Sandeep Kaur  
(Signature)  
Dated 15/12/2023

### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Sandeep Kaur  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Balwinder Singh Designation Asst Prof Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop.

Journey From Amritsar To NIT-Rourkela

Date of Departure from Resi/ACET 24/12/23 Time 7:00 AM

Date of Arrival at Resi/ACET 31/01/24 Time of Arrival 8:00 PM

Total Days of Journey/Visit 9 days

Daily Allowance for 9 day/s @ Rs. 900 per day Rs. 8100/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. 6750/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Ass To Rourkela Rs. 3375

B. [Down] From Rourkela To Ass Rs. 3375

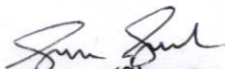
Honorarium (If any) Rs. -


Local Conveyance Rs. 600/-

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 15450/-

Journey Verified

  
Head, (Signatures & Designation)  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
Amritsar. **For Accounts Branch**

  
(Signature)  
Dated 2/01/2024

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar. **Registrar**  
Payment Approved

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA/DA Bill

Name Dr. Pooja Buri Designation Prof. & Head Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend Workshop at NITTR Chd.  
Journey From Amritsar To Chandigarh  
Date of Departure from Resi/ACET 15-01-2024 Time 5:00 AM.  
Date of Arrival at Resi/ACET 19-01-2024 Time of Arrival 10:30 PM.  
Total Days of Journey/Visit 05  
Daily Allowance for 05 day/s @ Rs. 1000 per day Rs. 5000/-  
Total kms if journey undertaken in own car (if eligible to do so) 480  
Total Amount claimed @ Rs. 16 per km Rs. 7680/-  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 12680/-

Journey Verified

(Signatures & Designation)

Head,  
Deptt. of Management Studies  
For Accounts Branch  
Amritsar.

(Signature) Pooja  
Dated 20-10-2024

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Saeed

Deputy Registrar (Finance)  
Registrar  
Amritsar Group of Colleges,  
Amritsar.

Payment Approved

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2D), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Anjinder Kaur Designation Assoc Prof. Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend Workshop at NITR Ckd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 15-01-2024 Time 5 AM.

Date of Arrival at Resi/ACET 19-01-2024 Time of Arrival 10:00 PM.

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 4500/-

Journey Verified \_\_\_\_\_

(Signatures & Designation) \_\_\_\_\_ (Signature) \_\_\_\_\_  
Dated 20-10-2024

Head,  
Deptt of Management Studies.  
Amritsar Group of Colleges.  
Amritsar.

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance) Registrar  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Principal

### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Gurveen Kaur Designation A.P Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend workshop at NITTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11/03/2024 Time 5:00 AM.

Date of Arrival at Resi/ACET 15/03/2024 Time of Arrival 11:00 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified \_\_\_\_\_

(Signatures & Designation)  
Deptt. of Management Studies,  
Amritsar Group of Colleges.

Gandhi  
(Signature)  
Dated 16-03-2024.

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Laid  
Deputy Registrar (Financial)  
Amritsar Group of Colleges,  
Payment Approved.

Principal



# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

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## Honorarium/TA / DA Bill

Name Dr Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend Conference at KCU Amritsar.  
Journey From AGC Amritsar To KCU Amritsar.  
Date of Departure from Resi/ACET 24-01-2024 Time 8:00 AM  
Date of Arrival at Resi/ACET 24-01-2024 Time of Arrival 6:00 PM  
Total Days of Journey/Visit 1.  
Daily Allowance for 01 day/s @ Rs. 350/- per day Rs. 350/-  
Total kms if journey undertaken in own car (if eligible to do so) 50km.  
(PB02ES 3276)  
Total Amount claimed @ Rs. 16/- per km Rs. 800/-  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 1150/-  
Journey Verified

Head (Signatures & Designation)  
Deptt. of Management Studies.  
Amritsar Group of Colleges.  
For Accounts Branch

(Signature) \_\_\_\_\_  
Dated 25-10-2024.

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Said Deputy Registrar (Finance) Registrar  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Principal

**Amritsar Group of Colleges, Amritsar**

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

**Honorarium/TA / DA Bill**

Name Shweta Joshi Designation Asstt. Prof Basic Pay Rs. \_\_\_\_\_

Purpose of Journey FDP at NITTR Chandigarh

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 29/1/2024 Time 5:00 am

Date of Arrival at Resi/ACET 2/2/2024 Time of Arrival 10:30 pm

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500

Total kms if journey undertaken in own car (if eligible to do so) 480  
(PB02BH1718)

Total Amount claimed @ Rs. 16 per km Rs. 7680

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 12180

Journey Verified

Head  
Deptt. of Computer Science & Engg.  
(Signatures & Designation)  
Amritsar Group of Colleges  
Amritsar.

Sjoshi  
(Signature)  
Dated \_\_\_\_\_

**For Accounts Branch**

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges  
Amritsar. Registrar  
[Signature]  
Payment Approved

Principal



**Amritsar Group of Colleges, Amritsar**

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

**Honorarium/TA / DA Bill**

Name Namata Kad Designation Prof. Basic Pay Rs. 37400/-

Purpose of Journey FDP at NITTTR

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 12/2/2024 Time 5:30 am

Date of Arrival at Resi/ACET 16/2/2024 Time of Arrival 10:00 pm

Total Days of Journey/Visit 05

Daily Allowance for 5 day/s @ Rs. 1000/- per day Rs. 5000/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 5000/-

Journey Verified

(Signature)  
(Signatures & Designation)  
HOD, EE  
Deptt. of Electrical Engineering,  
Amritsar Group of Colleges,

(Signature)  
Dated 19/2/2024

**For Accounts Branch**

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

(Signature)  
Deputy Registrar (Finance)  
Amritsar Group of Colleges  
Amritsar.  
(Signature)  
Payment Approved

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Abul Mahajan Designation Assoc. Prof. Basic Pay Rs. 37400/-

Purpose of Journey FDP at NITTTR

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 12/2/2024 Time 5:15am

Date of Arrival at Resi/ACET 16/2/2024 Time of Arrival 10:30pm

Total Days of Journey/Visit 05

Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) 480 Km

Total Amount claimed @ Rs. 16/- per km (PB02 BF0365) Rs. 7680/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 12180/-

Journey Verified

(Signatures & Designation) Head (HOD, EE)  
Deptt. of Electrical Engineering,  
Amritsar Group of Colleges,  
Amritsar.

(Signature) A  
Dated 19/2/2024

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Said Deputy Registrar (Finance) Registrar  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Principal



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# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

### Honorarium/TA / DA Bill

Name Guneet Kaur Designation Assoc. Prof. Basic Pay Rs. 37400/-

Purpose of Journey FDP

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 12/2/2024 Time 5:15am

Date of Arrival at Resi/ACET 16/2/2024 Time of Arrival 10:30pm

Total Days of Journey/Visit 05

Daily Allowance for 5 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

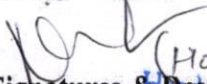
Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified

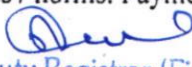
  
(Signatures & Designation)  
(HOD, EE)

Deptt. of Electrical Engineering,  
Amritsar Group of Colleges,

For Accounts Branch

(Signature)  
Dated 19/12/2024

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar. Registrar  
**Payment Approved**

Principal

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## Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

### Honorarium/TA / DA Bill

Name Priya Sharma Designation AP Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey FDP at NITTR Chandigarh  
Journey From Amritsar To Chandigarh  
Date of Departure from Resi/ACET 26 Feb 2024 Time 5:20 AM  
Date of Arrival at Resi/ACET 1 Mar 2024 Time of Arrival 10:00 pm  
Total Days of Journey/Visit 5 days  
Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500  
Total kms if journey undertaken in own car (if eligible to do so) 480  
Total Amount claimed @ Rs. 16 per km PB-02-EL-3232 Rs. 7680  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 12180

Journey Verified  
Head [Signature]  
Deptt. of Computer Science & Engg  
(Signatures & Designation)  
Amritsar Group of Colleges  
Amritsar.

[Signature]  
(Signature)  
Dated \_\_\_\_\_

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Dr Hardeep Sgh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend seminar at Hindu Kanya College Kapurthala.

Journey From Amritsar To Kapurthala

Date of Departure from Resi/ACET 02 March 2024 Time 6:00 AM

Date of Arrival at Resi/ACET 02-03-24 Time of Arrival 6:00 PM

Total Days of Journey/Visit ① One

Daily Allowance for 1 day/s @ Rs. 350/- per day Rs. 350/-

Total kms if journey undertaken in own car (if eligible to do so) 110km.

Total Amount claimed @ Rs. 16/- per km <sup>(PB02ES)</sup> <sub>3276</sub> Rs. 1760/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. \_\_\_\_\_

Journey Verified \_\_\_\_\_

Head, (Signatures & Designation)  
Deptt. of Management Studies  
Amritsar Group of Colleges.

(Signature) \_\_\_\_\_  
Dated 03 March 2024.

### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

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## Honorarium/TA / DA Bill

Name Dr. Pooja Puri Designation Prof & Head Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NITRR Chd

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11-03-2024 Time 5:00 AM

Date of Arrival at Resi/ACET 15/03/24 Time of Arrival 11:00 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 1000/- per day Rs. 5000/-

Total kms if journey undertaken in own car (if eligible to do so) 480.

Total Amount claimed @ Rs 16 per km Rs. 7680/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 12680/-

Journey Verified

Pooja  
(Signatures & Designation)

Pooja  
(Signature)  
Dated 16-03-24

Head,  
Deptt. of Management Studies,  
Amritsar Group of Colleges,  
For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Law  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Payment Approved  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Sandeep Kaur, Designation A.P. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NIFTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11-03-2024 Time 5:30 AM

Date of Arrival at Resi/ACET 15-03-2024 Time of Arrival 11:30 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified

*[Signature]*  
 Head  
 Deptt. of Management Studies  
 Amritsar Group of Colleges  
 Amritsar.

*[Signature]*  
 (Signature)  
 Dated 16-03-2024

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

*[Signature]*  
 Deputy Registrar (Finance)  
 Amritsar Group of Colleges,  
 Amritsar.

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

23

## Honorarium/TA / DA Bill

Name Paramjeet Singh Designation AP. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NITTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11/03/24. Time 5:00 AM

Date of Arrival at Resi/ACET 15/03/24 Time of Arrival 11:00 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 4500/-

Journey Verified \_\_\_\_\_

(Signatures & Designation)  
Deptt. of Management Studies,  
Amritsar Group of Colleges,  
Amritsar

(Signature)  
Dated 16/03/24

### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



**Amritsar Group of Colleges, Amritsar**

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

**Honorarium/TA / DA Bill**

Name Sharanjot Kaur Designation Asst. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NITTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11/03/2024 Time 5:15 AM.

Date of Arrival at Resi/ACET 15/03/2024 Time of Arrival 11:00 PM.

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified

[Signature]  
(Signatures & Designation)  
Heads of Deptt. of Management Studies,  
Amritsar Group of Colleges,  
Amritsar.

(Signature) [Signature]  
Dated 16/03/2024

**For Accounts Branch**

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal

### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Radhika Kapoor Designation AP. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NITTTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11/3/24. Time 5:00 AM.

Date of Arrival at Resi/ACET 15/3/2024 Time of Arrival 11:00 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified

(Signatures & Designation)  
[Signature]  
Deptt. of Management Studies,  
Amritsar Group of Colleges,

[Signature]  
(Signature)  
Dated 16-03-2024.

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NITTTR Chd.

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11/03/24. Time 5:00 AM

Date of Arrival at Resi/ACET 15/03/24. Time of Arrival 11:00 PM.

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900/- per day Rs. 4500/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified

(Signatures & Designation)

(Signature)

Dated 16/03/24.

Head,  
Deptt. of Man. & Gen. Secy.  
Amritsar Group of Colleges,  
Amritsar.

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Laurel

@eup  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Blawana Mehra Designation AP Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend FDP at NITTTR Chd  
Journey From Amritsar To Chandigarh  
Date of Departure from Resi/ACET 11/03/24 Time 5:00 AM  
Date of Arrival at Resi/ACET 15/03/24 Time of Arrival 11:00 AM  
Total Days of Journey/Visit 05  
Daily Allowance for 05 day/s @ Rs. 900/per day Rs. 4500  
Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_  
Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
Total Amount Rs. 4500

Journey Verified

(Signatures & Designation)

Head,  
Deptt. of Management Studies,  
Amritsar Group of Colleges.  
For Accounts Branch

Blawana  
(Signature)  
Dated 16/03/24

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Level

Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Bhuvnesh Kumar Designation Asst. Prof Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend STIP at BCET, Durgapur

Journey From Amritsar To Durgapur

Date of Departure from Resi/ACET \_\_\_\_\_ Time \_\_\_\_\_

Date of Arrival at Resi/ACET \_\_\_\_\_ Time of Arrival \_\_\_\_\_

Total Days of Journey/Visit 5 Days

Daily Allowance for 5 day/s @ Rs. 1620 per day Rs. 8100

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Durgapur Rs. 3346

B. [Down] From Durgapur To Amritsar Rs. 3346

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. 1114

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 15906

Journey Verified

Head [Signature]  
(Signature & Designation)  
Dept. of Computer Science & Engg.  
Amritsar Group of Colleges  
Amritsar.  
**For Accounts Branch**

[Signature]  
(Signature)  
Dated \_\_\_\_\_

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

## Honorarium/TA / DA Bill

Name Sanjeev Kumar Designation Asso Prof. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend STTP at Bengal college of engg. & Tech. Durgapura.

Journey From Amritsar To Durgapura

Date of Departure from Resi/ACET 10, March, 2024 Time 4:00 am

Date of Arrival at Resi/ACET \_\_\_\_\_ Time of Arrival \_\_\_\_\_

Total Days of Journey/Visit 5 days

Daily Allowance for 5 day/s @ Rs. 1600 per day Rs. 8100/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Amritsar To Durgapura Rs. 3346/-

B. [Down] From Durgapura To Amritsar Rs. 3346/-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 14792/-

Journey Verified

(Signatures & Designation)

(Signature) [Signature]  
Dated \_\_\_\_\_

Head  
Deptt. of Computer Science & Engg  
**For Accounts Branch**  
Amritsar Group of Colleges  
Amritsar

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Priya Sharma Designation AP Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend STTP at BCET, Durgapur

Journey From Amritsar To Durgapur

Date of Departure from Resi/ACET 10-3-24 Time 4:00am

Date of Arrival at Resi/ACET \_\_\_\_\_ Time of Arrival \_\_\_\_\_

Total Days of Journey/Visit 5 days

Daily Allowance for 5 day/s @ Rs 62 per day Rs. 8100/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From As To Durgapur Rs. 33461-

B. [Down] From Durgapur To As Rs. 33461-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 147927

Journey Verified

Head  
Dept. of Computer Science & Engg  
Amritsar Group of Colleges  
Amritsar  
**For Accounts Branch**

(Signature) Priya  
Dated \_\_\_\_\_

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

32

## Honorarium/TA / DA Bill

Name Deepinderjit Kaur Designation Asst. Prof. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP at NIT Jalandhar

Journey From Asn. To Jalandhar

Date of Departure from Resi/ACET 27/3/24 Time 7:00 a.m.

Date of Arrival at Resi/ACET 31/3/24 Time of Arrival 7:00 p.m.

Total Days of Journey/Visit 5 days.

Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500

Total kms if journey undertaken in own car (if eligible to do so) 146 Km.

Total Amount claimed @ Rs. 16 <sup>(PB 02 CG 8900)</sup> per km Rs. 2336.

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

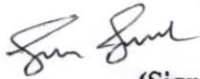
Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

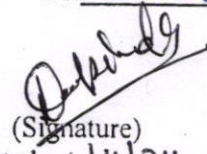
**Total Amount** Rs. 6836

Journey Verified



(Signatures & Designation)

Head,  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
Amritsar. **For Accounts Branch**



(Signature)  
Dated 1/4/24

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

33

## Honorarium/TA / DA Bill

Name Shia Sharma Designation A.P Basic Pay Rs. \_\_\_\_\_

Purpose of Journey FDP

Journey From Amritsar To NIT Jalandhar

Date of Departure from Resi/ACET 27/8/24 Time 7:00am

Date of Arrival at Resi/ACET 31/8/24 Time of Arrival 7:00pm

Total Days of Journey/Visit 5 days

Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

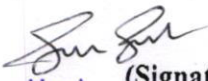
Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500

Journey Verified

  
(Signatures & Designation)  
Head,  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
Amritsar. **For Accounts Branch**

  
(Signature)  
Dated 1/4/24

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal

# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

34

## Honorarium/TA / DA Bill

Name Rama Sharma Designation Lect. Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend FDP

Journey From Amritsar To NIT Jalandhar

Date of Departure from Resi/ACET 27/3/24 Time 7:00 a.m

Date of Arrival at Resi/ACET 31/3/24 Time of Arrival 7:00 P.m.

Total Days of Journey/Visit 5 days

Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

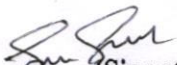
Honorarium (If any) Rs. \_\_\_\_\_

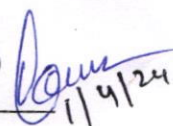
Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500

Journey Verified

  
(Signatures & Designation)  
Head,  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges  
For Accounts Branch  
Amritsar.

(Signature)   
Dated 11/4/24

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



# Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as


Amritsar College of Engineering & Technology | Amritsar Pharmacy College


35

## Honorarium/TA / DA Bill

Name Ralak Sharma Designation A.P Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey FDP  
Journey From Amritsar To NIT Jalandhar  
Date of Departure from Resi/ACET 27/3/24 Time 7:00 am  
Date of Arrival at Resi/ACET 31/3/24 Time of Arrival 7:00 am  
Total Days of Journey/Visit 5 days  
Daily Allowance for 5 day/s @ Rs. 900 per day Rs. 4500  
Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_  
Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_  
Bus / Railway Fare (if journey not undertaken in college conveyance)  
A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_  
Honorarium (If any) Rs. \_\_\_\_\_  
Local Conveyance Rs. \_\_\_\_\_  
Toll Tax(attach Slip) Rs. \_\_\_\_\_  
**Total Amount** Rs. 4500/-

Journey Verified

  
Head, (Signatures & Designation)  
Deptt. of Pharmaceutical Sciences,  
Amritsar Group of Colleges,  
Amritsar. **For Accounts Branch**

  
(Signature)  
Dated 1/4/24

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal

### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend Seminar at Doaba College Jalandhar

Journey From Amritsar To Jalandhar

Date of Departure from Resi/ACET 29 July 21 Time 6:00 AM

Date of Arrival at Resi/ACET 29 July 21 Time of Arrival 7:00 PM

Total Days of Journey/Visit 01

Daily Allowance for 01 day/s @ Rs. 350/- per day Rs. 350/-

Total kms if journey undertaken in own car (if eligible to do so) 80km

Total Amount claimed @ Rs. 16/- per km. (802 ES 3276) Rs. 2560/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 2910/-

Journey Verified

[Signature]  
**Head,** (Signatures & Designation)  
**Deptt. of Management Studies,**  
**Amritsar Group of Colleges,**  
**Amritsar For Accounts Branch**

(Signature) [Signature]  
Dated 30 July 2021

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2D), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Pooja Luxi Designation Prof & Head Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend Seminar at Doaba College Jalandhar

Journey From Amritsar To Jalandhar

Date of Departure from Resi/ACET 29 July 24 Time 6:30 AM

Date of Arrival at Resi/ACET 29 July 24 Time of Arrival 7:30 PM

Total Days of Journey/Visit 01

Daily Allowance for 01 day/s @ Rs. 350/per day Rs. 350

Total kms if journey undertaken in own car (if eligible to do so) 80km

Total Amount claimed @ Rs. 16 per km (PB02AV 8369) Rs. 2560

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 2910

Journey Verified

Pooja  
 (Signatures & Designation)  
 Head,  
 Deptt. of Management Studies,  
 Amritsar Group of Colleges,  
 Amritsar

Pooja  
 (Signature)  
 Dated 30 July 2024

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
 Deputy Registrar (Finance)  
 Payment Approved  
 Amritsar Group of Colleges,  
 Amritsar.

Registrar

Principal

### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2F), NAAC-A Grade  
Formerly known as  
Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_  
Purpose of Journey To attend conference at SCERT Delhi  
Journey From Amritsar To New Delhi

Date of Departure from Resi/ACET 19 Dec 2023 Time 5:00 AM

Date of Arrival at Resi/ACET 21 Dec 23 Time of Arrival 10:00 PM

Total Days of Journey/Visit 03

Daily Allowance for 03 day/s @ Rs. 900 per day Rs. 2700

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From ASR To N Delhi Rs. 1340

B. [Down] From N Delhi To ASR Rs. 1340

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 5380

Journey Verified

(Signatures & Designation)

(Signature) \_\_\_\_\_  
Dated 22 Dec 2023

Head,  
Deptt. of Management Studies,  
Amritsar Group of Colleges,  
Amritsar.  
For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Sand  
Deptt. of Management Studies  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (2D), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Dr. Hardeep Sgh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend Conference at GGNIMT Ludhiana

Journey From Amritsar To Ludhiana

Date of Departure from Resi/ACET 16 March 2024 Time 5:00 AM.

Date of Arrival at Resi/ACET 16 March 2024 Time of Arrival 10:30 PM.

Total Days of Journey/Visit \_\_\_\_\_

Daily Allowance for 01 day/s @ Rs. 450 per day Rs. 450/-

Total kms if journey undertaken in own car (if eligible to do so) 324 Km.  
(9802 ES 3276)

Total Amount claimed @ Rs. 16 per km Rs. 5184/-

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

Total Amount Rs. 5634/-

Journey Verified

Head,  
Deptt. of Management Studies  
Amritsar Group of Colleges.  
Amritsar **For Accounts Branch**

(Signature) \_\_\_\_\_  
Dated 17 March 2024

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance) Registrar  
Amritsar Group of Colleges,  
Payment Approved

Principal

**Amritsar Group of Colleges, Amritsar**

Autonomous status conferred by UGC under UGC Act-1956, (2f), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

**Honorarium/TA / DA Bill**

Name Dr Hardeep Singh Designation Professor Basic Pay Rs. \_\_\_\_\_

Purpose of Journey To attend Conference at DDG DV College

Journey From Amritsar To Chennai Chennai

Date of Departure from Resi/ACET 06-02-2024 Time 5:20 AM

Date of Arrival at Resi/ACET 11-02-2024 Time of Arrival 11:20 PM

Total Days of Journey/Visit 06

Daily Allowance for 06 day/s @ Rs. 900 per day Rs. 5400/-

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From Asr To Chennai Rs. 9549/-

B. [Down] From Chennai To Asr Rs. 9540/-

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 14480/-

Journey Verified

(Signatures & Designation)

(Signature) \_\_\_\_\_  
Dated \_\_\_\_\_

Head,  
Deptt. of Management Studies,  
Amritsar Group of Colleges,  
Amritsar  
**For Accounts Branch**

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

Said  
Deputy Registrar (Finance)  
Amritsar Group of Colleges,  
Amritsar.  
Payment Approved

Registrar

Principal



### Amritsar Group of Colleges, Amritsar

Autonomous status conferred by UGC under UGC Act-1956, (20), NAAC-A Grade

Formerly known as

Amritsar College of Engineering & Technology | Amritsar Pharmacy College

#### Honorarium/TA / DA Bill

Name Karan Mahajan Designation AP Basic Pay Rs. \_\_\_\_\_

Purpose of Journey FDP at NITTR, Chandigarh

Journey From Amritsar To Chandigarh

Date of Departure from Resi/ACET 11-3-2024 Time 5:30 AM

Date of Arrival at Resi/ACET 15-3-2024 Time of Arrival 11:00 PM

Total Days of Journey/Visit 05

Daily Allowance for 05 day/s @ Rs. 900 per day Rs. 4500

Total kms if journey undertaken in own car (if eligible to do so) \_\_\_\_\_

Total Amount claimed @ Rs \_\_\_\_\_ per km Rs. \_\_\_\_\_

Bus / Railway Fare (if journey not undertaken in college conveyance)

A. [UP] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

B. [Down] From \_\_\_\_\_ To \_\_\_\_\_ Rs. \_\_\_\_\_

Honorarium (If any) Rs. \_\_\_\_\_

Local Conveyance Rs. \_\_\_\_\_

Toll Tax(attach Slip) Rs. \_\_\_\_\_

**Total Amount** Rs. 4500/-

Journey Verified  
Head [Signature]  
Deptt. of Computer Science & IT  
(Signatures & Designation)  
Amritsar Group of Colleges  
Amritsar

[Signature]  
(Signature)  
Dated \_\_\_\_\_

#### For Accounts Branch

Amount claimed above is as per college rules / norms. Payment of Rs. \_\_\_\_\_ may be allowed to be made please.

[Signature]  
Deputy Registrar (Finance)  
Payment Approved  
Amritsar Group of Colleges,  
Amritsar.

Registrar

Principal





Desh Bhagat University  
A Hybrid Mode Five Days  
Faculty Development Program on



# RECENT ADVANCEMENTS IN TEACHING LEARNING PRACTICES AND ITS DEVELOPMENT

in collaboration with Association of  
Pharmaceutical Teachers of India, Punjab State Branch

organised by

S. Lal Singh Memorial College of Pharmacy,  
Desh Bhagat University, Mandi Gobindgarh, Punjab

## *Certificate of Participation*

*Rama Sharma*

This Certificate is Presented to Dr./Mr./Ms.

*Anvitar Group of Colleges, Punjab*

of

has actively Participated in a Hybrid Mode Five Days Faculty Development Program on "RECENT ADVANCEMENTS IN TEACHING LEARNING PRACTICES AND ITS DEVELOPMENT" from 11-07-2023 to 15-07-2023

Dr. Amit Mittal  
Convener

Dr. Rajiv Sharma  
Convener

Dr. Gulshan Bansal  
President APTI, Punjab State Branch







Desh Bhagat University



A Hybrid Mode Five Days  
Faculty Development Program on



# RECENT ADVANCEMENTS IN TEACHING LEARNING PRACTICES AND ITS DEVELOPMENT

in collaboration with Association of  
Pharmaceutical Teachers of India, Punjab State Branch  
organised by

S. Lal Singh Memorial College of Pharmacy,  
Desh Bhagat University, Mandi Gobindgarh, Punjab

## *Certificate of Participation*

*Sofia Sharma*

This Certificate is Presented to Dr./Mr./Ms.

*Amritsar Group of Colleges, Punjab*

of

has actively Participated in a Hybrid Mode Five Days Faculty Development Program on "RECENT ADVANCEMENTS IN TEACHING LEARNING PRACTICES AND ITS DEVELOPMENT" from 11-07-2023 to 15-07-2023

Dr. Amit Mittal  
Convener

Dr. Rajiv Sharma  
Convener

Dr. Gulshan Bansal  
President APTI, Punjab State Branch





# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Shama Kundra**

from Amritsar Group of Colleges has participated in the

National Workshop on “Indian Knowledge Systems: Concepts & Applications”, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from November 6-12, 2023.

Dr. Arvind Kumar  
14/11/2023

Convener

Dr. Arvind Kumar

Assistant Professor - School of Management,  
NIT Rourkela

Dr. Surabhi Verma  
14/11/2023

Coordinator

Dr. Surabhi Verma

Assistant Professor - Department of Humanities and Social Sciences,  
NIT Rourkela

Dr. Mahesh Kumar Shrivastava  
14/11/2023

Coordinator

Dr. Mahesh Kumar Shrivastava

Assistant Professor - Department of Mining Engineering,  
NIT Rourkela





# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Rajbir Kaur**

from Amritsar Group of Colleges has participated in the

National Workshop on “Indian Knowledge Systems: Concepts & Applications”, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from November 6-12, 2023.

*Arvind Kumar*  
12/11/2023

Convener

**Dr. Arvind Kumar**

Assistant Professor – School of Management,  
NIT Rourkela

*Surabhi Verma*  
12/11/2023

Coordinator

**Dr. Surabhi Verma**

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

*Maresh Kumar Shriwas*  
12.11.2023

Coordinator

**Dr. Maresh Kumar Shriwas**

Assistant Professor – Department of Mining Engineering,  
NIT Rourkela

CITIZENSHIP PARTICIPANT (S)





# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Dr. Narinder Sharma**

from Amritsar Group of Colleges has participated in the

National Workshop on “Indian Knowledge Systems: Concepts & Applications” organized by School of Management, NIT Rourkela in Association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from

November 6-12, 2023.

  
12.11.2023  
Coordinator

Dr. Surabhi Verma

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

  
12.11.2023

Coordinator

Dr. Mahesh Kumar Shrivastava

Assistant Professor – Department of Mining Engineering,  
NIT Rourkela







# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Dr. Pooja Puri**

from Amritsar Group of Colleges has participated in the

“Indian Knowledge Systems: Concepts & Applications”, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from

National Workshop on  
in association with  
November 6-12, 2023

*[Signature]*  
12.11.2023  
Coordinator

**Dr. Surabhi Verma**

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

*[Signature]*  
12.11.2023  
Coordinator

**Dr. Mahesh Kumar Shriwas**

Assistant Professor – Department of Mining Engineering,  
NIT Rourkela

*[Signature]*  
12.11.2023  
Convener

**Dr. Arvind Kumar**

Assistant Professor – School of Management,  
NIT Rourkela





Azadi Ka  
Amrit Mahotsav

G20  
INDIA  
2023



# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Dr. Arvind Kumar**

from Amritsar Group of Colleges, Amritsar has participated in the

National Workshop on “Indian Knowledge Systems: Concepts & Applications”, organized by School of Management, NIT Rourkela

in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from

November 6-12, 2023

*Arvind Kumar*  
12/11/2023

Convener

**Dr. Arvind Kumar**

Assistant Professor – School of Management,  
NIT Rourkela

*Dr. Surabhi Verma*  
12/11/2023

Coordinator

**Dr. Surabhi Verma**

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

*Dr. Mahesh Kumar Shriwas*  
12.11.2023

Coordinator

**Dr. Mahesh Kumar Shriwas**

Assistant Professor – Department of Mining Engineering,  
NIT Rourkela







# Certificate of Participation

National Workshop on

“Indian Knowledge Systems: Concepts & Applications”

This is to certify that

**Dr. Arvind Kumar Singh**

from Amritsar Group of Colleges Amritsar has participated in the

National Workshop on “Indian Knowledge Systems: Concepts & Applications”, organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from November 6-12, 2023.

  
12.11.2023

Convener

**Dr. Arvind Kumar**

Assistant Professor – School of Management,  
NIT Rourkela

  
12.11.2023

Coordinator

**Dr. Surabhi Verma**

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

  
12.11.2023

Coordinator

**Dr. Mahesh Kumar Shriwas**

Assistant Professor – Department of Mining Engineering,  
NIT Rourkela







# Certificate of Participation

National Workshop on  
"Indian Knowledge Systems: Concepts & Applications"

This is to certify that

**Dr. Sandeep Kaur**

from Amritsar Group of Colleges has participated in the

National Workshop on "Indian Knowledge Systems: Concepts & Applications", organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from

November 6-12, 2023

*Arvind Kumar*  
12.11.2023

Convener

**Dr. Arvind Kumar**

Assistant Professor – School of Management,  
NIT Rourkela

*Surabhi Verma*  
12.11.2023

Coordinator

**Dr. Surabhi Verma**

Assistant Professor – Department of Humanities and Social Sciences,  
NIT Rourkela

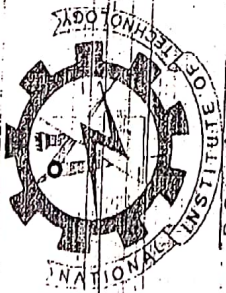
*Mahesh Kumar Shriwas*  
12.11.2023

Coordinator

**Dr. Mahesh Kumar Shriwas**

Assistant Professor – Department of Mining Engineering  
NIT Rourkela





# NGVID-Series 2 2023



## Certificate of Participation

This is to certify that

*Balwinder Singh*

Has participated in the High-end workshop on "Next Generation Medical Devices - Series 2, 2023", held at the Department of Biotechnology and Medical Engineering, National Institute of Technology, Rourkela from 26<sup>th</sup> - 30<sup>th</sup> December, 2023 under Scientific Social Responsibility, sponsored by SERB India.

Dr. Earu Banoth  
Co-Ordinator

Dr. Praseon Kumar  
Co-Ordinator

Dr. Kunal Pal  
Chairman





Certificate No: ICT-18808/24

# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**POOJA PURI**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Enhancing Research Capabilities for Academic Career Progression**

*Conducted by*

**Entrepreneurship Development and Industrial Coordination Department**

from

**15/01/2024 to 19/01/2024 (One Week)**

at

**NITTTR, Chandigarh**



Coordinator

Director







Certificate No: ICT-18845/24

**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**ARJINDER KAUR**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Enhancing Research Capabilities for Academic Career Progression**

*Conducted by*

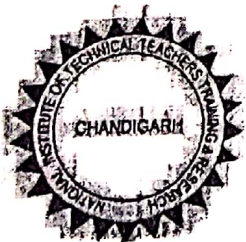
**Entrepreneurship Development and Industrial Coordination Department**

from

**15/01/2024 to 19/01/2024 (One Week)**

at

**NITTTR, Chandigarh**



**Coordinator**

**Director**





Certificate No: ICT-18826/24

# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**GURVEEN KAUR**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

*on*

**Enhancing Research Capabilities for Academic Career Progression**

*Conducted by*

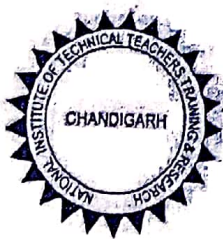
**Entrepreneurship Development and Industrial Coordination Department**

*from*

**15/01/2024 to 19/01/2024 (One Week)**

*at*

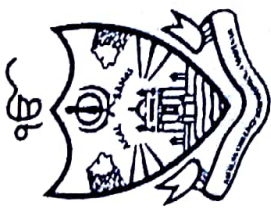
**NITTTTR, Chandigarh**



  
Coordinator

  
Director





**KHALSA COLLEGE FOR WOMEN, AMRITSAR**  
**ICSSR Sponsored National Seminar**

on

**Advancements in Research Methodology:  
Navigating the Path to Inclusive and Robust Knowledge**  
January 24-25, 2024

This is to certify that (Dr./Mr./Ms.) Hardeep Singh  
from Amritsar Group of colleges, Amritsar  
has presented the paper titled Navigating Ethical dilemmas  
in the realm of Research: A comprehensive Exploration  
during ICSSR Sponsored National Seminar on "Advancements in Research  
Methodology: Navigating the Path to Inclusive and Robust Knowledge" on  
January 24-25, 2024 organised by PG Department of Commerce and Management,  
Khalsa College for Women, Amritsar.

Dr. Surinder Kaur  
(Principal)

*Suman Nayar*

Dr. Suman Nayar  
(Head)

*Ritu Dhawan*

Dr. Ritu Dhawan  
(Convenor)

*Namrata*

Dr. Namrata  
(Co-Convenor)



**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**SHWETA JOSHI**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

*on*

**AI/ML and Data Science for Industry 4.0 (Intermediate Level )**

*Conducted by*

**Computer Science and Engineering Department**

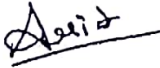
*from*

**29/01/2024 to 02/02/2024 (One Week)**

*at*

**NITTTR, Chandigarh**



  
**Coordinator**

  
**Director**





Certificate No: ICT-21621/24

**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**NAMARTÀ KAD**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Big Data Analytics in Smart Grid**

*Conducted by*

**Electrical Engineering Department**

from

**12/02/2024 to 16/02/2024 (One Week)**

at

**NITTTR, Chandigarh**



*Jinesh Kumar*  
**Coordinator**

*[Signature]*  
**Director**





Certificate No: ICT-22394/24

**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**ATUL MAHAJAN**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Wireless Networks**

*Conducted by*

**Computer Science and Engineering Department**

from

**12/02/2024 to 16/02/2024 (One Week)**

at

**NITTTR, Chandigarh**



*[Signature]*  
**Coordinator**

*[Signature]*  
**Director**







Certificate No: ICT-22371/24

**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**GUNEET KAUR**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Wireless Networks**

*Conducted by*

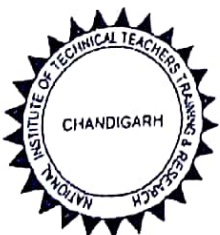
**Computer Science and Engineering Department**

from

**12/02/2024 to 16/02/2024 (One Week)**

at

**NITTTR, Chandigarh**



*G. Ranvir Singh*  
**Coordinator**

*[Signature]*  
**Director**



Certificate No: ICT-23815/24

# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate



*This is to certify that*

**PRIYA SHARMA**

**AMRITSAR GROUPS OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**AI/ML and Data Science for Industry 4.0 (Advanced Level)**

*Conducted by*

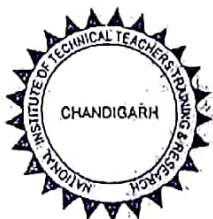
**Computer Science and Engineering Department**

from

**26/02/2024 to 01/03/2024 (One Week)**

at

**NITTTR, Chandigarh**



  
Coordinator

  
Director



# Hindu Kanya College, Kapurthala

(Affiliated to Guru Nanak Dev University, Amritsar)



## One Day Seminar on Green and Sustainable Entrepreneurship in Commerce

**March 2, 2024**

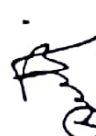
# CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. Hardeep Singh, Amritsar Group of Colleges,  
AMRITSAR.

has attended one day seminar sponsored by Indian Council of Social Science Research (ICSSR), New Delhi.

He / She attended as Resource Person / Delegate / Presented Paper on / in HARMONY in BUSINESS:  
exploring the dynamics of sustainable and green entrepreneurship

  
Dr. Neetu Bhargava  
Organising Coordinator

  
Dr. Archana Garg  
Principal



Certificate No: ICT-26487/24

# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**POOJA PURI**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTTR, Chandigarh**



  
Coordinator

  
Director







# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**SANDEEP KAUR**

**Amritsar Group of Colleges, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

*on*

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

*from*

**11/03/2024 to 15/03/2024 (One Week)**

*at*

**NITTTR, Chandigarh**



*[Signature]*  
Coordinator

*[Signature]*  
22/4/24

*[Signature]*  
Director

**National Institute of  
Advanced Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**PARAMJEET SINGH**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

from

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at

**NITTTR, Chandigarh**



*[Signature]*  
**Coordinator**

*[Signature]*  
**Director**





# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

This is to certify that

**SHARANJOT KAUR**

**AMRITSAR COLLEGE OF ENGINEERING AND TECHNOLOGY,  
MANAWALA  
PUNJAB**

Participated in the AICTE Recognized Faculty Development Programme

on

**Digital Tools for Teaching and Learning**

Conducted by

**Media Engineering Department**

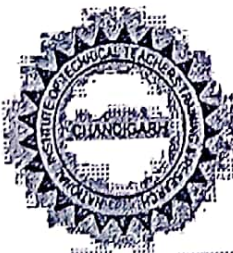
from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTR, Chandigarh**

*29/04/2024*



*[Signature]*

Coordinator

*[Signature]*

Director



# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**RADHIKA KAPOOR**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTTR, Chandigarh**

*Radhika*  
*22/4/2024*



*Radhika*

Coordinator

*Director*

Director





# National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

## Certificate

*This is to certify that*

**DR. HARDEEP SINGH**  
**AMRITSAR GROUP OF COLLEGES, AMRITSAR**  
**PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTTR, Chandigarh**



*R. Singh*  
**Coordinator**

*[Signature]*  
**Director**



**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**BHAWNA MEHRA**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Digital Tools for Teaching and Learning**

*Conducted by*

**Media Engineering Department**

from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTTR, Chandigarh**



*R. Singh*  
Coordinator

*[Signature]*  
Director





Certificate No: ICT-24420/24

**National Institute of  
Technical Teachers Training and Research  
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**



*This is to certify that*

**KARAN MAHAJAN**

**AMRITSAR GROUP OF COLLEGES, AMRITSAR  
PUNJAB**

*Participated in the AICTE Recognized Faculty Development Programme*

on

**Scilab Programming for Scientific Applications**

*Conducted by*

**Information Management and Emerging Engineering Department**

from

**11/03/2024 to 15/03/2024 (One Week)**

at

**NITTTR, Chandigarh**



*Maibrayee*  
**Coordinator**

*[Signature]*  
**Director**



# DATASCULPT

International Short-Term Training Program (STTP)

BENGAL COLLEGE OF ENGINEERING AND TECHNOLOGY

This is to certify that

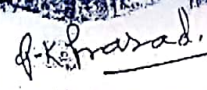
Mr. Bhuvnesh Kumar, Assistant Professor, Dept. of CSE, Amritsar group of colleges

Participated in the DataSculpt International Short-Term Training Program (STTP) in Machine Learning and Data Science Marvels.

Jointly organized by the Department of IT, CSE & CSE (AI-ML)

From March 12th to 16th, 2024.

  
Prof. (Dr.) A.C. Ganguly  
Director

  
Prof. (Dr.) P.K. Prasad  
Principal

  
Dr. Santanu Modak  
Dean (Research)



# DATASCULPT

International Short-Term Training Program (STTP)

BENGAL COLLEGE OF ENGINEERING AND TECHNOLOGY

This is to certify that

Mr. Sanjeev Kumar, Associate Professor, Dept. of CSE, Amritsar Group of Colleges

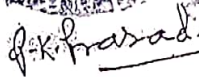
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From March 12th to 16th, 2024.



Prof. (Dr.) A.C. Ganguly  
Director



Prof. (Dr.) P.K. Prasad  
Principal



Dr. Santanu Modak  
Dean (Research)



# DATA SCULPT

International Short-Term Training Program (STTP)

BENGAL COLLEGE OF ENGINEERING AND TECHNOLOGY

This is to certify that

MS. PRIYA SHARMA, ASSISTANT PROFESSOR, DEPT. OF COMPUTER SCIENCE AND ENGINEERING, AMRITSAR GROUPS OF COLLEGES, AMRITSAR.

Participated in the DataSculpt International Short-Term Training Program (STTP) in Machine Learning and Data Science Marvels Jointly Organized by the Department of IT, CSE & CSE (AI-MI)

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Prof. (Dr.) A.C. Ganguly  
Director

  
Prof. (Dr.) P.K. Prasad  
Principal

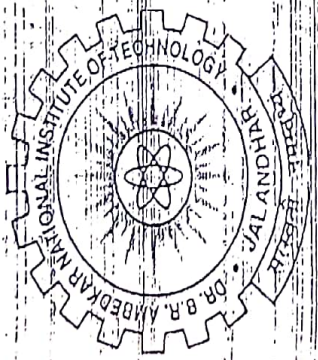
  
Dr. Santanu Modak  
Dean (Research)





NIT/JCED/SERB-FDP/AVRMS/2024/1140

# Dr B R Ambedkar National Institute of Technology Jalandhar-144008, Punjab, India



## Certificate for Participation

This certificate is presented to

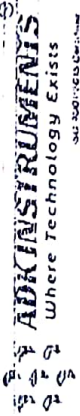
*Deepinderjeet Kaur*

for participating at the Five-day FDP cum workshop on "Water Resources Management & Hyvial Hydraulics - Steep Mountain Streams" co-sponsored by CRG-SERB Govt of India under Scientific Social Responsibility activity hosted by the Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144008, India from March 27th to March 31st, 2024.

Dr Mahesh Patel  
(Coordinator)

Dr Kamsh Kapoor  
(Coordinator)

Sponsored by:





Dr B R Ambedkar National Institute of Technology

Jalandhar 144008, Punjab, India

Certificate for Participation

This certificate is presented to

Safia Sharma

participating at the five-day FDP cum workshop on "Water Resources Management & Fluvial Morphology in Mountain Streams" co-sponsored by CRG SERB Govt of India under Scientific Social Responsibility Scheme of Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India, from March 27th to March 31st, 2024.

[Signature]

Dr Mahesh Patel  
(Coordinator)

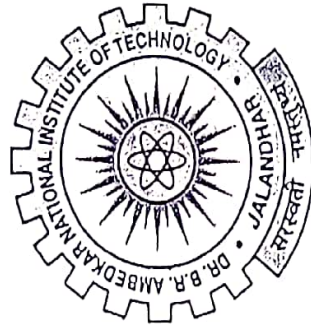
[Signature]

Dr Kanish Kapoor  
(Coordinator)



# Dr B R Ambedkar National Institute of Technology

Jalandhar-144008, Punjab, India



## Certificate for Participation

This certificate is presented to

*Rama Sharma*

For participating at the Five-day FDP cum workshop on "Water Resources Management & Fluvial Hydraulics in Steep Mountain Streams" co-sponsored by CRG SERB Govt of India under Scientific Social Responsibility activity hosted by the Department of Civil Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab, 144008, India, from March 27th to March 31st, 2024.



Dr Mahesh Patel  
(Coordinator)



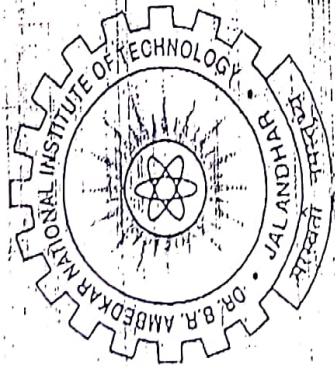
Dr Kanish Kapoor  
(Coordinator)

Sponsored by:





# Dr B.R Ambedkar National Institute of Technology Jalandhar-144008, Punjab, India



## Certificate for Participation

This certificate is presented to

Palak sharma

for participating at the five day FDP cum workshop on "Water Resources Management & Physical Hydraulics a Steep Mountain Streams" co-sponsored by GRG-SERB Govt of India under Scientific Social Responsibility activity hosted by the Department of Civil Engineering, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab, 144008, India, from March 27th to March 31st, 2024.

*(Signature)*

Dr Mahesh Patel  
(Coordinator)

*(Signature)*

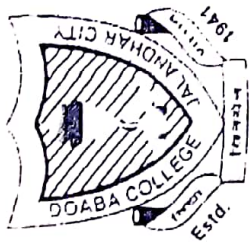
Dr Kanish Kapoor  
(Coordinator)



ADK INSTRUMENTS  
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Certificate No.: DC/2023/17

# DOABA COLLEGE, JALANDHAR

Re-accredited 'A' Grade by NAAC (Cycle-II), College with Potential for Excellence (CPE), Star College Status by DBT, Govt. of India

## P.G Department of Political Science Organises

### ICSSR North Western Region Sponsored National Seminar Punjab Assembly Election 2022: Reflections on Leadership, Caste, Identity & Issues of Governance

This is to certify that Dr. / Mr. / Ms. *HARDEEP.....SINGH.....*  
has Participated/presented paper/ chaired technical session/ delivered keynote address/ delivered  
valedictory speech entitled...."*EXAMINING THE FARMERS' MOVEMENT IN PUNJAB: AN  
EXTENSIVE LITERATURE REVIEW*"..... in the National Seminar

Organised by PG Department of Political Science, Doaba College, Jalandhar on 29th July, 2023.

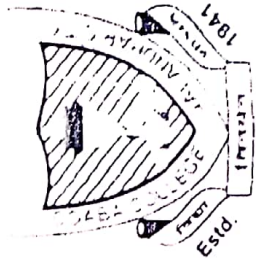
Dr. Vinay Girotra  
HoD

Dr. Nirmal Singh  
Seminar Convener

Dr. Pardeep Bhandari  
Principal







# DOABA COLLEGE, JALANDHAR

Re-accredited 'A' Grade by NAAC (Cycle II), College with Potential for Excellence (CPE), Star College Status by DIT, Govt. of India


## P.G Department of Political Science Organises


ICSSR North Western Region Sponsored National Seminar

### Punjab Assembly Election 2022: Reflections on Leadership, Caste, Identity & Issues of Governance

This is to certify that Dr. / Mr. / Ms. POOJA PURI.....  
has Participated/presented paper/ chaired technical session/ delivered keynote address/ delivered valedictory speech entitled..... "ELECTORAL REFORMS IN INDIA: ISSUES AND CHALLENGES..... in the National Seminar

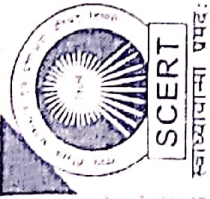
Organised by PG Department of Political Science, Doaba College, Jalandhar on 29th July, 2023

  
Dr. Vinay Girotra  
HoD

  
Dr. Nirmal Singh  
Seminar Convener

  
Dr. Pardeep Bhandal  
Principal





# STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

(An Autonomous Organization of Education Department, Govt. of NCT of Delhi)

VARUN MARG, DEFENCE COLONY, NEW DELHI -24

## National Conference on

'The Power of Entrepreneurial Education: Developing Youth Mindset for Innovation and Economic Growth'

### Certificate of Presentation

This is to certify that Dr. HARDEEP SINGH  
has presented a paper titled Empowering Teachers as Catalysts for Entrepreneurial Learning: A Comprehensive Exploration  
in National Conference on 'The Power of Entrepreneurial Education: Developing Youth Mindset for Innovation and Economic Growth' Organized by State Council of Educational Research & Training, Delhi held on 20th December, 2023 at Indraprastha Institute of Information Technology, Delhi.

DR. SAPNA YADAV  
Conference Convener

DR. NAHAR SINGH  
Joint Director, SCERT

DR. RITA SHARMA  
Director, SCERT





# Gujranwala Guru Nanak Institute of Management & Technology



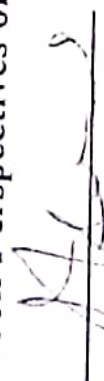
Civil Lines, Ludhiana  
International Conference


TECHNICAL EDUCATION - OPPORTUNITIES AND CHALLENGES  
ON  
16 MARCH 2024

## CERTIFICATE

It is certified that Dr./Mr./Ms. Hardeep Singh from Amritsar Group of Colleges, Amritsar, Punjab attended the international conference and presented/published the paper titled Enhancing Employability through Skill Development Initiatives: A Conceptual Study.

in the book Perspectives of Technical Education (ISBN-978-81-971588-1-0)

  
Dr. Harpreet Singh  
Principal

  
Prof. Manjit Singh Chhabra  
Director





**DWARAKA DOSS GOVERDHAN DOSS  
VAISHNAV COLLEGE**

Linguistic Minority Institution, Reaccredited with A++ Grade by NAAC  
College with potential for Excellence,  
(Affiliated to University of Madras),  
Arumbakkam, Chennai 600 106

**PG AND RESEARCH DEPARTMENT OF COMMERCE  
(SHIFT I)**

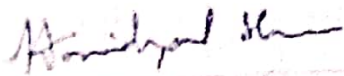
**CERTIFICATE OF APPRECIATION**

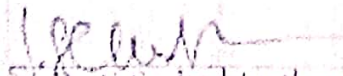
*This is to certify that*


Dr. Hardeep Singh, PROFESSOR

Amritsar Group of Colleges, Amritsar

*has actively participated and presented a paper titled*  
Empowering Innovation: A Comprehensive Exploration of Nanotechnology  
entrepreneurship for sustainable technological advancements  
*in the National Conference on*  
"Empowering Visionaries: Unleashing the  
Spirit of Entrepreneurship"  
*held on 8th & 9th February, 2024.*

  
Dr. Hardeep Singh  
Organising Secretary

  
Dr. S. Seetharaman  
Head of the Department  
& Seminar Director

  
Capt. Dr. S. Santhosh Babu  
Principal & Convener

Paper code: 24E193



AQUILAE

