



### 3.7.1.1: Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

#### Index - 2020-2021

Sr.No.	Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Duration	Purpose of MOU/Collaboration	List the actual activities under each MOU year-wise	Page No.
1.	2020-2021	MSME Technology Centre, Central Institute of Hand Tools, Jalandhar	Perpetual	Academic and Industry training program	Students visit to central institute of Hand and Tools	<a href="#">1</a>
2.	2020-2021	Dayanand College, Ajmer	Perpetual	Agriculture Extension activities	Visit of BSc Agriculture students	<a href="#">2</a>
3.	2020-2021	Hans Raj Mahila Maha Vidyalaya, Jalandhar	Three years	Academic Collaboration	Guest lecture at HMV by Dr Sapna Sethi	<a href="#">4</a>
4.	2020-2021	Associated Chambers of Commerce & Industry of India (ASSOCHAM), New Delhi	Three years	To promote communication and information exchange through announcements in journals, websites and other communication modes.	International Education Leadership and Skill Development Summit.	<a href="#">6</a>
5.	2020-2021	University of Allahabad	Perpetual	Research Collaboration	Publication	<a href="#">11</a>



# DAV UNIVERSITY

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6.	2020-2021	Panjab University	Perpetual	Research Collaboration	Publication	<u>12</u>
7.	2020-2021	Liaoning Technical University	Perpetual	Research Collaboration	Publication	<u>13</u>
8.	2020-2021	National Institute of Technology Srinagar	Perpetual	Research Collaboration	Academic Research	<u>14</u>

# A report on



## MEMORANDUM OF UNDERSTANDING

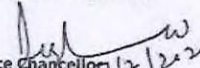
BETWEEN  
DAV UNIVERSITY, JALANDHAR  
AND

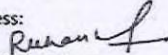
MSME TECHNOLOGY CENTRE, CENTRAL INSTITUTE OF HAND TOOLS, JALANDHAR  
AGREEMENT


This agreement is made between the DAV University, Jalandhar, and MSME Technology Centre, Central Institute of Hand Tools Jalandhar on date 07-02-2020, which both the parties accordingly hereby enter into Memorandum of Understanding, as set out in the following:

1. Would arrange guest lecturers from DAV University, Jalandhar and Central Institute of Hand Tools, Jalandhar to broaden understanding and vice-versa.
2. Would organize joint Workshop/Seminar in the field of technical education and industrial training to promote innovation and optimization of resources, penetration in frontier areas and allied issue of mutual interest.
3. Would ensure that minimum 250 students per year are given training through CIHT, related to skill enhancement, entrepreneurship development and various other schemes related to Government of India.
4. Would encourage and facilitate co-operation between individuals on one to one basis, and exchange of faculty between DAV University and CIHT to improve the quality of training.
5. Would encourage DAV University & CIHT to undertake joint projects to solve industrial problems.
6. Would jointly plan continuing education programme to keep the practicing engineers, entrepreneurs and faculty abreast of development in their respective fields.
7. Would exchange information and the data on training and skills requirements, their, relationship to emerging industrial matters relating to training and skills development.
8. Work together in matter relating to training and education relevant to the changing technological needs including design development, implementation, review of the curriculum and the resource material.
9. Would arrange visits of students, faculty to industrial units, engineers and managers from industry to DAV University to increase interaction subject to mutual convenience.
10. Would promote participation of official of the Institute and head of Institution in the activities & meetings on skill enhancement, knowledge sharing and entrepreneurship development.
11. Will review half yearly the status of the memorandum and adopt steps and measure necessary to strengthen the objectives of the memorandum.

**Authorized Signatory:**

  
Vice Chancellor 12/2/20  
DAV University, Jalandhar

**Witness:**  
  
Dr. Rajesh Khanna  
HOD- M.E. & Coordinator- UIL Cell  
DAV University, Jalandhar

  
Principal Director 7/2/2020  
Central Institute of Hand Tools, Jalandhar

  
P.K. Verma  
Deputy Director (Admn & Training)  
Central Institute of Hand Tools, Jalandhar

Our University has a Memorandum of Understanding with various organizations to execute the activities for student's welfare.

**ATTESTED**  
  
Registrar  
DAV University, Jalandhar

# PROPOSAL OF COLLABORATION

Between

DAV University, Sarmastpur, Pathankot National Highway

Distt. Jalandhar (Panjab)

And

Dayanand College Ajmer, Rajasthan

(In respect of the Department of Agriculture) in the following areas:

**1. Faculty exchange and guest lecture programs**

Faculty members from either side may visit the each other's institutes to work and deliver lectures in the areas of teaching and research. Arrangements for travel and stay for the visiting faculty can be finalized after further discussions.

**2. Submission and execution of collaborative research and research projects**

Researchers from both sides. Based on their interests will be allowed to submit and / or execute a research project by getting international /national /in-house financial assistance. The lab infrastructure may also be shared on mutual basis.

**3. Sharing of knowledge and technology transfer**

Intellectual ideas and technology generated will be shared in different areas like plant improvement and sharing of plant genetic resources etc. for the betterment of farming community. Researchers from both sides can collaborate to write and publish research/review articles, book chapters and/or books. Both the institutions can organize national/international conferences, workshops. FDPs and training and orientation programs etc.

**ATTESTED**  
  
**Registrar**  
**DAV University, Jalandhar**

#### 4. Seminar/webinar series

A seminar/ Webinar series will be conducted to enlighten the faculty and students about the latest developments in the selected areas by joint efforts.

#### 5. Sharing of Resources

Plant genetic resources and experiments of the both the organizations will be shared for better research output and for conducting the multi-location trials under different research themes like crop productivity and stress tolerance etc.

#### 6. Extension activities

The Joint agricultural extension activities will aid better technology transfer from the labs to the farmer fields. For this on farm trainings/demonstrations can be conducted for the farmers.

#### 7. Research students exchange programs

Research students from both the organizations can visit each other's laboratories/farm to carry out a part of their research work or analysis thereof.

#### 8. Jointly proposing and conducting new short term skill development programmes

Both the institutions can join hands in proposing and conducting new short term skill development programmes at either for the campuses and will help each other in doing so. The conflicts of interest if any can be decided by the mutual consultations.


Registrar  
DAV University,  
Jalandhar



2

ATTESTED

Registrar  
DAV University, Jalandhar

  
27/7/2020  
Principal  
Dayanand College,  
Ajmer, Rajasthan  
(Dr. Laxmi Kant)  
Principal  
DAYANAND COLLEGE, AJMER



# DAV UNIVERSITY

Jalandhar - Pathankot Highway (NH 44). SARMASTPUR - 144 012, Jalandhar, Punjab, INDIA  
Tel. : +91 -181- 2708845, E-mail: registrar@davuniversity.org  
www.davuniversity.org

Ref. No.....

Dated 6/8/2020

## Letter of Understanding for Academic Collaboration

This Letter of Understanding (hereinafter called as the 'LOU') is entered into on this day the 6th August Two Thousand and Twenty, for 3 years by and between

Hans Raj Mahila Maha Vidyalaya, Jalandhar represented herein by its Principal (herein after referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors-in-office, administrators and assignees).

AND

DAV University, Sarmastpur, Pathankot National Highway Distt. Jalandhar (Punjab) Second Party, and represented herein by its Managing Director (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assignees).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')as

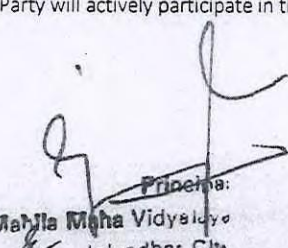
### WHEREAS:

- First Party is a Higher Educational Institution named:  
Hans Raj Mahila Maha Vidyalaya, Jalandhar
- First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- The Parties intent to cooperate and focus their efforts on cooperation for Skill Based Training, Research and Development in the field of Communication skills.
- Both Parties, being legal entities in themselves desire to sign this LOU for advancing their mutual interests.
- DAV University, Jalandhar the Second Party is engaged in language training and implementing of communication skill in their curriculum.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS LOU, THE PARTIES HERE TO AGREE AS FOLLOWS:

- The Second Party will provide information to First Party about the recent trends and help in updation/creation of the syllabus as and when required.
- Both the parties will cooperate with each other and from time to time enter into mutual agreements, the terms of which will be mutually agreed upon and duly signed.
- The Second Party will provide internship opportunities to the students of the First Party and the students will also be allowed to visit the organization under the guidance of the field experts of the Second Party.
- The First Party, however, will provide access to the Laboratories and training centres to the Second Party for carrying out any training programme whatsoever for the Second Party.
- Both the parties mutually agree to carry out Research and Development in the field of Communication Skills.
- If at any point of time, the Second Party wishes to hold training programme to bridge the skill gap, the First Party will provide required training and infrastructure.
- The Second Party agrees to send the experts for guest lectures.
- The Second Party will assist the First Party in training the faculty as per industry requirements.
- The Second Party will actively participate in the placement of the students of First Party where and when possible.

Page 1 of 2

  
Principal:  
Hans Raj Mahila Maha Vidyalaya  
Jalandhar City



**ATTESTED**  
  
Registrar  
DAV University, Jalandhar



# DAV UNIVERSITY

Jalandhar - Pathankot Highway (NH 44). SARMASTPUR - 144 012, Jalandhar, Punjab, INDIA  
Tel. : +91 -181- 2708845, E-mail: registrar@davuniversity.org  
www.davuniversity.org

Ref: No.....

Dated .....

- The parties will keep each other informed about potential opportunities and share required information.
- Both the parties will attain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the programme on the terms specified herein.
- There is no financial commitment on part of First Party to take up any programme mentioned in the LOU. If there is any financial consideration, it will be dealt with separately.

This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period DAV University, Jalandhar the Second Party, as the case may be, will take effective steps for implementation of this LOU. Any act on the part of DAV University, Jalandhar the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this LOU.

Both Parties may terminate this LOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

It is expressly agreed that Hans Raj Mahila Maha Vidyalaya i.e. First Party and DAV University, Jalandhar i.e. Second Party are acting under this LOU and the relationship established under this LOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this LOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

First Party  
Principal, Hans Raj Mahila Maha Vidyalaya  
Jalandhar

Second Party  
DAV University,  
Jalandhar



**AGREED:**  
For Hans Raj Mahila Maha Vidyalaya **Principal**  
Authorized Signatory **Hans Raj Mahila Maha Vidyalaya**  
Jalandhar City

For DAV University, Jalandhar  
Authorized Signatory

Name of Institution	Name of Institution
Hans Raj Mahila Maha Vidyalaya Mahatma Hans Raj Marg, Jalandhar	DAV University
0181-2253710, 2204198	Sarmastpur, Pathankot National Highway, Distt. Jalandhar (Punjab)
hmv_jal@yahoo.co.in	Vc@davuniversity.org
Web: www.hrmmv.org	Phone No : 0181-2708848

**ATTESTED**

**Registrar**  
**DAV University, Jalandhar**



**Memorandum of Understanding**  
**Between**  
**Associated Chambers of Commerce & Industry of India**  
**(ASSOCHAM), New Delhi**  
**And**  
**DAV University Jalandhar**

**About ASSOCHAM –**

ASSOCHAM is the oldest apex chamber of India started its endeavour of value creation for Indian industry in 1920. Having in its fold more than 100 National Councils, National and State chambers, Trade Associations and serving more than 4 lakh direct and indirect members from all over India.

**About GEM -**

ASSOCHAM has taken a Green Initiative to care for the Mother Earth and executes the "GEM Sustainability Certification Program" with the objective to complement in India's Sustainability Movement and take it to the next level to promote environment friendly green building design and construction.

GEM has been designed for the sustainable design and development of the buildings and related developments. GEM stands for **Green and Eco-friendly Movement**.

The program includes Sustainability, Energy and Water Efficiency, Fire and life safety, Indoor Air Quality, Daylight, Fresh Air and Human Comfort and is based upon BEE ECBC 2017 and NBC 2016.

Since launch, GEM Rating System has made rapid strides in Green Building which covers projects across India and many GEM Certified Professionals. ASSOCHAM GEM has regional chapters in Punjab, Rajasthan Gujarat and UP.





ASSOCHAM is an organisation to empower Indian enterprises by inculcating knowledge in the global market, propagating Green building through GEM (Green and Eco- friendly Movement) and spread education and awareness of trends of Green and Sustainable Habitat through seminars, workshops and course programs at various venues across India.

#### **About DAV University -**

DAV University at Jalandhar traces its roots to the legacy that has been reforming and redefining India's educational scenario for 134 years. The university is the culmination of the movement that started with the founding of the first DAV institute to propagate the ideals of the religious and social reformer Swami Dayanand Saraswati in Lahore on June 1, 1886. Lala Hansraj was its first Honorary Headmaster.

Now, the DAV movement has grown to become the single largest non-governmental educational society in the country managing 900 Institutions and shaping the careers of youth in India. It employs over 50,000 people and educates more than 20 lakh students every year.

DAV University is a multi-disciplinary institution, home to faculties of teaching excellence in subjects from engineering technology to languages and history to life sciences. The university encourages interdisciplinary study and believes that all areas of study can inform and enrich each other.

Since DAV University aims academic excellence, its curriculum conforms to that of the world's very best universities. This institution is set to become a global hub in education, research and placement of the students.

In 2013, The Associated Chambers of Commerce and Industry of India (ASSOCHAM) awarded 40 institutions for its exemplary contribution to quality education for an employable workforce to harness its

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**Registrar**  
**DAV University, Jalandhar**



demographic dividend and to cater the need of industry. ASSOCHAM awarded DAV College Managing Committee with 'Best Chain of Schools in India' award.

GEM-ASSOCHAM and DAV University Jalandhar enter into this Memorandum of Understanding (MoU) with the following objectives:

1. Promote communication and information exchange between the organizations and their respective members through announcements in journals, websites and other communication modes.
2. Encourage participation at official meetings through formal participation by the other organization as often as possible. Members of one organization can attend conferences and general meetings of each other organizations.
3. Promote the knowledge of standard development activities in India and abroad as applicable.
4. Promote the co-operation between GEM-ASSOCHAM technical committees and DAV University standing committees and Task Forces.
5. Jointly organize training and educational seminars and other educational activities when appropriate.
6. Mobilizing participations of students and members in each other program.
7. Cooperation in the development and participation in conferences and exhibitions globally which may be mutually beneficial and which strengthen the bonds of national and International cooperation between the organizations and their respective members.

The MoU will take effect from the date it is signed by representatives of both the parties. It will remain valid for 3 years and may be continued thereafter after suitable review and agreement. Either party may terminate MoU by giving written notice to the other party three months in advance.

3 | Page

**ATTESTED**

  
Registrar

DAV University, Jalandhar



Once terminated, neither GEM-ASSOCHAM nor DAV University Jalandhar will be responsible for any losses, financial or otherwise which the other party may suffer. However, GEM-ASSOCHAM and DAV University Jalandhar will ensure all activities in progress are allowed and be completed successfully.

This MoU is signed subject to approval of the representative academic/ administrative bodies.

**Confidentiality:**

Each party hereby undertakes with the other party to maintain the confidential information in strict confidence and save as provided herein, not to divulge any of the confidential information to any third party and in addition not to communicate, indicate or suggest to any party not in the existence of negotiation under this MoU.

**Future Cooperation:**

The present MoU describes the general condition and arrangements for future cooperation between the parties. The details of effective implementation of this MoU including consideration shall be jointly worked on mutually acceptable terms and conditions.

**General Terms:**

- This MoU is not intended to, and does not create any right, benefit or trust responsibility substantive or procedural, enforceable at law or equity, by either party, its officers, employees or agents against the other party, its officers, employees or agents.
- Nothing in this MOU obligates either party to commit or transfer any fund, assets, or other resources in support of projects or activities between the parties unless expressly stated in this agreement.
- Both parties take responsibility of monitoring and ensuring follow-ups. All decisions will be taken after joint discussion with mutual consent.

**ATTESTED**

  
Registrar

DAV University, Jalandhar



GEM-ASSOCHAM

Signed By Pankaj R. Dharkar

Date: 14.12.2020

Official Stamp

DAV University Jalandhar

Signed   
Vice-Chancellor  
DAV UNIVERSITY  
JALANDHAR

Date: 14.12.2020

Official Stamp

Witness 1 (ASSOCHAM Council for Green and Eco-friendly Movement)

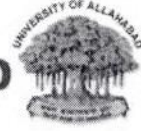
(Dr. Rajesh (Chairman))

Witness 2 (DAV University Jalandhar)

**ATTESTED**

Registrar

DAV University, Jalandhar



April 23, 2024

**To whom it may concern**

I am writing to certify that Dr. Keshav Walia, a physics department faculty member at DAV University, Punjab, has been engaged in collaborative research with me since February 2020. We are collaborating together on various research problems of Plasma Physics and Fiber Optic Sensors. I express my gratitude for Dr. Walia's unwavering commitment to our shared pursuit of scientific knowledge and innovation.

Sincerely,

Dr. Rajneesh Kumar Verma  
Associate Professor  
Department of Physics  
University of Allahabad  
Prayagraj, UP, India- 211002  
e-mail: [rkverma@allduniv.ac.in](mailto:rkverma@allduniv.ac.in)

**ATTESTED**

**Registrar**

**DAV University, Jalandhar**

**Professor R.C. Sobti**

(Padmashree Awardee)

M.Sc. (Hons. Sch.), Ph.D., D.Sc., F.T.W.A.S.,  
F.N.A., F.N.A.Sc., F.Z.S., F.N.A.A.S.,  
F.A.M.S., F.P.A.S., F.A.M.I., F.S.C.G.  
INSA Sr. Scientist

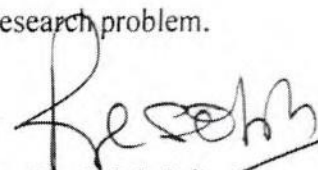
&  
Professor Emeritus  
Former Vice-Chancellor,  
Panjab University Chandigarh  
& Babasaheb Bhimrao Ambedkar  
(Central) University Lucknow



**PANJAB UNIVERSITY,  
Chandigarh, India 160 014**

**TO WHOM IT MAY CONCERN**

It is certified that Dr. Tejinder Kaur, Assistant Professor, Department of Zoology, DAV University, Jalandhar is working in collaboration with me since 2020 to "Identify and localize the enhancers involved in the axes formation of different organisms during their developmental pathways". We have together published two research papers till date on the said research problem.

  
(Dr. RC Sobti)

19/4/24

**ATTESTED**



**Registrar  
DAV University, Jalandhar**



**Liaoning Technical University**

No. 47 Zhonghua Road  
Fuxin 123000, P.R. China

## To Whom IT May Concern

It is certified that **Dr. Bandna Bharti**, Faculty member of **Chemistry** Department, DAV University Jalandhar is Collaborating with me on various research problems of Materials Science and Nanotechnology from 2021 to till date. We are working together on many research problems of cost-effective and scalable methods for synthesizing nanomaterials with controlled properties and advancing techniques to better understand the structure and properties of nanomaterials.

Xiaoliang Zhao  
Ph.D., Professor  
Liaoning Technical University  
Fuxin, 123000, P.R. China  
Phone: +86-13941892426  
E-mail: [zhaoxiaoliang2008@126.com](mailto:zhaoxiaoliang2008@126.com)

**ATTESTED**

**Registrar**  
DAV University, Jalandhar



राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR  
Hazratbal, Kashmir (J&K 190006)

No. N.I.T./P.H.Y./24/776

Dated 24-04-24

To Whom It May Concern

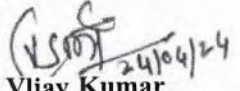
This letter serves to certify that Dr. Keshav Walia, a distinguished faculty member of the Physics Department at DAV University, Jalandhar, has been actively collaborating with me on a range of complex research endeavors in the field of Terahertz Generation since December 2021 until the present date.

Our collaboration extends across various intricate research problems pertaining to Terahertz generation, wherein we have been diligently exploring innovative solutions and advancing scientific knowledge in this domain.

Moreover, we are currently in the process of formulating plans to mentor several Master's and PhD students, fostering a nurturing environment for their academic and research growth. Additionally, we are exploring avenues for student exchange programs between NIT Srinagar and DAV University, aimed at facilitating cross-institutional learning and fostering interdisciplinary collaboration.

Dr. Keshav Walia's dedication, expertise, and commitment to advancing research in Terahertz Generation have been invaluable, and I look forward to our continued collaboration in the pursuit of scientific excellence.

Sincerely,

  
Dr. Vijay Kumar  
Assistant Professor

Department of Physics

National Institute of Technology Srinagar - 190006 (J&K)

ATTESTED



Registrar

DAV University, Jalandhar

डॉ. विजय कुमार / Dr. Vijay Kumar  
सहायक / Assistant Professor  
भौतिकी / Department of Physics  
राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर  
National Institute of Technology Srinagar  
हज़रतबल - 190006 / Hazratbal - 190006  
जम्मू और कश्मीर, भारत / J&K, India