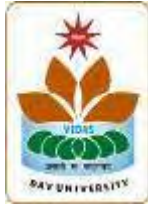




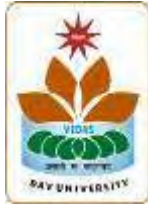
### 3.7.1.1: Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

#### Index - 2022-2023

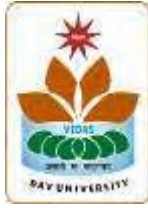
Sr.No.	Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Duration	Purpose of MOU/Collaboration	List the actual activities under each MOU year-wise	Page No.
1.	2022-2023	Karam Dairy, Jalandhar	Five years	Imparting practical on hands training in dairy and animal husbandry operations to the students of Agriculture Sciences	Visit of Student to Karam Dairy Jalandhar	<a href="#">1</a>
2.	2022-2023	DAV College Jalandhar	Five years	Promotion of Academic Interest, Sharing Library & Lab resources and organization of Workshop and Seminar	Expert talk by Dr Sapna Sethi of DAV University Jalandhar	<a href="#">4</a>
3.	2022-2023	ERP Logic India Pvt. Ltd.	Perpetual	Delivery of SAP Training program to the students	Induction Programme for students of industry collaborated Co-Op programme with SAP.	<a href="#">5</a>



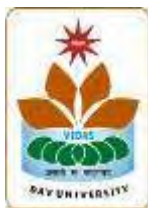
4.	2022-2023	Hans Raj College, New Delhi	Three years	Academic and Research Collaboration	Expert discussion of Administrators for setting up long term and short term goals	<u>10</u>
5.	2022-2023	Knowledge Villa Integrated Education & Welfare Society	Perpetual	Organization of Blood Donation Camp, Arrangement of Blood in the need of Hours	Blood donation camp on 15 Nov 2022	<u>11</u>
6.	2022-2023	Maruti Suzuki India Pvt. Ltd.	Perpetual	Consultation and discussion for exploring business opportunities	1. Online training session from the experts of MSIL for BBA students. 2. Offline car demonstration by the experts of MSIL for BBA students.	<u>19</u>
7.	2022-2023	NIT, Delhi	Five years	Co-operation and promotion of research and education, Exchange of academic personnel	Academic and Research activities	<u>35</u>
8.	2022-2023	Rubicon Skill Development Pvt. Ltd.	Three years	For Training students under Rubicon's lifeskills program	5 Days training on Employability Skills" under "LifeSkills" programme	<u>39</u>
9.	2022-2023	S Ajit Singh Foundation Society (The Green Sparrows Project)	Two years	To promot community service	Green Sparrow project	<u>43</u>
10.	2022-2023	M/s CEID Consultants and	Fifteen years	Waste food management :	Kitchen waste collected and	<u>49</u>



		Engineering Private Limited, Abohar, punjab		VEGETABLE WASTE/COOKE D FOOD WASTE	utilized on day to day basis from DAV University campus	
11.	2022-2023	CEID Consultants & Engineering Pvt. Ltll., Abohar, Punjab	Three Years	To provide technology to dispose waste and produce bio-fertilizers from food waste	study the impact of bioslurry on soil fertility	<a href="#">50</a>
12.	2022-2023	City Needs Innovation Pvt. Ltd.	Two years	Volunteers for Knowledge, Campus Reporter and Volunteers for Charity	Workshop on community service	<a href="#">52</a>
13.	2022-2023	Centre for invention, Innovation, Incubation and Training (CIIT), Polytechnical College, Jammu	Perpetual	Up-skilling of degree engineering students of DAV University	Internship Training at CIIT Jammu	<a href="#">63</a>
14.	2022-2023	HB Industries Unit-II, Jalandhar	Perpetual	Arrange Guest Lecture, Workshop & Seminar	Industrial Visit at HB Industry Unit II Jalandhar	<a href="#">67</a>
15.	2022-2023	INTEL	Perpetual	Inte Unnati - Data Centric Initiative for Emerging Technology ("Programe")	Intel(R) Unnati Grand Challenge - Summer 2023	<a href="#">72</a>
16.	2022-2023	Mehr chand Polytechnical College, Jalandhar	Perpetual	To make the training and education relevant to the changing technology need including design, development, implementation and review to the curriculum and the resource material	experts in Technical Fest at Mehr Chand Polytechnic College, Jalandhar	<a href="#">105</a>



17.	2022-2023	Pandit Jagat Ram Memorial FORCE Trust	Three years	Promotion of Academic Interest, Sharing Library & Lab resources and organization of Workshop and Seminar	Visit to Farms Produce Promotion Society (EAPRO) and Jal Shakti Kendra Jalandhar	<a href="#">106</a>
18.	2022-2023	Indian Pollution Control Association	One year	Academic and Research Collaboration	Talk on Environment Conservation	<a href="#">112</a>
19.	2022-2023	Cambridge University Press & Assessment India Private Limited	Perpetual	To provide learning material, english language assessment tools to the students	Workshop on Cambridge Teaching, Learning and Assessment	<a href="#">116</a>
20.	2022-2023	Dayanand Ayurvedic Colleg Jalandhar	Perpetual	To provide learning material, english language assessment tools to the students	Student visit at Dayanand Ayurvedic College	<a href="#">123</a>
21.	2022-2023	Makeintern - A Unit of Mohipuri Technologies Pvt, Ltd) Delhi	One year	Collaborating for smooth delivery of job oriented value added Trainings to the students of Pharmaceutical Department.	Two-Day's Workshop on "Entrepreneurship and Soft Skills"	<a href="#">125</a>
22.	2022-2023	Larsen & Toubro Limited,	Three years	To provide Integrated Program in Mechatronics with specialisation in Electric Vehicle Engineering	Expert lecture on "Industry led skilling opportunity for 2023 and 2024 batch	<a href="#">127</a>
23.	2022-2023	PUM Agreement- Incubation Center, DAV University	One Year	Framework Agreement to involve volunteers of PUM to provide expert advice	Support in the setting-up of the incubator center and the construction of	<a href="#">130</a>



					a sustainable ecosystem.	
24.	2022-2023	Indian Institute of Technology Guwahati	Perpetual	Research Collaboration	Academic Research	<a href="#">156</a>
25.	2022-2023	Indian Institute of Technology Roorkee	Perpetual	Research Collaboration	Academic Research	<a href="#">157</a>
26.	2022-2023	Jadavpur University	Perpetual	Research Collaboration	Publication	<a href="#">158</a>
27.	2022-2023	Daulat Ram College, University of Delhi	Perpetual	Research Collaboration	Publication	<a href="#">159</a>
28.	2022-2023	CSIR-Indian Institute of Integrative Medicine	Perpetual	Research Collaboration	Publication	<a href="#">160</a>
29.	2022-2023	Central University of Himachal Pradesh	Perpetual	Research Collaboration	Publication	<a href="#">161</a> -

**Department: Faculty of Agricultural Sciences** and Karam Dairy, Jalandhar

**Name of the Event: Visit of the students to Karam Dairy, Jalandhar**

**Date of the Event:** 21<sup>st</sup> Feb., 2023

**Teacher Coordinator:** Dr. P K Dogra, Professor (Live Stock Management) and Dr. A. H. Reddy, Assistant Professor, Faculty of Agricultural Sciences

**No. of Participants:** 37

## Report

Faculty of Agricultural Sciences, DAV University, Jalandhar organized a visit for the second-year agriculture students to Karm dairy farm, Mannan village, Jalandhar on 21<sup>st</sup> Feb., 2023. Faculty members Dr. P.K. Dogra and Dr. A.H. Reddy accompanied the students. The dairy farm owner Mr. Iqbal Singh explained the various aspects of dairy farm management. Dr. P.K. Dogra explained the identification features of different breeds of cows and buffaloes available at the farm.



Cow feeding at Gaushala



Students briefing by the manager of Gaushala

## Learning Outcomes:

1. Exposure to Practical Aspects of Dairy Farm Management
2. Understanding of Cow and Buffalo Breed Identification
3. Knowledge Sharing by Dairy Farm Experts
4. Hands-on Learning Experience for Students
5. Interaction with Industry Professionals
6. Insight into Dairy Farming as a Livelihood Option

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**Attendance of the Students**

Vikrit to Kakam Dairy Jalandhar Dated :- 21 Feb, 2023

Sr.No.	Student Name	R.No	Remarks
1.	Baldeep kaur	12100012	PL
2.	Anshika Rang	12100025	Anshika
3.	Manpreet kaur	12100045	Manpreet
4.	Pallavi Thakur	12100057	PL
5.	Himankshi	12100059	Himankshi
6.	Vikrant	12100065	Vikrant
7.	Sourav	12100066	Sourav
8.	Bandana	12100074	Bandana
9.	Shaurya Shaurya	12100099	Shaurya
10.	Gourav Singh	12100322	Gourav
11.	Vishal Singh	12100354	Vishal
12.	Tania Thakur	12100422	Tania
13.	Tamara Pari	12100476	Tamara
14.	Gurpreet Singh	12100487	Gurpreet
15.	Shivam kumar Jha	12100532	Shivam
16.	Anjali Shaurya	12100623	Anjali
17.	Shivani	12100651	Shivani
18.	Ayushi	12100753	Ayushi
19.	Yashwan kaur	12100781	Yashwan
20.	Anshika Thakur	12100813	Anshika
21.	Kaustika Thakur	12100814	Kaustika

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22.	Pallavi	12100926	Pallavi
23.	Sandeep karki	12100940	Sandeep
24.	Taniya kumari	12100953	Taniya
25.	Muskan Pari	12100967	Muskan Kaur
26.	Hemant Singh	12100970	Hemant
27.	Ashvir Singh	12100149	Ashvir
28.	Harleen	12101160	Harleen
29.	Ashish	12101216	Ashish
30.	Yogita	12101367	Yogita
31.	Parnet Singh	12101371	Parnet
32.	Sakshi Thakur	12101397	Sakshi Thakur
33.	Sahil kumar	12101398	Sahil
34.	Nadira	12101412	Nadira
35.	Shranya Sen	1201438	Shranya
36.	Rishi Mittal	1201459	Rishi
37.	Sanku Bansal	1201471	Sanku

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**An expert talk organised on "unbounding the future with nanoscience and nanotechnology" at DAV College Jalandhar by Dr Sapna Sethi, Associate Professor in DAV University, Jalandhar**

**Date of event: 20 April 2023.**

Heisenberg's uncertainty principle is the principle that explains why it is impossible to measure more than one quantum variable simultaneously which explains us quantum mechanics effects. Nanotechnology is the future and we have misconceptions which were cleared by Dr. Sapna Sethi ma'am today in her lecture and she gave a new way of thinking and approaching the topic. She defined and discussed different nanomaterial and what makes them different. She enlightened freshers with different techniques and methos known to mankind for characterization of nanomaterial. She provided the newcomers with grassroot knowledge of how and which substances are used to make nanomaterial and how carbon is the most common name in nanoworld. She concluded the session by discussing fabrication and application of nanomaterial.



Dr Sapna Delivering talk at DAV College

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**DAV University, Jalandhar**

**DAV UNIVERSITY**  
**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**  
**EVENT REPORT**

**Name of Event:** Induction programme for students of industry collaborated Co-Op programme with SAP.

**Date:** 18/9/2023

**Organized By:** DAV UNIVERSITY, Department of Computer Science Engineering, Jalandhar.

**Name of Organizer:** DAV UNIVERSITY, Jalandhar.

**Collaborating Organization:** DAV UNIVERSITY and ERP Logic India Pvt. Ltd.

**Name of Resource Person:** Mr. Mahimaidass R, Ms. Bavadharshini and Ms. Indhumati

**Number of Participants:** 30

**Brief Description of Event:**

Taking a step forward in the DAV University's partnership with multinational company SAP for the industry collaborated Co-Op programme, an induction programme has been organized for the students of B.Tech(CSE) and MBA first year SAP collaborated programme. Honorable Vice-Chancellor, Dr. Manoj Kumar welcomed the industry experts Mr. Mahimaidass R, Ms. Bavadharshini and Ms. Indhumathi in the campus and in his inaugural address he acquainted the students about the importance of the industry collaborated Co-Op programmes.

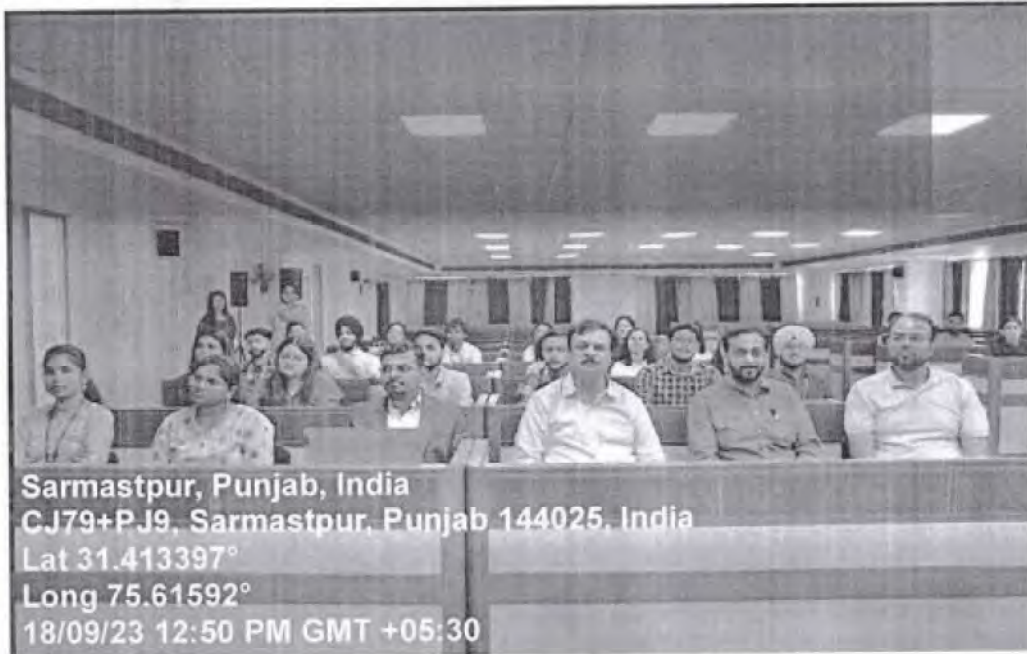
Mr. Mahimaidass R explained the students about the history of SAP and how it developed from 1972 to till date that is S/4 HANA. He also told the students regarding the various objectives of this Co-Op programme which is bridging industry-academia gap, to create a sustainable and financially independent workforce and to improve the employability. Ms. Bavadharshini and Ms. Indhumathi also addressed the students and discussed briefly regarding overview of SAP S/4 HANA and ABAP basics.

Dean CBME Dr. Gitika Nagrath, Coordinator CSE Dr. Rahul Hans, Coordinator CSA Dr. Arvind Mahindru and other faculty members were also present on the occasion.

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Participants attending the lecture



Students attending the talk of expert

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**DAV University, Jalandhar**



Sarmastpur, Punjab, India  
 CJ79+PJ9, Sarmastpur, Punjab 144025, India  
 Lat 31.413397°  
 Long 75.61592°  
 18/09/23 13:16 PM GMT +05:30

Mr. Mahimaidast delivering the talk

List of Participants

Sr. No.	RegdNo	StudentName	Department/ University
1	12300038	HARPREET KAUR	CSE,DAV University
2	12300053	KUNAL MANHAS	CSE,DAV University
3	12300056	MANPREET SINGH BHATTI	CSE,DAV University
4	12300057	ISHA	CSE,DAV University
5	12300090	VISHAV DOD	CSE,DAV University
6	12300097	BHARAT DWIVEDI	CSE,DAV University
7	12300104	TANVIR KAUR	CSE,DAV University
8	12300123	UJJWAL JARIAL	CSE,DAV University
9	12300154	AMIT KALOTRA	CSE,DAV University
10	12300160	JEEVAN KUMAR	CSE,DAV University
11	12300169	KANCHAN MANHAS	CSE,DAV University
12	12300199	NEELAKSHI KAUNDAL	CSE,DAV University
13	12300200	AASMI KAUSHAL	CSE,DAV University
14	12300207	JAHNAVI BADHAN	CSE,DAV University
15	12300243	JASLEEN	CSE,DAV University
16	12300255	VANSHIKA	CSE,DAV University
17	12300258	ANKITA	CSE,DAV University
18	12300283	RANJANA	CSE,DAV University
19	12300321	TRISHA THAKUR	CSE,DAV University

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20	12300322	RAKHI DEVI GURGRIYA	CSE,DAV University
21	12300345	KARANVEER SINGH MALPOTRA	CSE,DAV University
22	12300357	AMIT KUMAR	CSE,DAV University
23	12300362	KARAN JOHAR	CSE,DAV University
24	12300386	SUDHANSHU DADHWAL	CSE,DAV University
25	12300387	TARANGINI DAVE	CSE,DAV University
26	12300393	SAYAM	CSE,DAV University
27	12300399	NISHANT	CSE,DAV University
28	12300402	PRABHJOT KAUR	CSE,DAV University
29	12300428	HIMANSHU	CSE,DAV University
30	12300439	KAMNA MANHAS	CSE,DAV University
31	12300452	LOVELEEN KAUR	CSE,DAV University
32	12300462	ANKITA CHOUDHARY	CSE,DAV University
33	12300467	YAKEL SINGH	CSE,DAV University
34	12300511	ARVIND KUMAR	CSE,DAV University
35	12300616	SUMIT SINGH	CSE,DAV University
36	12300642	SIMARJIT SINGH	CSE,DAV University
37	12301122	AYUSH KUMAR	CSE,DAV University
38	12301165	AKSHAY PATIYAL	CSE,DAV University
39	12301280	GOPESH	CSE,DAV University
40	12301448	ABHISHEK SURYAVANSHI	CSE,DAV University
41	12300026	SATYAM	CSE,DAV University
42	12300041	MUSKAN	CSE,DAV University
43	12300086	TANISH BANSAL	CSE,DAV University
44	12300153	KUSHAL RANA	CSE,DAV University
45	12300185	DIMPLE	CSE,DAV University
46	12300194	DIKSHA BHARDWAJ	CSE,DAV University
47	12300209	VANSH	CSE,DAV University
48	12300279	BHARTI BIHAL	CSE,DAV University
49	12300310	KAUSHAL JASROTIA	CSE,DAV University
50	12300323	AMAN DADHWAL	CSE,DAV University
51	12300350	DANISH BAJJU	CSE,DAV University
52	12300441	SANKET	CSE,DAV University
53	12300466	JANBHI BHATTI	CSE,DAV University
54	12300560	MUSKAAN THAKUR	CSE,DAV University
55	12300564	ANSHUL THAKUR	CSE,DAV University
56	12300573	KHUSHI	CSE,DAV University
57	12300574	MANGALJEET SINGH	CSE,DAV University
58	12300609	KANISHKA JAIN	CSE,DAV University
59	12300709	ASMIT JAMWAL	CSE,DAV University
60	12300710	ANIKET KHANNA	CSE,DAV University
61	12300815	VANSH SALARIA	CSE,DAV University
62	12300888	CHAHAT	CSE,DAV University
63	12300936	MUSKAN	CSE,DAV University

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64	12300943	ARPITA THAKUR	CSE,DAV University
65	12300946	HARSHITA ARORA	CSE,DAV University
66	12301050	PRIYA SAINI	CSE,DAV University
67	12301073	SHIVANSH	CSE,DAV University
68	12301084	SUSHANT SINGH	CSE,DAV University
69	12301241	GAGANPAL SINGH	CSE,DAV University

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## Activity under MOU

### 1. Expert discussion of Administrators for setting up long term and short term goals

The principal of Hansraj College, Prof. (Dr.) Rama, Chancellor Dr. Poonam Suri, Director of DAV CMC Dr. J. Kackria, Vice Chancellor, Dr. Manoj Kumar and other board of management members came together for a meeting on 17<sup>th</sup> June 2023 to discuss the long term and short term goals, vision and mission for DAV University to build and strengthen the position of DAV University as one of the best place of learning in the state and in the country.



The principal of Hansraj College attending meeting



Dr. Poonam Suri interacting with delegates

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DAV University, Jalandhar

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NSS UNIT

**Title: Blood Donation**

**Date: 15.11.2022**

**Time: 9:00 AM**

**Venue: Conference Hall, DAV University, Jalandhar**

**Organised by: NSS Department, DAV University**

**Name of organiser: Dr Samriti Khosla, DAV University Jalandhar**

**Collaborating Institute: Knowledge Villa Integrated Education And Welfare Society (Kviews) Blood Bank, Amritsar**

**Name of doctor: Dr Rajpreet**

**No of participant: 175**

**Brief Description of event:**

DAV University organised a Blood Donation Camp on the University campus on 15.11.2022. Nearly 150 blood units were collected in the camp and 250 students have registered for emergency blood bank. The camp was organized in collaboration with Knowledge Villa Integrated Education And Welfare Society (Kviews) Blood Bank, Amritsar. Vice Chancellor Dr Manoj Kumar, Registrar Dr KN Kaul and NSS coordinator Dr Samriti Khosla

congratulated the donors for being a part of such a noble cause of donating blood. They also praised the NSS Unit to successfully organize the Camp in the University.

A team of doctors and other staff from NGO assisted the Unit in organising the camp. Dr Rajpreet was the incharge of Blood donation camp. Dr Samriti Khosla, Dr Lakhmir, Dr Vidya and Dr Rahul organised the camp. All units of NSS participated in the camp.

The blood donation camp was organized with the aim of collecting blood donations to meet the ongoing demand for blood in hospitals and healthcare facilities. The camp also aimed to raise awareness about the importance of blood donation and encourage more people to donate blood regularly.

The blood donation camp saw participation from a wide range of donors, including students, faculty, staff, and members of the local community. Donors were screened for eligibility based on medical criteria before donation.

**Key Activities:-**

**- Registration:** Donors were registered at the camp and their details were recorded in a database.

**- Medical Screening:** Donors underwent a medical screening to ensure they met the eligibility criteria for blood donation.

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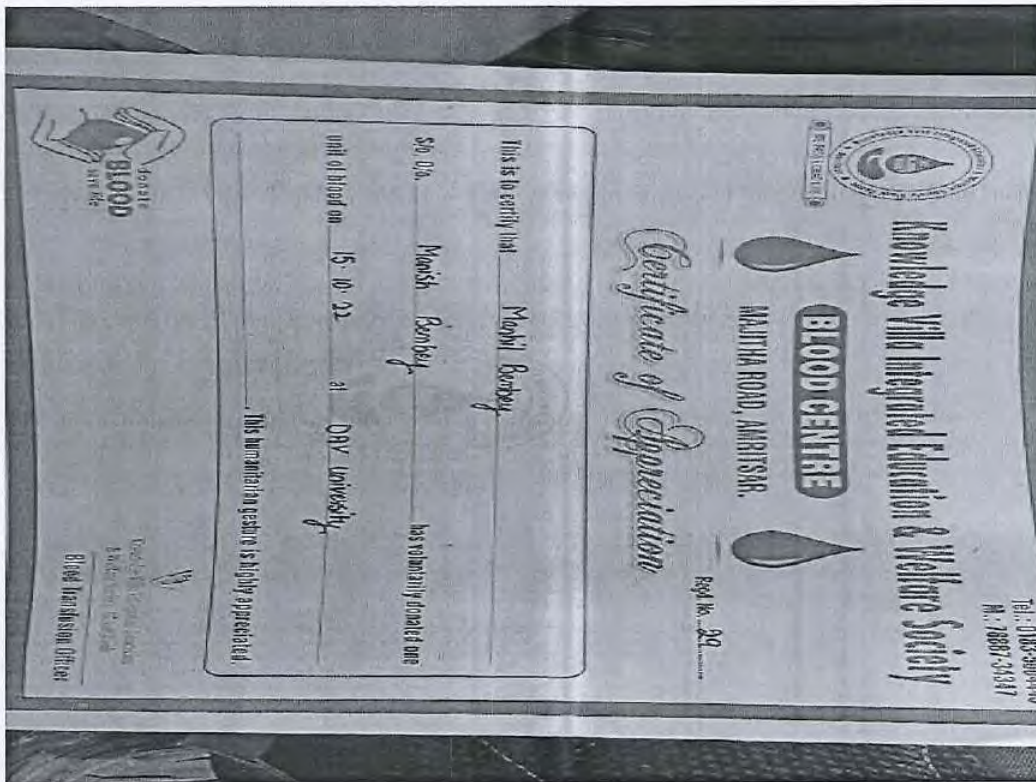


- **Blood Donation:** Eligible donors proceeded to the donation area, where trained healthcare professionals collected blood donations.

- **Refreshments:** After donating blood, donors were provided with refreshments to help them recover.

- **Awareness Campaign:** Information booths were set up to provide information about the importance of blood donation and dispel myths and misconceptions.

The blood donation camp was successful in collecting a significant number of blood donations, which will help meet the demand for blood in hospitals and healthcare facilities. The camp also helped raise awareness about the importance of blood donation and



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Students donating blood

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Student's registration for blood donation camp

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DAV University, Jalandhar

Student Duty leave Performa: NATIONAL SERVICE SCHEME

Event Name: Blood donation dated: 1st/11/22

Sr. No.	Student Name	Reg. No.	Signature
1	Manisha	12100848	Manisha
2	Palak	12100790	Palak
3	Tamanna	12100216	Tamanna
4	Abhinav	12001378	Abhinav
5	Arshdeep	12200694	Arshdeep
6	Sumant	12100451	Sumant
7	Gagan	12200313	Gagan
8	Aishrica	12100301	Aishrica
9	Riya	12100398	Riya
10	Shruti	12100278	Shruti
11	Himanshu	12201233	Himanshu
12	Abhilasha	12201366	Abhilasha
13	Vishal	12101129	Vishal
14	Saizal	12101389	Saizal
15	Namita	12000955	Namita
16	Ranjani	12000105	Ranjani
17	Sanskriti	12101472	Sanskriti
18	Aryasewita	12100052	Aryasewita
19	Nitish	11901249	Nitish
20	Aditya	12000860	Aditya
21	Jasmine	12100719	Jasmine
22	Galaxy	12100440	Galaxy
23	Astha	12101363	Astha
24	Khushi	12100833	Khushi
25	Khushboo	12101191	Khushboo
26	Prerna	12100192	Prerna
27	Vishali	12100243	Vishali
28	Sophia	12100149	Sophia
29	Simarpreet	12100304	Simarpreet
30	Adarsh	12001489	Adarsh
31	Chahat	11900998	Chahat
32	Radhika	12100964	Radhika
33	Pooja Rani	12101003	Pooja Rani
34	Namita	12000955	Namita

ATTESTED

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DAV University, Jalandhar

DAV University, Jalandhar

Student Duty leave Performa: NATIONAL SERVICE SCHEME

Event Name. Blood Donation dated: 15/11/22

Sr. No.	Student Name	Reg. No.	Signature
1	Sandeep	12100948	Sandeep
2	Arshir	12101149	Arshir
3	Ankita	11701195	Ankita
4	Alok Kumar	12001160	Alok Kumar
5	Herohit	12100970	Herohit
6	Shaurya	12101438	Shaurya
7	Yashwan	12100787	Yashwan
8	Sukhleen	12101288	Sukhleen
9	Vikrant	12100065	Vikrant
10	Vishavjeet	12100354	Vishavjeet
11	Sakshi	12101397	Sakshi
12	Baldeep	12100012	Baldeep
13	Sakshi	12201063	Sakshi
14	Diksha	12200289	Diksha
15	Parul	12201393	Parul
16	Deepasha	12201474	Deepasha
17	Chetna	12200160	Chetna
18	Prakriti	12201220	Prakriti
19	Natasha	12201041	Natasha
20	Muskaan	12100967	Muskaan
21	Sanskaar	12001034	Sanskaar
22	Akanksha	12000168	Akanksha
23	Vishakha	12000183	Vishakha
24	Sukhman	12201385	Sukhman
25	Janvi	12100111	Janvi
26	Sandeep	12000436	Sandeep
27	Aman	12200632	Aman
28	Jashan	12200019	Jashan
29	Harjap	12200704	Harjap
30	Gurpreet	12200635	Gurpreet
31	Jaskaran	12200707	Jaskaran
32	Harsh	12201083	Harsh
33	Abheet	12000987	Abheet
34	Harman	12100140	Harman

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DAV University, Jalandhar

Student Duty leave Performa: NATIONAL SERVICE SCHEME

Event Name: Blood donation dated: 15/11/22

Sr. No.	Student Name	Reg. No.	Signature
1	Ayushi	12101057	Ayushi P
2	Musiab	12101441	Musiab
3	Shahid	12101442	Shahid
4	Mehak	12100042	Mehak
5	Gautam	12100781	Gautam
6	Gaurav	12001433	Gaurav
7	Ankita	12201171	Ankita
8	Sahil	12101471	Sahil
9	Jaspreet	12200295	Jaspreet
10	Saurabh	12201191	Saurabh
11	Harsh	12200331	Harsh
12	Yogesh	12201002	Yogesh
13	Gyasu	12200100	Gyasu
14	Armaan	12200379	Armaan
15	Abhimanyu	12201190	Abhimanyu
16	Yuvraj Singh	12201112	Yuvraj V
17	Pallavi	12100057	Pallavi
18	Anjali	12100623	Anjali
19	Himanshu	12100059	Himanshu
20	Devesh	11800035	Devesh
21	Manpreet	12100045	Manpreet
22	Tania	12100953	Tania
23	Shivani	12100657	Shivani
24	Rishi	12101459	Rishi
25	Sourab	12100066	Sourab
26	Sahil	12101398	Sahil
27	Anshika	12100813	Anshika
28	Kritika	12100814	Kritika
29	Nadia	12101412	Nadia
30	Aayushi	12100753	Aayushi
31	Sharya	12100199	Sharya
32	Yogita	12101301	Yogita
33	Pavneet	12101371	Pavneet
34	Gurpreet	12100487	Gurpreet

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DAV University, Jalandhar

Student Duty leave Performa: NATIONAL SERVICE SCHEME

Event Name. Blood donation

dated: 15/4/22

Sr. No.	Student Name	Reg. No.	Signature
1	GURJOT SINGH	12000406	Gurjot Singh
2	Navneet	12100061	Navneet
3	Jaspreet	12100385	Jaspreet
4	Harleen	12100506	Harleen
5	Gurinder	12205532	Gurinder
6	Dolcy	12100193	Dolcy
7	Aman Kumar	12200632	Aman Kumar
8	Kamaljeet	12200838	Kamaljeet
9	Shivam	12100585	Shivam
10	Uttank	12100586	Uttank
11	Jasdeep	12200464	Jasdeep
12	Khushi	12100761	Khushi
13	Ritik	12100312	Ritik
14	Diksha	12100654	Diksha
15	Taranjit	12101123	Taranjit
16	Damini	12201101	Damini
17	Parth	12201100	Parth
18	Johnpal	12100157	Johnpal
19	Abhishek	12100087	Abhishek
20	Hashir	12100711	Hashir
21	Sunedh	12100166	Sunedh
22	Pankaj	12100007	Pankaj
23	Kusum	12100198	Kusum
24	Aaditya	12100352	Abhay
25	Abhay	12100489	Abhay
26	Amarjeet	12100332	Aanchal
27	Aanchal	12100432	Aanchal
28	Amarpreet	12100966	Amarpreet
29	Priya Pushpak	12100452	Priya.P
30	Inderdeep	12101268	Inderdeep
31	Aditya	12000860	Aditya
32	Alpna	11900977	Aman Chauhan
33	Aman Chauhan	12100192	Alpha

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**A report on**  
Activities under MoU No 32

- **Functional Activities under MoU:**

BBA Retail Management (In Collaboration with Maruti Suzuki India Ltd.) programme focusses on preparing students as per industry requirements. This programme broadens the professional periphery for students. The program is aimed to bridge the employability gap. It will provide students with the requisite knowledge, skills and abilities that will make them effective workforce in order to mark the beginning of a successful career in the retail automobile industry. It will provide the students an exclusive opportunity to gain hands-on experience in the real industry environment.

Offline classes and demo sessions of various Maruti car models by the MSIL trainers in DAV University campus for the teaching of the subjects (Basics of Automobile Technologies in Semester I and Maruti Products and Process in Semester II) as per the approved study scheme of BBA (Retail Management) in collaboration with MSIL. After each of the session, on the spot tests had been conducted through google link which were monitored by MSIL. After the completion of the sessions compiled performance test score sheets (First sheet after semester I & second sheet after semester II) were shared by the MSIL officials with the university.

- **Organization with which MoU is signed:** Maruti Suzuki India Pvt. Ltd. (MSIL)
- **Name of the institution/ industry visited to:** In the campus of Dav university
- **Year of signing MoU and Duration:** 28.03.2023 and valid till either party is willing to terminate
- **Date of Event:** Offline classes were held in semester I and Semester II on different dates mentioned below.

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DAV UNIVERSITY, JALANDHAR

Department of  
Commerce, Business Management and Economics



Scheme and Syllabi  
for  
Bachelor of Business Administration (BBA) – Retail  
Management  
(In Collaboration with Maruti Suzuki India Ltd.)

Batch-2023 & onwards

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DAV UNIVERSITY, JALANDHAR

Scheme of Courses- Bachelor of Business Administration (BBA) – Retail Management

(In Collaboration with Maruti Suzuki India Ltd.)

Semester I 20 Credits (10CD+ 02AE+ 03VA+05SE)  
 Semester II 20 Credits(10CD+ 03VA+ 07 SE)  
 Semester III 20 Credits (03CD+ 03 AE+ 14 SE)  
 Semester IV 20 Credits(03CD+ 03 AE+ 14 SE)  
 Semester V 20 Credits (06 CD+ 14 SE)  
 Semester VI 20 Credits (06 CD+ 14 SE)

CD = Core Discipline  
 AE = Ability Enhancement  
 SE = Skill Enhancement  
 VA = Value Added

Semester I

S. No	Course Title	In hours			Cr	Course Type
		L	T	P		
MGN101	Principles and Practices of Management	4	0	0	4	Core Discipline
MGN102	Marketing Management	3	0	0	3	Core Discipline
MGN103	Fundamentals of Retail Management	4	0	0	4	Core Discipline
ENH151	Communication Skills	1	0	2	2	Ability Enhancement
CSP191	Digital Fluency	1	0	2	2	Skill Enhancement
HVE101	Human Values and Ethics	2	1	0	3	Value Added
MGN106	Basics of Automobile Technology	3	0	0	3	Skill Enhancement
	<b>Total</b>	17	1	4	21	

L- Lectures T- Tutorial P- Practical Cr.- Credits

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**Semester2**

S. No	Course Title	In hours				Course Type
		L	T	P	Cr	
CMR105	Fundamentals of Accounting	3	0	0	3	Core Discipline
MGN104	Merchandise Planning and Buying	4	0	0	4	Core Discipline
MGN107	Introduction to Retail Store Operations	3	0	0	3	Core Discipline
EVS104	Environmental Studies	2	0	2	3	Value Added
MGN105	Maruti Product and Process	7	0	0	7	Skill Enhancement
	<b>Total</b>	19	0	2	20	

L- Lectures T- Tutorial P- Practical Cr.- Credits

**Semester3**

S. No	Course Title	In hours				Course Type
		L	T	P	Cr	
MGN221	Customer Relationship Management	3	0	0	3	Core Discipline
	Technical Report Writing	3	0	0	3	Ability Enhancement
	On Job Training (OJT)	0	0	20	10	Skill Enhancement
	Project Work-I (Auto Insurance)	0	0	8	4	Skill Enhancement
	<b>Total</b>	06	0	28	20	

L- Lectures T- Tutorial P- Practical Cr.- Credits

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Semester 4

S. No	Course Title	In hours				Course Type
		L	T	P	Cr	
MGN222	Retail Brand Management	3	0	0	3	Core Discipline
	Creative & Critical Thinking	3	0	0	3	Ability Enhancement
	On Job Training (OJT)	0	0	20	10	Skill Enhancement
	Project Work- II (Auto Finance)	0	0	8	4	Skill Enhancement
	<b>Total</b>	06	0	28	20	

L- Lectures T- Tutorial P- Practical Cr.- Credits

Semester 5

S. No	Course Title	In hours				Course Type
		L	T	P	Cr	
MGN321	Retail Marketing Research	3	0	0	3	Core Discipline
MGN322	Rural Retailing	3	0	0	3	Core Discipline
	On Job Training (OJT)	0	0	20	10	Skill Enhancement
	Project Work- III (Pre-owned vehicle Sales)	0	0	8	4	Skill Enhancement
	<b>Total</b>	06	0	28	20	

L- Lectures T- Tutorial P- Practical Cr.- Credits

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DAV UNIVERSITY, JALANDHAR

Semester 6

S. No	Course Title	In hours				Course Type
		L	T	P	Cr	
MGN323	Digital and Social Media in E-Commerce	3	0	0	3	Core Discipline
MGN324	Business Ethics and Corporate Governance	3	0	0	3	Core Discipline
	On Job Training (OJT)	0	0	20	10	Skill Enhancement
	Project Work- IV (Social Media /Digital Marketing)	0	0	8	4	Skill Enhancement
	<b>Total</b>	06	0	28	20	

L- Lectures T- Tutorial P- Practical Cr.- Credits

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Registrar  
DAV University, Jalandhar

9/14/24, 9:23 AM

DAV University, Jalandhar Mail - Regarding score of Even Sem Subject - MGN105 Maruti Product & Process AY23-25



Dean CBME & Humanities <dean.cbme@davuniversity.org>

**Regarding score of Even Sem Subject :: MGN105 Maruti Product & Process::AY23-26**

1 message

Yogesh.Srivastava@maruti.co.in <Yogesh.Srivastava@maruti.co.in>  
To: bindiadaroch@gmail.com  
Cc: coordinator.cbme@davuniversity.org, dean.cbme@davuniversity.org, Samed.Khan2@maruti.co.in

Mon, May 27, 2024 at 10:56 PM

Dear Bindia Ma'am,

Greetings !!

Please find the score of MSIL subject - Maruti Product & Process (MGN105). Score out of 25 is mentioned in column 'T' of sheet named - "Sem 2 - Test Score" in the attached file.

Thanks & Regards

Yogesh Srivastava  
Mob - 9650232615

**From:** G/Srivastava Yogesh, DM(VSST)  
**Sent:** Friday, January 5, 2024 4:50:03 PM  
**To:** Bindia <bindiadaroch@gmail.com>  
**Cc:** CBME Coordinator <coordinator.cbme@davuniversity.org>, Dean CBME & Humanities <dean.cbme@davuniversity.org>, G/Lubana Gurdeep, AGM-DPO(VSST) <Gurdeep.Lubana@maruti.co.in>  
**Subject:** Regarding score of Odd Sem Subject - MGN106 Basic Automobile Technology:AY23-25

Dear Bindia Ma'am,

Greetings !!

Please find the score of MSIL subject - Basic Automobile Technology (MGN106). Score out of 25 is mentioned in column "O".

Thanks & Regards

Yogesh Srivastava  
Mob - 9650232615

**CONFIDENTIALITY/PROPRIETARY NOTE**

This mail is governed by Maruti Suzuki India Limited's IT policy which can be referred at <https://www.maruti-suzuki.com/email-confidentiality>

DAV - BAT & MSSP Score - AY23-25.xlsx  
27K

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**DAV University, Jalandhar**

**Test Score - Basic Automobile Technologies (DAV Batch 2023-26)**

SN	Roll No.	Student Name	29-Sep-23	30-Sep-23	17-Oct-23	30-Oct-23	31-Oct-23
			BAT - Auto Industry, ARENA	BAT - Engine & S-CNG	Transmission & Systems	Safety Systems	Features & Working
1	12300054	Rajmeer Singh	19	16	18	20	14
2	12300147	Mahi Anand	16	12	17	17	12
3	12300152	Neetasha	16	17	18	16	10
4	12300219	Akanksha	16	14	16	15	15
5	12300256	Ruby Kumar	15	15	17	14	13
6	12300451	Supnya	19	14	18	15	13
7	12300473	Anshita gupta	16	17	16	18	13
8	12300502	Barbie babbar	18	15	13	18	0
9	12300532	Arshpreet singh	18	15	15	17	14
10	12300599	Jarson Malhotra	18	16	15	15	12
11	12300683	Ajay Kumar	16	15	15	17	12
12	12300728	Tej prakash kumar	18	14	17	15	15
13	12300751	Parth Kumar	18	16	18	18	12
14	12300794	NAMANDEEP SHARMA	18	15	16	0	0
15	12300796		15	13	0	0	13
16	12300839	Isha	14	6	16	18	10
17	12300845	Raneel thakur	18	17	15	18	15
18	12300879	Nitu Kumari	14	17	17	17	12
19	12301069	Meenakshi Kapoor	16	15	17	18	12
20	12301153	Love kumar	16	17	18	18	15

Note : 0 score implies candidate is absent.

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07-Nov-23 MSSP, Smart Digital Buying	20-Nov-23 Soft Skills - ARENA	28-Nov-23 Soft Skills - NEXA	Test Score (out of 20)	Attendance %	Attendance Score (Out of 5)	Total Marks (Out of 25)
18	19	20	18	100%	5	23
16	19	20	16	100%	5	21
15	19	20	16	100%	5	21
15	19	20	16	100%	5	21
15	19	20	16	100%	5	21
12	0	0	11	75%	0	11
15	19	20	17	100%	5	22
18	0	20	13	75%	0	13
0	19	20	15	88%	3	18
15	19	20	16	100%	5	21
18	19	19	16	100%	5	21
13	0	20	14	88%	3	17
19	19	20	18	100%	5	23
14	19	19	13	75%	0	13
0	0	0	5	38%	0	5
14	19	20	15	100%	5	20
14	19	20	17	100%	5	22
17	18	20	17	100%	5	22
16	19	19	17	100%	5	22
16	19	20	17	100%	5	22

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**Test Score - Maruti Products and Process (DAV Batch 2023-26)**

SN	Roll No.	Student Name	09-02-2024 Alto, Alto K10, S-	10-02-2024 Celerio, WagonR	17-02-2024 Revision, Finance	29-03-2024 Swift, Demo	30-03-2024 Loyalty Program	19-04-2024 Dzire, Ertiga, Eco	20-04-2024 Ignis, Baleno	26-04-2024 Ciaz, XL6	27-04-2024 Fronx, Hybrid
1	12300054	Rajmeer Singh	18	16	17	17	20	17	18	19	18
2	12300147	Mahi Anand	18	Absent	15	19	19	15	18	17	17
3	12300152	Neetasha	17	14	17	18	17	15	18	19	17
4	12300219	Akanksha	17	16	17	17	15	15	17	19	17
5	12300256	Ruby Kumari	17	17	17	17	16	16	17	19	17
6	12300461	Supriya	19	14	Absent	19	16	17	18	Absent	Absent
7	12300473	Anshita gupta	19	15	17	18	19	17	19	19	17
8	12300502	Barbie babbar	18	15	Absent	19	Absent	Absent	Absent	18	18
9	12300532	Arahpreet singh	19	15	Absent	18	19	18	19	19	17
10	12300599	Jaison Malhotra	19	15	17	16	19	16	17	17	Absent
11	12300683	Ajay Kumar	18	16	16	19	19	17	18	20	18
12	12300728	Tej prakash kumar	20	Absent	16	14	Absent	13	18	Absent	Absent
13	12300751	Parth Kumar	19	16	17	19	20	17	17	19	19
14	12300784	NAMANDEEP SHARMA	19	14	17	19	19	17	19	19	19
16	12300839	Isha	19	14	15	18	16	15	19	19	17
17	12300845	Raneet thakur	20	15	Absent	18	18	17	17	17	17
18	12300879	Nitu Kumari	18	17	16	19	20	17	18	20	18
19	12301069	Meenakshi Kapoor	18	16	17	18	18	16	18	19	Absent

Note: 0 score implies candidate is absent


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*(Handwritten Signature)*

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

08-05-2024 Brezza, Revision	10-05-2024 Suzuki AllGrip,	11-05-2024 Jimny, Invicto	Test Score (out of 20)	Attendance %	Attendance Score (Out of 5)	Total Marks (Out of 25)
17	17	17	18	100%	5	23
15	20	17	17	92%	4	21
16	17	16	17	100%	5	22
16	18	17	17	100%	5	22
17	18	17	17	100%	5	22
15	19	18	17	75%	0	17
16	19	18	18	100%	5	23
15	19	18	18	67%	0	18
17	19	18	18	92%	4	22
16	19	19	17	92%	4	21
17	18	20	18	100%	5	23
15	20	18	17	67%	0	17
17	18	17	18	100%	5	23
17	19	17	18	100%	5	23
17	20	16	17	100%	5	22
17	20	19	18	92%	4	22
17	19	20	18	100%	5	23
15	20	19	18	92%	4	22

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Online training sessions by experts from MSIL for the students of BBA (Retail Management)



Students attending online training sessions by experts from MSIL

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**Student attending online training sessions by experts from MSIL**

**Offline Car Demonstration sessions by MSIL experts & trainers for BBA (Retail Management) students**



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**Offline Car Demonstration sessions by MSIL experts & trainers**



**Offline Car Demonstration sessions by MSIL experts & trainers**

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**DAV University, Jalandhar**



Offline Car Demonstration sessions by MSIL experts & trainers



Offline Car Demonstration sessions by MSIL experts & trainers

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**DAV University, Jalandhar**



Offline Car Demonstration sessions by MSIL experts & trainers

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# DAV UNIVERSITY

Office of the Vice-Chancellor

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vc@davuniversity.org E-mail  
+91-181-270 8844 Fax  
www.davuniversity.org Website

No. VC/DAVU/2023/179

Dated 27.04.2023

The Director  
National Institute of Technology  
Delhi

**Subject:- Request to depute Dr. Obbu Chandershekhar, Associate Professor Electrical Engineering for R&D Interaction at DAV University, Jalandhar on May 04-05, 2023.**

Dear

This has reference to MoU between NIT Delhi and DAV University to promote various academic, research activities. As a part of the MoU, you are requested to depute Dr. Obbu Chandershekhar, Associate Professor, Electrical Engineering for R&D Interaction at DAV University, Jalandhar on May 04-05, 2023.

We will be happy to extend the local hospitality at Jalandhar on May 04-05, 2023 and he will be paid TA/DA for the visit to DAV University, Jalandhar.

With regards

(Dr. Manoj Kumar)

**ATTESTED**

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



**Dr Obbu Chandra Sekhar NIT Delhi, NIRF Ranking Visit report**

Explicit observations about the DAV :

An observation on general facilities and about the DAV University based on my visit:

**Strengths:**

Good physical Infrastructures

Very good utilizations of allotted funds.

Availability of good laboratory facility

Good sports facilities are available on campus

Availability of hostel facility for both boys and girls

Governance as per the provisions of act and statutes

Good library facility in the campus.

The Programs offered by DAV University and faculty details as follows :

S.No	Name of the program	No .of Faculty
1	ENGINEERING AND TECHNOLOGY	
	Civil Engineering	04
	Computer Science and Engineering	08
	Electrical Engineering	04
	Electronic and Communication Engineering	02
	Chemical Engineering	02
	Mechanical Engineering	06
2	BUSINESS STUDIES	23
3	SOCIAL SCIENCES	03
4	SCIENCES	43
5	LANGUAGES AND LITERATURE	09
6	AGRICULTURAL SCIENCES	27
7	Department of Education	10
8	Journalism & Mass Communication	01
9	Computer Science and Applications	09

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**DAV University, Jalandhar**

10	Physical Education and Sports	9
11	Law & Legal Studies	05

**Weakness as per NIRE Ranking Parameters:**

1. Faculty students ration (FSR) is above 30 % in majority of the programs.
2. Less number of Ph.D qualified faculty in all programs offered by the institution. As it was observed in only 30% of faculty members are having PhD qualification.
3. It was observed that faculty with doctoral qualification is concentrated is only less than 30% in the university.
4. Quality of publications and numbers of publication by individual faculty members is less than one publication for year.

For example total number of faculty members in the institution is 145, total number of publications per annum is less than 100. It means publications per faculty is less than one?

5. The total number of PhD students enrolled by the university for past three years is less than 50 (full time and part time), It show that how much importance is given by institution for research and publications.
6. No consultancy projects evident.
7. Placements, students opting for higher studies need improvement.
8. No evidence is available for higher studies joining (proof).
9. Industry institution interaction is limited.
10. Less number of sponsored projects and no evidence for patents granted.
11. In the engineering departments less number of admissions and more deviation from actual students strength and approved intake.
12. No evidences related to approved intake for different programs offered by the institution.
13. Separate audit statement is required for each program offered by university.

For example : For management department , audit statement is required separately , like amount spent for e-book purchased , Faculty salaries , Maintenance of academic infrastructure , Amount spent for lab development etc.,

14. No of students admitted under outside state is very less (Regional Diversity) :
15. Gender Diversity amongst Students: Male vs Female Enrolment percentage is less.

There is scope to participate in India ranking 2024 under following Category / Subject Domain

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**DAV University, Jalandhar**

1. University Category
2. Management Category
3. College Category
4. **Agriculture and Allied Sectors Category (New Category included from 2023 onwards)**
5. Law category

Based on the above observations from my side , It is very difficultly to get good rank in India ranking 2024.

With Regards

Dr Obbu Chandra Sekhar

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**Registrar**


**DAV University, Jalandhar**

**Annexure 1**

New Hire Training/ Personality Development/ Employability Skills				
Sr. No.	Topic	Methodology	Learning Objectives	Duration
1	Expectation setting	Role play	To learn Industry expectations from freshers	1
2	Ice breaking	Introduction	To know more about the trainer & candidates	1
3	Organizational Structure	Case study	To learn Organizational structure	2
4	SWOT Analysis	Free speech	To identify their Strength/Weakness/Opportunities/Threat	2
5	Corporate Jargons	Presentation	To learn most commonly used words in corporates	1
6	Public Speaking	Extempore	To eliminate stage fear	2
7	Presentation Skills	Power Point presentation	To articulate your thoughts through Power point presentation	2
8	E-mail Etiquette	Presentation/Mock E-mails	To learn E-mail writing skills	2
9	Grooming	Presentation/Do's & Don'ts/Role play	Dress to impress/ Proximity/ Personal hygiene/	2
10	Body language	Role play	To learn positive body language	1
11	Telephone Etiquette	Role play/Mock Calls	To handle telephonic round of interview/ To learn call mechanics	2
12	Group Discussion	Group activity	To assess candidates' public speaking skills	2
13	Personal Interview	Mock Interviews	To perform well during interviews	4
				24 Hours

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

  
**Vice Chancellor**  
**DAV UNIVERSITY**  
**JALANDHAR**



# CERTIFICATE

— OF PARTICIPATION —

THE CERTIFICATE IS PRESENTED TO:

*Mandakuriti Jaswanth*

For successfully completing 4 days training from 08<sup>th</sup> August 2023 to 11<sup>th</sup> August 2023  
on "Employability Skills" under "LifeSkills" programme organized by Rubicon  
at DAV University, Jalandhar, Punjab.

A handwritten signature in black ink, appearing to read "Dhanya".

*Dhanya Narayanan*

Chief Operating Officer

**ATTESTED**

A handwritten signature in black ink, appearing to read "Dhanya".

**Registrar**

**DAV University, Jalandhar**



# CERTIFICATE

— OF PARTICIPATION —

THE CERTIFICATE IS PRESENTED TO:

*K. Princy Bargavi*

For successfully completing 4 days training from 08<sup>th</sup> August 2023 to 11<sup>th</sup> August 2023  
on "Employability Skills" under "LifeSkills" programme organized by Rubicon  
at DAV University, Jalandhar, Punjab.

A handwritten signature in black ink, appearing to read "Dhanya", written over a horizontal line.

*Dhanya Narayanan*  
Chief Operating Officer

**ATTESTED**

A handwritten signature in black ink, written over a horizontal line.

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

## Report on Life Skill Training Program by Rubicon

**Event Name:** Life Skill Training Program

**Organizer:** DAV University in collaboration with Rubicon

**Dates:** 8th August 2023 – 11th August 2023

**Target Audience:** Pre-final & Final Year Students

In collaboration with Rubicon Life Skills Program, DAV University conducted a four-day offline workshop from 8th to 11th August 2023 to enhance the employability skills of pre-final and final-year students. The program was designed to prepare students for the job market by equipping them with essential life and professional skills. The workshop focused on improving public speaking, presentation skills, email etiquette, grooming, group discussions, and personal interview techniques. Students were also introduced to organizational structures and were guided through practical assessments to ensure real-world applicability of their learning.

### Conclusion:

The Life Skill Training Program by Rubicon proved to be an invaluable experience for the students, as it significantly enhanced their employability and prepared them for the competitive job market. With the combination of classroom training, industry visits, and post-placement support, the students gained critical life skills that will contribute to their professional success. DAV University looks forward to future collaborations with Rubicon to continue supporting student career development.



Expert from Rubicon in interactive session

**ATTESTED**  
Registrar  
DAV University, Jalandhar



DAV University V-C Dr Manoj Kumar and Green Sparrow Project founder Ramanpreet Kaur after signing an MoU.

**ATTESTED**  
*[Signature]*  
Registrar  
DAV University, Jalandhar



13<sup>th</sup> June 2023

Dainik Savera

## डीएवी यूनिवर्सिटी ने पर्यावरण संरक्षण के लिए किए समझौता झापन पर हस्ताक्षर

सवेरा न्यूज/कुरु

जालंधर, 12 जून : डीएवी यूनिवर्सिटी ने ग्रामीण क्षेत्रों में पर्यावरण संरक्षण को बढ़ावा देने के लिए अजीत सिंह फाउंडेशन के साथ एक एमओयू पर हस्ताक्षर किए हैं। एमओयू पर हस्ताक्षर डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार और अजीत सिंह फाउंडेशन की अध्यक्ष और ग्रीन स्पेस प्रोजेक्ट की संस्थापक रमनप्रीत कौर ने किए। यह साझेदारी अन्य संस्थानों और संगठनों के लिए एक मॉडल के रूप में देखी जा रही है। इस पहल का उद्देश्य विरचविद्यालय द्वारा अपनाए गए 10 गांवों में महिला सशक्तिकरण और वेस्ट मैनेजमेंट पर विशेष ध्यान देने के साथ महत्वपूर्ण सामाजिक मुद्दों का हल ढूंढना है। डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार ने कहा कि सरदार अजीत सिंह फाउंडेशन ने महिलाओं को बेकार कपड़े से बैग सिलने का प्रशिक्षण दिया। महिलाओं ने बैग बनाए और इन बैग को यूनिवर्सिटी में सेल पर रखा है। उन्होंने कहा कि यूनिवर्सिटी की चांसलर डॉ. पूनम सूरी ने भी यूनिवर्सिटी को इस पहल को सहाय है। विरचविद्यालय का कम्प्यूनिटी एंजलमेंट



समझौता झापन पर हस्ताक्षर होने पर अजीत सिंह फाउंडेशन की टीम के साथ शामिल यूनिवर्सिटी की चांसलर डॉ. पूनम सूरी, जे.का.कॉलेज, डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार तथा (नीचे) किए गए हस्ताक्षर को दिखाते हुए अजीत सिंह फाउंडेशन की अध्यक्ष और ग्रीन स्पेस प्रोजेक्ट की संस्थापक रमनप्रीत कौर य डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार। (संदीप)

सेल यह सुनिश्चित करेगा कि बेकार कपड़ा एक्ज किया जाए और अंत में सुंर वैन में बदल दिया जाए।

सेल्फ हेल्प ग्रुप द्वारा बनाए गए इन बैगों को बहुत ही कम कोमत पर बेचा जाएगा और एकाज को गई बनसारा इन ग्रुप में काम कर रही महिलाओं में बांट दी जारगी। डॉ. मनोज ने कहा कि प्रोजेक्ट वैन के उपयोगकर्ताओं के बीच पर्यावरण संरक्षण के बारे में जागरूकता भी बढ़ाएगा। करगो गांव में सेल्फ हेल्प ग्रुप की ईवाज सुरक्षा कौर ने कहा



कि यह अब अपनी आजीविका कमाने के अलावा सामाजिक कार्यों में योगदान देने के लिए तत्पर है। उन्होंने कहा कि बड़ी पहल छोटे कार्यों से शुरू होती है और उन्हें खुशी है कि इस पहल को शुरुआत हो चुकी है।

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DAV University, Jalandhar

13<sup>th</sup> June 2023

Uttam Hindu

## डीएवी यूनिवर्सिटी ने पर्यावरण बचाव हेतु किए समझौते पर हस्ताक्षर

जालंधर/विकास  
शर्मा : डीएवी  
यूनिवर्सिटी ने ग्रामीण  
क्षेत्रों में पर्यावरण  
संरक्षण को बढ़ावा देने  
के लिए स. अजीत  
सिंह फाउंडेशन के साथ  
एक एमओयू पर  
हस्ताक्षर किए हैं।  
एमओयू पर हस्ताक्षर  
डीएवी यूनिवर्सिटी के  
वाइस चांसलर डॉ.  
मनोज कुमार और



ज्ञापन पर किए गए हस्ताक्षर दिखाते गणमान्य।

सरदार अजीत सिंह फाउंडेशन की  
अध्यक्ष और ग्रीन स्पैरो प्रोजेक्ट की  
संस्थापक रमनप्रीत कौर ने किए।  
इस पहल का उद्देश्य विश्वविद्यालय  
द्वारा अपनाए गए 10 गांवों में  
महिला सशक्तिकरण और वेस्ट  
मैनेजमेंट पर विशेष ध्यान देने के  
साथ महत्वपूर्ण सामाजिक मुद्दोंका  
हल ढूंढना है।

डीएवी यूनिवर्सिटी के वाइस  
चांसलर डॉ. मनोज कुमार ने कहा  
कि सरदार अजीत सिंह फाउंडेशन

ने महिलाओं को बेकार कपड़े से  
बैग सिलने का प्रशिक्षण दिया।  
महिलाओं ने बैग बनाये और इन  
बैग्स को यूनिवर्सिटी में सेल पर  
रखा है। उन्होंने कहा कि यूनिवर्सिटी  
के चांसलर डॉ पूनम सूरी ने भी  
यूनिवर्सिटी की इस पहल को सराहा  
है। कराड़ी गांव में सेल्फ हेल्प ग्रुप  
की इंचार्ज गुरबख्श कौर ने कहा कि  
वह अब अपनी आजीविका कमाने  
के अलावा सामाजिक कार्यों में  
योगदान देने के लिए तत्पर हैं।

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DAV University, Jalandhar

12<sup>th</sup> June , 2023

Golmal & Jiwanjot Savera News

## डीएवी यूनिवर्सिटी ने पर्यावरण बचाव हेतु किये समझौता ज्ञापन पर हस्ताक्षर



ब्यूरो: डीएवी यूनिवर्सिटी ने ग्रामीण क्षेत्रों में पर्यावरण संरक्षण को बढ़ावा देने के लिए स. अजीत सिंह फाउंडेशन के साथ एक एमओयू पर हस्ताक्षर किए हैं। एमओयू पर हस्ताक्षर डीएवी यूनिवर्सिटी के वाईस चांसलर डॉ. मनोज कुमार और सरदार अजीत सिंह फाउंडेशन की अध्यक्ष और ग्रीन स्पैरो प्रोजेक्ट की संस्थापक रमनप्रीत कौर ने किये।

यह साझेदारी अन्य संस्थानों और संगठनों के लिए एक मॉडल के रूप में देखी जा रही है। इस पहल का उद्देश्य विश्वविद्यालय द्वारा अपनाए गए 10 गांवों में महिला सशक्तिकरण और वेस्ट मैनेजमेंट पर विशेष ध्यान देने के साथ महत्वपूर्ण सामाजिक मुद्दोंका हल ढूंढना है।

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डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार ने कहा कि सरदार अजीत सिंह फाउंडेशन ने महिलाओं को बेकार कपड़े से बैग सिलने का प्रशिक्षण दिया। महिलाओं ने बैग बनाये और इन बैग्स को यूनिवर्सिटी में सेल पर रखा है। उन्होंने कहा कि यूनिवर्सिटी के चांसलर डॉ पूनम सूरी ने भी यूनिवर्सिटी की इस पहल को सराहा है।



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विश्वविद्यालय का कम्युनिटी एंगेजमेंट सेल यह सुनिश्चित करेगा कि बेकार कपड़ा एकत्र किया जाए और अंत में सुंदर बैग में बदल दिया जाए। सेल्फ हेल्प ग्रुप्स द्वारा बनाये गए इन बैगों को बहुत ही कम कीमत पर बेचा जाएगा और एकत्र की गयी धनराशि इन ग्रुप्स में काम कर रही महिलाओं में बाँट दिया जायेगा। डॉ मनोज ने कहा कि प्रोजेक्ट बैग के उपयोगकर्ताओं के बीच पर्यावरण संरक्षण के बारे में जागरूकता भी बढ़ाएगा।

कराड़ी गांव में सेल्फ हेल्प ग्रुप की इंचार्ज गुरबख्श कौर ने कहा कि वह अब अपनी आजीविका कमाने के अलावा सामाजिक कार्यों में योगदान देने के लिए तत्पर हैं। उन्होंने कहा कि बड़ी पहल छोटे कदमों से शुरू होती है और उन्हें खुशी है कि इस पहल की शुरुआत हो चुकी है।

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E-mail

[www.davuniversity.org](http://www.davuniversity.org)

Website

## A report on

Activities under MoU with M/s CEID Consultants and Engineering Private Limited, Abohar, Punjab



Haath Vishwas Ka...

## CEID CONSULTANTS & ENGINEERING PVT. LTD

(Technical & Management Consultants)  
2nd floor, MARKFED Building, Vir Hooqal Rai Chowk,  
Opp. PNB Main Branch, Abohar -152116 Dist Fazilka (Punjab)  
Ph: +911634 - 500005, Fax: +911634 500006  
Mob. +919803339824, +919023369888

## To whom it may concern

This is to certify that a total of 12420 kg kitchen /garden waste has been collected from DAV University, Jalandhar during the period October 2022- June 2023.

Mr. Puru Maheshwari, Project Manager

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**DAV University, Jalandhar**



22 October 2022

## A report on

### Activities under MoU CEID Consultants & Engineering Pvt. Ltd., Abohar, Punjab

This report outlines the technology exchange initiative conducted under the Memorandum of Understanding (MOU) with CEID Consultants and Engineering Private Limited, Abohar, Punjab aimed at promoting the sustainable usage of bioslurry produced by biogas plants. The exchange focuses on best practices, innovative applications, and research developments that enhance the value of bioslurry in agriculture and environmental management.

Objectives of the Technology Exchange were Knowledge Sharing, Capacity Building, Collaboration on Research and policy Development. Under this MOU, field visits to biogas plants and agricultural sites utilizing bioslurry were organized by DAV University, Jalandhar and effective application techniques and successful case studies were demonstrated.



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Field visit by Dr Lakhmir Singh from the DAV University



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This will initiate collaborative research projects to study the impact of bioslurry on soil fertility and crop yields and help in exploration of advanced treatment processes to enhance bioslurry quality. With this activity the associated institute gained a deeper understanding of the nutrient composition of bioslurry and its benefits for sustainable agriculture. Thus, the MOU fostered stronger ties between our institutions, paving the way for future collaborations in related fields. The technology exchange under the MOU has successfully enhanced knowledge and practices related to the sustainable usage of bioslurry produced by biogas plants. By leveraging the expertise of both institutions, we can continue to promote innovative solutions that benefit agriculture and the environment. Ongoing collaboration and research will be crucial in advancing our shared goals of sustainability and effective resource management.

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**DAV University Jalandhar**

**NSS UNIT**

**Workshop on CITYNEEDS**

**Title:** Workshop on Community Service and CityNeeds Innovation

**Date:** March 17, 2023

**Time:** 11:00 AM

**Venue:** Conference Hall, DAV University, Jalandhar

**Organizing Department:** NSS Department, DAV University

**Collaborating Institute:** City Needs

**Name of Resource Person:** Dr. Maneet Deewan, Director and Co-Founder of CityNeeds

**No of participant:** 203

**Brief Description of event:**

On March 17, 2023, at 11:00 AM, the NSS Department of DAV University organized a workshop on CityNeeds Innovation, held in the Conference Hall of DAV University, Jalandhar. The workshop featured Dr. Maneet Deewan, Director and Co-Founder of CityNeeds, who provided an in-depth presentation on the platform's role in connecting local NGOs with volunteers and donors.

CityNeeds, a virtual platform, has collaborated with over 70 local NGOs and has successfully organized large-scale donation drives for essentials like food, books, blood, and clothing. Dr. Deewan's presentation aimed to illustrate the significant impact of such platforms on community service.

Dr. Samriti Khosla, NSS Incharge and Associate Professor of Physics, coordinated the event. The session included a keynote address by Dr. Manoj Kumar, Vice Chancellor of DAV University, who emphasized the importance of community service in personal and societal development.

Dr. K.N. Kaul, Registrar of DAV University, expressed gratitude to Dr. Deewan for his informative session. The event was attended by various faculty members, including Dr. Kamaljeet Kaur Sidhu (Dean Students' Welfare and Law & Legal Studies), Dr. Rekha Gaba (Associate Professor, Chemistry), Dr. Harpreet Walia (Assistant Professor, Environmental Science), Dr. Mamta (Assistant Professor, Physics), Dr. Vidya Pandey (Assistant Professor, Chemical Engineering), Dr.

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**DAV University, Jalandhar**

Akshey (Assistant Professor, Chemistry), and Dr. Sunita Paul (Assistant Professor, Agriculture), as well as NSS students from DAV University.

The workshop was a significant event in fostering awareness and engagement in community service, demonstrating the university's commitment to social responsibility.



The lamp lighting ceremony by vice-chancellor and other delegates

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# DAV UNIVERSITY

Empowering Students with 21<sup>st</sup> Century Skills

Organizes a Seminar on

## City Needs Innovations

**March 17, 2023**

at 11:00 AM

Venue : Conference Hall

Resource Person

**Dr. Maneet Dewaan**

CityNeeds to assist NGO

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DAV University, Jalandhar

Biotechnology  
Samvedna

DAV University, Jalandhar

Student Duty leave Performa

Event Name Seminar on City meed Organizing Department NSS Date 17 March 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1, L2, ..., L8)	Total no of lectures
1	Akash	12100949	Bio tech		17/3/23	L1 - L8	8
2	Muskan	12100205	Bio tech		17/3/23	11	8
3	Ahmed	12101229	Bio tech			4	11
4	Isha	12100742	Bio tech			4	4
5	Neha	12100719	Bio tech			4	4
6	Balkar	12100780	Bio tech			4	4
7	Shivani	12100581	Bio tech			4	4
8	Sumita	12100328	Bio tech			L1 - L8	4
9	Shivangi	12101461	Bio tech			4	4
10	Kamranpreet	12101483	Bio tech			4	4
11	Sujeet Yadav	12100942	Bio tech			4	4
12	Tania	12100728	Bio tech			4	4
13	Maninder	12100504	Bio tech			4	4
14	Abhija	12100427	B tech			11	4
15	Girish	12100653	B tech			11	4
16	Reet	12000217	Bio tech			L1 - L8	4
17	Nanchal	12001388	Bio tech			11	4
18	Raveena	12000070	Bio tech			4	4
19	Hiranshi	12000184	Bio tech			4	4
20	Ridham	12001029	Bio tech			4	4

Remarks (if any):

Name of Faculty Coordinator: MH

Employee ID: 10152

Signature: [Signature]

NSS coordinator: [Signature]

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[Signature]  
Registrar  
DAV University, Jalandhar

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Student Duty leave Performa

Seminar on  
Event Name City needs Organizing Department...NSS. Date 17 March, 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1,L2.....L8)	Total no. of lectures
1	Sahil	12101471	Agriculture		17/3/23	L1-L8	8
2	Jaspreet	12200295	Agriculture		"	L1-L8	8
3	Saurabh	12201191	"		"	L1-L8	8
4	Harsh	12200331	"		"	L1	1
5	Yogesh	12201002	"		"	L1	1
6	Gyotsu	12200100	"		"	L1	1
7	Ansham	12200379	"		"	L1	1
8	Abhinav	12201190	"		"	L1	1
9	Yuvraj	12201112	"		"	L1	1
10	Pallavi	12100057	"		"	L1	1
11	Anjali	12100623	"		"	L1	1
12	Himanshi	12100059	"		"	L1	1
13	Devesh	11900035	"		"	L1	1
14	Harpreet	12100045	"		"	L1	1
15	Tania	12100953	"		"	L1	1
16	Shivani	12100657	"		"	L1	1
17	Pallavi	12100926	"		"	L1	1
18	Rishi	12101459	"		"	L1	1
19	Saurabh	12100066	"		"	L1	1
20	Sahil	12101398	"		"	L1	1

Remarks (if any).....

Name of Faculty Coordinator:

Employee ID:

Signature:

MH  
10/15/2

*[Handwritten signature]*  
10/15/2

*[Handwritten signature]*  
10/15/2

NSS coordinator:

*[Handwritten signature]*

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*[Handwritten signature]*  
Registrar  
DAV University, Jalandhar

Niswarta

DAV University, Jalandhar

Student Duty leave Performa

City Needs

Event Name Seminar Organizing Department...NSS. Date 17 March, 2013

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1, L2, ..., L8)	Total no. of lectures
1	Nammeet	12100061	CBME		17/3/23	L1-L8	8
2	Jaspreet	12100385	"		"	"	8
3	Harleen	12100506	"		"	"	8
4	Gurinder	12200532	"		"	"	8
5	Doley	12100193	CBME		"	"	8
6	Aman Kumar	12200632	CBME		"	"	4
7	Kamaljeet	12200838	CBME		"	"	4
8	Shivam	12100585	"		"	"	4
9	Uttam Ti.	12100586	"		"	"	4
10	Jasdeep	12200464	"		"	"	11
11	Khushi	12100761	CBME		"	"	11
12	Ritika	12100312	CBME		"	"	11
13	Diksha	12100054	CBME		"	"	11
14	Taravjit	12101123	"		"	"	11
15	Damini	1221101	"		"	"	11
16	Parth	12201100	"		"	"	11
17	Jehmpal	12100157	"		"	"	11
18	Abhishek	12100087	"		"	"	11
19	Harshir	12100711	"		"	"	11
20	Sameer	12100166	"		"	"	11

Remarks (if any).....

Name of Faculty Coordinator:

Employee ID:

Signature:

*[Signature]*  
10020

*[Signature]*  
NSS coordinator:

*[Signature]*  
*[Signature]*

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*[Signature]*  
Registrar  
DAV University, Jalandhar

Niluwarth

DAV University, Jalandhar

Student Duty leave Performa

City Needs  
Event Name Art V..... Organizing Department...NSS. Date 7 March, 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1,L2.....L8)	Total no. of lectures	
1	Pankaj	12100007	CBME		7/3/23	L1-L8	8	Pankaj
2	Kusum	12100198	CBME		11	u	11	Kusum
3	Aadishya	12100352	u		u	u	u	Aadishya
4	Abhinav	12100489	u		u	u	u	Abhinav
5	Amrjeet	12100332	u		u	u	u	Amrjeet
6	Asmita	12100432	u		u	u	u	Asmita
7	Amrjeet	12100966	u		u	u	u	Amrjeet
8	Priya Pushpa	12100451	u		u	u	u	Priya
9	Indulekha	12101268	u		u	u	u	Indulekha
10	Aditya	12101057	u		u	u	u	Aditya
11	Mishra	12101441	u		u	u	u	Mishra
12	Shahid	12101442	u		u	u	u	Shahid
13	Abhinav	12100877	u		u	u	u	Abhinav
14	Mehak	12100042	u		u	u	u	Mehak
15	Pratima	12100781	u		u	u	u	Pratima
16	Garvansh	12001433	u		u	u	u	Garvansh
17	Kamaljeet	12200838	u		u	u	u	Kamaljeet
18	Ankita	12201171	MSC zoology		u	u	u	Ankita
19								
20								

Remarks (if any).....

Name of Faculty Coordinator: M. S. S. 101/52

Employee ID:

Signature: [Signature]

NSS coordinator: [Signature]

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[Signature]  
**ATTESTED**  
[Signature]  
Registrar  
DAV University, Jalandhar

Samagraata

DAV University, Jalandhar

Student Duty leave Performa

Event Name Seminar of City needs Organizing Department...NSS. Date 17/3/23....

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1, L2.....L8)	Total no. of lectures
1	Jashani						
2	Jarvi	12100111	CBME	A15A	17/3/23	L1-L8	8
3	Sandeep	12000436	CSA		17/3/23	L1-L8	8
4	Amaan	12000632	CBME		17/3/23	L1-L8	8
5	Shivam	12100585	CBME		17/3/23	L1-L8	8
6	Uttam	1200586	CBME		17/3/23	L1-L8	4
7	Jashan	12200019	CSA		17/3/23	L1-L8	4
8	Harijap	12200704	CSA		17/3/23	L1-L8	4
9	Gyanraj	12200635	CSA		17/3/23	L1-L8	11
10	Jankaran	12200707	CSA		17/3/23	L1-L8	11
11	Havsh	12201088	CSA		17/3/23	L1-L8	11
12	Abheet	12000987	Physical Edu		17/3/23	L1-L8	11
13	Harman	12100140	Mathematics		17/3/23	L1-L8	11
14	Mamsha	12100848	Mathematics		17/3/23	L1-L8	11
15	Palak	12100790	Mathematics		17/3/23	L1-L8	11
16	Tamanna	12100216	Mathematics		17/3/23	L1-L8	4
17	Abhinav	1200376	CBME		17/3/23	L1-L8	4
18	Arahdeep	12200694	BBA (CBME)		17/3/23	L1-L8	11
19	Sumant	12100451	Btech		17/3/23	L1-L8	11
20	Gagan	12200313	Mathematics		17/3/23	L1-L8	6

*(Handwritten signatures and names next to the table rows)*  
 Sandeep  
 Shivam  
 Uttam  
 Harijap  
 Gyanraj  
 Jankaran  
 Havsh  
 Abheet  
 Harman  
 Mamsha  
 Palak  
 Tamanna  
 Abhinav  
 Arshdeep  
 Sumant  
 Gagan

Remarks (if any).....  
 Name of Faculty Coordinator: *M. J. T. K. 2*  
 Employee ID:  
 Signature: *(Signature)*  
 NSS coordinator: *(Signature)*

**ATTESTED**

*(Signature)*  
 Registrar  
 DAV University, Jalandhar



**DAV University, Jalandhar**

**Student Duty leave Performa**

Seminar on  
Event Name City meet Organizing Department...NSS. Date: 11 March, 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1, L2.....L8)	Total no. of lectures
1	Jaspreet	12101143	BCA(CSA)		17/3/23	11-18	8
2	Shivani	12100685	BCA(CSA)		17/3/23	4-18	8
3	Savitri	12100993	CSA		17/3/23	11-18	8
4	Rushali	12100705	CSA		17/3/23	11	11
5	Himani	12100849	CSA		17/3/23	11	11
6	Aastha	12100842	CSA		17/3/23	11	11
7	Aniket	12100904	CSA		17/3/23	11	11
8	Naksh	12200853	Zoology		17/3/23	11	11
9	Minakshi	12201085	Zoology		17/3/23	11	11
10	Kritika	12101244	Bio tech		17/3/23	11	11
11	Prisanka	12100026	Bio tech		17/3/23	11	11
12	Mohak	12101171	Bio tech		17/3/23	11	11
13	Snehal	12101171	Bio tech		17/3/23	11	11
14	Ritika	12100186	Bio tech		17/3/23	11	11
15	Vaishali	12100195	Bio tech		17/3/23	11	11
16	Muskan	12100202	Bio tech		17/3/23	11	11
17	Akshita	12101176	Bio tech		17/3/23	11	11
18	Sunanda	12100665	Bio tech		17/3/23	11	11
19	Sakshi	12100807	Bio tech		17/3/23	11	11
20	Jyoti	12100995	Bio tech		17/3/23	11	11

Remarks (if any).....

Name of Faculty Coordinator: M/10/2

Employee ID:

Signature:

NSS coordinator: [Signature]

**ATTESTED**  
[Signature]  
Registrar  
DAV University, Jalandhar

DAV University, Jalandhar

Student Duty leave Performa

Event Name Seminar On City Need.. Organizing Department NSS Date 17 March, 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1, L2, ... L8)	Total no of lectures
1	Apreta	12000418	Bio-tech		17/3/23	L1-L8	8
2	Richa	12000006	Bio-tech		17/3/23	L1-L8	8
3	Mallika	12000140	Bio-tech		17/3/23	L1-L8	8
4	Ritika	120001195	Bio-tech		17/3/23	L1-L8	8
5	Simran	12000304	Bio tech		17/3/23	L1-L8	8
6	Sakshi	12001147	Zology		17/3/23	L1-L8	8
7	yatin	12000255	Physical		17/3/23	L1-L8	8
8	Nakkashi	12200883	Zology		17/3/23	L1-L8	8
9	<del>Mansabhi</del>				17/3/23	L1-L8	8
10	Meenakshi	12201085	Zology		17/3/23	L1-L8	8
11	Krutika	12200312	Zology		17/3/23	L1-L8	8
12	Akshita	12200857	Zology		17/3/23	L1-L8	8
13	Namita Pankaj	12000955	Education dept.		17/3/23	L1-L8	8
14	Nak Kumar	12001160	Agriculture		17/3/23	L1-L8	8
15	Abitya	12000860	Education dept.		17/3/23	L1-L8	8
16	Mohit	12000385	Physical edu.		17/3/23	L1-L8	8
17	Kartik	12100146	CSA		17/3/23	L1-L8	8
18	Preerna	12100192	Education		17/3/23	L1-L8	8
19	Aman Chauhan	12001239	B-tech		17/3/23	L1-L8	8
20	Abheet		Physical edu.		17/3/23	L1-L8	8

Remarks (if any):

Name of Faculty Coordinator:

Employee ID:

Signature:

*M/1015*  
*Sally*  
*Arday*  
*Ray*  
*Town*  
 NSS coordinator: *kar*

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**Registrar**

DAV University, Jalandhar

DAV University, Jalandhar

Student Duty leave Performa

Event Name Seminars of City needs Organizing Department...NSS. Date..17. March. 2023

S No	Name of student	Registration No.	Department	Section	Date	Lecture slots (e.g. L1,L2.....L8)	Total no. of lectures
1	Namita	12000955	Education		17/3/23	L1-L8	8
2	Ranjani	12000105	Education		17/3/23	L1-L8	8
3	Sanskriti	1210472	Education		17/3/23	L1-L8	8
4	Aryasmita	12100052	Education		17/3/23	L1-L8	8
5	Nritish	11901249	Education		17/3/23	L1-L8	8
6	Aditya	12000860	Education		17/3/23	L1-L8	8
7	Jashvini	12100719	Education		17/3/23	L1-L8	8
8	Garabj	12100440	Education		17/3/23	L1-L8	8
9	Ashu	12101363	Education		17/3/23	L1-L8	8
10	Khushi	12100833	Education		17/3/23	L1-L8	8
11	Khushboo	12101191	Education		17/3/23	L1-L8	8
12	Khushboo	12100154	Education		17/3/23	L1-L8	8
13	Priyanka	12100192	Education		17/3/23	L1-L8	8
14	Vishali	12100243	Education		17/3/23	L1-L8	8
15	Sophia	12100149	Education		17/3/23	L1-L8	8
16	Simpreet	12100304	Education		17/3/23	L1-L8	8
17	Adarsh	12001489	Education		17/3/23	L1-L8	8
18	Proja Rani	12101003	Education		17/3/23	L1-L8	8
19	Chahat	11900998	Education		17/3/23	L1-L8	8
20	Radhika	12100964	Education		17/3/23	L1-L8	8

*(Handwritten signatures and initials next to each row)*

Remarks (if any).....

Name of Faculty Coordinator:

Employee ID:

Signature:

*(Handwritten signatures and initials for Faculty Coordinator, Employee ID, and Signature)*

*(Handwritten signature)*  
NSS coordinator:

*(Handwritten signature)*  
1000

**ATTESTED**  
*(Handwritten signature)*  
Registrar  
DAV University, Jalandhar

**Department:** Mechanical Engineering

**Name of the Event/MOU:** Activity Report on MOU" Centre for Invention, Innovation, Incubation and Training (CIIT) Government Polytechnic College, Jammu, Directorate of skill Development, Govt of J &K UT" and Department of Mechanical Engineering, DAV University Jalandhar.

**Date of the Event:** 12th June, 2024

**Name of the Resource Person (if applicable):** Er Ajay Thapa, Lecturer Mechanical Engineering Government Polytechnic College, Jammu

**Teacher Coordinator:** Mr Ved Raj Khullar, Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

**Report:**

The Department of Mechanical Engineering, sent B Tech Mechanical Engineering students to **Centre for Invention, Innovation, Incubation and Training (CIIT) Government Polytechnic College, Jammu, Directorate of skill Development, Govt of J &K UT" for summer internship.**

Department of Mechanical Engineering pleased to announce the successful completion of a one-month industrial training program at CIIT Jammu for the Mechanical Branch students of DAV University, Jalandhar.

Department deepest gratitude extends to Vice Chancellor, Prof. Manoj Kumar Jee and department coordinator, Dr Sharanjit Singh for their unwavering support and confidence in ability to deliver training aligned with Industry 4.0 practices. Special acknowledgment goes to Mr. Ved Raj Khuller (AP), the coordinator, for his exceptional dedication and coordination.

Department would also like to commend all faculty members and Heads of Institutions for nurturing such disciplined and punctual students. Your guidance and efforts have been invaluable in shaping these young professionals.

A sincere thanks to Mr. Dheeraj and Mr. Ravi, our Subject Matter Experts at CIIT Jammu, for their diligent efforts in training these young minds. Your commitment and expertise have significantly contributed to the success of this program.

We look forward to continuing this fruitful collaboration in the future.

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

9/17/24, 10:05 AM

DAV University, Jalandhar Mail - List of B Tech Mechanical Engineering Students (DAV University Jalandhar) interested for su...



Mech. Engg. Coordinator <coordinator.me@davuniversity.org>

**List of B Tech Mechanical Engineering Students (DAV University Jalandhar) interested for summer Internship at CIIT Jammu**

Govt Polytechnic Jammu <govtpolyjammu@gmail.com>

Wed, May 29, 2024 at 1:20 PM

To: "Mech. Engg. Coordinator" <coordinator.me@davuniversity.org>

Cc: ved1018@davuniversity.org, sharaej10027@davuniversity.org, AJAY THAPA <ajay5805@gmail.com>

Hi,  
Referring to your training mail and discussion held with you, the students can start their four/six week industrial internship w.e.f. 10th of June, 2024 (Admission Form and course fee enclosed herewith).

Regarding the accommodation, the newly constructed hostel building is not yet handed over but the accommodation will be arranged for the students, and students will need to pay the accommodation charges.

For any query, feel free to contact; Er Ajay Thapa, Lecturer Mechanical Engineering (94191-45891, 70060-59994)

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**Recognitions & Approvals**



Please do not take printout unless it is necessary. Save Tree Save Earth.

**\*Confidentiality Warning:** This message and any attachments are intended only for the use of the intended recipient(s), are confidential and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return email and delete this message and any attachments from your system.

**Virus Warning:** Although the University has taken reasonable precautions to ensure no viruses are present in this email. The University cannot accept responsibility for any loss or damage arising from the use of this email or attachment.

Thanks & Regards,

Er. Anur Bangotra  
Principal  
Govt. Polytechnic Jammu  
Opposite Kafe Kendra, Birkram Chowk  
Jammu (J&K)-180004  
Telefax: 0191-2435373

2 attachments

CIET Course Fee Detail.pdf  
1430K

CIET Admission Form.pdf  
330K

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

**Geotagged Pictures of the event:**



**Students receiving the training certificate**



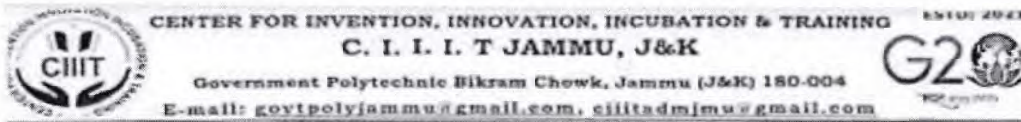
**Students in the laboratory**

**ATTESTED**

  
Registrar

**DAV University, Jalandhar**

Attendance Sheet/completion letter of Students containing name of the event, department, type of the event, date on the top of the attendance sheet.



Coordinator  
Mechanical Engineering  
DAV University Jalandhar, Punjab

No: GPJ/Est./F-737/1086-67

Date: 05-07-2024

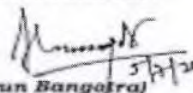
**Subject: Internship Training for B. Tech (Mechanical Engineering) students at CIIT Jammu.**

Sir,

This is certify that the following students of your institution have undergone Internship Training in Design Engineering for the duration of 04-weeks at CIIT Jammu. Their certificate will be issued later-on.

S. No	Name of the Student	Start Date of Training	End Date of Training	Duration
1.	Pardeep Kumar	12-06-2024	05-07-2024	04 weeks
2.	Jasmeet Singh	12-06-2024	05-07-2024	04 weeks
3.	Himanshu	12-06-2024	05-07-2024	04 weeks
4.	Sachin Sharma	12-06-2024	05-07-2024	04 weeks
5.	Pardeep Singh	12-06-2024	05-07-2024	04 weeks

Yours Faithfully,

  
(Er. Arun Bangotra)  
Principal  
Govt. Polytechnic Jammu

Copy to the: -

1. I/c Admission /SPoC CIIT Jammu for information.
2. Office Copy.

Website: [www.ciitjammu.in](http://www.ciitjammu.in)

**Learning Outcomes:**

1. Entrepreneurial Opportunities
2. Design and Development

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

**Department:** Mechanical Engineering

**Name of the Event/MOU:** Industrial visit Report on MOU" HB Industry Unit II Jalandhar" and Department of Mechanical Engineering, DAV University Jalandhar.

**Date of the Event:** 20th September, 2024

**Name of the Resource Person (if applicable):** Er Ajay Raj, HB Industry Unit II Jalandhar

**Teacher Coordinator:** Mr Ved Raj Khullar, Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

Dr Sumit Nijjar Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar

**Report:**

The 2nd year students of B Tech Mechanical Engineering, Department of Mechanical Engineering, DAV University Jalandhar visit to HB Industry Unit II Jalandhar.

**HB Industries Unit II** is ISO 9001:2015 Certified Company, owned by HB Group. The Unit manufactures Precision Machined Castings. HB Group is in the foundry business since 1976. HB's core competency lies in achieving material grades with greater accuracy and precision in machining to closer tolerances. The Unit is spread over an area of 70,000 sq ft with an installed monthly capacity of 1000 Metric Tonnes. The foundry plant is DISA engineered with DISA make automatic sand plant, DISA Arpa 450 machines and Disa automatic shot blast machines, Multiple Cold Box Machines, Multiple Core Shooter machines. The unit also has in house machining facilities with a wide range of machines like HMC, VMC, VTL, CNC, Broach Machines, Honing Machines, Lathes, Milling Machines & Radial drills. Quality department covers complete Sand Lab, Metallurgical Lab with Spectrometer & Image Analyser, Physical Testing Lab, CMM & wide range of checking aids. We have invested and developed a skilled, dedicated workforce with an overall focus on lean operations and waste elimination.

Product Capability: Machined Graded Castings in Ductile Iron, Cast Iron & Malleable Iron: Housing of all kinds, Flywheels, Wheels Hubs, Differential Carrier, Bearing Caps, Cages, Clutch, Actuator Guides, Shift Carrier, Pedestals, Brake Drums, Pump Body, Valves, Pipe Fittings & Scaffoldings

Department of Mechanical Engineering pleased to announce the successful and knowledgeable completion of a one-day industrial visit program at HB Industry Unit II Jalandhar.

Department deepest gratitude extends to Vice Chancellor, Prof. Manoj Kumar, Dr R K Seth Dean Science and Engineering, Department coordinator, Dr Sharanjit Singh for their unwavering support and confidence in organizing and arranging the industrial visit. Special acknowledgment goes to Mr. Ved Raj Khuller (AP) and Dr Sumit Nijjar (AP) the faculty coordinator for visit, for their exceptional dedication and coordination.

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**Registrar**

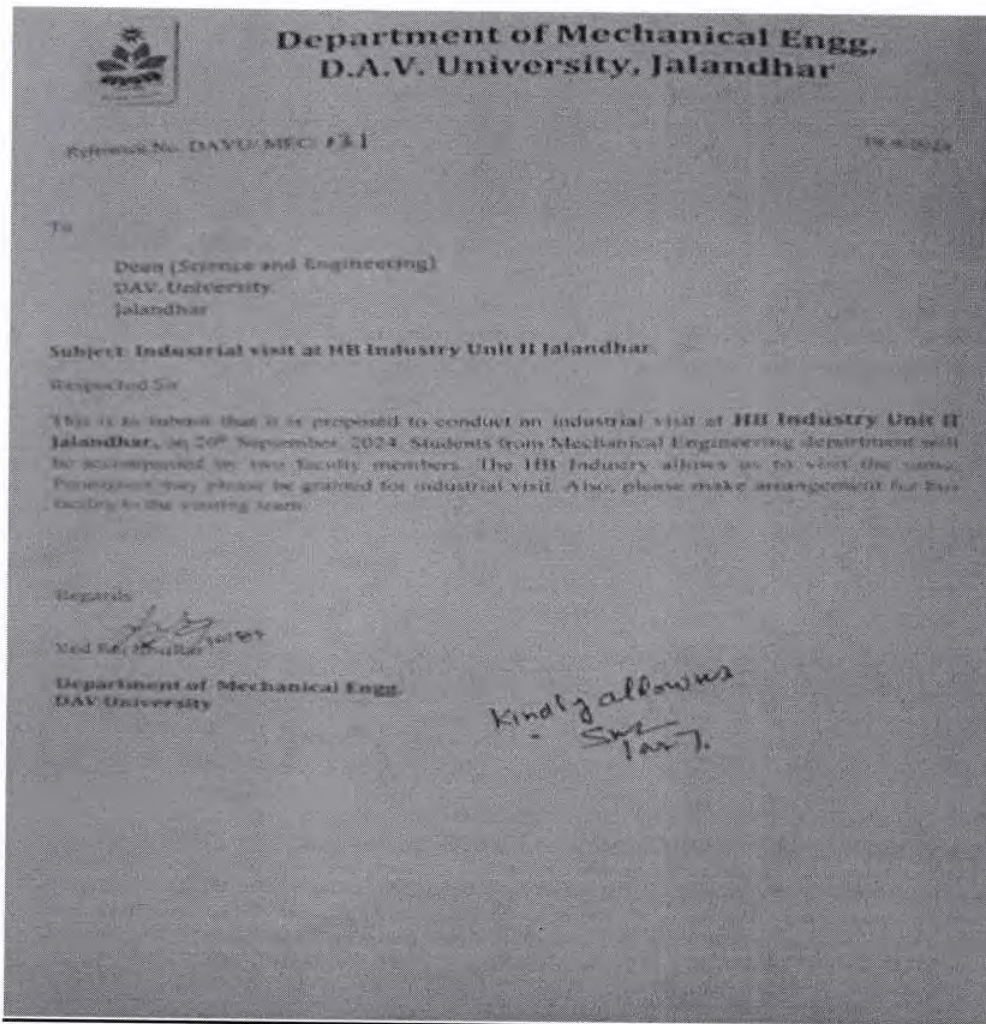
**DAV University, Jalandhar**



Department would also like to commend all shop in charge and Heads of HB Industry for nurturing such disciplined and punctual visit for students. Their guidance and efforts have been invaluable in shaping these young professionals.

A sincere thanks to Er. Ajay Raj, Plant Head at HB Industry, for their diligent efforts in training these young minds. Your commitment and expertise have significantly contributed to the success of this visit.

We look forward to continuing this fruitful collaboration in the future.



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**Registrar  
DAV University, Jalandhar**



Students visited the office of HB industries



Students visiting the forging unit of HB industries

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DAV University, Jalandhar



Students at the forging unit of HB industries



Students interacted with workers of HB industries

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Registrar

DAV University, Jalandhar

Attendance Sheet/completion letter of Students containing name of the event, department, type of the event, date on the top of the attendance sheet.

DAV UNIVERSITY, JALANDHAR  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 Date: 20/11/2020

S. No.	Name	Roll No.	Department/Institution	Year
1	Ved Singh	10197	A.P.	1999
2	Suman Singh	11186	A.P.	1999
3	Shreshth Singh	10197	A.P.	1999
4	Garvit Kaur	24017-26	B.Tech. Mechanical	2017
5	Harshdeep Singh	12120-200	B.Tech. Mech.	2017
6	Shubham Singh	12120-200	B.Tech. Mech.	2017
7	Harshdeep Singh	12120-200	B.Tech. Mech.	2017
8	Harshdeep Singh	12120-200	B.Tech. Mech.	2017
9	Harshdeep Singh	12120-200	B.Tech. Mech.	2017
10				
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21				
22				
23				
24				
25				

Total No. of attendances: 9  
 Approved Name of Approving Officer:

*(Signature)*  
 Registrar  
 DAV University, Jalandhar

- Learning Outcomes:**
1. Entrepreneurial Opportunities
  2. Design and Development

**ATTESTED**  
*(Signature)*  
 Registrar  
 DAV University, Jalandhar

**Department:** Computer Science and Application

**Name of the Event/MOU:** Invitation for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad” and Computer Science and Application, DAV University Jalandhar.

**Date of the Event:** 01 August, 2023

**Name of the Resource Person (if applicable):** NA

**Teacher Coordinator:** Dr Arvind Mahindru, Associate Professor, Department of Computer Science and Application, DAV University Jalandhar

**Report:**

The students of Department of **Computer Science and Application, DAV University Jalandhar.**, participated for **Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration** with IIIT-Hyderabad.

With more than 100 data-centric labs established in colleges across India, across a wide and growing range of emerging technologies, Intel® Unnati is changing the face of technology education in the country. By setting up an Intel® Unnati Data-Centric Lab, your institution, too, has been a part of this pathbreaking effort. Your students have the opportunity to master new technologies, thus giving them a head start as they get set to start their professional careers. But that’s not all: they are also eligible to participate in Intel® Unnati Community initiatives that are open only to colleges that have set up at least one Intel® Unnati Lab—such as Intel® Unnati Grand Challenge Summer 2023, where they can put their newly acquired knowledge and technology skills to use to address and solve high impact industry-relevant problems. The Summer 2023 edition of Intel® Unnati Grand Challenge Summer 2023, which is being conducted in collaboration with Indian Institute of Information Technology Hyderabad (IIIT-H) during July-September 2023, offers ₹2,50,000 in prizes—not to mention internships at IIIT-H for the three winners! There are two phases to Intel® Unnati Grand Challenge Summer 2023:

Phase 1: July-August 2023 •

In this phase, students will work on a Mobility dataset provided by Intel India to find solutions to specified problem statements. • Undergraduate or postgraduate students who have a CGPA of 7.0 or above can enter the Intel® Unnati Grand Challenge, either as individuals or in teams of up to 3 members, with a Faculty Guide. • Students should be familiar with Python programming and Deep Learning fundamentals. If participating as a team, the set of students must possess these tech skills between them. • Participants should complete and email their Registration Forms to intel\_unnati@intel.com on or before July 21, 2023. • All participants who satisfy the above qualification criteria will be invited for a webinar on July 31, 2023, where a team from Intel India will present guidelines and expectations. • Participants should work on and submit their solutions latest by August 14, 2023. • A panel of judges will shortlist the 10 best entries and inform the selected participants by August 18, 2023.

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DAV University, Jalandhar

Phase 2

- Shortlisted participants will be invited for a webinar on August 23, 2023, where they will be introduced to the Indian Driving Dataset (IDD) from IIIT-H that they will be working with in this phase. Guidelines and expectations for Phase 2 will be detailed during the webinar.
- Participants will have time till mid-September (date to be finalised shortly) to work on and submit their solutions.
- Participants who make their submissions by the prescribed date will be invited to an event at IIIT-H immediately thereafter (date to be finalised), where they will be asked to demonstrate their respective solutions.
- The top 3 entries selected by a jury from IIIT-H and Intel India will be announced as the winners of Intel® Unnati Grand Challenge Summer 2023 at the event.

**REGISTRATION FORM**  
 Email to [intel\\_unnati@intel.com](mailto:intel_unnati@intel.com) to reach by July 21, 2023.

**Details of the Institution**

Institution Name \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

City \_\_\_\_\_ PIN \_\_\_\_\_

**Team Details** *Each team should have a maximum of three students with one Faculty Guide.*

Name	Confirmation of Qualifications	Email ID	Mobile Number	Signature
<b>STUDENT PARTICIPANTS</b>				
1. _____	<input type="checkbox"/> PG Student <input type="checkbox"/> UG Student <input type="checkbox"/> CGPA≥7.0 _____	_____	_____	_____
2. _____	<input type="checkbox"/> PG Student <input type="checkbox"/> UG Student <input type="checkbox"/> CGPA≥7.0 _____	_____	_____	_____
3. _____	<input type="checkbox"/> PG Student <input type="checkbox"/> UG Student <input type="checkbox"/> CGPA≥7.0 _____	_____	_____	_____
<b>FACULTY GUIDE</b>				
_____	_____	_____	(+91) _____	_____

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**Learning Outcomes:**

1. Future Opportunities
2. Design and Development

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**DAV University, Jalandhar**



## Fwd: Inviting applications for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad

1 message

----- Forwarded message -----

From: **Arvind Mahindru** <[arvind10038@davuniversity.org](mailto:arvind10038@davuniversity.org)>

Date: Fri, Jul 28, 2023 at 9:29 AM

Subject: Fwd: Inviting applications for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad

To: CSA Coordinator <[coordinator.csa@davuniversity.org](mailto:coordinator.csa@davuniversity.org)>

With Regards

Dr. Arvind Mahindru

Associate Professor

Department of Computer Science & Applications

DAV University (<https://davuniversity.org/faculty/mr-arvind-mahindru>)

Jalandhar-144012, Punjab

India

Mob: +91 9041962143

Email: [er.arvindmahindru@gmail.com](mailto:er.arvindmahindru@gmail.com) **P** Please do not print

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From: **Vice Chancellor** <[vc@davuniversity.org](mailto:vc@davuniversity.org)>

Date: Wed, Jul 26, 2023 at 12:05 PM

Subject: Fwd: Inviting applications for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad

To: Arvind Mahindru <[arvind10038@davuniversity.org](mailto:arvind10038@davuniversity.org)>, rahul hans <[rahulhans@gmail.com](mailto:rahulhans@gmail.com)>, <[ridhi10169@davuniversity.org](mailto:ridhi10169@davuniversity.org)>, Hiteshwari Sabrol

<[hiteshwari10014@davuniversity.org](mailto:hiteshwari10014@davuniversity.org)>, <[sanjeev10015@davuniversity.org](mailto:sanjeev10015@davuniversity.org)>, <[naveen.bilandi@davuniversity.org](mailto:naveen.bilandi@davuniversity.org)>, <[dean.cs@davuniversity.org](mailto:dean.cs@davuniversity.org)>,

<[sanjeev10037@davuniversity.org](mailto:sanjeev10037@davuniversity.org)>

-----  
Dr Manoj Kumar

Vice-Chancellor

DAV University, Jalandhar

Jalandhar-144 012 (Punjab)

Tel: 0181-2708844

M: +91-9872203898

----- Forwarded message -----

From: **Gurpreet Singh** <[singh@edgate.in](mailto:singh@edgate.in)>

Date: Wed, 26 Jul 2023 at 11:12

Subject: Inviting applications for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad

To: Gurpreet Singh <[singh@edgate.in](mailto:singh@edgate.in)>

Dear All

**If you are a part of Intel Unnati community or will be enrolling in the next 30 days then please nominate or insist to apply your students for the Grand challenge 2023.**

We are happy to announce the next edition of the **Intel® Unnati Grand Challenge – Summer 2023, in collaboration with International Institute of Information Technology, Hyderabad (IIIT-H)**. As always, this Challenge is exclusive to colleges with Intel® Unnati Labs.

Please refer to the attached brochure for more details. Students can apply through the attached registration form.

**Key points:**

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**DAV University, Jalandhar**

Gmail - Fwd: Inviting applications for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIIT-Hyderabad

1. 📧 Students can apply in teams; maximum of 3 students per team. **Deadline for receiving registration forms: July 28.**
2. 📧 **Eligibility Criteria:** Students should have a min CGPA of 7 and be familiar with Python programming and Deep Learning fundamentals. If participating as a team, the set of students must possess these tech skills between them.
3. 🏆 **Awards:** Rs. 1 Lakh for the winning team, Rs. 50,000 for 1<sup>st</sup> Runner-up, Rs. 30,000 for 2<sup>nd</sup> Runner-up.
4. 📧 **Internships:** Top 3 teams will get internships at IIIT-H in Jan-Feb '24, where they will work on mobility projects.

Please encourage colleges and students to take advantage of this fantastic opportunity.

For any further clarification, please feel free to contact us.

With Regards,

[Gurpreet Singh|EdGate Technologies Pvt Ltd]

#479, 6th Main ,HMT Layout, R.T.Nagar,Opp. BMTC Bus Depot

Bangalore – 560 032

| Tech Support Team : 080-23535125, 23535128, Fax: 080-23535128|

|Sales & Marketing Team : 080 - 23331166 , 23531166



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#### 2 attachments

📎 Intel Unnati Grand Challenge Reg Form\_Summer 2023\_07 Jul.pdf  
634K

📎 Intel Unnati Grand Challenge Brochure\_Summer 2023\_07 Jul.pdf  
1358K

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



**Activity Report 2 for MOU 29 between**  
**Department of Computer Science and Application ,DAV**  
**University and INTEL**

**Department:** Computer Science and Application

**Name of the Event/MOU:** Invitation for Intel(R) Unnati Grand Challenge - Summer 2023, in collaboration with IIT-Hyderabad” and Computer Science and Application, DAV University Jalandhar.

**Date of the Event:** July-August, 2024

**Name of the Resource Person (if applicable):** NA

**Teacher Coordinator:** Dr Arvind Mahindru, Associate Professor, Department of Computer Science and Application, DAV University Jalandhar

**Report:**

The students of Department of Computer Science and Application, DAV University Jalandhar., participated for Intel(R) Unnati Grand Challenge - Summer 2024, in collaboration with IIT-Hyderabad.

**Learning Outcomes:**

1. Future Opportunities
2. Design and Development

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**Fwd: Invitation to participate in Intel(R) Unnati Industrial Training Program 2024**

1 message

----- Forwarded message -----

From: **Arvind Mahindru** <[er.arvindmahindru@gmail.com](mailto:er.arvindmahindru@gmail.com)>  
Date: Sat, Mar 30, 2024 at 11:02 AM  
Subject: Fwd: Invitation to participate in Intel(R) Unnati Industrial Training Program 2024  
To: CSA Coordinator <[coordinator.csa@davuniversity.org](mailto:coordinator.csa@davuniversity.org)>

With Regards  
Dr. Arvind Mahindru  
Associate Professor  
Coordinator of the Department of Computer Science & Applications  
& Head of IT and ITDC Department  
DAV University (<https://davuniversity.org/faculty/mr-arvind-mahindru>)  
Jalandhar-144012, Punjab  
India  
Mob: +91 9041962143  
Email: [er.arvindmahindru@gmail.com](mailto:er.arvindmahindru@gmail.com)  
Twitter Profile: <https://twitter.com/AMahindru>  
Linkedin Profile: <https://www.linkedin.com/in/dr-arvind-mahindru-ba56438b/>

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Every 3000 sheets of paper cost us a tree. Let's save our environment.

----- Forwarded message -----

From: **Gurpreet Singh** <[singh@edgate.in](mailto:singh@edgate.in)>  
Date: Wed, Mar 27, 2024 at 10:31 AM  
Subject: Invitation to participate in Intel(R) Unnati Industrial Training Program 2024  
To: Arvind Mahindru <[er.arvindmahindru@gmail.com](mailto:er.arvindmahindru@gmail.com)>

The banner features the Intel logo in the top left corner. The main text reads "Intel® Unnati Industrial Training Program 2024" followed by "An Intel® Unnati Community Initiative". Below this, it states: "A unique opportunity for students from Indian Colleges and Universities to work for a month on industry-relevant problems using emerging technologies under the guidance of industry mentors." Two deadlines are listed: "Participation Confirmation Deadline: 02 April, 2024" and "Student Nomination Deadline: 15 April, 2024". On the right side of the banner is a photograph of five diverse students walking outdoors, some carrying books and bags.

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**Registrar**  
DAV University, Jalandhar

Dear Sir/Ma'am

We are pleased to announce the launch of **Intel® Unnati Industrial Training Program 2024**— exclusively for Hi-Ed Institutions that have already set-up or are in the process of setting up Intel® Unnati DataCentric Labs.

Intel® Unnati Industrial Training Program was launched in 2023. Over 1,100 students entering the 2nd or 3rd years of their respective courses participated in the first edition of the Program. More than 100 faculty members acted as guides for participating students from their respective institutions. 10 problem statements were curated by industry mentors in domains like AI/ML, Digital Design with FPGAs and Data Analytics. Each student team was assigned a problem based on their interest. All teams successfully completing their projects received Industrial Training Completion Certificates upon completion of the Program.

Considering the huge success of the Program last year, and the positive feedback received from participating institutions and students, we are excited to roll out the Program this year as well. In the upcoming summer break, qualified students will have an opportunity to undergo a month-long Industrial Training under the Intel® Unnati Program. This is aligned with industrial training requirements of engineering and technology institutions, and is open to students who are in the 3rd/4th or 5th/6th semesters of their course.

### Steps to Participate

- As a first step, we request you to reply to this mail by 02 April, 2024, confirming your institution's **interest to participate** in Intel® Unnati Industrial Training Program 2024. Please include the following information
  - **Number of Students** from your institution that you would like to nominate for the Program. Please note that we will be accepting a maximum of up to **50** qualified students from an institution.
- Once we receive your participation confirmation, we will share with you link to an **Online Nomination Form**, along with a spreadsheet, to help you nominate students and Faculty Mentors. Please note that:
  - Please use the following criteria to shortlist the students:
    - Are the students enrolled in 2nd or 3rd year of their courses during AY 2024-25.
    - Students' enrolment status in AY 2024-25 (will they be in/off campus during the industrial training period). Cumulative
    - GPA (nominated students should have scores of at least 7 in a 10-point scale).
    - Internal Assessment Score (nominated students should have scores of at least 6 in a 10-point scale). If requested, we can share a Sample Assessment that you can use for your students.
  - You should also nominate Faculty Mentors, who will be responsible for guiding participating students/teams and keeping track of their progress during the training period. The Institution should assign Faculty Mentors to students that they nominate.

*Please note that Intel® Unnati team will review your nominations, and select only the students who meet the qualification criteria. The final selection decision will be at the sole discretion of Intel.*

For more information on Program components and timelines, please refer to the Box on the right.

Please reply to this mail latest by 02 April, 2024, confirming your participation in Intel® Unnati Industrial Training Program 2024. We look

### Program Flow



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**DAV University, Jalandhar**

forward to joining hands with you to equip your students for success in the digital world.

With regards

--  
For any further clarification, please feel free to contact us.

-----  
With Regards,

[Gurpreet Singh|EdGate Technologies Pvt Ltd]

#479, 6th Main ,HMT Layout, R.T.Nagar,Opp. BMTC Bus Depot

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

# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

**Abhishek Menka** from **DAV University, Jalandhar**

has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Rahul Hans**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Amritpal Singh** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Rahul Hans**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India





# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Ankur** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.

**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

**Anushka Rathour** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Knowledge Representation and Insights Generation from Structured Datasets** under the guidance of **Rahul Hans**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India





# Intel® Unnati Industrial Training – 2024

Presented with gratitude to  
**Arvind Mahindru** from  
**DAV University, Jalandhar**  
in appreciation of your role as a Faculty Mentor in  
**Intel® Unnati Industrial Training – 2024**  
held from May 2024 to July 2024.



**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

Presented with gratitude to  
**Arvind Mahindru** from  
**DAV University, Jalandhar**  
in appreciation of your role as a Faculty Mentor in  
**Intel® Unnati Industrial Training – 2024**  
held from May 2024 to July 2024.



---

**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India





# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Ashmeet Kaur** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.

**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Bhavsagar** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Rahul Hans**.

**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



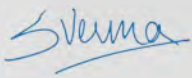
# Intel<sup>®</sup> Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

**Dilpreet Kaur** from **DAV University, Jalandhar**

has successfully completed Intel<sup>®</sup> Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Dilpreet Kaur** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

Garima from DAV University, Jalandhar

has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot under the guidance of Arvind Mahindru.



**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India



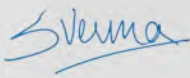
# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

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has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot under the guidance of Arvind Mahindru.



**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India





# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Muskan** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

Muskan from DAV University, Jalandhar

has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot under the guidance of Arvind Mahindru.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Naman Sharma** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Naman Sharma** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that  
Nishant from DAV University, Jalandhar  
has successfully completed Intel® Unnati Industrial Training – 2024  
from May 2024 to July 2024 in the field of Inference on CPU and  
fine-tuning of LLM Model to Create a Custom Chatbot under the  
guidance of Arvind Mahindru.



**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Nishant** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

Presented with gratitude to  
**Rahul Hans** from  
**DAV University, Jalandhar**  
in appreciation of your role as a Faculty Mentor in  
**Intel® Unnati Industrial Training – 2024**  
held from May 2024 to July 2024.



---

**Sumeet Verma**  
Director, Strategy – Research and Growth  
Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

Riya Arora from DAV University, Jalandhar

has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot under the guidance of Rahul Hans.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India





# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Riya Arora** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Rahul Hans**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel<sup>®</sup> Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

**Sanjana Choudhary** from **DAV University, Jalandhar**

has successfully completed Intel<sup>®</sup> Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Sanjana Choudhary** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that

**Sanjana Kumari** from **DAV University, Jalandhar**

has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India



# Intel® Unnati Industrial Training – 2024

## Certificate of Completion

This is to certify that **Sanjana Kumari** from **DAV University, Jalandhar** has successfully completed Intel® Unnati Industrial Training – 2024 from May 2024 to July 2024 in the field of **Inference on CPU and fine-tuning of LLM Model to Create a Custom Chatbot** under the guidance of **Arvind Mahindru**.



**Sumeet Verma**  
Director, Strategy – Research and Growth Initiatives, Intel India





ਹਰ ਖ਼ਬਰ ਦੇ ਲਿਏ ਸ਼ਕਸ਼ਮ

# ਸ਼ਕਸ਼ਮ ਪੰਜਾਬ

ਸ਼ਕਸ਼ਮ ਪੰਜਾਬ ਸਮਾਚਾਰ ਪੱਤਰ ਵਿਦੇਸ਼ੀਕਰਨ ਦਾ ਦੂਜਾ ਨਾਮ

ਕੋਰੋਨਾ ਵਾਇਰਸ  
ਦੇ ਸੰਕਰਮਣ  
ਸੇ ਬਚਣ  
ਦੇ ਲਿਏ ਮਾਸਕ  
ਕਾ ਇਸਤੇਮਾਲ ਕਰੋ



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## ਮੋਹਰਚੰਦ ਪੋਲੀਟੈਕਨਿਕ ਕਾਲਜ ਵਿਖੇ ਮਨਾਇਆ ਦੇ ਰੋਜ਼ਾ ਮਹਾਤਮਾ ਹੰਸਰਾਜ ਤਕਨੀਕੀ ਮੇਲਾ



ਕਰਨ ਕੁਮਾਰ  
ਜਲੰਧਰ : ਮੋਹਰਚੰਦ ਪੋਲੀਟੈਕਨਿਕ ਕਾਲਜ ਵਿਖੇ ਦੇ ਰੋਜ਼ਾ ਮਹਾਤਮਾ ਹੰਸਰਾਜ ਤਕਨੀਕੀ ਮੇਲਾ ਮਨਾਇਆ ਗਿਆ। ਜਿਸ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਆਪਣੇ ਬਣਾਏ ਹੋਏ ਨਵੀਨਤਾਕਾਰੀ ਤੇ ਰਿਸਰਚ ਬੇਸਡ ਮਾਡਲ ਪੇਸ਼ ਕੀਤੇ। ਇਹ ਤਕਨੀਕੀ ਮੇਲਾ ਸੂਟੈਂਡ ਚੈਪਟਰ, ਇੰਸਟੀਚਿਊਸ਼ਨ ਇਨੋਵੇਟਿਵ ਕਾਉਂਸਲ ਅਤੇ ਇੰਟਰਪ੍ਰੀਨੀ-ਅਰਸ਼ਿਪ ਡਵੈਲਪਮੈਂਟ ਸੈਲ ਦੇ ਸਹਿਯੋਗ

ਨਾਲ ਲਗਾਇਆ ਗਿਆ। ਜਿਸ ਵਿੱਚ ਸੌ ਤੋਂ ਵੀ ਵੱਧ ਮਾਡਲ ਵੱਖ ਵੱਖ ਵਿਭਾਗਾਂ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਵਲੋਂ ਪੇਸ਼ ਕੀਤੇ ਗਏ। ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਜਗਰੂਪ ਸਿੰਘ ਜੀ ਨੇ ਦੱਸਿਆ ਕਿ ਮੇਲੇ ਦੇ ਪਹਿਲੇ ਦਿਨ ਐਨ.ਆਈ.ਟੀ ਜਲੰਧਰ ਵਲੋਂ ਡਾ. ਅਜੇ ਬਾਂਸਲ, ਡਾ. ਅਨੀਸ਼ ਸਚਦੇਵਾ ਤੇ ਡਾ. ਸੁਭਾਸ਼ ਚੰਦਰ ਗਰਗ ਐਕਸਪਰਟ ਵਜੋਂ ਪਧਾਰੇ ਤੇ ਵਿਦਿਆਰਥੀਆਂ ਦੇ ਬਣਾਏ ਪ੍ਰੋਜੈਕਟਾਂ ਦੀ ਸਲਾਘਾ ਕੀਤੀ ਅਤੇ

ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਕਈ ਟਿਪਸ ਵੀ ਦਿੱਤੇ। ਦੂਜੇ ਦਿਨ ਡੀ. ਏ. ਵੀ ਯੂਨੀਵਰ-ਸਿਟੀ ਵਲੋਂ ਡਾ. ਨਵੀਨ, ਡਾ. ਹਰੀਸ਼ ਗਰਗ, ਡਾ. ਸੁਪੀਰ ਅਰੋੜਾ ਤੇ ਡਾ. ਅਸ਼ੋਕ ਬਧੋਰੀਆਂ ਕਾਲਜ ਆਏ ਤੇ ਵਿਦਿਆਰ-ਥੀਆਂ ਦੇ ਰੁਬਰੂ ਹੋਏ। ਉਹਨਾਂ ਵਿਦਿਆ-ਰਥੀਆਂ ਦੇ ਸਵਾਲਾਂ ਦੇ ਜਵਾਬ ਵੀ ਦਿੱਤੇ ਤੇ ਉਹਨਾਂ ਨੂੰ ਯੂਨੀਵਰਸਿਟੀ ਨਾਲ ਮਿਲ ਕੇ ਪ੍ਰੋਜੈਕਟ ਬਣਾਉਣ ਦਾ ਸੱਦਾ ਵੀ ਦਿੱਤਾ। ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਜਗਰੂਪ ਸਿੰਘ ਨੇ ਆਏ

ਮਹਿਮਾਨਾਂ ਦਾ ਸਵਾਗਤ ਕੀਤਾ ਤੇ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਹੌਂਸਲਾਂ ਅਫ਼ਜ਼ਾਈ ਲਈ ਉਹਨਾਂ ਦਾ ਸ਼ੁਕਰੀਆਂ ਵੀ ਕੀਤਾ। ਉਹਨਾਂ ਸਾਰੇ ਹੀ ਵਿਭਾਗ ਮੁਖੀਆਂ ਤੇ ਟੀਚਰਾਂ ਦਾ ਵੀ ਧੰਨਵਾਦ ਕੀਤਾ, ਜਿਨ੍ਹਾਂ ਦੀ ਯੋਗ ਅਗਵਾਈ ਹੇਠ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਬੇਹਤਰੀਨ ਨਵੀਨ ਤੇ ਅਗਾਂਹ ਵਧੂ ਮਾਡਲ ਪੇਸ਼ ਕੀਤੇ। ਇਸ ਮੇਲੇ ਨੂੰ ਕਾਲਜ ਦੇ ਸਮੂਹ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਬੜੇ ਉਤਸ਼ਾਹ ਅਤੇ ਚਾਅ ਨਾਲ ਵੇਖਿਆ।

### 2. DAV University faculty as evaluation experts in Mehr Chand College

Newspaper clipping of the visit of DAV University faculty members Dr. Sudhir Arora, Dr. Naveen Bilandi, Dr. Harish Garg and Dr. Ashutosh Bhadoria as evaluation experts in Technical Fest at Mehr Chand Polytechnic College, Jalandhar in April 2023.

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**DAV University, Jalandhar**  
**Department of Botany and Environment**  
**Studies**

**Event Report**

Name of Event: **Visit to Farms Produce Promotion Society (FAPRO) and Jal Shakti**

**Kendra, District: Hoshiarpur, Punjab**

Date of Event: **19<sup>th</sup> September 2024**

Organized By: **Department of Botany and Environment Studies**

No. of Participants: 41

**Brief Description:**

On September 19, 2024, the Department of Botany and Environmental Studies organized an enlightening one-day visit to the Farms Produce Promotion Society (FAPRO) in Hoshiarpur. A total of 41 students participated in the trip, accompanied by faculty members Dr. Raj Bala, Dr. Rohit, and Ms. Harleen Kaur. The primary goal of this excursion was to educate students about safe agricultural practices, zero-waste production, and effective marketing strategies implemented by FAPRO.

Upon arrival, the students received a warm welcome from Dr. Chaman Lal Vashisht and the leadership team, who offered an engaging overview of the society's mission and historical background. This introduction set the stage for a comprehensive learning experience.

The students then embarked on a guided tour of several zero-waste production units, which included facilities for honey, turmeric, and jaggery processing. Each stop provided valuable insights into the innovative practices that FAPRO employs to minimize waste and maximize efficiency in agricultural production.

This visit was designed to give students practical experience and a deeper understanding of sustainable agricultural methods. By witnessing these practices firsthand, students were able to connect theoretical knowledge with real-world applications, reinforcing the importance of sustainability in today's agricultural landscape. The trip not only enriched their academic experience but also inspired them to think critically about their future roles in environmental science and sustainable practices. Overall, the day was a resounding success, fostering a greater appreciation for sustainable agriculture among the participants.

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The students of DAV University visiting zero-waste production units

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The students also visited Jal Shakti Kendra, which offers technical guidance on water conservation and rainwater harvesting. The visit commenced with an introductory session led by Dr. Arun Kumar, who outlined the Kendra's mission in promoting sustainable water practices. Students learned about key initiatives such as rainwater harvesting, groundwater recharge, and efficient water usage in both agricultural and domestic contexts, gaining valuable insights into the importance of water conservation.



The students of DAV University visiting Jal Shakti Kendra

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## List of participants

B.W. Psychology

**DAV UNIVERSITY**  
Attendance Sheet

S. No.	Name	Reg. No.	Answer Sheet No.	Sign
1	Aruna Chandel	12401476		Aruna Chandel
2	Harleen Kaur	12400636		Harleen Kaur
3	Mandip Kaur	12402397		Mandip Kaur
4	Prabhpreet Kaur	12402458		Prabhpreet Kaur
5	Muskan Thakur	12402082		Muskan Thakur
6	Hardeep Bhand	12401587		Hardeep Bhand
7	Rabjot Kaur	12401571		Rabjot Kaur
8	Simranjit Kaur	12400467		Simranjit Kaur
9	Prabhpreet Kaur	12401124		Prabhpreet Kaur
10	Simranjit Kaur	12401107		Simranjit Kaur
11	Kashish	12401617		Kashish
12	Amushka Kaur	12400616		Amushka Kaur
13	Simranjit Kaur	12402008		Simranjit Kaur
14	Panamoni Kaur	12400045		Panamoni Kaur
15	Sanjot Kaur	12401569		Sanjot Kaur
16	Amalpreet Singh	12401284		Amalpreet Singh
17	Jaspreet Singh	12401288		Jaspreet Singh
18	Kishor	12402484		Kishor

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Attendance Sheet

S. No.	Name	Reg. No.	Answer Sheet No.	Sign
1	Jasmeen Kaur	12400910		Jasmeen
2	Marpreet Kaur	12400909		Marpreet
3	Radhika	12401945		Radhika
4	Jasleen Kaur	12400915		Jasleen Kaur
5	Muskan Kaur	12400789		Muskan Kaur
6	Dolly	12402000		Dolly
7	Arneet Kaur	12400377		Arneet Kaur
8	Aj Aj Kaur	12400983		Aj Aj Kaur
9	Neetu Singh	11901357		Neetu Singh
10	Rameet Kaur	11901336		Rameet Kaur
11	Bahara Sethi	12901356		Bahara

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M. J. Batra

DAV UNIVERSITY  
Attendance Sheet

S. No.	Name	Reg. No.	Answer Sheet No.	Sign
1.	Arankha Sharma	12301284		Arankha
2.	Sakshi Katoch	12301211		Sakshi
3.	Sangam Bala	12300810		Sangam
4.	Kanika	12301168		Kanika
5.	Prayanka Kumari	12300704		Prayanka
6.	Ashen	12300781		Ashen
7.	Shreya	12301095		Shreya
8.	Prayanka	12301029		Prayanka
9.	Tajinder Kaur	12300734		Tajinder
10.	Deepamhu	12300962		Deepamhu
11.	Lovleen Kaur	12300585		Lovleen
12.	Pooja Kamari	12301601		Pooja Kamari

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## DAV University, Jalandhar

### Event Report

Name of Event: **Talk on Environment Conservation**

Date of Event: **August 14, 2023**

Organized By: **DAV University**

No. of Participants: 71

Brief Description:

On August 14, 2023, Reena Chadha, General Manager of the Indian Pollution Control Agency, delivered an inspiring talk at induction program focused on environmental conservation. She emphasized the crucial role that youth play in solid waste management, highlighting how their involvement can lead to significant positive changes in the community and beyond.

Chadha engaged students by outlining various internship opportunities and career paths available in the field of waste management. This practical information encouraged students to consider how they can actively participate in addressing environmental challenges. To further illustrate her points, she showcased a range of innovative products made from recycled waste, demonstrating the potential for creative solutions in waste reduction and resource recovery.

In addition to sharing career insights, Chadha informed participants about various government initiatives aimed at promoting effective waste management and environmental conservation. She articulated the importance of these programs and how they create avenues for youth engagement, urging students to get involved.

Her captivating communication skills truly resonated with the audience, making complex topics accessible and relatable. By the end of her presentation, attendees were not only informed but also motivated to take action in their own lives. They left with a clearer understanding of their responsibilities in conserving the environment.

As a part of this event, the university also launched a poster campaign advocating for a ban on single-use plastics on campus. This initiative, championed by Chadha, aims to foster a culture of sustainability and encourages students to make more environmentally conscious choices in their daily lives. Overall, the event was a powerful reminder of the collective impact that youth can have on the environment.

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Ms Reena Chadha interacting with the students



Ms Reena Chadha and DAV university student

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## List of participants

S.NO.	STUDENT NAME	REGISTRATION NO.	SIGNATURE
1	TARANDEEP S	12200006	Tarandeep
2	NEHA KUMAR	12200008	Neha
3	MANISHA	12200067	Manisha
4	AVNEET SING	12200073	Avneet
5	ANMOLPREET	12200085	Anmolpreet
6	SIMRANJEET	12200097	Simranjeet
7	KAILASH KUM	12200105	Kailash
8	AKASH SINGH	12200108	Akash
9	ROMVAN DU	12200119	Romvan
10	DEEPAK KUM	12200131	Deepak
11	SOURAV	12200132	Sourav
12	PRATAP SING	12200148	Pratap
13	MEENAKSHI	12200149	Meenakshi
14	AVINASH RAN	12200159	Avinash
15	ROHAN	12200162	Rohan
16	KARTIC SHAR	12200164	Kartic
17	SALISH KUMA	12200185	Salish
18	VANSH SWAR	12200207	Vansh
19	BALJIT KAUR	12200238	Baljit
20	AMRIK SINGH	12200252	Amrik
21	AKASH	12200267	Akash
22	PRASHANT SA	12200269	Prashant
23	MANISHA	12200304	Manisha
24	RAJAN SANDH	12200315	Rajan
25	SHAVI	12200320	Shavi
26	SHWETA THA	12200339	Shweta
27	ANIKET TANEJ	12200351	Aniket
28	TEJINDER KAU	12200353	Tejinder
29	MANISHA RA	12200365	Manisha
30	ABHJEET SIN	12200376	Abhjeet
31	TUSHAR THAK	12200406	Tushar
32	GURSIMRAN S	12200418	Gursimran
33	PRIYANKA	12200436	Priyanka
34	TARANJIT KAU	12200460	Taranjit
35	JENNIFER CHR	12200492	Jennifer
36	AAKRITI THAK	12200494	Aakriti
37	NIKITA	12200509	Nikita
38	MANPREET K	12200556	Manpreet
39	NAVJOT SING	12200565	Navjot
40	SAHIB SINGH	12200572	Sahib
41	VANSHIKA MA	12200574	Vanshika
42	ADITYA THAK	12200706	Aditya
43	SHIVAM	12201084	Shivam
44	ARSH RANA	12201296	Arsh
45	AYUSH BHARA	12201401	Ayush
46	VISHAL KUMA	12300456	Vishal
47	HARSHDEEP	12300557	Harshdeep

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S.NO.	STUDENT NAME	REGISTRATION NO.	SIGNATURE
48	EESHAN DAD	12200311	Eeshan
49	ANSHIKA	12200431	Anshika
50	HARPREET	12200435	Harpreet
51	KAJAL RANI	12200575	Kajal
52	BITTU KUMAR	12200604	Bittu
53	AMRIT SINGH	12200607	Amrit Singh
54	PARKASH KU	12200612	Parkash
55	AMRINDER SI	12200622	Amrinder
56	AYUSH BHATI	12200624	Ayush
57	SALONI SALAR	12200629	Saloni
58	TANVEER	12200672	Tanveer
59	SUMILAN	12200676	Sumilan
60	VIPUL	12200680	Vipul
61	SHIVANSHI	12200681	Shivanshi
62	SIMRAN KAUR	12200683	Simran
63	RAMANDEEP	12200684	Ramandeep
64	ANSHUL	12200702	Anshul
65	ARVIND DAD	12200745	Arvind Dad
66	MAYANK	12200752	Mayank
67	HIMANSHU	12200753	Himanshu
68	ARSHDEEP	12200759	Arshdeep
69	SHUBHAM	12200764	Shubham
70	UTKARSH	12200766	Utkarsh
71	SWATI	12200767	Swati

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### **Workshop on Cambridge Teaching, Learning and Assessment (Interchange 5<sup>th</sup> Edition Level 2)**

A workshop on the Cambridge Teaching, Learning and Assessment (Interchange 5<sup>th</sup> Edition Level 2) was conducted by the Department of English at DAV University, in collaboration with Cambridge University Press on September 30, 2023. The aim of the workshop was to equip English teachers from various schools and colleges with the skills required to effectively implement the Cambridge Interchange courses, with a focus on incorporating 21st-century teaching methods.

The participants were introduced to the Cambridge Interchange series, specifically Interchange 2. Insights into the objectives of each course were provided, emphasizing how the series supports the development of communication skills across listening, speaking, reading, and writing at different proficiency levels.

Various student-centred teaching techniques were presented to the participants. The workshop focused on encouraging the use of group discussions, role-plays, and real-world communication scenarios to enhance student engagement. Special attention was given to the use of Interchange materials to build students' confidence and language proficiency in practical, everyday situations.

Challenges commonly faced in classrooms, such as varying levels of language proficiency, were addressed during the workshop. Solutions and strategies were discussed to ensure all students benefit from the Cambridge Interchange courses. Participants were encouraged to collaborate and share their best practices for overcoming these challenges. They were provided with a deeper understanding of how these courses align with global standards and how they can be applied to enhance language instruction in their own teaching environments. The workshop was attended by English educators from various institutions.

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Cambridge  
University Press

Department of  
English

Invite you for a  
**Workshop**

on

**CAMBRIDGE**

Teaching, Learning and Assessment  
(Interchange 5th Edition Level 2)

**30<sup>th</sup> Sept., 2023  
11.00 AM Onwards**

Resource person:  
**Ms. Medhavi Singh**  
Cambridge University Press

Venue:  
**Seminar Hall**  
(Admin Block)

Patrons



Prof. (Dr.) Manoj Kumar  
Vice Chancellor  
DAV University



Dr. K. N. Kaul  
Registrar  
DAV University

Register here:

<https://forms.gle/iPx2sGhgoQzyhCHa8>



Convener



Dr. Gitika Nagrath  
Dean Commerce, Business Management  
& Economics and Humanities

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**(M): 97818-89966 | 89883-13215**



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Attendance:

*Shruti*

20/9/2023-

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*Shruti*

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9/29/2023 21:27:25	pyankarora1975@gmail.com	Pyanka Arora	PRT	DAV PUBLIC SCHOOL, Lawrence Road Amritsar	9915475677	Yes	✓	9915475677	Yes		Ranjana Arora
9/29/2023 21:27:40	sarugouravpuri@gmail.com	Saru Vohra	PRT	D. A. V Public School, Lawrence Road, Asr	998647647	Paid	✓	998647647	Paid		Saru Vohra
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*Handwritten signature*

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*Shubamini*

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 DAV University, Jalandhar

# डीएवी यूनिवर्सिटी और कैम्ब्रिज यूनिवर्सिटी प्रैस ने अंग्रेजी भाषा शिक्षण पर किया कार्यशाला का आयोजन

सोमवार, 4 अक्टूबर : डीएवी यूनिवर्सिटी और कैम्ब्रिज यूनिवर्सिटी प्रैस ने 'कैम्ब्रिज सीनिंग, रिवींग और असेसमेंट' पर एक सहयोगात्मक कार्यशाला का आयोजन किया। प्रौद्योगिकी विस्तारविभाग में अंग्रेजी विभाग के सहायक प्रमुख ने आयोजित कार्यक्रम अंग्रेजी भाषा की शिक्षा को आगे बढ़ाने और विभिन्न शैक्षणिक संस्थानों के शिक्षकों और शिक्षार्थियों को एक साथ कर लाने का प्रयास था। कैम्ब्रिज यूनिवर्सिटी प्रैस की प्रतिनिधि और कैंब्रिज की मिग्रेस परसन मैथिली सिंह ने अंग्रेजी भाषा की शिक्षा में नवीनतम तकनीकों पर चर्चा की। उन्होंने बताया कि इंटरैक्टिव और आकर्षक शिक्षण के माध्यम से अध्यापन देने के लिए डिजाइन की गई समकालीन तकनीकों की शिक्षण के लिए आवश्यक है। मैथिली सिंह ने प्रतिभागियों को



कार्यशाला में शामिल हुए रिचर्स परसन मैथिली सिंह को सम्बोधित करते हुए डीएवी यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार, डीन डॉ. गिरिजा नारायण, सहायक प्रोफेसर पौनिका सुपहिया, दिलदार सिंह व निमल जोरा। (संदीप)

कार्य में सक्रिय रूप से शामिल होने, बेहतर तरीकों को स्वीकार करने और विभिन्न शहरों के विभिन्न शैक्षणिक संस्थानों में कर्षित शिक्षकों के साथ परस्पर नेटवर्क विकसित करने के लिए प्रोत्साहित किया। उन्होंने इस बात

पर जोर दिया कि ये सहयोगात्मक प्रयास न केवल प्रक्रियानुसार डिजिटल तरीकों को प्रोत्साहित करेंगे बल्कि अंग्रेजी शिक्षकों के बीच सहोदरता की भावना को भी बढ़ावा देंगे। इस से शैक्षणिक समुदाय को लाभ होगा। टी.ए.पी.

यूनिवर्सिटी के वाइस चांसलर डॉ. मनोज कुमार ने कैंब्रिज के महान पर प्रकाश डाला। उन्होंने विश्वास व्यक्त किया कि ये इनसाइट्स टीचर्स और स्टूडेंट्स के लिए समृद्ध शैक्षणिक अनुभवों में तबदील हो जाएगी। उन्होंने कहा कि नवीनतम तकनीकों से लैस अंग्रेजी शिक्षक उच्च गुणवत्ता वाली पढ़ाई के लिए बेहतर स्थिति में होंगे।

डॉ. मनोज कुमार ने अपने काल कि कार्यशाला डीएवी यूनिवर्सिटी और कैम्ब्रिज यूनिवर्सिटी प्रैस के बीच बातचीत साझेदारी में एक महत्वपूर्ण मोल का प्रत्यक्ष है। कार्यक्रम में उच्च शिक्षा विभाग में मैथिली सिंह और पौनिका सुपहिया, सहायक प्रोफेसर पौनिका सुपहिया, दिलदार सिंह, निमल जोरा, डॉ. पूनम, लैला नौराम और सुधीर शेरमा शामिल थे।

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Ms Medhavi delivering the talk



Medhavi Singh being felicitated by the Vice Chancellor

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## Report on Student Visit to Dayanand Ayurvedic College

**Date of the Event:** 17th August 2022

**Organized by:** DAV University

**Venue:** Dayanand Ayurvedic College

### Overview:

On 17th August 2022, the students of DAV University visited Dayanand Ayurvedic College for an educational exchange focused on Ayurvedic medicine and medicinal plants. The visit aimed to enhance students' understanding of traditional medicine systems and foster knowledge sharing between the two institutions.

During the visit, students had the opportunity to engage in discussions with faculty members and practitioners from Dayanand Ayurvedic College. Key areas of focus included:

- **Ayurvedic Medicine:** Students learned about the principles of Ayurveda, the preparation of herbal medicines, and the role of natural remedies in promoting health and wellness.
- **Medicinal Plants:** The students explored the college's herbal garden and studied various medicinal plants, understanding their therapeutic properties and applications in Ayurvedic treatments.
- **Knowledge Exchange:** Both students and faculty exchanged ideas on integrating traditional Ayurvedic practices with modern healthcare approaches, encouraging a holistic view of wellness.

### Conclusion:

The educational visit to Dayanand Ayurvedic College was a highly informative and enriching experience for the students of DAV University. It broadened their knowledge of Ayurvedic medicine and medicinal plants while fostering an exchange of ideas between two academic institutions. The visit contributed to a deeper understanding of traditional medicine systems and their relevance in today's healthcare landscape.

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Students of DAV University at the Dayanand Ayurvedic College campus



Students of DAV University visited Dayanand Ayurvedic College

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## **Report on Two-Day Workshop on “Entrepreneurship and Soft Skills” – i5 Summit Event (IIM Indore)**

**Organized by:** Department of Commerce and Business Management, DAV University

**Dates:** 4th - 5th October 2022

**Collaborators:** IIM Indore and MakeIntern for the i5 Summit Event

**Facilitator:** Ms. Shalini Vij, Certified Trainer from IIM Indore (2022-23) and Founder/Director of Sculpting Mentors

The Department of Commerce and Business Management at DAV University successfully organized a two-day workshop on "Entrepreneurship and Soft Skills" in collaboration with IIM Indore and MakeIntern as part of the i5 Summit event on 4th and 5th October 2022. The workshop was facilitated by Ms. Shalini Vij, an esteemed certified trainer from IIM Indore, and an NLP practitioner with over 25 years of professional experience in performance enhancement training.

### **Workshop Focus:**

Ms. Shalini Vij shared her vast knowledge and expertise on several crucial aspects that align with entrepreneurship and soft skills development. Key topics covered during the workshop included:

- **Business Plan Development:** Idea Generation and Evaluation
- **Brand Positioning and Communication**
- **Time Management**
- **Confidence Building**
- **Conflict Management**
- **Interpersonal Effectiveness**
- **Personality Development**

The workshop targeted MBA and M.Com students from the Department of Commerce and Business Management and aimed to address essential personal and professional development skills.

### **Outcomes:**

The students enthusiastically participated in the sessions, learning valuable entrepreneurial and soft skills that would serve them in their future careers. The sessions encouraged critical thinking, effective communication, and self-improvement, which are essential components of both personal growth and professional success.

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Ms. Shalini Vij presented the certificates to the participant

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**Department:** Mechanical Engineering

**Name of the Event:** Expert lecture on "Industry led skilling opportunity for 2023 and 2024 batch" by Mr. Mayank Ranjan Country Lead North India L&T EduTech and Mr Ashish Mishra Regional Lead North India L&T EduTech.

**Date of the Event:** 27th Sep, 2024

**Name of the Resource Person (if applicable):** Mr. Mayank Ranjan Country Lead North India L&T EduTech and Mr Ashish Mishra Regional Lead North India L&T EduTech.

**Teacher Coordinator:** Coordinator, Department of Mechanical Engineering, DAV University Jalandhar

**Report:**

**The Department of Mechanical Engineering, in association with the Admission Department, of DAV University, organised an expert lecture on ‘Industry led skilling opportunity for 2023 and 2024 batch**

On February 27<sup>th</sup> Sep, 2024, the Mechanical Engineering department, in collaboration with **Admission Department, of DAV University, organised an expert lecture on ‘Industry led skilling opportunity for 2023 and 2024 batch** by Mr. Mayank Ranjan Country Lead North India L&T EduTech and Mr Ashish Mishra Regional Lead North India L&T EduTech were the resource person.

In the inaugural note, DAV University, welcomed and introduced the speaker to the audience and enlightened them about the event.

Thereafter, the resource person, Mr. Mayank Ranjan, started his presentation. He was more interested in interacting with the students and learning about their thoughts. He motivated the students to find the critical problem and work on the solution for it. He encouraged the students to start their own businesses and to collaborate. He asked the students to find the problems faced by the humans. He gave the example of the problem faced by humans in day to day life and asked students to take initiative to solve it. In his lecture, he discussed various topics related to entrepreneurial opportunities as well job opportunities in India, such as infrastructural development, health facilities, agriculture development, educational development, digital media and AI, market connectivity with the global world, agricultural processing, etc. He cited various examples in his presentation related to the topics discussed with the audience. He explains the basic mechanisms for starting a business, like identification of the target segment, level of problem solved, market competition, brand positioning, profitability, advertisement, and market support.

**Learning Outcomes:**

1. Entrepreneurial Opportunities
2. Design and Development

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Geotagged Pictures of the event:



The Vice Chancellor addressing participant



Prof Manoj Kumar addressing participant

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Attendance Sheet of Students containing name of the event, department, type of the event, date on the top of the attendance sheet.

27/09/2024 B.Tech mechanical First year

1. Manoj Singh Elara	12401371	Mechatronics	Manoj Singh
2. Shobhit Dhiman	12401991	Mechatronics	Shub
3. Shiva	12400659	Mech.	Sh
4. Manvita	12401715	"	Manvita
5. Manav	12400032	"	Manav
6. Gurneesh	12401090	"	Gurneesh
7. Gurpreet	12402061	"	Gurpreet

Signature  
27/9/24

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## Project

**DATE:** 20-Sep-23

**NAME CLIENT:** DAV University, Jalandhar, Punjab, India

**CONTACT PERSON AT THE CLIENT:** DR GIRISH TANEJA

**NAME EXPERT:** Michiel C. Westermann

**PROJECT DATES: FROM** 11-Sep-23 **TO** 21-Sep-23

**STATUS OF THE REPORT:**  DRAFT /  FINAL

**TYPE OF ADVICE:**  ADVICE ON LOCATION /  REMOTE ADVICE /  SEMINAR

### 1. Project definition

#### **Introduction:**

DAV University (DAVU), Jalandhar got established in the year 2013 under the aegis of DAV College Managing Committee (DAVCMC).

DAV College Managing Committee (DAVCMC) is the largest non-governmental organization in the field of education in India today. DAV College Managing Committee has contributed to nation-building by pioneering private initiative in education. In the more than 136 years, DAV students have emerged as leaders in their chosen fields as Nobel laureates, Prime Ministers, Scientists, Sports persons, Defense personnel, Actors, Media persons, CEOs, etc., thus, making meaningful contributions to the economic and social development of India.

DAVCMC runs and manages over 900 educational institutions comprising of public schools, grants-in-aid schools, colleges, institutes of professional education and research institutions. DAVCMC has more than 2 mln students, 100,000 staff and more than 4 mln alumni.

DAV University is a multi-disciplinary institution, with faculties of teaching excellence in the fields of engineering to languages to natural sciences including physical and life sciences. The whole university is based on a campus.

DAV University has more than 5000 students of which 3500 are on campus, 230 teachers and 50 supporting staff members.

Headquarters

Sports

Working

India

DAV

DAV

DAV

DAV

DAV

DAV

DAV

DAV



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### Background of this project

This project is initiated by the Vice-Chancellor of the DAV University in Jalandhar, Punjab, India. The Vice-Chancellor, Dr. Manoj Kumar, was till 1 – 1.5 year ago Principal of DAV Institute of Engineering & Technology (DAVIET), also in Jalandhar. At DAVIET they have already an incubator since more than 5 years. In April/June of this year I fulfilled a project for DAVIET: “how to stimulate students to become more entrepreneurial”. This is also an important issue at DAVU, as well in whole Punjab. Now DAV University wants to start an incubator as well. As mentioned, the incubator must start from scratch. The government made new legacy which says that universities have to invest 1 % of their annual budget in entrepreneurship. Due to that, and the previous experience of Dr. Kumar at DAVIET with PUM, Dr. Kumar applied for another PUM project. By the time of arrival at DAV University, an incubator coordinator, Dr. Girish Taneja, had been selected, who is fully responsible for the setup of this incubator. He has formed an Incubation Team of 14 people from different departments. All of them can and will act as a mentor for a start-up.

DAVU has initiated the Institution Innovation Council (IIC) with a vision to promote Innovation and Entrepreneurship among the students. The IIC provides the students with the right resources for making their initial business start-up a success. Through IIC, it is proposed to organize three-pronged programs such as Aspiration, Assistance and Competitions.

DAV University already reserved spaces for the incubator in their administration building. These spaces are ready to use, but they need to get a make-over and improvement of the interior first. DAV University has a budget of 50 Lakh (INR) for the current financial year for the incubator and the startups.

Innovation: Take one problem or need and solve it better than anyone else

### Issue to address originally:

*Need:* DAV University, Jalandhar is promoted by DAV College Managing Committee which is India's single largest non-government educational organization managing more than 900 institutions in the country. It has been providing students with an excellent education in modern academic

50 Lakh (INR)  
startups  
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environment. We offer courses in Engineering, Sciences, Agriculture Social Sciences, Commerce & Business Management, Education & Physical Education and Law. We are setting up an incubator. We need guidance in setting up Business Incubator at DAV University. We want experts to train our faculty for the incubator (Train the trainers) and guide the incubatees.

We will be able to set up an incubator and advise the startups through the incubators.

- Support in the setting-up of the incubator center and the construction of a sustainable ecosystem.
- Advice on business plan
- Advise in setting up and executing a train-the-trainer program for faculty with the aim of developing a professional approach to the coaching and mentoring process

*Expectations:* To set up an on-site advisory process by an expert in the field of incubating.

*Plan of Approach:*

- Interviews with the different stakeholders
- Analysis based on these interviews
- Review of the original issue
- Deliver a report with conclusions and recommendations

**Agreed issue and approach after arrival:**

After the first 2 days of interviews and discussions with especially Dr Girish Taneja and Dr Sandeep Vij it was agreed that the focus should be on two main elements:

- How to develop a quick-start for the incubator to use the present momentum
- Give a general framework for the business plan with some guidelines and recommendations

Also it was agreed that, as memorized earlier, one of the important issue and concern is the (lack of) entrepreneurial spirit among the students (probably, this is already based on the colonial period under the British when especially a government job gave job security for life). There is the mentality now to try to get a job at the government or a big company or get a visa to leave the country. Entrepreneurship in India is not popular, especially not with parents, and the choice for entrepreneurship is not one of the top 10 choices of graduates.

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*Plan of Approach:*

- Interviews: in the first week there will be several interviews with the vice-chancellor, the incubator coordinator, professors, students, start-ups, alumni and industry representatives to get an insight of the current status and the possibilities
- Visit to the incubation center "Golden Jubilee Center" at the Guru Nanak University, located in Amritsar, Punjab.
- Analysis and conclusions based on these interviews
- Deliver a report with insights and recommendations

List of interviewed people

- Dr. Manoj Kumar (Vice-Chancellor)
- Dr. Girish Taneja (Coordinator Incubator, Department of Commerce & Business Management and Economics (CBME))
- Two deans: dean of law school and dean of CBME
- Dr. Puja Rattan (mentor – agro & food processing)
- Dr. Rahul (mentor – agro & food processing)
- Dr. Ashutosh Sharma (mentor – agro & food processing)
- Dr. Sandeep Vij (mentor business & strategy)
- Dr. Samriti (mentor – lifesciences & biotechnology)
- Dr. Tejinder (mentor lifesciences & biotechnology)
- Dr. Hapreet Walia (mentor – processing of waste)
- Students (idea phase) & entrepreneurs:
  - Ritu, Sakshi, Gurleen, Jaspreet, Jaskamal
- Student/entrepreneur:
  - Amarjeet Aryan
- Alumnus/entrepreneur:
  - Saatvik Ruddra
- Student Clubs:
  - Art club (9 people)
  - Literature club (2 people)
  - Drama club (2 people)
- Potential Financers:
  - Dr. Ashwani Kumar, director State Bank of Patiala
  - Mr. Kapil, HDFC Bank
  - Mr. Raja Arora, owner/entrepreneur A+Plus, AWF, etc
- Representatives of SME's manufacturing association Jalandhar
  - Harish Gupta: M.G. Industrieel, Jalandhar
  - Prashali Dhir: BTC domestic appliances, focal Point, Jalandhar city

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- Anirudu Dhir: BTC exports, Jalandhar
  - Harvinder Singh Nagi: Universal Engineering Works, Jalandhar
  - Sumit Duggal: Shree RAM Industries, importers of Ferro Alloys & Carbon products
  - Uttam Chadha: M/s G.D. International Ltd, manufacturer of castings, foundry, S.G. Iron, Jalandhar
  - Gaman Monga, M/s G.D. international, automotive components
  - Vivek Rathor: M/s forgings, Jalandhar
  - Training and placement officer
  - Bank representatives:
    - Dr, Ashwani Kumar, director of State Bank of Patiala
    - Mr. Kapil, HFDC Bank
  - Vishal Sharma (Consultant Corporate Communication, Branding & marketing, working on promoting young entrepreneurs)
- Visit to INFINITY (Golden Jubilee Center), Guru Nanak Dev University
- Attendees: Dr. Pratap Pati (GNDU), Dr. Girish Taneja, Dr. Sandeep Vij, Dr Tejinder Kaur, Dr. Rahul, Ms Neeraj (accounts audit officer), Gurleen & Jaspreet (DAV University students & entrepreneurs)

## 2. Analysis and conclusions

The most important conclusion, based on the findings below, is that **DAVU should start immediately with the incubator**, because there is the right momentum with motivated student- and alumni-entrepreneurs. The incubator team recognizes this as well as the association of SME manufacturers.

Entrepreneurship:  
Turn the innovative solution into a sustainable company

### Findings

In bullets there will be described the elements out of the interviews, which can be enablers for the new incubator plus elements which must be improved. They are not in order of priority.

### Enablers:

- MBA program uses a business simulation game

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- Main fields of interest: food processing, waste segregation and waste management (in general circular economy), agriculture of millets, E-Commerce, Digital Marketing, computer and data sciences
- 1% of total budget is available for the incubator and start-ups, 50 lakh this academic year
- NULM (national urban livelihood mission), they help women and train them. DAVU has adopted 10 villages/communities around DAVU, see App 1
- 3 rooms in the administration building are available now for the incubator plus the use of a meeting room
- Incubation Team of 14 members of different departments have been installed
- An Innovation and Start-up policy is in place
- Mentors from the staff are available
- Good contact with incubator managers of Chit Kara University and Lovely University
- Management, Mechanical and Agricultural Department: mandatory entrepreneurship courses/workshops and small competitions but in the other departments they are optional
- Millets are the future! Example: Start-up of an Entrepreneur woman, connected to DAVU, produces already millet products
- Once a year a business plan competition is organized for all potential entrepreneurs of all departments and other universities are invited as well.
- Several alumni-entrepreneurs and student-entrepreneurs are very enthusiastic about an incubator. Several of them would like to have an office in the incubator
- Some alumni-entrepreneurs are mentoring and helping student-entrepreneurs from other universities with, for ex, funding
- SME Association of Manufacturers would like to cooperate, make internships available, etc

*To improve:*

- Not all the departments have a (simple) business course/game in their Curriculum.
- Most of the students are only looking for a job and/or to get a visa for Canada, USA or EU

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- The Innovation and Start-up policy blocks start-ups from the region and from other universities
- Not clear what the IIC does versus the Incubation Team
- NULM projects do not generate profit yet and only connection with DAVU is through staff. Students are not involved.
- Alumni are not well organized. No connections between alumni-entrepreneurs
- Business mentors have not been approached
- In general the parents of students are not in favor of entrepreneurship and have no direct connection with DAVU
- Start-ups of the incubator of, for ex, GNA can find their way to alumni of DAVU
- Student and PhD-entrepreneurs often cannot finance even their early start
- Student clubs are mostly social oriented and are not really involved with the University
- SME's have no clear point of contact. For cooperation with universities they go to the South of India
- No existing business angel network

**Conclusion:**

- Start the incubation center asap (short term), now that the time is right (people are enthusiastic – SME representatives, student entrepreneurs, etc)
- Involve the students as much as possible
- Collaborate with other universities, associations, alumni etc – therefore you need to build-up a strong network and start initiatives that are profitable for each party
- Think of a way to involve parents: they are crucial for starting entrepreneurship
- Make a mid/long term plan for the incubator

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### 3. Recommendations on follow-up

The recommendations will be split up into:

- Immediate and short term  
Aimed at setting up immediately a working incubator with the available means
- Mid/long term  
In the next 9 month a business plan has to be developed, which is fitting for the most important stakeholders, entrepreneurs being number 1, and implemented before the start of the new academic year

All these recommendations should be seen in the light of the culture and policies of DAV University.

The secret of getting ahead is getting started

#### Immediate and short term

The main problem for each starting incubator is, how to get sufficient start-ups in the beginning, because *the best example for an entrepreneur is another entrepreneur*. A vibrant, dynamic environment should be created, so it will appeal to other (starting) entrepreneurs. This will affect also all the other stakeholders. And luckily for DAVU the **momentum** is there.

At least till the start of the new academic year a temporarily organization must be in place and the student- and alumni-entrepreneurs should play a key role. The first recommendation is that a Student- Alumni Entrepreneur Cell(E-Cell) of 5 – 7 persons get installed immediately with Girish Taneja as chairman. Make a simple Policy for the Cell, which will state that is expected that they have at all time the possibility to propose initiatives for the benefit of the start-ups. In general this will affect financial consequences and the decision for this will be with the Incubation Team. In practice, this means that E-Cell will be asked to take the lead in what they think the start-ups are needing.

*Recommendations:*

- Install E-Cell by the Vice-Chancellor in week 38 (18-22 September)
- Order and install needed interior and workplaces for the incubator and the facilities are working like enough bandwidth, week 38
- Ask E-Cell which start-ups will take immediately office in the incubator  
Make immediately clear to E-Cell that after the first year their role must be evaluated and maybe adapted according to the business plan

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- Start-ups do not have to pay at least during their student time for the incubator
- Set up a policy how and when they can make use of the laboratories and under which conditions
- **Appoint an interim incubator manager for 50% of his time**
- Appoint mentors to the different start-ups from staff as well as alumni
- Inventarize and make available all existing courses and workshops which are beneficial for a start-up from DAVU and the government
- Set date for opening, latest week 42
- Day of the opening all start-ups should present themselves and communicate this among the students
- Make a contest with a price/reward for all students for a name for the incubator
- Ask the student clubs (Art, Drama, Literature and other clubs) for initiatives to support the Incubation Center. Examples:  
 Art: design and make the rooms in such a way that it becomes a vibrant, dynamic environment with nice colors, etc (before week 42)  
 Drama, Music and Dance: make an openings act
- Make a basic communication plan to inform and involve all students and staff till the summer
- Organize each month a presentation of an entrepreneur (can be a start-up) about his/her entrepreneurial journey
- Agree on a protocol with (first) the SME Association of Manufacturers. Points for the protocol should be:
  - Point(s) of contact with DAVU should be clear (one of the reasons why they have cooperations with universities in South India and not with DAVU), suggestion Head of Incubator together with Head of Recruitment and Training
  - Association commits itself for xx paid internships per year and mentoring these students also in understanding how the companies are organized and working
  - Association defines what kind of expertise they need
  - DAVU commits itself to help them in (paid) development of products and services for their need
  - DAVU offers them professional courses or develops them

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- Association holds at least one a year its meeting at the campus and presents issues they have in their companies to (potential) entrepreneurs. Start-ups can present their ideas to them
- Analyze every 2 month the incubator and improve
- Add to Innovation and Start-up policy that other start-ups are also welcome, for example out of the region or start-ups from other universities who would like to join because of the expertise of DAVU or for the industry in the region (ex. Sport-industry)
- In the Innovation and Start-up policy are several suggestions how to “reward” student entrepreneurs. Suggestion: think about incentives/rewards for the staff to help the incubator and to develop an entrepreneurial mind in the university among students as well as staff, especially if they are able to involve the parents. Rewards if a Staff member start a start-up is also advisable
- Communicate the essence of the Innovation and Start-up policy to students and staff, especially for students that they will get rewards in points and lack of attendance
- If there is a homecoming event for alumni, use the incubation center and innovation as main focus
- Develop practical plans to involve students with start-ups and SME’s, for example: Women Empowerment Initiative in the neighboring villages is great, but can be extended by helping them to define their issues and ask teams of students to bring up solutions
- Make an idea box for the incubator, and an application for people who want to be an entrepreneur but don’t have an idea (matching)

*“A business incubator is not a stand-alone phenomenon. After all, the task is to coach and guide young entrepreneurs on their way to success as a start-up. They are entering or have already entered the world of business. This means that these start-ups also immediately have to deal with the government, with legislation, with financiers, with consumers and with competitors. Moreover, this incubator has the desire, but also the responsibility, to guide a start-up farther than at the front door of his or her company, and to ensure that a steady future can be found in a second phase as a scale-up. It is strongly recommended to bring that outside world into the incubation process and to allow them to become part of it in one way or another.”*





### Mid/long term

For the mid/long term, the first achievement must be to develop, test and finalize the business plan for the incubator and then start implementing this and evaluate and update this each year.

Let us assume that DAVU would like to have as a subtitle:

*"The Innovative and Entrepreneurial Journey in DAV University"*

Especially if this is the case, the business plan for the incubator should include what they expect from the most important stakeholders, especially the University and its staff to achieve this.

In Appendix 2 is a powerpoint for a framework of an incubator business plan plus some excel sheets as example of an Incubator Financial Model. Advise is to use a framework of a business plan the incubator team is familiar with.

Before starting to work on the business plan the advice would be to start using the Business Model Canvas together with E-Cell and the Incubator Team, so this can be used as the basis for a business plan, see Appendix 3.

This business plan must be based on some assumptions and the recommendations will follow, which can be used in the business plan.

#### *Assumptions:*

- After 5 years the incubator should be self-supporting
- Student-entrepreneurs do not have to pay for the shared workspace, use of the laboratories, etc. If they use patents, or time and effort of the staff for a "new" product, the university should be compensated for that in the form of a loan or equity
- After the first 2 years of the incubator (proven record) there should be contracts with the start-up for some equity in exchange for all the efforts of DAVU
- Almost no incubator can be self-supporting only based on some equity and maybe some rent. Therefore other sources of income will be necessarily, ex's skills courses, organizing seminars, subsidies/investments of government, industry, investors and others
- The entrepreneurs should be central in the business plan
- The incubator should be the starting core of, first a network of university, suppliers (accountancy, etc), investors, etc., second they should make a network of incubators in Punjab. If these networks are operating well than it will slowly evolve in an ecosystem of innovative and entrepreneurial drive. This can be represented as follows:

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# STARTUP COMMUNITIES

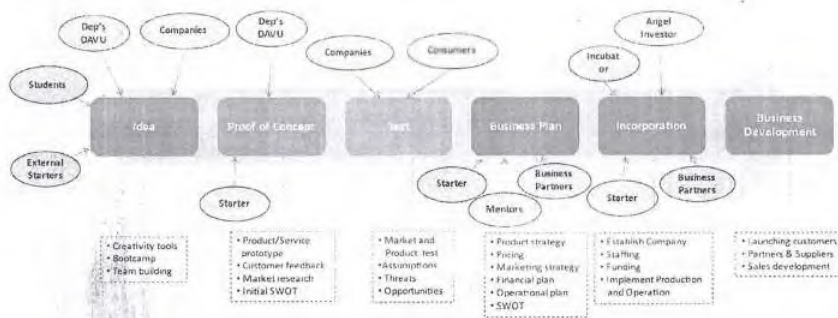
Entrepreneurs must lead the startup community.

The leaders must have a long-term commitment.

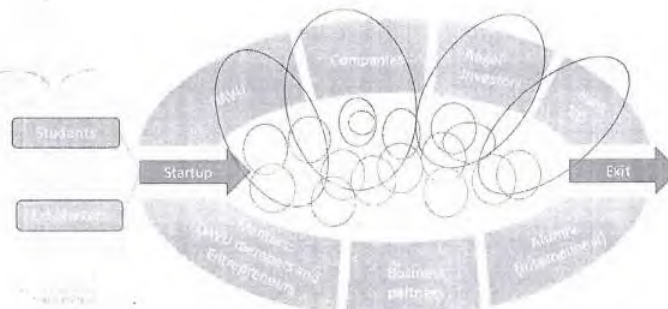
The startup community must be inclusive of anyone who wants to participate in it.

The startup community must have continual activities that engage the entire entrepreneurial stack.

## Startup phases and interactions



## Network Model



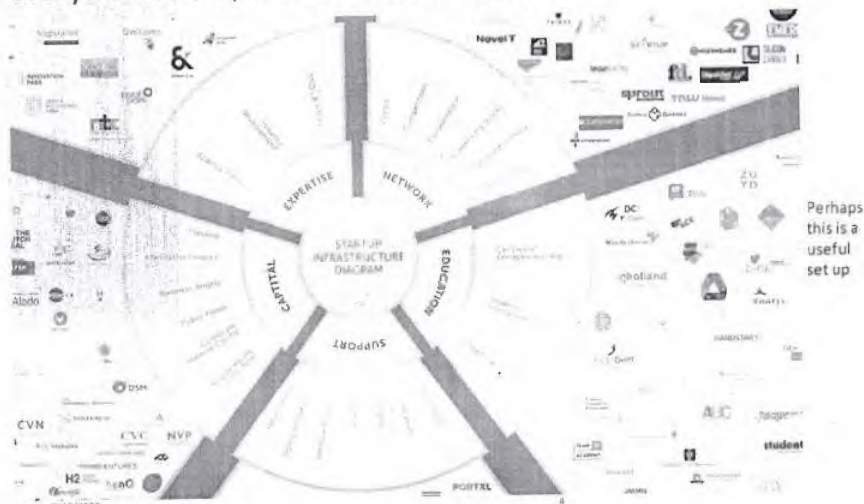
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## Ecosystem example in The Netherlands



## Nature or nurture

“... Entrepreneurship ecosystems: do they evolve naturally, or can we intelligently design them? ... they are usually the result of **intelligent evolution**, a process that blends the invisible hand of markets and deliberate helping hand of public leadership that is enlightened enough to know when and how to lead as well as let go the grip in order to cultivate and ensure (relative) self-sustainability.”

-Daniel Isenberg, Babson College

### Recommendations:

These are not in any priority order

- Involve E-Cell continuously in the development of the business plan (bp)
- *Connect the dots*, citation of entrepreneur-student Jaspreet. He meant that the parents should be involved to create an entrepreneurial atmosphere. Examples how to do: some assignments for students should involve parents through interviews or let a professor talk with the parents about being an entrepreneur. In general, include them in the communication

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- If DAVU is not doing contract research for companies, they should start
- Patents of DAVU could be made available for start-ups
- Talk to small enterprises and ask their requirements, then design the curriculum based on their needs (Dr. Kumar)
- Invite all the entrepreneurs from DAV university for a lunch, let each one give a presentation about their entrepreneurial journey (Dr. Kumar)
- Define projects where the students are more involved in the communities, ex Women empowerment in the DAVU adopted villages
- Work together with other universities / incubators: it's not a competition between universities. Use MoU's to make agreements with the other incubators and/or with other universities.

Share and borrow facilitations with other incubators, you don't have to have all the facilities once you collaborate

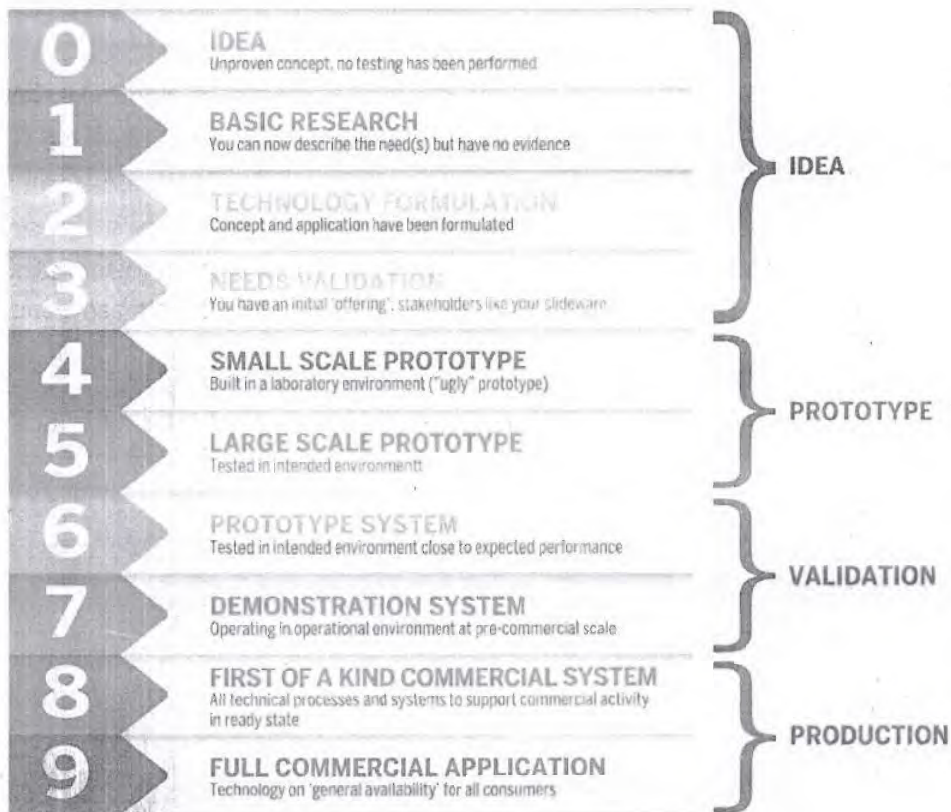
*If you have a good startup it could be more beneficial for that company to be part of an incubator in another city. Why shouldn't the company go there? Can and will the other university receive them? Or the other way around?*

- Get inspired by other incubators: visit them
- Challenge the business plan with the most important stakeholders but also with the directors of other incubators
- Setup a competition / game for all first year students: not especially as experience for entrepreneurship, but as solving a problem with a team of different people. And then they might be motivated to do so. If you make it fun, the students might think: maybe someday I want to become an entrepreneur.
- Define the industries which are well connected with DAVU and which you want to give more attention, like food processing, waste segregation and management, agriculture (ex. millets), IT, high-end services.
- Develop a generic protocol for DAVU with Associations of SME's
- Define a clear reward system for student/staff-entrepreneurs and for the staff
- Make assumptions for the (new) incubator building, ex. within 3 years' time there should be sufficient space for 50 startups with on average 3 people. The specifications for the building should be based on these kind of assumptions.
- A job description, including responsibilities, a training program and a compensation and incentive schedule has to be developed for the incubation manager and program managers.
- A clear organisation structure should be present

- A basic financial model for the incubator should be developed very fast. The assumptions which must be made for this financial model should be checked as much as possible and probably have to be adapted after a couple of months and again after 1 year of operation.
- Internationally the TRL model is used. It is advisable to use this in the business plan as well

## MEASURE YOUR TECHNOLOGY READINESS LEVELS - TRL

How technology ready is your service/product?



Technology Readiness Levels are adapted by the CloudWATCH2 project

Find out more about CloudWATCH2 TRL: [http://bit.ly/TRL\\_MRL](http://bit.ly/TRL_MRL)



[www.cloudwatchhub.eu](http://www.cloudwatchhub.eu)

CloudWATCH2 has received funding from the European Union's Horizon 2020 programme  
DG CONNECT Software & Services, Cloud, Contract No. 644748

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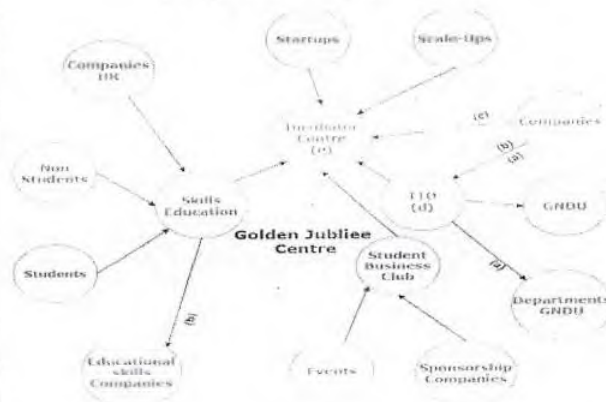
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- Introduce co-working spaces in the new building for young scale-up companies, for ex 10% of the working space of the incubator. They will be able to pay the full rent but it will be much more important that they can become stimulators and mentors for the startups. And for the scale-ups it will be a golden opportunity to co-operate with DAVU.
- Develop guidelines how much and under which conditions DAVU can do a seed investment or grant (what will be the maximum amount) in the startup if the starter-entrepreneur want and need this. A possibility could be that he can choose out of 2 alternatives, receive the seed money as a loan and treat the loan in the same way as the "rental loan". Or that it will be a seed investment, meaning DAVU obtains shares in the startup. In general, it is extremely difficult to value a startup company, therefore the policy could be as a standard to ask max 5% shares in exchange for the max seed investment.
- The present policy framework and guidelines should be further developed on basis of the business plan. Some of these can be done in parallel.
- Develop a one day course how to build a startup and make it obligatory for all first year students.
- Communication internally and externally will be crucial and a separate communication plan should be made. It has to be always clear in the communication when what will be ready
- Example of "Revenue Streams", the basic model, courtesy of GJC.

### Revenue Streams



- Contracts for sales of IPR, POC's, products, lab material, contract-research and consultancy
- MOU's by industry linkage unit of GNDU
- Rental usage of equipment
- MOU's and contracts executed by Program Manager(s)
- Management and execution by Incubation Manager

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- If the university has a Technology Transfer Office (TTO), it could be wise to make this an integral part of the incubator
- Engage the alumni. Develop ideas for the alumni for “what is in it for them”, for ex: can they form an angel investors network for the start-ups. Or can they present concepts/problems they have to the potential start-ups or give an online presentation on a trending topic by a professor or a start-up or .....
- Departments must be more eager to develop Proof of Concepts (PoC) for their own use and/or for a (potential) start-up.
- Develop a matching platform to find team members
- Within the business plan should be:
  - an operational plan for facilities, services, trainers/coaches, network, recruitment, etc. to provide optimal support for startups.
  - a financial plan for investment, exploitation, and startup losses during the first years and the years after.
  - MoU’s, contracts or agreements with stakeholders should be signed in order to guarantee continuity

Celebrate every step and success  
with all the stakeholders



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#### 4. Action plan / Follow up by PUM

The development of a business plan is an iterative process and should be done in a team(s). Use outsiders for reflection on each step.

Dr Girish and dr Sandeep should take the lead for the business plan and I would advise that they strongly include in the process E-Cell. I would also advise that they make sub-groups, where possible, to develop parts of the bp.

Actions	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Mai	Jun	
Install E-Cell											
Install furniture											
Name contest											
Opening Incubator											
Adapt Policy											
Develop communication platform											
Mid/long term											
Apply BMC											
Develop Bus. Plan											(X)
Operation&Fin. Plan											(X)
Evaluate&Test Plan											X
Implement Plan											

X means that a visit on location to evaluate and discuss with the stakeholders the business plan

(X) means that commenting on the plans can be done digitally (If DAVU asks for support from PUM)

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## Acknowledgements

This mission has been a very positive experience. I would like to thank especially the Vice-Chancellor Manoj Kumar, Girish Taneja and Sandeep Vij for their input, effort and cooperation for this report. Also I would like to thank all the interviewees for their knowledge and input. The University and the guesthouse were great. And I would like to thank my driver for these 2 weeks, Sachdev Viridi.

I want to thank the Dutch Enterprise Agency that they gave the change and opportunity to their employee, my daughter Fransje Westermann, to help in the first week.

Last but not least, I want to thank Fransje for her wonderful support, hard work, input, ideas and in helping to organize all these interviews and especially to summarize them.

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## Appendix 2



Framework for  
Incubator Business Plan



Incubator Financial  
Model\_Example.rar

## Appendix 3

### Using the Business Model Canvas (BMC) to describe the business incubator you want to establish

To give you the best possible help PUM needs to know your ideas about your business incubator. To communicate these ideas in a standard way we want you to use the Business Model Canvas (BMC). The BMC is used to characterize all types of organizations (commercial companies as well as not-for-profit organizations). So it is also suitable for describing your business incubator. You will find this BMC in which your intentions and ideas can be displayed on one page below this text. The BMC consists of 9 blocks that, in conjunction, provide a clear picture of the desired business incubator. Below you will also find a short description of the required content for each of these blocks: this will help you to fill in the BMC correctly.

#### 1. Customer segments:

This block must describe the different groups of participants that you want to reach with the incubator. These start-ups are the heart of the incubator centre. It is all about them! Decide consciously which start-up groups you give access to the centre, for example based on assessments, but certainly also which start-up groups you do not want to guide as a start-up in the incubator. Every start-up has its own needs. Every idea to establish a business is unique. Try to visualize them as well as possible. Also make it clear as much as possible how many start-ups the incubator can coach and guide each year.

#### 2. Value propositions:

The value proposition is the reason why people who have an idea of becoming an entrepreneur choose to participate in this incubator centre. This second building block in the BMC accurately describes the services that the start-up can expect as a participant in the incubator. Is the service adequate? Is the

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coaching effective and can it lead to independent entrepreneurship? What does the start-up have to pay for this?

### 3. Channels:

Depending on which target groups have to be served from the business incubator, it is important to indicate how the future participants should be approached and which media can be used for this. Formulating a clear message to each individual target group is a first step on the road to announcing the existence of the guidance centre for starting entrepreneurs in the region. The use of social media in this modern age is an important tool in this regard.

### 4. Customer relationships:

Every start-up that has been admitted to the business incubator can be seen as a "customer". It is important to determine whether they are participants or have a different position. For example, they can also be members of a formal entity or a tenant of space in the HUB. Which advisory services can start-ups use? With the help of the supervisors, they can be brought into contact with the business community, with capital providers, with the government when it comes to permits and suchlike. Which facilities can they use in a HUB to be set up? Is the possibility of prototyping or starting a first production provided for?

### 5. Revenue streams:

A business incubator is of course a business in itself. It is of the utmost importance that it is clear from the initial phase of setting up the incubator which sources of income are available. It is possible that subsidy programs or donations from companies or banking institutions can be used to finance a first start, but this is also about medium-term continuity. The question is also how the participants, the start-ups, ultimately pay for the services offered.

### 6. Key resources:

Key resources are the most important tools and resources needed to make the business incubator business model work. Resources can be physical (such as equipment), intellectual (market research, for example), financial or human (knowledge and skills of employees).

Which key resources are required depends on the type of business model that is chosen. But it is important that start-ups can use (for instance) ICT

With the support of the

Business Incubator

PUM Report for DAVU

Business Incubator

Business Incubator

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networks, 3D printers, drones, machines without restrictions to produce their products in the first release or prototypes and have the opportunity to use their own space in the HUB to present their first products and to receive their first customers.

7. Key activities:

This is about your most important business activities. Like the key resources, they are needed to achieve a positive exploitation of the incubator with the defined value propositions. The most important question is: what activities will the business incubator develop and offer to ensure that the business model works? Which tasks and activities can the incubator perform under its own management and which can be better outsourced. How are management and other staff members involved and who is ultimately responsible for running the incubator?

8. Key partners:

Collaboration in the region is of vital importance for a business incubator. The development and keeping of a so-called eco-system is a prerequisite for ultimately offering the participating start-ups an independent perspective in the environment in which they want to establish their business. The business community must be given a prominent place in the eco-system, but also (financial) banking institutions that can provide seed capital are of great importance. Of course, the government also plays an important role when it comes to regulations and permits. Educational institutions should also be involved in the eco-system of the business incubator.

9. Cost structure:

A business model also includes costs. Map what is needed financially to run the business incubator. Are your most important resources, core activities and partners clearly defined? Then it is fairly easy to calculate all costs (on an annual basis). Depending on your profit orientation you align the total costs with your total revenue with a margin.

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Business Model Canvas (BMC) of your incubator:

KeyPartners	KeyActivities	ValuePropositions	CustomerRelations	CustomerSegments
	KeyResources		Channels	
CostStructure		RevenueStreams		

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Ahmad Husain <ahmad10620@davuniversity.org>

**Fwd: PUM Agreement - Incubation Center, DAV University CRM:0000001**  
1 message

Subject: PUM Agreement - Incubation Center, DAV University CRM:0000001  
To: vc.davuniversity.org <vc@davuniversity.org>

Thank you for signing the agreement. We will now start searching the right expert for you. Below you find the text of the signed agreement and the plan of approach.  
Kind regards,

Rebekka Gelders

Project Officer

PUM Netherlands senior experts

**Framework agreement to involve volunteers of PUM to provide expert advice**

The foundation under Dutch law "**Stichting PUM Netherlands senior experts**", residing at Bezuidenhoutseweg 12, 2594 AV The Hague, The Netherlands, validly represented by **Rebekka Gelders** hereinafter referred to as "PUM"

and

**Incubation Center, DAV University**, residing at **Jalandhar- Pathankot National Highway, 144012 India**, validly represented by **Manoj Kumar** hereinafter referred to as represented as "Project Client"

in this document collectively referred to as "Parties".

**Whereas:**

- PUM is a non-profit volunteer organisation based in the Netherlands;
- PUM provides (i.a.) advice to small and medium-sized enterprises in developing countries and emerging markets for the sustainable and inclusive development of their business;
- PUM provides this advice through Advice on location, Remote Advice, Trade Promotion and Seminar all executed by its volunteers, the "PUM Experts";
- The Project Client has requested PUM to provide advice in regard of the project described in Annex 1 to this agreement;
- The duration of this agreement is stated in Annex 1 to this agreement.
- In this agreement, Parties have identified and agreed on procedure and the general terms and conditions applying to the deployment of PUM Experts during this project;

**Parties have agreed as follows:**

**Procedures in regard of the project**

**Project:** The scope, the duration and the voluntary efforts of the PUM Experts in the project are described in Annex 1 to this agreement. The procedure, terms and conditions in this framework agreement will also apply to Parties in regard of any subsequent project(s) or advice given by the PUM Expert(s) to the Project Client.

**Communication:** The Project Client accepts that PUM will communicate mainly through its digital platform. The Project Client will use the digital platform of PUM upon request by PUM. The Project Client will duly act upon notification from PUM and check this digital platform for any outstanding actions.

**Pre-selection:** PUM preselects suitable PUM Expert(s) based on the project assignment Parties agreed upon, which is stated in Annex 1 to this agreement. PUM will propose the preselected PUM Expert(s) to the Project Client through its digital platform.

**Selection:** Project Client will assess the proposed, preselected PUM Expert(s) and will enter their acceptance or rejection within the timeframe as communicated.

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**DAV University, Jalandhar**



Vice Chancellor <vc@davuniversity.org>

**Fwd: Travel dates confirmation DAV CRM:0191847**

1 message

k r jain <pumindia@gmail.com>  
To: vc@davuniversity.org

19 July 2023 at 10:38

Dear Sir,  
Greetings  
I have received the following mail from PUM.  
Please confirm the dates of mission

With Regards  
K R Jain

----- Forwarded message -----

From: **Rebekka Gelders** <rebekka.gelders@pum.nl>  
Date: Tue Jul 18, 2023 at 8:08 PM  
Subject: Travel dates confirmation DAV CRM:0191847  
To: K.R. Jain <k.r.jain@pum.nl>  
Cc: Michiel Westermann <Michiel.Westermann@pum.nl>, Leon Husson <leon.husson@pum.nl>

Dear Mr. Jain,

a kind reminder that I would like to have the confirmation of the client DAV on the travel dates as suggested by Michiel Westermann 10.9-22.09.2023.  
I would like to have the confirmation latest by Thursday this week as I need to arrange all before I leave on holidays next week.

Many thanks in advance.

Kind regards / Met vriendelijke groet,

Rebekka Gelders  
Project Officer India

E [rebekka.gelders@pum.nl](mailto:rebekka.gelders@pum.nl) T +31(0)70 349 0528

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Vice Chancellor <vc@davuniversity.org>

## Request Pick up information PUM expert Michiel Westermann CRM:0823929

2 messages

noreply <noreply@pum.nl>

25 July 2023 at 14:54

To: "vc davuniversity.org" <vc@davuniversity.org>

Cc: "K.R. Jain" <k.r.jain@pum.nl>

Dear Manoj Kumar,

This is to inform you that Michiel Westermann is arriving at Amritsa on 11-9-2023 with AI453. The expert will leave on 22-9-2023.

Please confirm the pickup and accommodation arranged for the expert in the PUM Client Portal. Click [here](#) to fill in this information.

Only after having received your confirmation we can finalise the booking for the expert.

Looking forward to your prompt reply.

Kind regards,

Rebekka Gelders  
Project Officer  
PUM Netherlands senior experts  
E: rebekka.gelders@pum.nl

Vice Chancellor <vc@davuniversity.org>

25 July 2023 at 15:07

To: CBME Coordinator <coordinator.cbme@davuniversity.org>, "Dr Dr. K. N. Kaul" <registrar@davuniversity.org>, Sajjan Kumar <sajjan10170@davuniversity.org>

Cc: Dean CBME & Humanities <dean.cbme@davuniversity.org>

plz discuss

Dr Manoj Kumar  
Vice-Chancellor  
DAV University, Jalandhar  
Jalandhar-144 012 (Punjab)

Tel: 0181-2708844  
M: +91-9872203898

[Quoted text hidden]

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## Indian Institute of Technology Guwahati

### Department of Physics

Guwahati-781039, Assam, INDIA

Phone: +91 361 258-3557

Fax: +91 361 258 2749

Mobile: (+91) 8011028735

**Dr. Gagan Kumar**

Professor

E-mail: [gk@iitg.ac.in](mailto:gk@iitg.ac.in)


Date: 17 April 2024

### To Whom It May Concern,

I am writing to certify that Dr. Keshav Walia, a Physics Department faculty member at DAV University located in Jalandhar, Punjab, India, has been engaged in collaborative research with me since July 2022. Together, we have delved into intricate issues ranging from developing novel generation techniques to exploring applications for Terahertz radiation in diverse fields.

Throughout our collaboration, Dr. Walia has demonstrated a profound understanding of theoretical concepts important in designing experiments at terahertz frequencies. I express my gratitude for Dr. Walia's unwavering commitment to our shared pursuit of scientific knowledge and innovation.

Sincerely

  
Dr. Gagan Kumar  
Dr. Gagan Kumar  
Professor  
Department of Physics  
Indian Institute of Technology Guwahati  
Guwahati-781039, Assam, India

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DAV University, Jalandhar



**Dr. Ram Jiware**  
Associate Professor

**भारतीय प्रौद्योगिकी संस्थान रुड़की**

गणित विभाग

रुड़की - २४७ ६६७, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

DEPARTMENT OF MATHEMATICS

ROORKEE - 247 667, UTTARAKHAND, INDIA

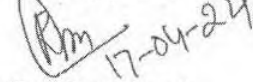
Phone : +91-1332-284820 (O), +91-8191957249 (M)

Fax : +91-1332-273560; E-mail : ram.jiware@ma.iitr.ac.in

**To whom it may concern**

I am writing to certify that Dr. Keshav Walia, faculty at Department of Physics, DAV University, has been engaged in collaborative research with me since December 2022. We are collaborating together in developing various codes on MATLAB for numerical simulation of complex nonlinear equations, plasma physics, fiber optics, dislocation theory and Josephson physics. Currently, we are writing a manuscript on plasma physics and fiber optics. I express my gratitude for Dr. Walia's unwavering commitment to our shared pursuit of scientific knowledge and innovation.

Sincerely yours,



(Prof Ram Jiware)

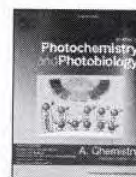
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## Journal of Photochemistry &amp; Photobiology, A: Chemistry

journal homepage: [www.elsevier.com/locate/jphotochem](http://www.elsevier.com/locate/jphotochem)

## Aggregation induced emission and mechanochromic luminescence by cyanostilbene-based organic luminophores

Dibyendu Dey<sup>a</sup>, Prasenjit Giri<sup>a</sup>, Nayim Sepay<sup>b</sup>, Ahmad Husain<sup>c</sup>, Manas K. Panda<sup>a,\*</sup><sup>a</sup> Department of Chemistry, Jadavpur University, Kolkata 700032, India<sup>b</sup> Department of Chemistry, Lady Brabourne College, Kolkata 700017, India<sup>c</sup> Department of Chemistry, DAV University, Jalandhar 144012, India

## ARTICLE INFO

## Keywords:

Donor-acceptor molecule  
AIE  
Mechanochromic luminescence  
Intermolecular interaction  
Molecular packing  
Mechano-writing and vapo-erasing  
Security data writing

## ABSTRACT

In this manuscript, we report novel cyanostilbene based luminogens, **1CF3** and **1F2** that exhibit pronounced "aggregation induced emission" (AIE) characteristics and mechanochromic luminescence (MCL) switching in solid state. A poorly emissive methanol solution of **1CF3** or **1F2** can be highly emissive after addition of poor solvent. Our morphological study reveals that the molecules self-assemble to higher crystalline state at during AIE process. When the single crystals of **1CF3** or **1F2** were subjected to mechanical pressure, a prominent mechanochromic switching from greenish yellow emission to red emission was observed. The red emissive material can be switched back to its initial greenish yellow emissive material by solvent vapour fumigation. Powder X-ray diffraction and single crystal X-ray diffraction study revealed that the mechanochromic colour switching is due to the packing change induced by mechanical pressure. The practical applicability of the MCL materials was demonstrated for ink-free writing and solvent vapour erasing.

## 1. Introduction

In recent years, organic solid-state photoluminescent materials have attracted much attention due to their wide range of technological applications in light-emitting diodes, sensors, optical waveguiding materials as well as in biological applications [1–10]. Compared to solution, achieving solid state emissive materials is a difficult task because the emission of typical organic fluorophores quenches rapidly with increasing the solution concentration associated with molecular aggregation that favors detrimental  $\pi$ - $\pi$  stacking interactions. After the discovery of Aggregation Induced Emission (AIE) by Tang et al, [11–15] solid-state emitters can be developed by strategically designing the AIE gen molecule that facilitate non-planner packing in aggregation and thereby enhances fluorescence emission in solid aggregated state [16–24].

Stimuli responsive fluorescence switching materials that are capable of reversibly switching their emission colour in response to various external stimuli such as light, mechanical/shear force, heat, chemical vapour etc [25–32] are of special importance owing to their utility in various technological applications. Among various stimuli, mechanical force is an environmentally benign and easily accessible energy source and thus can be used to manipulate emission properties of solid-state

luminescent materials. MCL materials are a class of interesting stimuli-responsive materials that can switch their emission wavelength or/and intensity in response to different mechanical force such as crushing, grinding or directional rubbing [33–42]. In a condensed media like crystal, polymer or amorphous state, the colour change can be traced to molecular tautomerization or isomerization or supramolecular packing change although the exact reason of chromogenic switching associated with excited-electronic state variation remains elusive. Moreover, the synthesis of majority of MCL dyes demand tedious multistep synthetic process [42] which undermine the viability and cost effectivity for practical applications. Thus, it is always desirable to design and synthesize new MCL molecules with the aim of exhibiting novel optical properties. Herein, we report a synthetically simple, donor-acceptor (D-A) type cyanostilbene based molecules (**1CF3** and **1F2**) which display pronounced AIE behavior as well as MCL in solid state. The molecules were designed with bulky methoxy substituted diphenylamine donor group which facilitate non-planner packing arrangement during aggregation while the F/CF<sub>3</sub> and -CN functional groups facilitate reconfiguration of intermolecular interactions during packing change. To observe the influence of the substituents in the acceptor moiety, we have also synthesized a reference molecule (**1**) without any -F or -CF<sub>3</sub> groups.

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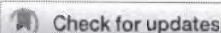
E-mail address: [manaspanda.chemistry@jadavpuruniversity.in](mailto:manaspanda.chemistry@jadavpuruniversity.in) (M.K. Panda).<https://doi.org/10.1016/j.jphotochem.2022.114480>

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## Synthetic, spectral, structural and catalytic activities of 3-D metal format/acetate framework materials for CO<sub>2</sub> conversion†

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Two new coordination polymers [Cu<sub>2</sub>(HCO<sub>2</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>]<sub>n</sub> (**1**), and [Na(Ni(CH<sub>3</sub>CO<sub>2</sub>)<sub>2</sub>(CH<sub>3</sub>CO<sub>2</sub>H))] <sub>n</sub> (**2**) were synthesized using a mild solution chemistry approach and characterized spectroscopically, and the molecular structures of **1**, and **2** were determined by the single crystal X-ray diffraction technique. Bridged by CHOO<sup>-</sup>/CH<sub>3</sub>COO<sup>-</sup>, M ions form a three-dimensional distorted perovskite-like structure. The solid-state structure revealed that **1** is an infinite three-dimensional (3D) motif in which Cu(II) are bridged by formate in a κ<sup>1</sup> manner and four water molecules, while **2** is also an infinite three-dimensional (3D) structure having two nickel coordinated to four acetates in a κ<sup>2</sup> manner and one acetic acid that further interact with sodium ions. **1** has a 6-connected uninodal map topology with the point symbol of {4<sup>4</sup>4.6<sup>4</sup>10.8} whereas **2** has a 4-connected uninodal net with sqc6 topology and point symbol (6<sup>4</sup>6). All the motifs (**1–2**) could serve as excellent catalysts for CO<sub>2</sub>-based chemical fixation. **2** shows high efficiency for CO<sub>2</sub> cycloaddition with small epoxides but its catalytic activity decreases sharply with the increase in the size of epoxide substrates. The results indicated that the copper(II) and nickel(II)-sodium motifs catalyzed CO<sub>2</sub> cycloaddition of small substrates was carried out within the framework, while large substrates could not enter into the framework for catalytic reactions. The high efficiency and size-dependent selectivity toward small epoxides on catalytic CO<sub>2</sub> cycloaddition make **2**, a promising heterogeneous catalyst for carbon fixation.

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## Introduction

Carbon dioxide (CO<sub>2</sub>) gas is the most significant anthropogenic gas that has been liable for average temperature increase globally and subsequent climate changes.<sup>1</sup> The emission of CO<sub>2</sub> from the power plants really may be taken into consideration as a plentiful carbon source. Apart from the physical adsorption and permanent underground deposition of CO<sub>2</sub>, an alternative and greater green strategy for addressing anthropogenic CO<sub>2</sub> emission problems should be the one leading to the catalytic chemical conversion of CO<sub>2</sub> into value-added chemicals and materials in order that the emitted CO<sub>2</sub> can be

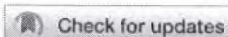
reused in the carbon recycling on the earth.<sup>2,3</sup> This approach no longer reduces anthropogenic greenhouse gas emissions but additionally generates valuable chemical commodities to decrease our dependence on petrochemicals. Consequently, it can be a reliable way toward a sustainable low-carbon future. Taking into account the troubles of product purification and catalyst recycling in homogeneous catalytic processes, some heterogeneous catalysts have been developed for CO<sub>2</sub> chemical conversion.<sup>3</sup> Particularly, the coupling of CO<sub>2</sub> with epoxides into cyclic carbonates is a totally green course for CO<sub>2</sub> utilization.<sup>4</sup> Cyclic carbonates are a kind of chemical intermediate in the production of plastics, organic solvents, etc.<sup>5</sup> Homogeneous and heterogeneous catalysts were developed for the cycloaddition of CO<sub>2</sub> and epoxides. Thus, many homogeneous catalysts, such as quaternary ammonium and phosphonium salts,<sup>6</sup> ionic liquids,<sup>7</sup> alkalimetal salts,<sup>8</sup> Schiff bases,<sup>9</sup> and metal-centered salen complex,<sup>10</sup> have been used to promote transformation. Although they show effective conversion of the coupling of CO<sub>2</sub> with epoxides into cyclic carbonates, the inherent shortcomings of the separation of the product and recycling of the catalyst limit the extensive application of the homogeneous catalysts. Therefore, in order to overcome the

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† Electronic supplementary information (ESI) available: Experimental details, additional structural figures, crystallographic refinement details, PXRD, IR spectra, CCDC 2248040 and 2248039, for (1), and (2). For ESI and crystallographic data in CIF or other electronic format see DOI: <https://doi.org/10.1039/d3nj01463k>




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## Incisive analysis of hydrogen-bonded supramolecular architectures in designer polycyclitols: observation of some interesting self-assembly patterns†

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An incisive analysis of C–H···O and O–H···O hydrogen-bonded patterns and their three-dimensional crystal packing networks in some polyoxygenated decalins, encountered during our quest for recently conceptualised and synthetically accessed polycyclitols, has revealed several distinctive motifs in their supramolecular architectures. The observed supramolecular packing motifs displayed significant variabilities, ranging from simple ribbon-like designs to fittingly organized columnar architectures, depending on the spatial disposition of oxyfunctionalisation patterns. The crucial role of the surrogate carbonate protecting group present in some of the intermediates has been studied by comparing the crystal packing in substrates with and without this functionality.

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### 1. Introduction

Amongst the various types of interactions that cumulatively determine the supramolecular architecture in crystals, hydrogen bonding between suitable donor–acceptor sites holds a dominant position.<sup>1</sup> Indeed, such deep seated interplay involving strong (O–H···O) and weak [C–H···O] intermolecular and intramolecular hydrogen bonding plays a central role in generating and stabilizing a myriad of ensembles of molecular entities in the solid state.<sup>2,3</sup> Studies related to newer supramolecular assemblies, deploying novel skeletal platforms and functional group arrays, their properties, and applications, have been extensively pursued.

In organic chemistry, cyclitols are generally regarded as carbohydrate-like polyhydroxylated cycloalkanes of general formula C<sub>n</sub>H<sub>2n</sub>O<sub>n</sub>, and pentahydroxycyclopentane **1** and naturally occurring inositol **2** are considered among the prime examples (Fig. 1).<sup>4</sup> Intuitively, cyclitols can be

considered as carbocyclic sugar mimics and have aroused interest for decades as possible surrogates for therapeutic interventions.<sup>5</sup> Given the diversified spatial disposition of multiple hydroxyl groups on the carbocyclic backbone in cyclitols, generation of distinctive supramolecular motifs through various hydrogen bonding interactions in the solid state is inherent to these constructs and has been also receiving much attention.<sup>6</sup>

Recently, we and others have conceptualized polycyclitols as novel analogs of bioactive inositols displaying enhanced levels of hydroxyl functionalities with variegated stereochemical patterns and ring size variation to open up a new chemical space for supramolecular interactions and possible applications in biology and materials science.<sup>7</sup> Such constructs, harbouring multiple hydroxyl groups, contiguous or skipped are annulated inositols or polycyclitols, as displayed in Fig. 2. These new entities have drawn traction in the recent years from practicing synthetic organic chemists as well as from those interested in profiling their biological activities and exploring newer packing patterns and

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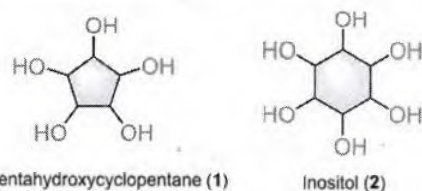


Fig. 1 Representative pentacyclitol and hexacyclitol (inositol).

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Materials Horizons: From Nature to Nanomaterials

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# Engineered Ferrites and Their Applications

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# Chapter 7

## Role of Ferrite Materials in Renewable Energy Harvesting



Surinder Paul, Bandna Bharti, and Rajesh Kumar

### 1 Introduction

#### 1.1 Ferrite Materials

Ferrites are ceramic compound made of iron oxide ( $\text{Fe}_2\text{O}_3$ ) which associated chemically with additional one or more metallic elements such as Barium, Strontium, Nickel, Manganese, Zinc, or other compounds [1]. They have an important ferromagnetic character, and therefore can be attracted to a magnet or magnetized as well as are nonconductive electrically. Ferrites are hard as well as soft in nature. Hard ferrites have high magnetic coercivity whereas soft show low value of magnetic coercivity. Hard ferrites always used to make magnets, small electric motors, refrigerator, and loudspeakers due to its high value of magnetic coercivity whereas soft ferrites because of its low magnetic coercivity used to make ferrite cores for transformers, inductors as well as for various microwave components in electronics industry. Soft as well as hard ferrites are frequently collective with core/shell nanostructures in order to improve their different properties [2]. Ferrites are technologically imperative materials which show three crystalline structures, first spinel's ( $\text{AB}_2\text{O}_4$ ), second garnet ( $\text{A}_3\text{Fe}_5\text{O}_{12}$ ), and third magneto plumbite ( $\text{AFe}_{12}\text{O}_{19}$ ) in which A and B are ions of metal. Spinel ferrites is one of the simplest structure among these which primarily determined by the oxygen ion lattice. Figure 1 showing unit cell of spinel's structure. The oxygen anions in the structure are packed in FCC arrangement which contributes two types of interstitial voids between a sites tetrahedrally coordinated anions and B sites octahedrally coordinated anions [3]. Cation's distributions are determined by

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