

## CONTENT

### Criteria: 7.2.1

**Criteria Detail:** Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.

Sr. No.	Particulars	Annexure No.
1	Best Practices - 1 <ul style="list-style-type: none"> <li>• Appreciation Letters</li> <li>• Event Report with Photographs</li> <li>• Geotagged Photographs</li> </ul>	Annexure 1
2	Best Practices – 2 <ul style="list-style-type: none"> <li>• Event Report with Photographs</li> <li>• Sample Certificate</li> </ul>	Annexure 2



**TULA'S**  
**DEHRADUN** INSTITUTE

NAAC  
GRADE **A+**  
ACCREDITED INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India • ISO 9001:2015

Affiliated: V.M.S.B Uttarakhand Technical University | Sri Dev Suman Uttarakhand University | Uttarakhand Board of Technical Education

## Annexure - I

# Best Practice – 1

## BEST PRACTICE – I

### 1. Title of Practice: Encouraging Blood Donation through Regular and On-Call Drives

**2. Objectives of the Practice:** Tula's Institute is dedicated to shaping the next generation into socially responsible citizens. In response to the multiple social challenges the world faces today—such as climate change, public health crises, and discrimination, Tula's Institute emphasizes civic responsibilities, including cleanliness, road safety, and blood donation. Blood donation is a key practice through which Tula's Institute aims to develop empathy and community engagement among its students, inspiring them to actively contribute to the betterment of society.

**3. The Context:** Participation in social activities has shown to increase students' motivation to continue their education, while building confidence in their social competencies. Blood donation, a vital social act, promotes empathy and responsibility. Through this practice, students are exposed to the importance of giving back to the community. It is intended that such practices will not only inspire students to act as responsible citizens but also to address community-level issues. By including this practice in their educational journey, the students learn to be empathetic and socially aware citizens.

**4. Practice:** This initiative focuses on fostering empathy and understanding for others through blood donation. By learning the importance of the principles of voluntary blood donation, students enhance their self-awareness and social consciousness. The primary goal is to raise awareness and encourage regular blood donation within the community through frequent donation drives and on-call blood donation opportunities.

**5. Evidence of Success:** Tula's Institute has received positive recognition and appreciation for this initiative from prominent organizations such as the IMA Blood Bank, the Village Pradhan, and local elected officials. The success of this practice is reflected in the growing number of students participating in these blood donation drives. The increased student involvement, coupled with strong organizational support, has contributed to successful collaboration and synergy, thereby achieving the practice's objectives.

### 6. Problems Encountered and Resources Required:

- Geographical Limitations:** The nearest IMA Blood Bank is located at a significant distance from the campus, making logistics challenging.
- Time Constraints:** Balancing academic work with participation in blood donation and other social activities can be demanding for students.
- Awareness Issues:** More initiatives are required to raise awareness and motivation among students about the importance of regular blood donation.

Q



Director  
Tula's Institute, Dehradun

# IMA BLOOD BANK OF UTTARAKHAND

# President's Appreciation Award

*Presented on the occasion of*

*National Voluntary Blood Donation Day*

on

*1st October, 2022*

ta

# Tula's Institute Dehradun

*for valuable contribution to the noble cause of  
Voluntary Blood Donation Movement*

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(Dr. Ajay Khanna)

President

IMA Blood Bank Society of Uttarakhand

Director  
Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN

Each day, thousands of people need donated blood and blood products to keep them in good health or allow them to stay alive.

If a person's blood levels fall due to an accident or illness, or if their blood is not functioning properly, there will not be enough oxygen or other nutrients to maintain their vital organs.

Donating whole blood can help these people.

A similar process to whole blood donation is apheresis. This provides other blood components, such as platelets. A donation of platelets can help people who have issues related to clotting. It may also provide antibodies to help fight disease, such as COVID-19.

Giving blood can be a lifesaving action, but it may also have benefits for the donor. In this article, learn about the effects of giving blood.

### Objectives of Blood Donation Camp

1. Provide safe and quality blood and blood components collected from voluntary donors, round the clock, at an affordable cost to the general public, and free of cost to the poor. Ensure the safety and quality of blood.
2. To wipe off the scarcity of blood and ensure the availability of safe and quality blood and other blood components, round the clock and throughout the year. This will lead to the alleviation of human suffering, even in the far-flung remote areas in the country

### Summary (Press Release)

Tula's Institute, Dehradun, organized a blood donation camp on November 26 2022 in collaboration with NCC and NSS, with joint efforts of IMA Blood Bank, Uttrakhand. The students, faculty, and staff of the college volunteered for this noble cause and about 200 units of blood were collected.

This event was inaugurated by Dr. Raghav Garg, VP of Technology, Dr. Nishant Saxena, Dean of Academics, Dr. Pawan Kumar Choubey, Registrar, and Dr. Ranit Kishore Dean of Agriculture and Management.

More than 100 students volunteered in donating blood.

The donors were given certificates, refreshments, and gifts after blood donation.

Overall, the drive turned out to be a success wherein all the faculties and students donated

blood with full enthusiasm and courage.

### Outcome:

1. **Community Engagement:** Blood donation camps often engage the broader community, including students, faculty, staff, and local residents. By participating

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN

Date: 26<sup>th</sup> November 2022

### BLOOD DONATION CAMP AT TULA'S INSTITUTE



Blood Donation Camp at Tula's Institute on 22nd December 2022

Importance of Blood Donation

Director  
Tula's Institute, Dehradun

Ref:TI/EC/1122/05

Date:25-11-2022

## NOTICE

We are pleased to announce that Tula's Institute is organizing a Blood Donation Drive in collaboration with the IMA blood bank. This noble event aims to contribute to saving lives by encouraging blood donation.

Date: 26th November 2022

Venue: Seminar Hall, Tula's Institute

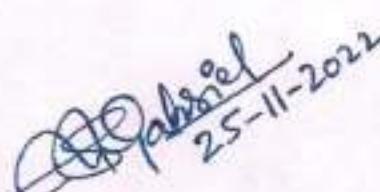
Time: 10:00 AM

We invite all students and faculty members to participate in this life-saving initiative. Your contribution can make a significant difference to those in need.

Let us come together and make this event a success!

Head

Extension Committee



25-11-2022



Director  
Tula's Institute, Dehradun

### **Vision**

- To emerge as an academic centre producing world class professionals promoting innovation and research.

### **Mission:**

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To Inculcate social, environmental, heritage values.



## TULA'S INSTITUTE, DEHRADUN

in the camp, individuals demonstrate solidarity and compassion for those in need, fostering a sense of community and social responsibility.

**2. Health Awareness:** Blood donation camps also serve as an opportunity to raise awareness about the importance of regular blood donations and the impact they can have on saving lives. Educational materials and discussions at the camp can help dispel myths and misconceptions about blood donation and encourage more people to become regular donors.

**3. Promotion of Volunteerism:** Organizing and staffing a blood donation camp requires volunteers to assist with various tasks, such as registration, donor screening, and refreshments. Participation in these volunteer roles can promote a sense of civic duty and encourage individuals to engage in future volunteer opportunities within their community.

### Event Photographs



Inauguration of Blood Donation Camp by Vice President Technology Dr. Raghav Garg 26th November 2022

*Director  
Tula's Institute, Dehradun*



## TULA'S INSTITUTE, DEHRADUN



Lamp lighting ceremony Blood Donation Camp Organized at Tula's Institute 22nd December 2022



Blood Donation Camp Organized at Tula's Institute 26th November 2022

Director  
Tula's Institute, Dehradun

## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute 22nd December 2022



Doctor doing necessary formalities before processing for the blood donation, 26th November 2022

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Dean academic Dr. Nishant Saenna visited the venue during the donation drive, 26<sup>th</sup> November 2022

**BLOOD  
DONATION DRIVE**

A gift straight from your heart

26<sup>TH</sup> NOV, 2022

TULAS DEHRADUN

EPN bloodbank of Uttarakhand

Students got certification for contribution in Blood Donation Camp Organized at Tula's Institute 26th November 2022

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

IMABBUA/ADMIN/PR&M/2022-23/5793/123

08/2/2023

To,

The Director

Tulas Institute

Dehradun, Uttarakhand

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tulas Institute on 22<sup>nd</sup> Dec 2021 we have collected 68 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again.

Regards

Dr. Sanjay Upreti

(Director Technical & Operation)

IMA Blood Bank Of Uttarakhand.

Director

Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN

### Importance of Blood Donation

Each day, thousands of people need donated blood and blood products to keep them in good health or allow them to stay alive.

If a person's blood levels fall due to an accident or illness, or if their blood is not functioning properly, there will not be enough oxygen or other nutrients to maintain their vital organs.

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A similar process to whole blood donation is apheresis. This provides other blood components, such as platelets. A donation of platelets can help people who have issues related to clotting. It may also provide antibodies to help fight a disease, such as COVID-19.

Giving blood can be a lifesaving action, but it may also have benefits for the donor. In this article, learn about the effects of giving blood.

### Objectives of Blood Donation Camp

1. Provide blood and blood components collected from voluntary donors, round the clock.
2. To wipe off the scarcity of blood and ensure availability of blood and other blood components, round the clock and throughout the year. This will lead to alleviation of human sufferings, even to the far-flung remote areas in the country.

### Summary

A blood donation drive was organized at Tula's Institute, Dehradun in collaboration with National Service Scheme (NSS) on 22nd December 2021. Numerous students showed up for the blood donation drive held at Seminar Hall of the Institute. The drive was inaugurated by Dr. Raghav Garg, Vice President Technology, Tula's Institute in the presence of Director Dr. Sandip Vijay, Dean Academics Dr. Nishant Saxena, Dean Management and Agriculture Dr. Ramit Kishore. A team from IMA Blood Bank of Uttarakhand came for the conduction of the blood donation drive. During the whole drive 68 units of blood were collected from the students and staff of the Institute.

The donors were encouraged by Dr. Raghav Garg and he expressed his gratitude and thanked one and all for keeping the Tula's Institute flag high.

Director

Tula's Institute, Dehradun



TULA'S INSTITUTE, DEHRADUN

Date: 22<sup>nd</sup> December 2021

**BLOOD DONATION CAMP AT TULA'S INSTITUTE**



**Tula's**  
DEHRADUN



IMA  
**bloodbank**  
of Uttarakhand



# Blood Donation Drive

*A gift straight from your heart*

**Date:** 22<sup>nd</sup> December, 2021 | **Time:** 10:00 am onwards

**Venue:** Seminar Hall, Tula's Institute

Blood Donation Camp at Tula's Institute on 22nd December 2021

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



# TULA'S DEHRADUN

INSTITUTE

\* Approved by AICTE, Ministry of HRD, Govt. of India \* ISO 9001:2015

Affiliated: \* Uttarakhand Technical University \* Netaji Subhash University \* Uttarakhand Board of Technical Education

Ref. Tulus/Vibgyor/1221/

Date: 20-12-2021

### Notice

It is to inform all the students and staff that, Tula's Institute is going to organize blood donation camp on 22<sup>nd</sup> December 2021, at 11:00 am in the seminar hall in collaboration with IMA blood bank.

Hence, the members of staff and students' council are requested to coordinate all the students and staff to voluntarily donate their blood to save life and to make the camp a success.

Regards

Emmanuel Gabriel  
Assistant Professor, GSB  
Vibgyor Head  
Tula's Institute

Director

Tula's Institute, Dehradun

#### Vision

- To emerge as an academic centre producing world class professionals providing innovation and research.

#### Mission:

- Promote intellectual and skilled human capital generation, employment and entrepreneurship.
- Be educational centre of excellence of multi ethnicity and diversity.
- Establish as technology driven learning institution.
- Provide world class platform for research and innovation.
- Inculcate social, environmental, language values.

Dehradun P.O. Sector 5, Chhatila Road

Dehradun - 248011 (Uttarakhand, India)

www.tulas.edu.in

0133-2636228

0133-2636279

## TULA'S INSTITUTE, DEHRADUN

### Event Photographs



Inauguration of Blood Donation Camp by Vice President Technology Dr. Raghav Garg 22nd December 2021



Blood Donation Camp Organized at Tula's Institute 22nd December 2021



Director

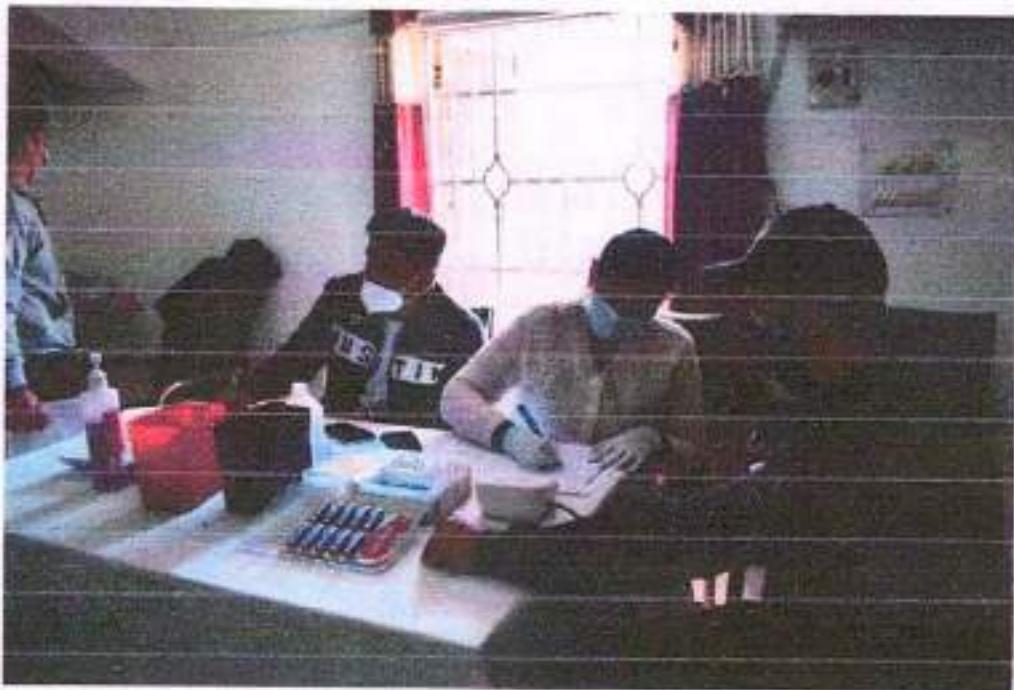
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute 22nd December 2021



Blood Donation Camp Organized at Tula's Institute 22nd December 2021

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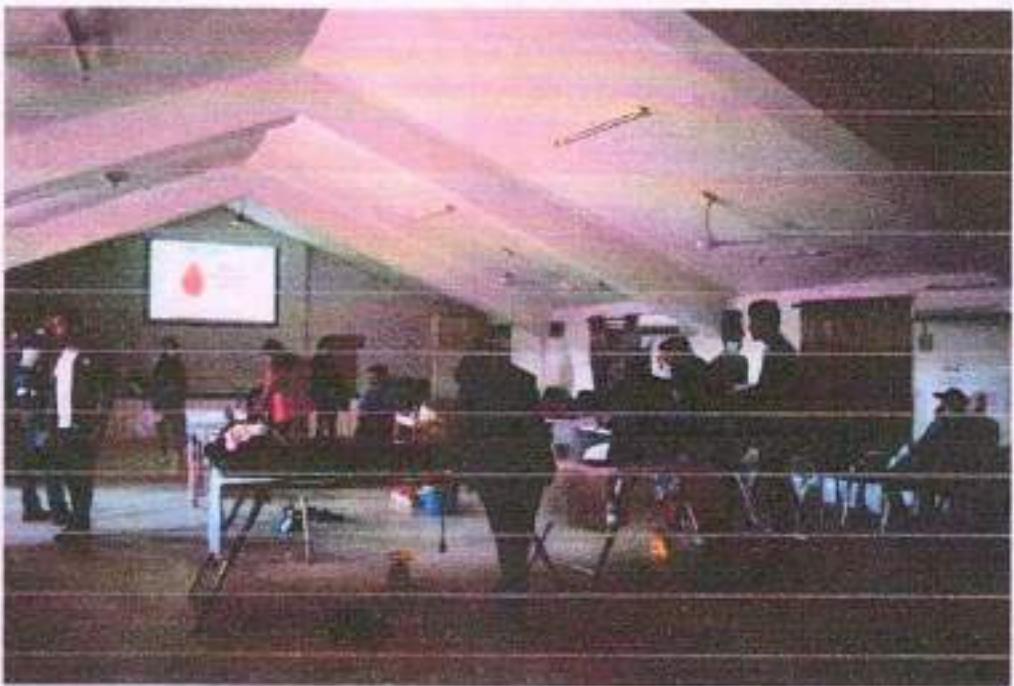
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute 22nd December 2021

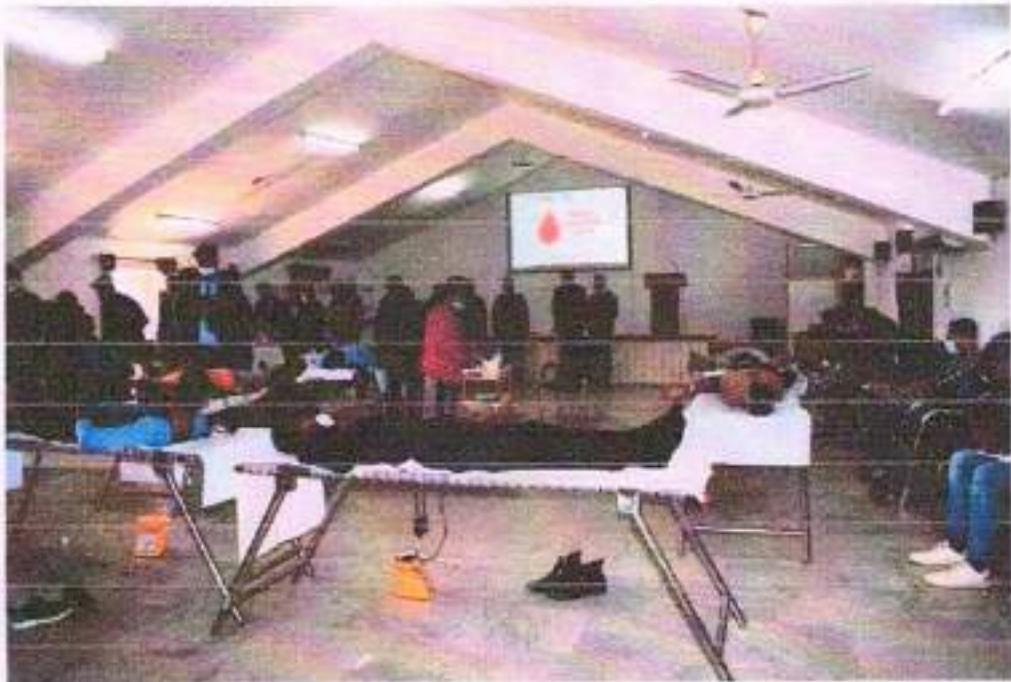


Blood Donation Camp Organized at Tula's Institute 22nd December 2021

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute Day 22nd December 2021



Blood Donation Camp Organized at Tula's Institute, 22nd December 2021.

A handwritten signature in blue ink, appearing to read "Joy".

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN

### Geo Tag Photographs of the event



Blood Donation Camp Organized at Tula's Institute 22nd December 2021



Blood Donation Camp Organized at Tula's Institute 22nd December 2021

Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute 22nd December 2021



Blood Donation Camp Organized at Tula's Institute 22nd December 2021

  
Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Institute



Dhulkot Mafi, Uttarakhand, India

BVVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India

Lat 30.342857°

Long 77.88653°

22/12/21 01:07 PM

Google

Institute



Dhulkot Mafi, Uttarakhand, India

BVRP+RM2, Dhulkot Mafi, Uttarakhand 248007, India

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Long 77.886474°

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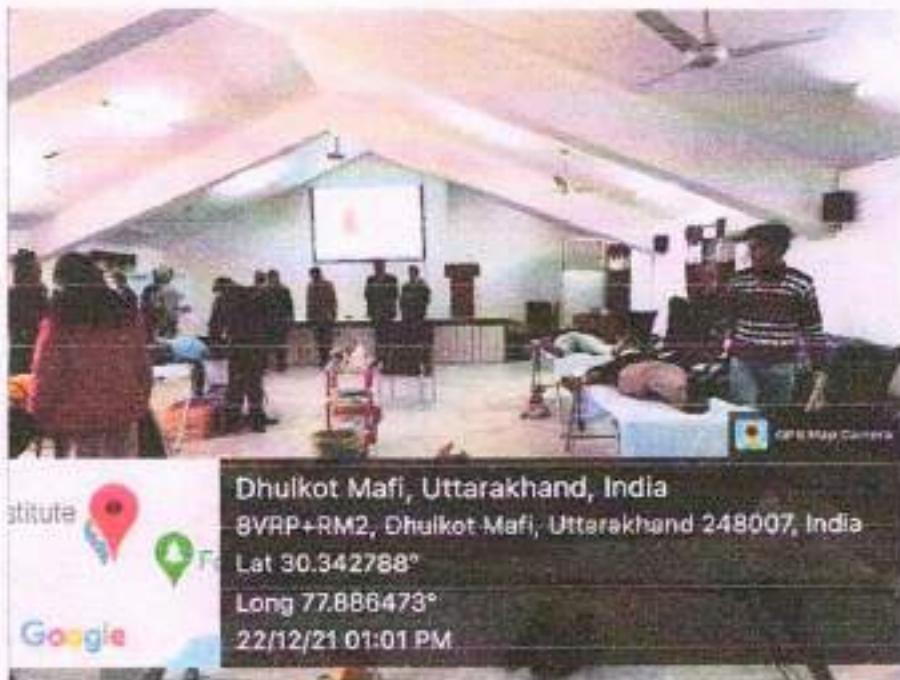
Google

Blood Donation Camp Organized at Tula's Institute 22nd December 2021

  
Director  
Tula's Institute, Dehradun



## TULA'S INSTITUTE, DEHRADUN



Blood Donation Camp Organized at Tula's Institute 2021



Blood Donation Camp Organized at Tula's Institute 2021

  
Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/PR&DM/2021-22/5498/ 61

Date : 23/07/2021

TO WHOM IT MAY CONCERN

To,

The Director  
Tula's Institute  
Dehradun  
Uttarakhand

Dear Sir,

This to certify that Tulas Institute Dhool kot, Dehradun has organized various voluntary blood donation camps on regular basis with IMA Blood Bank of Uttarakhand, Dehradun since 2007. They are also helping in providing donors on immediate requirement basis.

The details of donation done by Tulas Institute:

Year	No. of donations
2007-2009	344
2010-2012	570
2013-2015	473
2016	151
2017	178
2018	98
2019	171

Regards,

(Dr. Sanjay Upreti)

Director Technical & Operations  
IMA Blood Bank of Uttarakhand

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/PR&LM/2020-21/5432/302/02

Date : 25/03/2021

To,

The Director  
Tula's Institute  
Dehradun, Uttarakhand

Sub: Letter of Appreciation

Dear Sir,

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tula's Institute on 16<sup>th</sup> September, 2019, we have collected 171 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again,

Regards,

(Dr. Sanjay Upreti)  
Director Technical & Operation  
IMA Blood Bank of Uttarakhand

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/PR&M/2020-21/5433/303/02

Date : 25/03/2021

To,

The Director  
Tula's Institute  
Dehradun, Uttarakhand

Sub: Letter of Appreciation

Dear Sir,

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tula's Institute on 2<sup>nd</sup> May 2018, we have collected 98 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again,

Regards

(Dr. Sanjay Upadhyay)  
Director Technical & Operation  
IMA Blood Bank of Uttarakhand

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/APRLM/2020-21/5434/304/02

Date : 25/03/2021

To,

The Director  
Tula's Institute  
Dehradun, Uttarakhand

Sub: Letter of Appreciation

Dear Sir,

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tula's Institute on 19<sup>th</sup> April 2017, we have collected 178 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again,

Regards,

(Dr. Sanjay Upadhyay)  
Director Technical & Operation  
IMA Blood Bank of Uttarakhand

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/PR&LM/2020-21/5436/306/02

Date : 25/03/2021

To,

The Director  
Tula's Institute  
Dehradun, Uttarakhand

Sub: Letter of Appreciation

Dear Sir,

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tula's Institute on 19<sup>th</sup> February, 2016, we have collected 151 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again,

Regards/

(Dr. Sanjay Upreti)  
Director Technical & Operation  
IMA Blood Bank of Uttarakhand

Director  
Tula's Institute, Dehradun



## IMA Blood Bank of Uttarakhand

No. IMABB/ADMIN/PR&M/2020-21/5435/305/02

Date : 25/03/2021

To,

The Director  
Tula's Institute  
Dehradun, Uttarakhand

Sub: Letter of Appreciation

Dear Sir,

IMA Blood Bank of Uttarakhand wishes to thank you and your members for whole hearted participation in the noble cause of donating blood. In the blood donation camp organized by Tula's Institute on 11<sup>th</sup> February, 2015, we have collected 179 blood units. We expect the same level of support & cooperation from you in future blood donation camps.

We look forward to have a long association with you.

Thanking you once again,

Regards

  
(Dr. Sanjay Upreti)  
Director Technical & Operation  
IMA Blood Bank of Uttarakhand

  
Director  
Tula's Institute, Dehradun

**IMA BLOOD DONATION AT TULA'S INSTITUTE**

**21.02.2011**



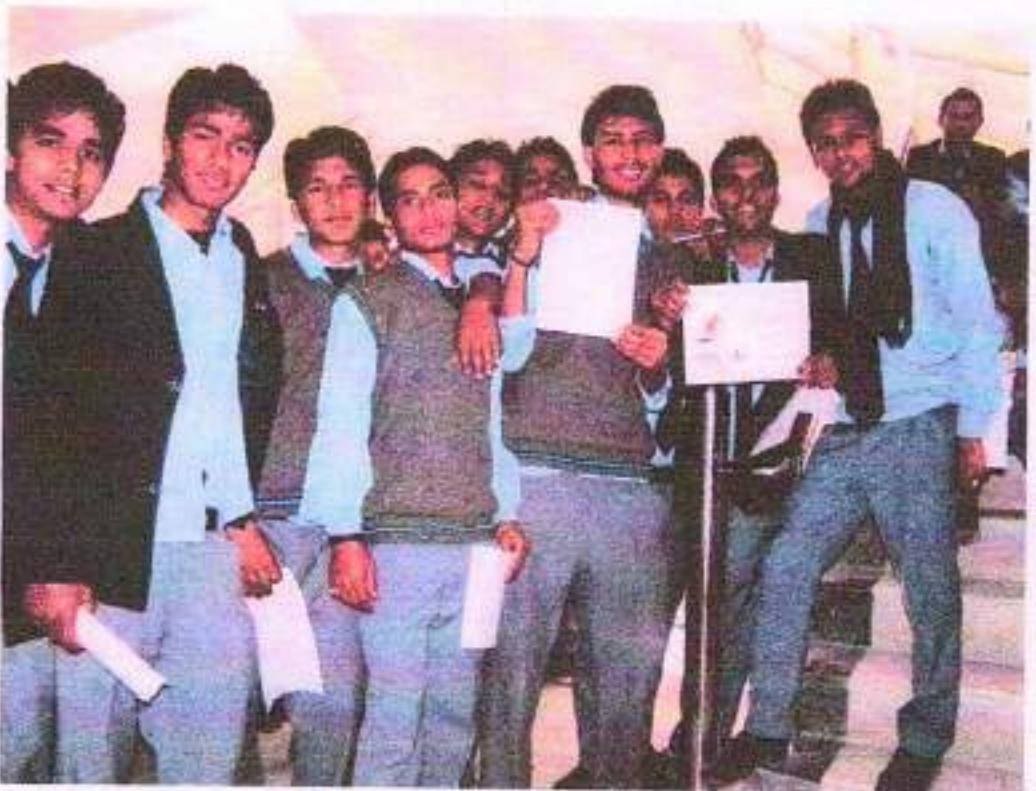
**IMA BLOOD DONATION AT TULAS INSTITUTE ON 21.02.2011**



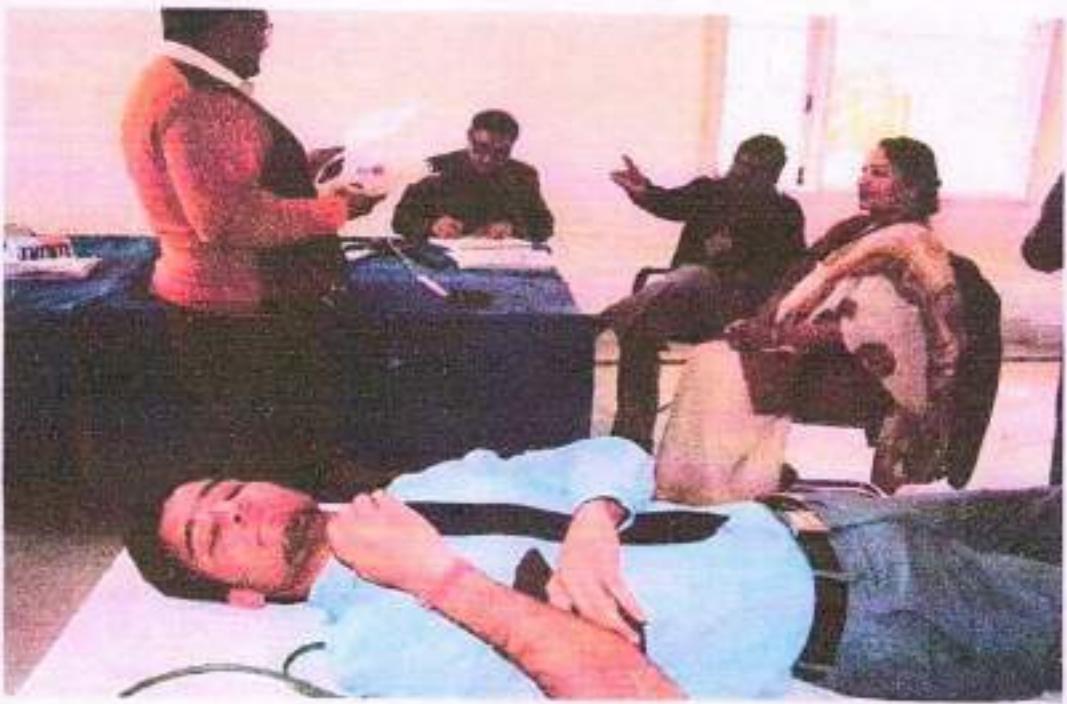
**IMA BLOOD DONATION AT TULAS INSTITUTE ON 21.02.2011**

**Director  
Tula's Institute, Dehradun**

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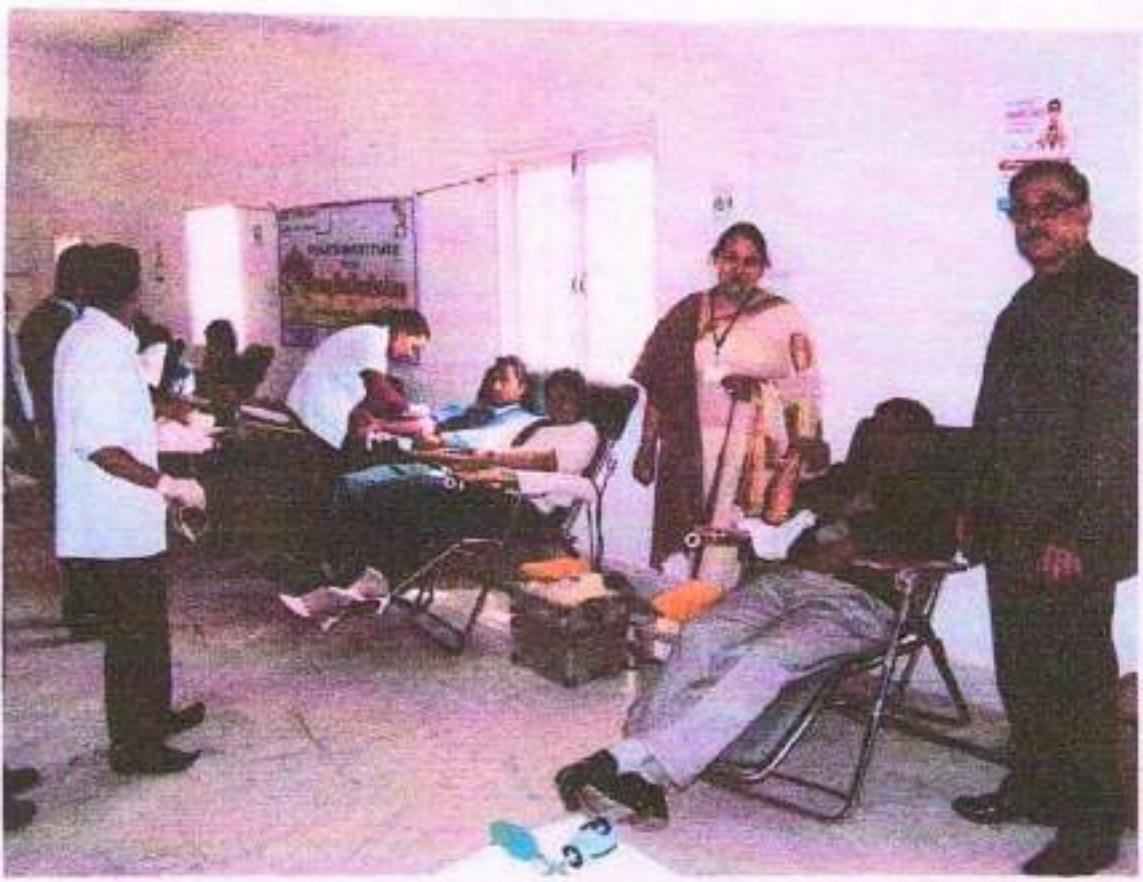
IMA BLOOD DONATION AT TULAS INSTITUTE ON 21.02.2011



IMA BLOOD DONATION AT TULAS INSTITUTE ON 21.02.2011

A handwritten signature in blue ink, which appears to be "Sug".

Director  
Tula's Institute, Dehradun

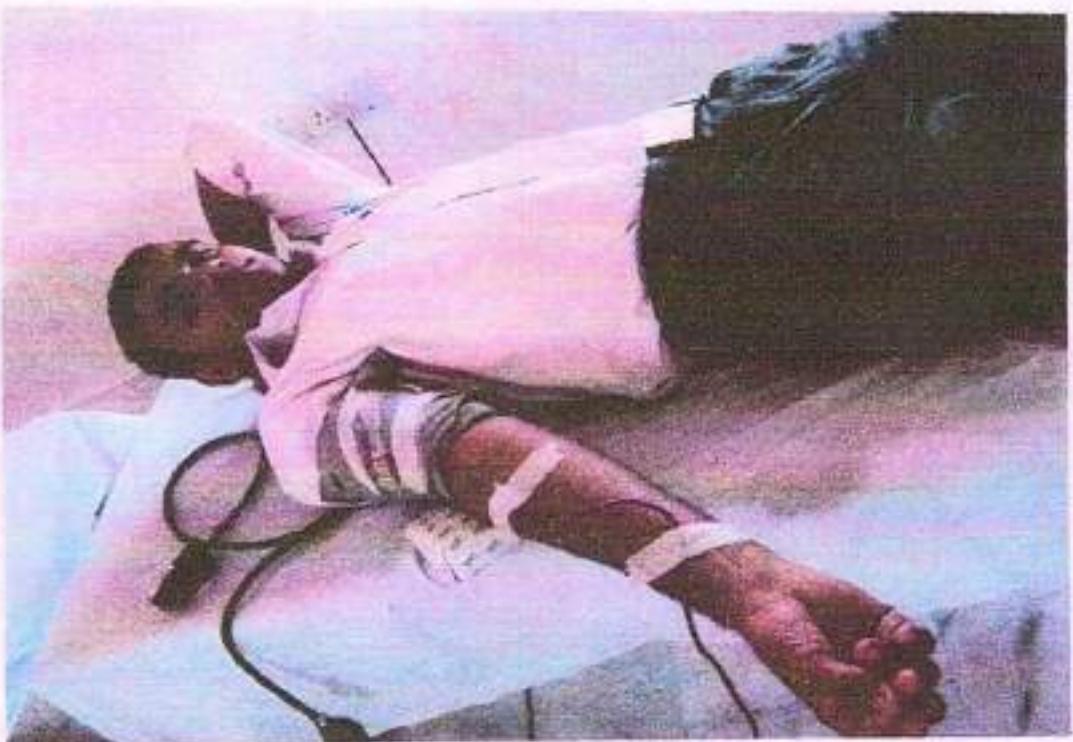


**IMA BLOOD DONATION AT TULAS INSTITUTE ON 21.02.2011**

Director  
Tula's Institute, Dehradun

**IMA BLOOD DONATION AT TULA'S INSTITUTE**

**19.09.2011**



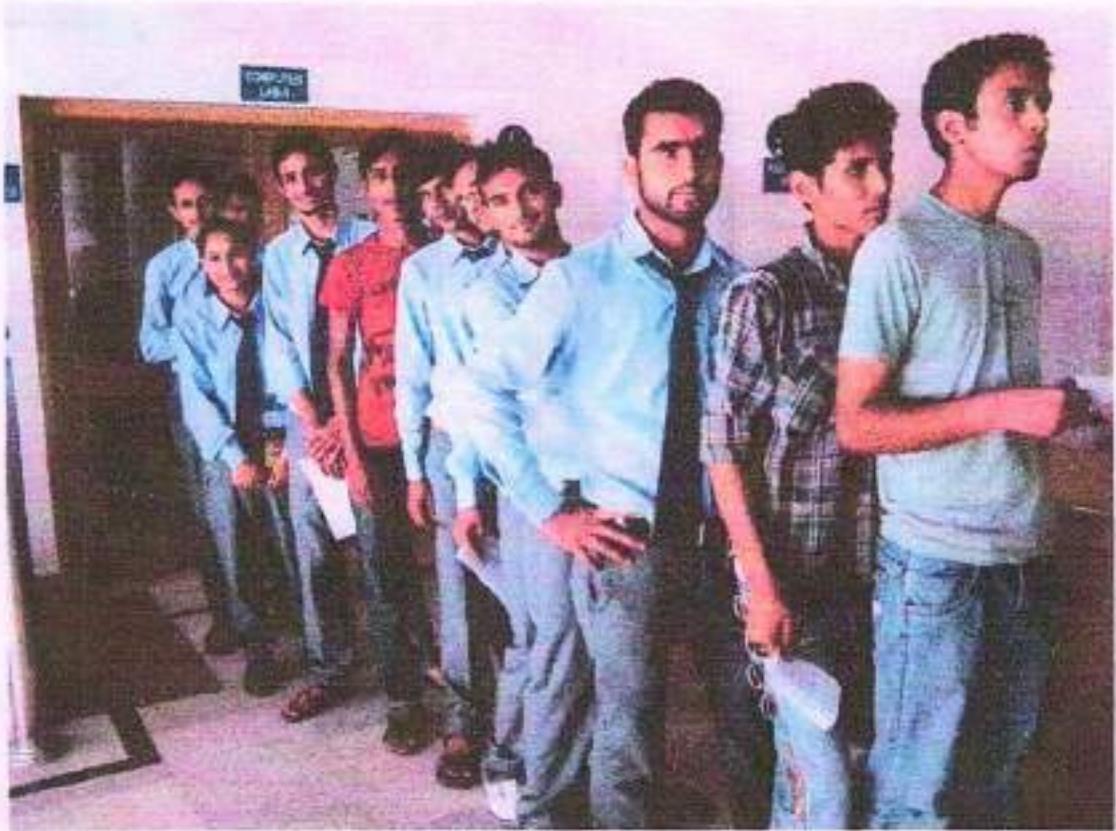
**IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.09.2011**

  
**Director**

**Tula's Institute, Dehradun**



IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.09.2011

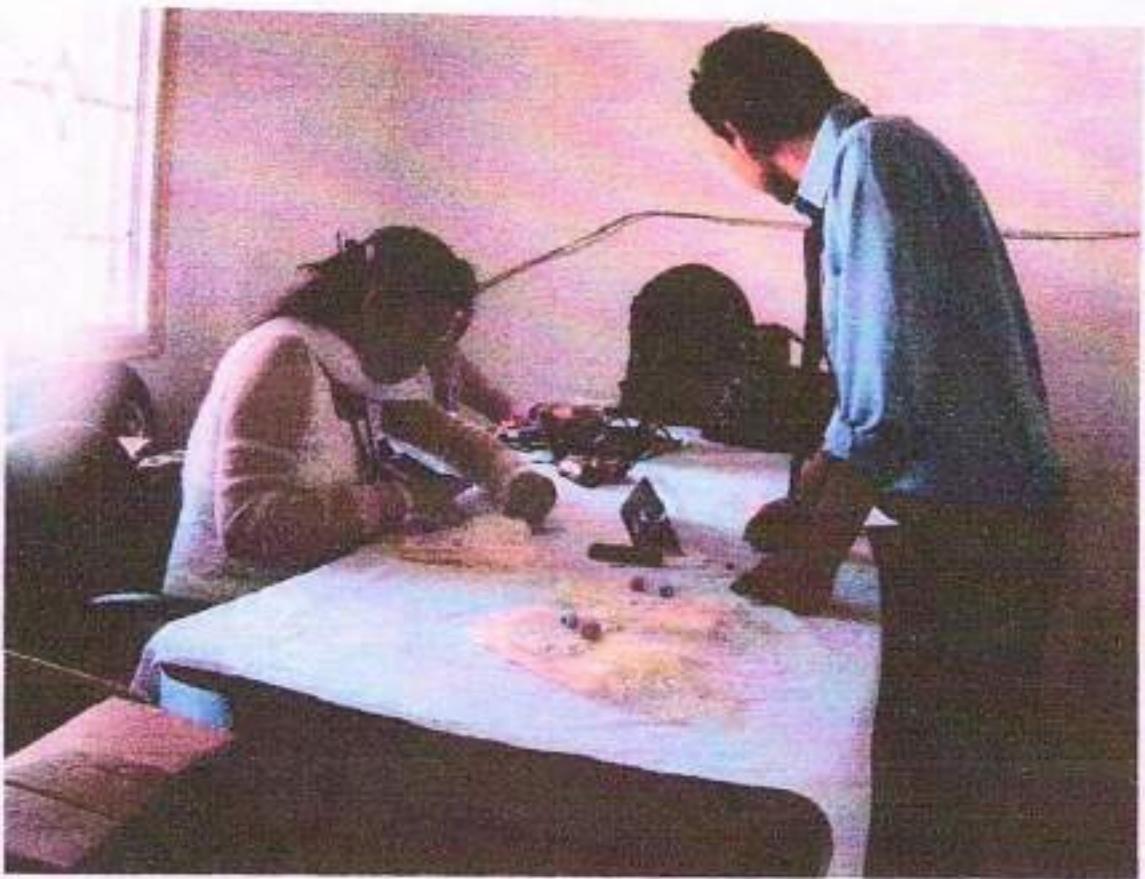


IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.09.2011

A handwritten signature in blue ink, appearing to read "Rajesh".

Director

Tulás Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.09.2011

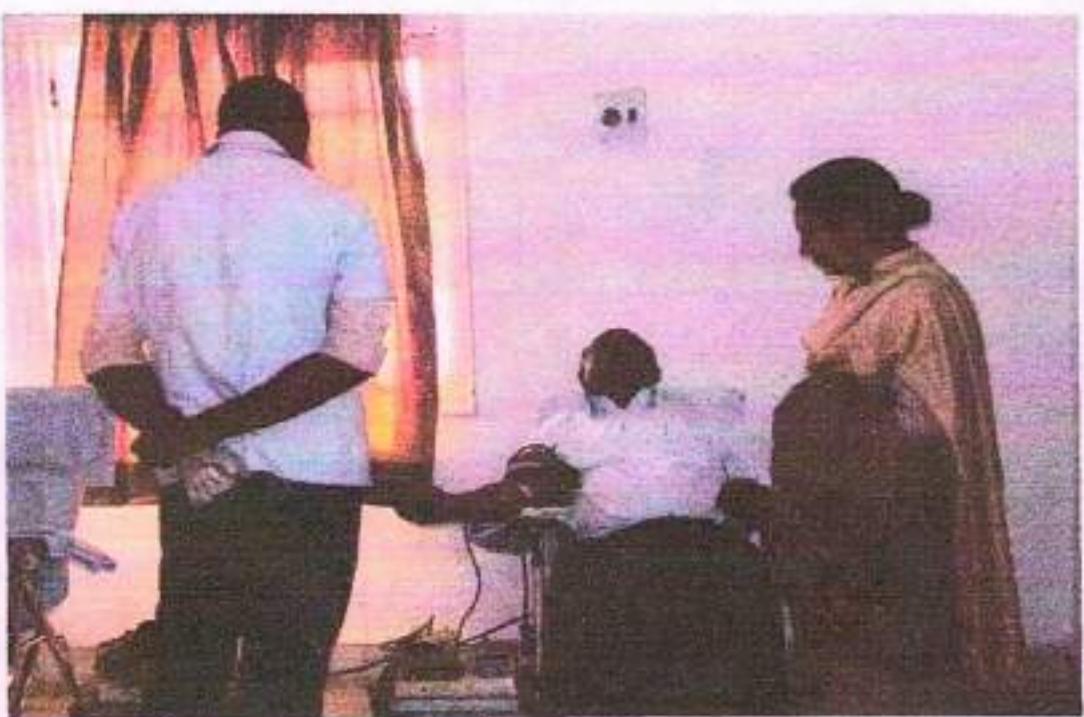
Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

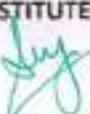
06.02.2012



IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2012

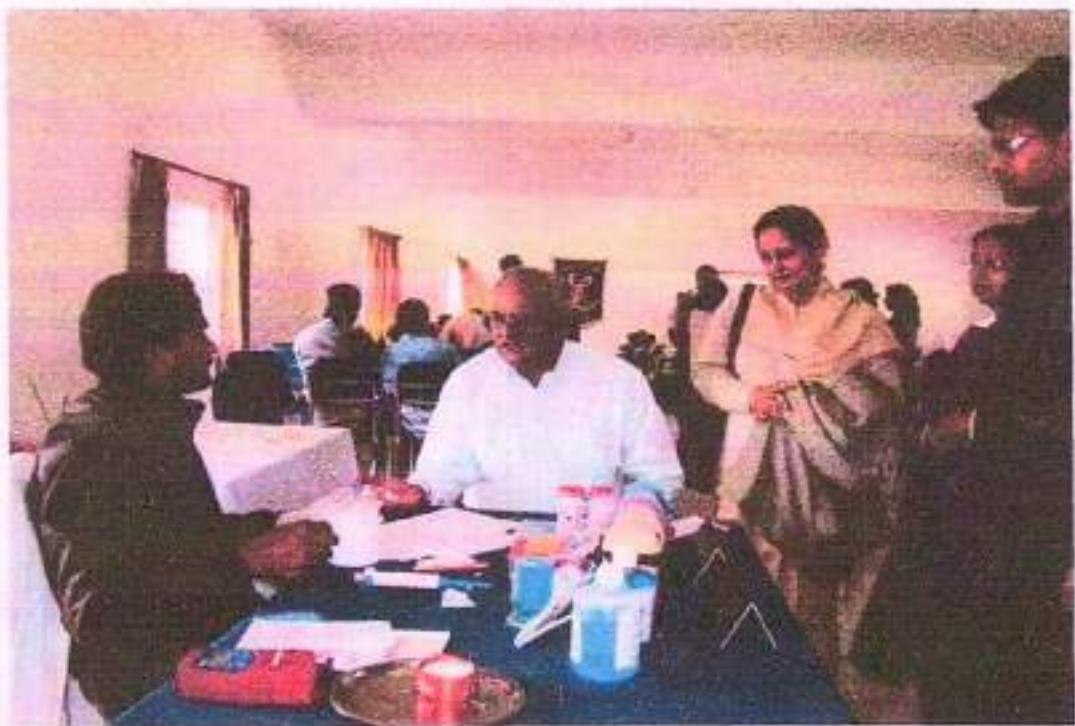


IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2012

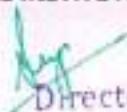
  
Director  
Tula's Institute, Dehradun

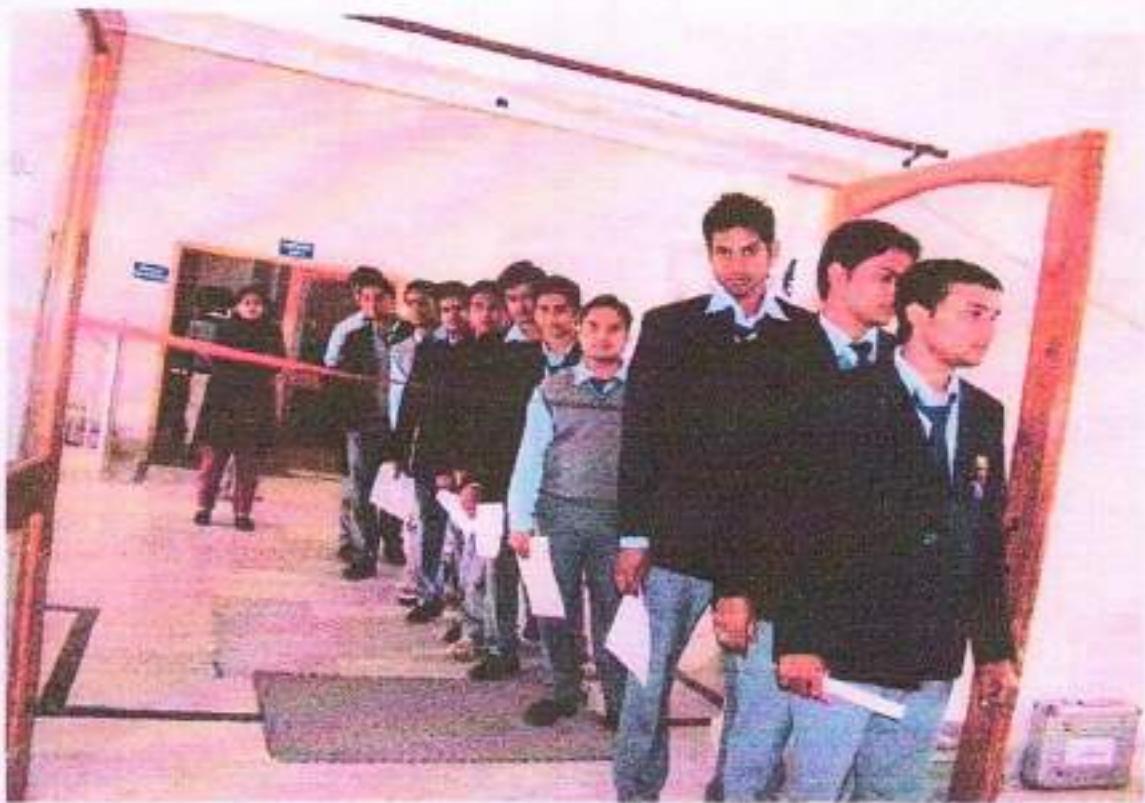


IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2012



IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2012

  
Director  
Tula's Institute, Dehradun



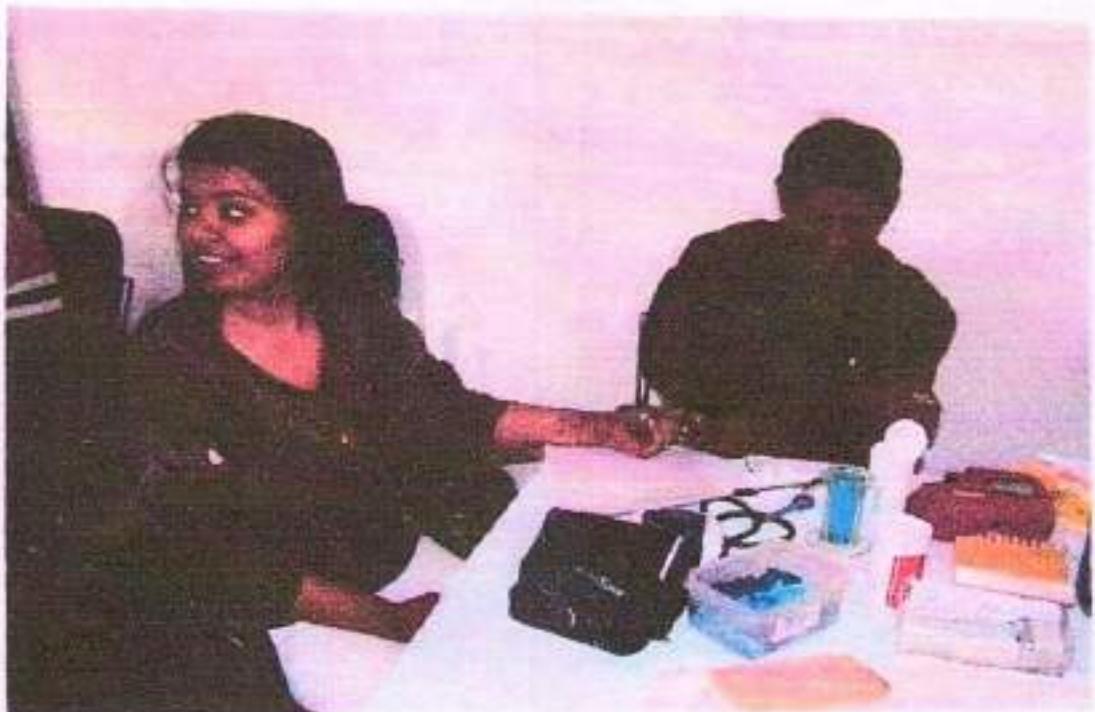
**IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2012**



Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

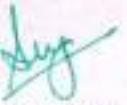
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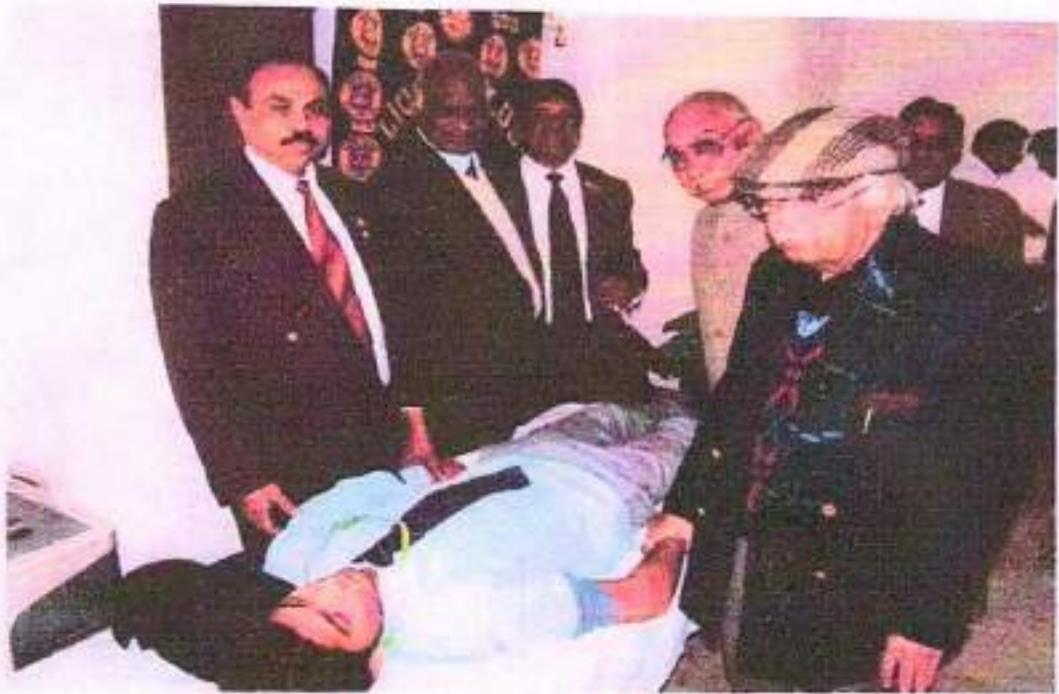


IMA BLOOD DONATION AT TULAS INSTITUTE ON 07.02.2013



IMA BLOOD DONATION AT TULAS INSTITUTE ON 07.02.2013

  
Director  
Tula's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 07.02.2013



A handwritten signature in green ink, appearing to read "Shyam".

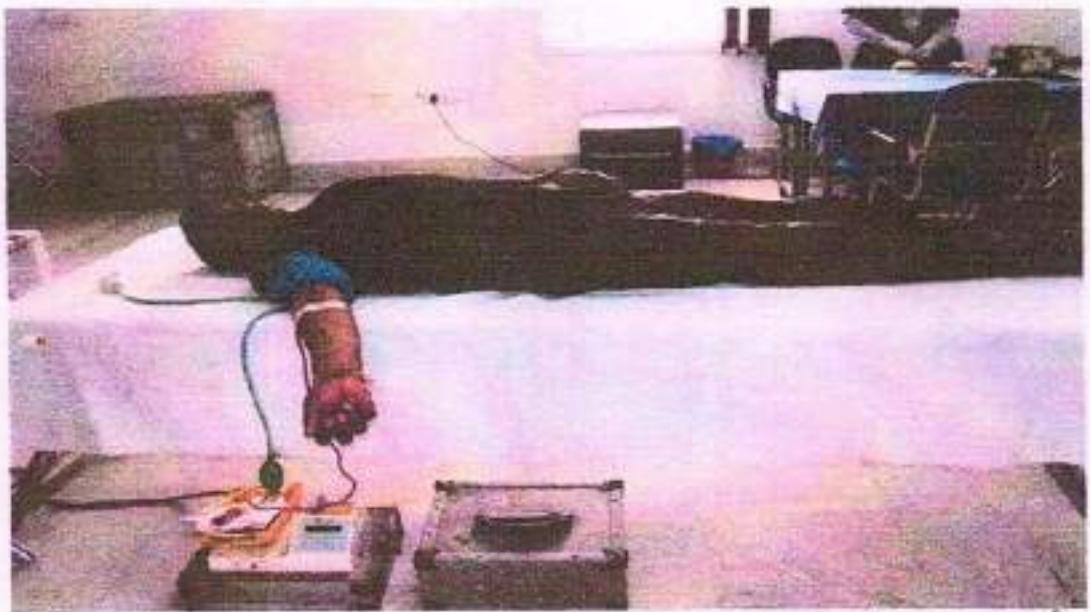
Director  
Tula's Institute, Dehradun

**IMA BLOOD DONATION AT TULA'S INSTITUTE**

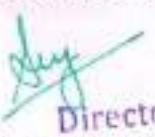
**06.02.2014**

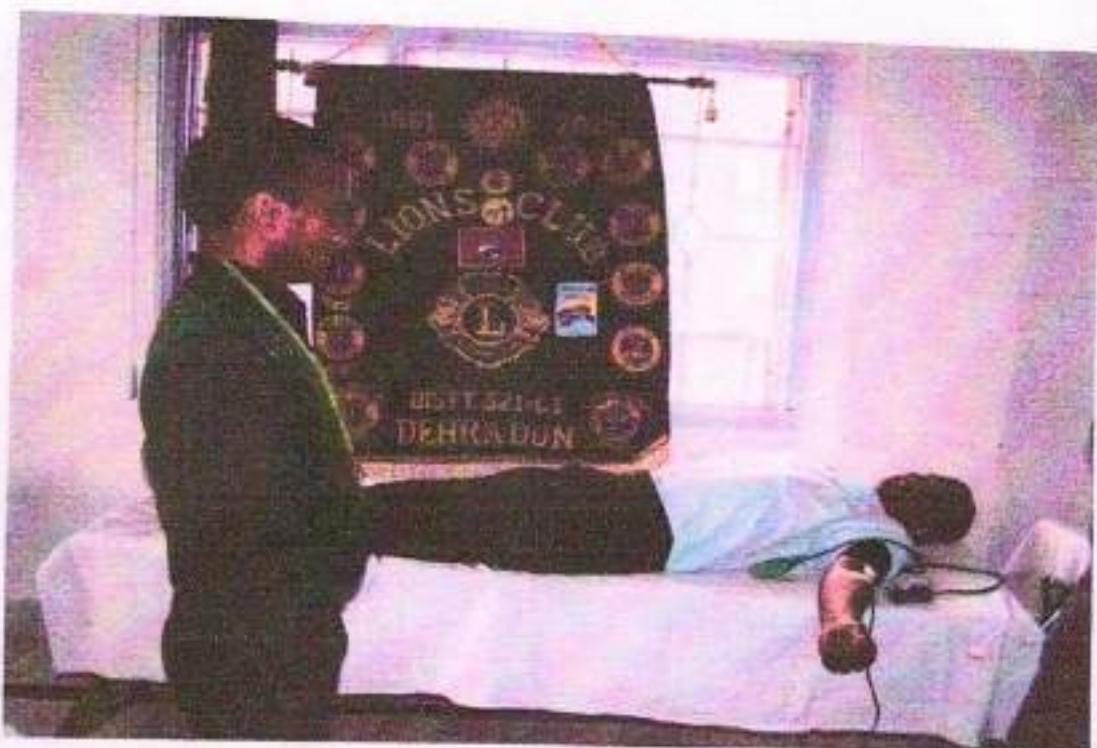


**IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2014**

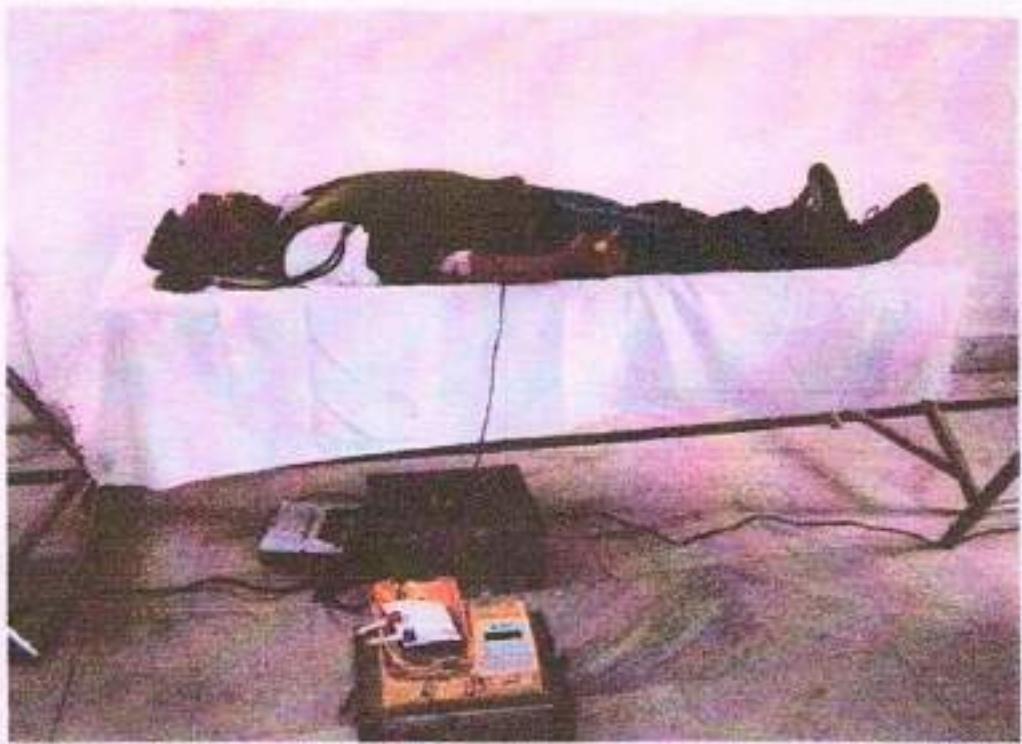


**IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2014**

  
Director  
Tula's Institute, Dehradun



**IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2014**



**IMA BLOOD DONATION AT TULAS INSTITUTE ON 06.02.2014**

  
Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

ON

11.02.2015



IMA BLOOD DONATION AT TULAS INSTITUTE ON 11.02.2015



IMA BLOOD DONATION AT TULAS INSTITUTE ON 11.02.2015

  
Director  
Tula's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 11.02.2015



IMA BLOOD DONATION AT TULAS INSTITUTE ON 11.02.2015

A handwritten signature in black ink, appearing to read "D.S. Tuls".

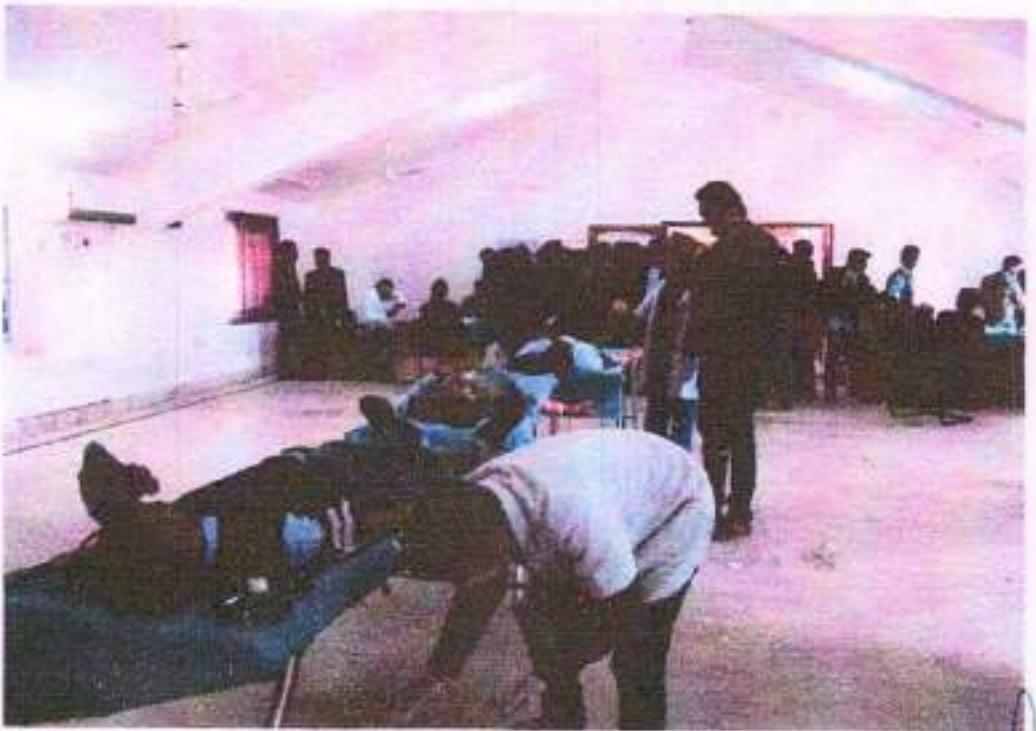
Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

16.02.2016



IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.02.2016



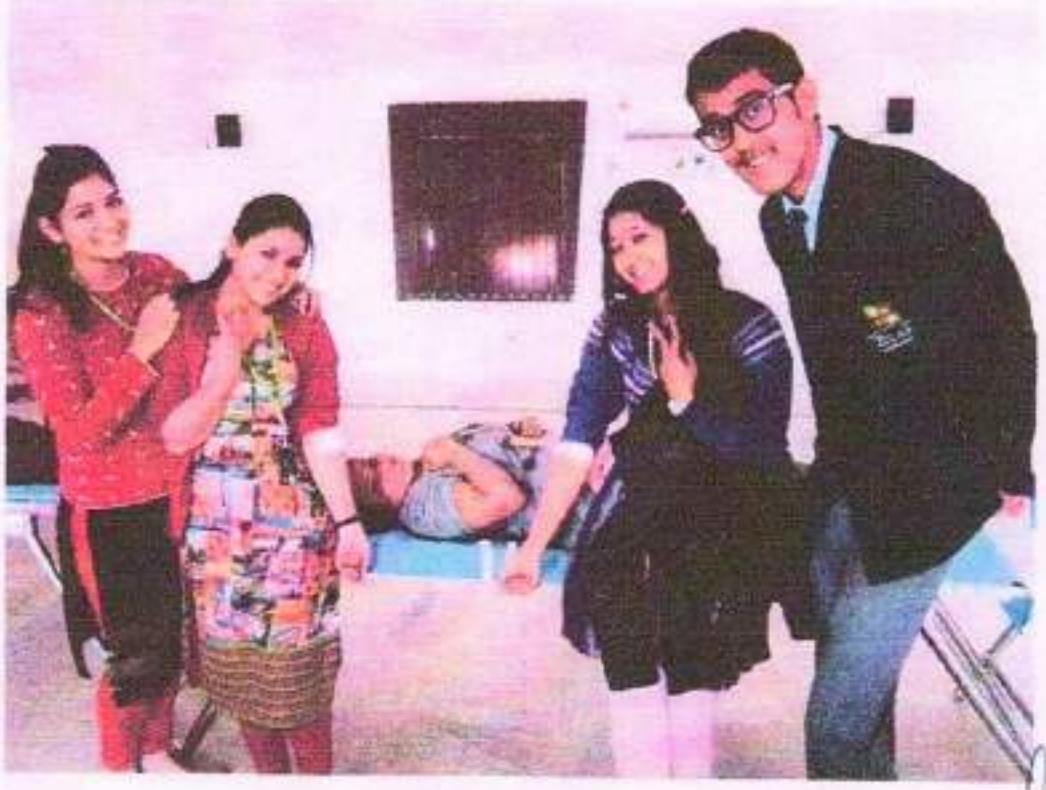
IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.02.2016

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

Director  
Tula's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.02.2016



IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.02.2016

  
Director  
Tulsa's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.02.2016



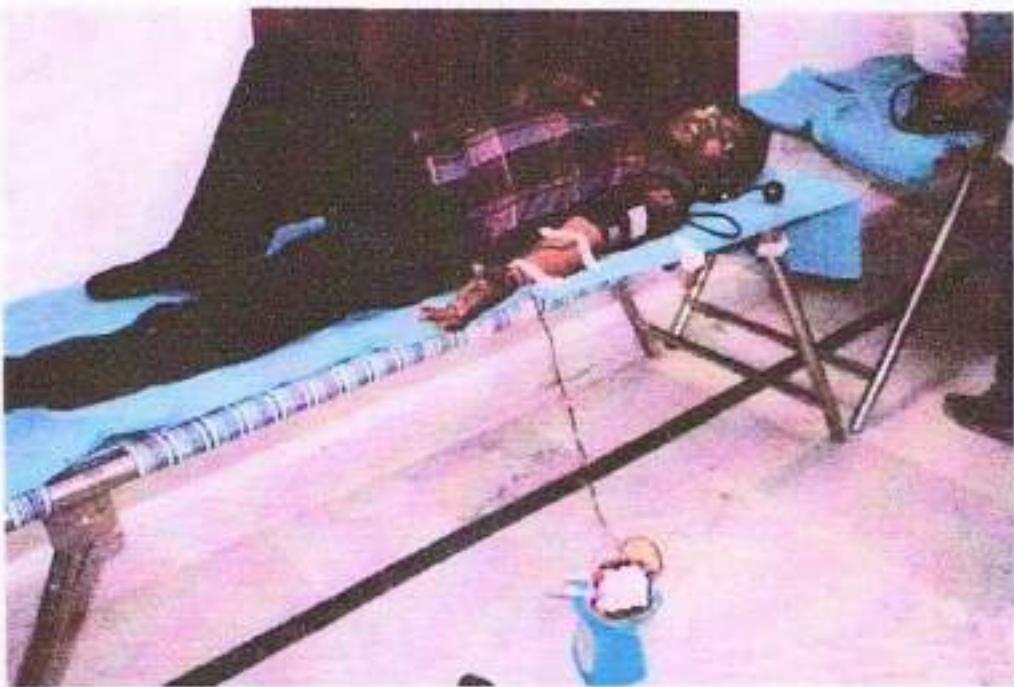
Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

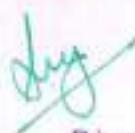
19.04.2017

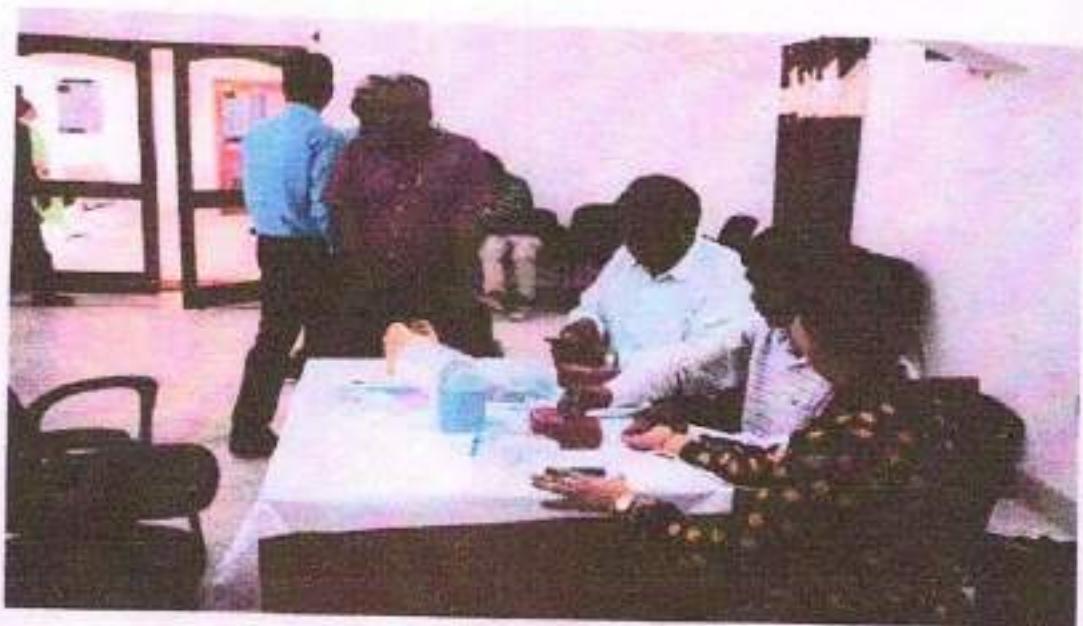


IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.04.2017

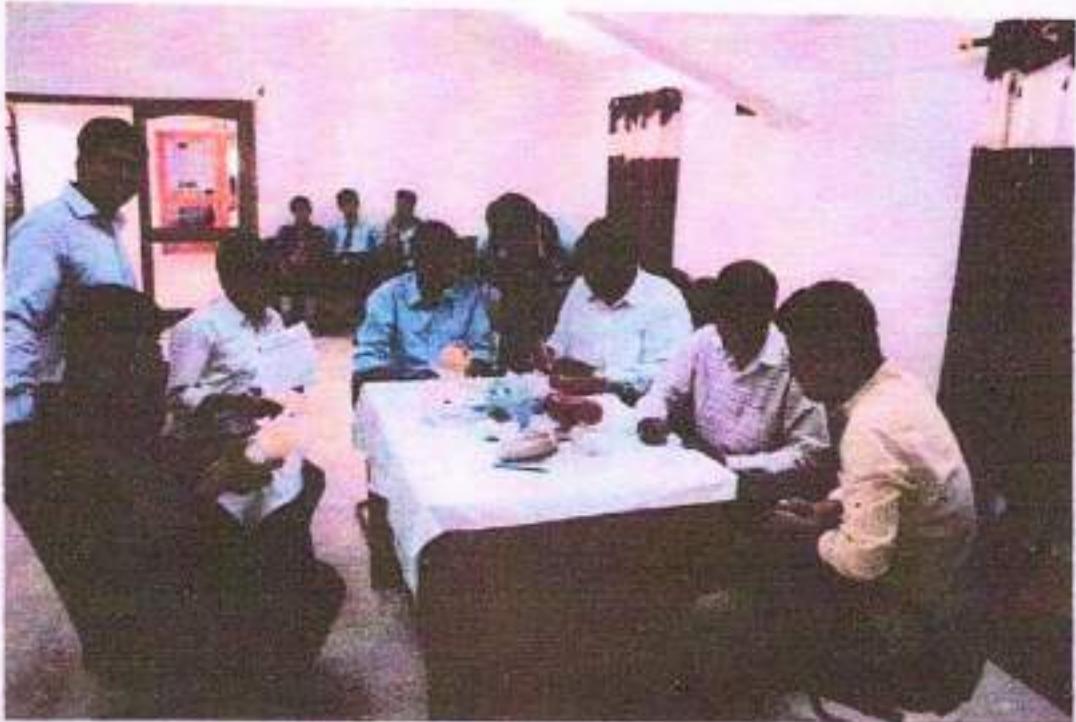


IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.04.2017

  
Director  
Tula's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.04.2017



IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.04.2017

Director  
Tula's Institute, Dehradun



IMA BLOOD DONATION AT TULAS INSTITUTE ON 19.04.2017

Director  
Tula's Institute, Dehradun



**IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.09.2019**



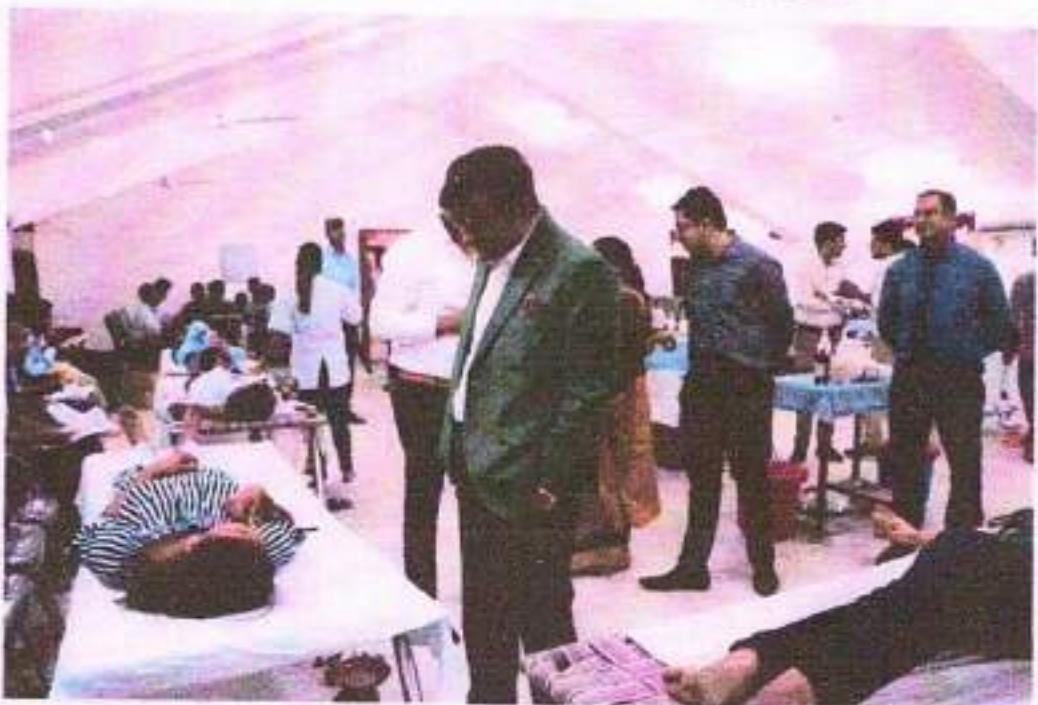
Director  
Tula's Institute, Dehradun

IMA BLOOD DONATION AT TULA'S INSTITUTE

16.09.2019



IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.09.2019



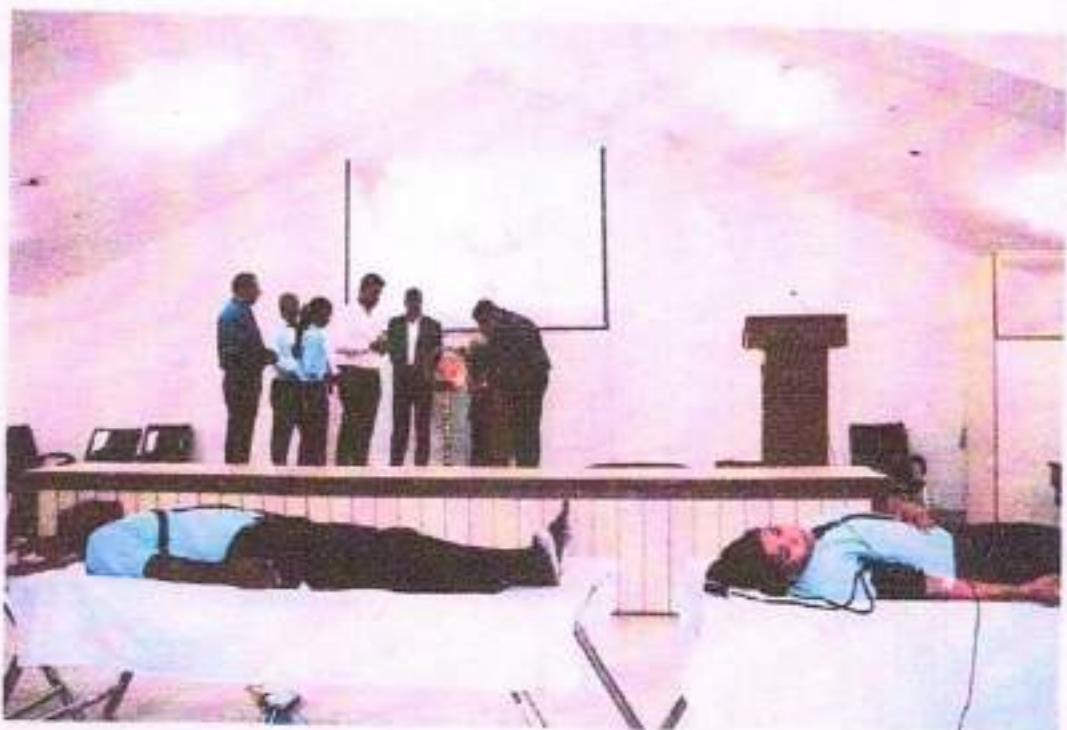
IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.09.2019

A handwritten signature in blue ink, likely belonging to the Director of Tula's Institute.

Director  
Tula's Institute, Dehradun



**IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.09.2019**



**IMA BLOOD DONATION AT TULAS INSTITUTE ON 16.09.2019**

A handwritten signature in black ink, which appears to read "Tulsi".

Director  
Tula's Institute, Dehradun



# IMA Blood Bank of Uttarakhand



## Certificate of Appreciation

Presented to Mr / M/s Tarun Kumar of Tula's Institute  
for voluntary blood donation on 16<sup>th</sup> of Sep 2019.

We thank you for your contribution towards the noble cause.

  
Signature

Dr. Hanish Sharma  
Name & Designation

47, Balupur Road, Dehradun - 248006, Ph. : 0135-2755010, 11, 12. [www.imabbua.org.in](http://www.imabbua.org.in)

Director  
Tula's Institute, Dehradun

YASHPAL SINGH RANORE

Safe blood begins with me



Donate Blood - Save Lives

IMA  
**bloodbank**  
of uttarakhand  
We Help Save Lives

47 Ballupur Road, Dehradun,  
Ph. :- 0135 2755010, 11,12 93596 284

website : [www.imabbua.org.in](http://www.imabbua.org.in)  
email: [info@imabbua.org](mailto:info@imabbua.org)

Project on Social Marketing of Voluntary Blood Donation  
Supported by  
SIR RATAN TATA TRUST

TULA'S INSTITUTE DEHRADUN.

We highly appreciate your invaluable support for the  
noble cause of Voluntary Blood Donation.  
The Society stands indebted to you.

Managing Director

Director  
Tula's Institute, Dehradun

YASHPAL SINGH RATHORE

TULA'S INSTITUTE

We highly appreciate your invaluable support for the  
noble cause of Voluntary Blood Donation.

The Society stands indebted to you.

Guru  
Managing Director

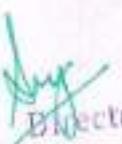


IMA

**bloodbank**  
of uttarakhand



47 Ballupur Road, Dehradun, Phone No. - 0135 755010, 2755011

  
Director  
Tula's Institute, Dehradun

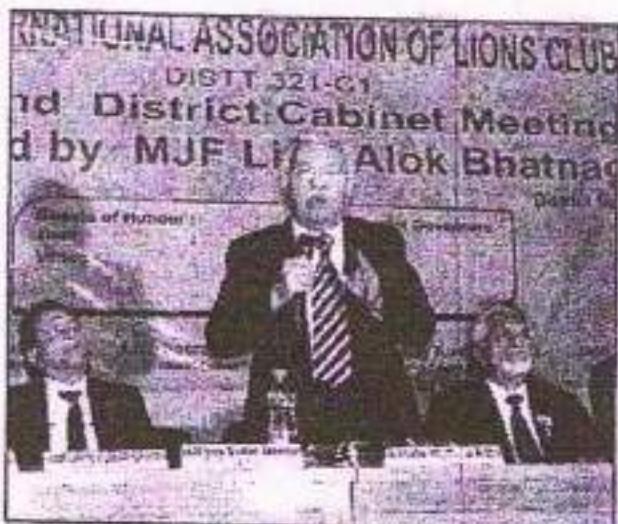
# नेत्र और रक्तदान के लिए जागरूकता पर जोर

देहरादून (एसएनबी)। लायन्स इंटरनेशनल की द्वितीय डिस्ट्रिक्ट कैबिनेट मीटिंग में नेत्रदान व रक्तदान के प्रति जागरूकता लाने का आह्वान किया गया। मीटिंग में कलब के कार्यों व आप-व्यव स्थोरा प्रस्तुत किया गया। इस मैट्के पर तुलाज

## ► लायंस इंटरनेशनल की डिस्ट्रिक्ट कैबिनेट की मीटिंग

इस्टीट्यूट के चेयरमैन व लायंस कलब के रीजनल चेयरपर्सन लायन सुनील कुमार जैन को पीएमजेएफ के पद से सम्मानित किया गया। रविवार को धूकोट स्थित तुलाज इस्टीट्यूट में आखोजित मीटिंग में डिस्ट्रिक्ट चेयरपर्सन लायनेस राज शिपले व डिस्ट्रिक्ट लिनोज चेयरपर्सन विजय तायल ने कार्यों का विवरण प्रस्तुत किया।

उन्होंने कहा कि कलब द्वारा अपंग लोगों की आर्थिक मदद, मुफ्त दवाइयों का वितरण, विकलांगों को इड साइकिल उपलब्ध करने समेत कई कार्य किए जा रहे हैं। कार्यक्रम अध्यक्ष पीएमजेएफ लायन आलोक भटनागर ने कहा कि कलब निबर्द व असहाय लोगों की सहायता के



लायंस इंटरनेशनल की द्वितीय डिस्ट्रिक्ट कैबिनेट की मीटिंग में विचार व्यवहार करते व्यक्ति।

लिए सदैव तरपर है। उन्होंने नेत्रदान के साथ-साथ रक्तदान के लिए लोगों को जागरूक करने के लिए एकजुटता के साथ कार्य करने का आह्वान किया। तुलाज इस्टीट्यूट के चेयरमैन व पीएमजेएफ लायन सुनील कुमार जैन ने कहा कि लायंस कलब पूर्ण निष्ठा व ईमानदारी के साथ समाज की सेवा कर रहा है।

इस मैट्के पर कैबिनेट सेकेटरी विजय कुमार शर्मा, नीरज कुमार, डिस्ट्रिक्ट को-ऑफिनेटर सुनील निगम, जितेन्द्र प्रकाश, जौहर जाखवाल, मुकेश गोपल, सुधीर जनमेजा, अनु लाम्बा व संगीता जैन समेत अनेक लोगों ने विचार व्यक्त किए।

**त्रिवेदी २१ नवंबर २०१५**

*Sanjay*  
Director  
Tula's Institute, Dehradun

## दिन्मुक्तान लायंस ने कहा करें दक्षतान

देहरादून। श्वेतकांट स्थित तुलाज इंस्टीट्यूट में लायंस इंटरनेशनल को हिन्दी डिस्ट्रिक्ट कैबिनेट में नेत्र व रक्तदान का आहान किया गया। मीटिंग का आयोजन तुलाज इंस्टीट्यूट के चेयरमैन सुनील जैन ने किया, जबकि अध्यक्षता आलोक भट्टनागर ने की।

आयोजन का मुख्य उद्देश्य बलब के कार्यों का व्योरा व प्राइवेशियल रिपोर्ट बनाने व जमा करने से संबंधित रहा। डिस्ट्रिक्ट लायंस चेयरपर्सन गज शिपले, डिस्ट्रिक्ट लियोज चेयरपर्सन विजय तायल ने खुद के कार्यों का विवरण पेश किया। इस पांके पर सुनील कुमार जैन को पीएमजेएफ के पद से सम्मानित किया गया। बैठक में विजय कुमार शर्मा, नीरज कुमार, सुनील निगम, जितेन्द्र प्रकाश, मुकेश, सुधीर जनमेजा, अनु व संगीता जैन उपस्थित थे।

## गवर्नर की यात्रा



अमृत ३८०१

# तुलाज़ इंस्टीट्यूट

## तुलाज में रक्तदान शिविर आयोजित

पली की  
मा किया  
पर ही  
त सड़क  
गापदा मद  
सरी और  
ब्रत कहते  
रे में कोई  
को मौके  
गी।

देहरादून। तुला इंस्टीट्यूट में रक्तदान शिविर में छात्र-छात्राओं ने उत्साहपूर्वक भाग लिया। शिविर में 500 छात्र-छात्राओं ने रक्तदान किया। संस्थान के डायरेक्टर सुनील कुमार जैन ने रक्तदान कर शिविर की विधिवत शुरुआत की। सभी रक्तदान करने वालों को डोनर कार्ड प्रदान किया गया। साथ ही खुन की जांच के बाद हेपेटाइटिस सी, एचआईवी, एडस, सलेरिया, सिम्फेलस और ब्लड ग्रुप आदि की रिपोर्ट दी गई। शिविर में संस्थान के रेजिस्ट्रार अशोक भारद्वाज, अमित शर्मा, पवन कुमार चौबे, रवि प्रिया मौजूद थे।

Director  
Tula's Institute, Dehradun

२०१७ जूलाइ (६)

[www.jagran.com](http://www.jagran.com)



तुलाज इंस्टीट्यूट में आयोजित हितिर ने रक्तदान करते लोग।

जागरण

## तुलाज इंस्टीट्यूट में 500 ने किया रक्तदान

**देहरादून:** रक्त को चूंचिय रूप से तैयार नहीं किया जा सकता। ऐसे में जरूरतमंद लोगों के लिए रक्तदान के माध्यम से एकत्र रक्त ही जीवन बनता है। तुलाज इंस्टीट्यूट में आयोजित रक्तदान शिविर में संस्थान के चेयरमैन सुनील जैन ने कहा कि रक्तदान के लिए हर किसी को आगे आना चाहिए। शिविर में संस्थान के चेयरमैन समेत 500 से ज्यादा छात्रों, शिक्षकों व कर्मचारियों ने रक्तदान किया।

सोमवार को आईएमए ब्लड बैंक के महोरों से तुलाज इंस्टीट्यूट में रक्तदान शिविर का गुमारंभ संस्थान के चेयरमैन सुनील जैन व एजीबीयूटिव डायरेक्टर सिल्की जैन ने रक्तदान कर किया। इस मौके पर उन्होंने कहा कि रक्तदान जीवनदान के समान है। दृष्टिना, बीमारी का किसी अन्य कारण से ज्यवत की ज़मरत को पूरा करने का एकमात्र माध्यम रक्तदान ही।

इस मौके पर संस्थान ने छात्रों व समस्त रक्तदाताओं के रक्त की जांच कराई। साथ ही रक्तदान करने वालों की संहिता व आईएमए की ओर से प्रमाणपत्र प्रदान किए गए। शिविर में संस्थान के निदेशक एसके गुप्ता, रजिस्टर अशोक भास्कर, अमित शर्मा, पवन कुमार और समेत तमाम शिक्षकों, कर्मचारियों व छात्रों ने रक्तदान किए।

Director  
Tula's Institute, Dehradun

T Next

### Blood donation camp organised

#### DEHRADUN :

टिला के नूलाब  
इंस्टीट्यूट में घरें को  
ब्लड डोनेशन कैप  
आधिकारिक किया  
गया। कैप को  
इतिहासिक इंस्टीट्यूट  
के चंचरमेन सुनोल  
कृमार्ग ने किया, कैप  
में 550 में ज्यादा  
लोगों ने ब्लड डोनेट  
किया। इस घीके पर इंस्टीट्यूट के आला अधिकारियों से लेकर कर्मचारियों ने भी योगदान दिया।  
कैप में भारी संख्या में स्टूडेंट्स वीचूद रहे।



शाहिद का, दबई में, काम करने वाले शाहिद के लिए जल्दी गज़ा, इस बार जब जह इंजिन

Director

Tula's Institute, Dehradun

# ब्लड बैंक को दान की मोबाइल वैन

**देहरादून** (एसएनवी)। दि इंटरनेशनल एसोसिएशन ऑफ लायसेस व्हिवर ने अहम ब्लड बैंक को वुधवार को ब्लड डोनेशन मोबाइल वैन डोनेट (दान) को। मोबाइल वैन विकिरसा उपकरणों से सुरक्षित है।



इस अवसर पर चक्रवाती रोड रियर इंडियन मैट्रिकल एसोसिएशन के सभागार में शाम को हैंडिग्लोबर सेरेब्री आयोग्निकी

थी। लायन जक्सन गुलाटी ने चार्टर मुख्य अधिकारी सेरेब्रो वज्र शुभार्थ किया। उन्होंने उम्मीद जराई कि लायस व्हिवर व अहम ब्लड बैंक मिलकर लोगों को स्वीच्छक रक्तदान के हित प्रेरित करें। अहम ब्लड बैंक के अध्यक्ष डा. भौमि सिंह पाणी, प्रबोध किंद्रक डा. उमर शही, डा. अराधन मिंह, डा. एसएस अस्थान, लायन सुभोल आस्थान, एलएम जड़वाल, शुभा गुमेगा, लायन एसएस जम्म आदि भी इस अवसर पर उपस्थित हैं। इससे पहले पूर्वाह्न को अहम ब्लड बैंक में लकड़ान शिविर का आयोजन किया गया। विभिन्न कालोजों के छात्र-छात्राओं ने रक्तदान किया।

प्रियोग  
विद्यालय  
देहरादून (एसएनवी)  
उमर शही  
नाम संख्या ११०

कुलदीप  
कार्यक्रम के  
चैम्प ने एक  
आईआरटीए  
इन प्री-ग्राहक  
हास्पी की सु  
प्रतिष्ठानों के  
की बातचीती

कार्यक्रम  
आईआरटीए ने ए  
दु व्याख्या  
विषय वैन के  
कार्यक्रम की  
कक्ष के बिन  
स्थायी प्रदान  
करने रहा  
करते हुए डा.  
हर माह देने  
अनियन पाणी,  
आलोक यादव

# शिविर में 400 लोगों ने किया रक्तदान

देहरादून (एनडीटी)। लापत्र अस्पत व तुलाना इंस्टीट्यूट के संयुक्त रक्तदान में अवैधिक शिविर में करीब 400 लोगों ने रक्तदान किया। शिविर में रक्तदान को सेक्स लाइ-डायरेक्टरों ने जोख के साथ हिस्सेदारी की। इस पार्क पर लाइ-डायरेक्टरों की रक्तदान की भूमित से पैर उत्कर्ष कराय गया।

कृष्णप्रीत बोंड अप्पेल ब्राउड बैंक के महाप्रयोग ने तुलाना परिवार व अवैधिक शिविर के लिए काम डायरेक्टर नुस्खा बैठकी लाभ अपार्टमेंट ने किया।

**■ लायंच बलव व तुलाना इंस्टीट्यूट ने जायोजित किया रक्तदान शिविर**

**व : तुलाना**

रक्तदान के वेबरमेन पीएमडीएक लाभन सुनेन कुन्दन अवैधिक बोंड अप्पेल ने जिसे कृष्णप्रीत ब्रैंड से नहीं बदला जा सकता। ऐसे में रक्तदान शिविर अप्पेल ब्रैंड को नया जीवन दे सकता है। उन्होंने लाइ-डायरेक्टरों से रक्तदान के प्रति समर्पण में अप्पेल ब्रैंड रक्तदान का पैर अवैधिक किया। शिविर में समर्पण वाले एवं विद्युतिक डायरेक्टर व हड़ कारबोट शिवेलास मिल्की और ने चौथी बार रक्तदान किया। उन्होंने कहा कि रक्तदान करने से आप सुनिधि की अनुभव होता है। रक्तदान के अधिक लिंगी विद्युत की जैव बदलन लाकर कुछ नहीं। उन्होंने भविय में भी रक्तदान करने पर रक्तदान



रक्तदान शिविर के मौके पर उपस्थित लोगों व तुलाना इंस्टीट्यूट के अधिकारी। किया गया है। ताकि वे एक बड़ी जाति वाले पौरी वर्ग कर्मचारी विद्युत ब्रैंड अप्पेल ब्रैंड के लिए शिविर में लाइ-डायरेक्टर व अप्पेल ब्रैंड ने कहा कि रक्तदान करने से उनके स्वास्थ्य पर कोई दुर्घटना नहीं पहुंचता है।

शिविर में रक्तदान को लेकर लाइ-डायरेक्टरों के साथ लिखक भी छाले उत्साहित भ्रम आये। अलगता रक्तदान, विद्युतोंका संबंधित कई बन्ध पर लाभियों के कारण कुछ लोग रक्तदान नहीं करते। शिविर में रक्तदायाओं को दोनों कार्ड प्राप्ति

किया गया है। ताकि वे एक बड़ी जाति वाले पौरी वर्ग कर्मचारी विद्युत ब्रैंड अप्पेल ब्रैंड के लिए शिविर में लाइ-डायरेक्टर व अप्पेल ब्रैंड ने कहा कि रक्तदान करने से उनके स्वास्थ्य पर कोई दुर्घटना नहीं पहुंचता है।

इस पार्क पर रक्तदान गरिमा बोंड अप्पेल ब्रैंड, लोपल गोपा, और जी गोपा के साथ-साथ तुलाना इंस्टीट्यूट के लाइ-डायरेक्टर एवं ब्रैंड अप्पेल ब्रैंड, अप्पेल ब्रैंड अप्पेल ब्रैंड लोगों ने भी।

## उकांद सहित विभिन्न संगठनों ने दी राजेन टोडरिया को श्रद्धांजलि

8/2/2013

राजेन

टोडरिया

Director  
Tula's Institute, Dehradun

## रक्तदान, महादान

### तुलाज इंस्टीट्यूट में ब्लड डोनेशन कैप

(ब) DEHRADUN (21 Feb) : तुलाज इंस्टीट्यूट में भृंडे को ब्लड डोनेशन कैप का आया वा निकला गया, कैप का इन्सिरेशन संस्थान वा चेयरमैन सुशील कुमार जैन ने उपलब्ध कर दिया, इसके साथ ही संस्थान की एम्बेक्यूटिव डायरेक्टर सिलकी और वा वा अवान लोनेट दिया, कैप में तकलीफन 500 लोगों ने ब्लड डोनेट किया, जैन ने नहाना कि तह तीसरी बार रक्तदान कर रही है, हम सभी को रक्तदान करना चाहिए, क्योंकि हमारा एक कदम वह लोगों की जान बचा सकता है, जो भी वा वा संरक्षण के डायरेक्टर एसके गुप्ता, रजिस्ट्रार अशोक भारद्वाज, अमित शर्मा, परम कुमार जौने त्रृत भारी संलग्न में फैकल्टी और स्टूडेंट्स मौजूद थे।



ब्लड डोनेट करते लोग.

Director  
Tula's Institute, Dehradun

# रक्तदान में दिखाया छात्रों ने उत्साह

देहरादून (एसएनडी)। तुलाज इस्टीट्यूट में अध्योजित शिविर में करीब 500 से ज्यादा छात्र-छात्राओं रक्तदान किया। साथ ही छात्र-छात्राओं ने रक्त को कम्बो औ दूर चलने के लिए रक्तदान के प्रति समाज में जागरूकता लाने का संस्कारण किया।

सोमवार को भूल्कोट में स्थित परिसर में जोहैंगढ़ ब्रह्म के नहरों में अध्योजित शिविर का उद्घाटन का संस्थान के चरणमैन मुखील कुमार जीव ने किया। छात्रों को प्रशिक्षण के लिए जीव जीव ने पहले स्वयं रक्तदान किया। उन्होंने कहा कि इसका एक अप्रभाव को बताते हैं। उन्होंने द्वारा किये गये रक्तदान जिसी की जोखम दाने के सकारा है। इसलिए रक्तदान जैसे प्राण कार्य में समर्पण के लिए इस्तजाइआर में सभी वर्गों को अपनी विम्पेदारी करने का निर्धारण करना। रक्तदान शिविर नाश्विर। शिविर में छात्र-छात्राओं के उत्सुक को देखते हुए शिक्षकों ने रक्तदान किया। इसके बाद रक्तदान करने वालों का अंकड़ा 500 पार कर गया। संस्थान की एकीकृतिव डायरेक्टर लिंगो जीव ने तीसरी बार रक्तदान किया। उन्होंने कहा कि रक्तदान से एक अलग आत्म अनुष्ठित का अनुभूति होती है। यहां पर्यावरण रक्तदान करने वाले छात्र-छात्राओं ने रक्तदान को लिक्के समझ में कैली भ्रान्तियों को दूर करने के लिए लोगों को जागरूक करने पर जो दिया। शिविर में रक्तदाराओं को प्रभाव पत्र के साथ ही डोस्ट कार्ड भेजिया गया। इससे सूबे सभी स्थानों के स्वास्थ्य का पर्याप्त किया गया जिसमें रक्तचय, हिमोन्टीजिन जीवी दिक्कतों के कारण कई होम रक्तदान करने से बचत रह गये। इस साके पर संस्थान के डायरेक्टर एसके गुप्ता, रमेश्वरन अशोक भारद्वाज, अमित हर्ष,

पवन कुमार चौधेरी समेत अनेक विद्यकाओं-कार्यनालिंगों ने भी रक्तदान किया।

## स्वयंसेवियों ने भी विद्या रक्तदान

ओ नुह रामराय पांडा कालोन में राट्टाव भेला पोजना द्वारा रेड रिवर ब्रह्म के अन्तर्गत रक्तदान शिविर का आयोजन किया गया जिसमें करीब 30 यूनिट रक्त एकीकृत किये गये। रक्तदान के लिए 80 से अधिक स्वयंसेवियों ने नामांकन कराया। एसएनडी के राज्य सम्प्रबंधी अधिकारी, डा.

परेत उनियाल ने स्वयंसेवियों को रक्तदान करने के लिए

प्रेरित किया। उन्होंने कहा कि रक्तदान

एकीकृत जीवन विवरण में बड़ी संख्या

में लोगों का स्वास्थ्य सही नहीं पाया जा

सकता है, जोर्जीर जित का विषय है।

हस्तियां एवं लापालेस द्वारा लोगों को

स्वास्थ्य के प्रति जागरूक करने का अभियान भी

नहीं जा रहा है। शिविर में करीब 80 लोगों ने

फैक्टीकरण फराया, लैकिन स्वास्थ्य जीव के बाद रिसी

30 लोग ही रक्तदान कर सके।

एसएनडी के कार्यक्रम अधिकारी डा. राम

कुमार पठियांगा ने स्वयंसेवियों को रक्तदान से होने

वाले लाभों से अवगत कराया। इस जीके पर डा.

अमिल कुमार सामोना भी गुरुराम द्वारा भैड़िकल

कालोन के जनसम्पर्क अधिकारी द्वारा जित, अद्वान

अहंकार, उपेश जीवी समेत अनेक लोग बीकूद थे।

## प्राप्ती

पत्रांक: 2654/एस।

महाप्रहिम राज

दिनांक 04.03.20

आमत्रित की जाती

द्वारा उपर्युक्त कार

सम्बन्धान्तर्गत निष्पाति

करने का अधिकारी

क्र.	कार्य का नं।
सं।	
1.	दैवोद्य अपाद केन्द्र तेजप मे
2.	बलांती बैंड सु मरम्मत कार्य

निविदा की शर्तें

1. उपरोक्त सम

2. निविदा प्रव्र

तोग।

3. निविदा केवर



शिविर में छात्र-छात्राओं के साथ रक्तदान करते संस्थान के निवेशक। फोटो: एसएनडी

**तुलाज के 550 छात्र-छात्राओंने किया रक्तदान**

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१०८५१०  
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१०८५७०  
१०८५८०  
१०८५९०



उत्तरायण काले नृत्याज इन दीपदृष्टि के लाभ।

गेहावान (एस्ट्रान्डी)। मुख्य संस्कृत ये उप-वर्गों के समर्थकों की प्रतिष्ठान हैं।

दिया जा सकता है। इससे रक्षात्मक करण एवं ब्रह्म उन्नेक का अनुभव किया जा सकता है। इससे व्यापक वैज्ञानिक विद्या की रक्षात्मक विधि का पूर्ण विवरण मिलता है। इससे व्यापक वैज्ञानिक विद्या की रक्षात्मक विधि का पूर्ण विवरण मिलता है। इससे व्यापक वैज्ञानिक विद्या की रक्षात्मक विधि का पूर्ण विवरण मिलता है। इससे व्यापक वैज्ञानिक विद्या की रक्षात्मक विधि का पूर्ण विवरण मिलता है।

जाता साहसी निलंग ने कहा कि बड़ाहन नूकसानदारक वर्ष आया गया है। यह जाता है कि बड़ाहन नूकसानदारक वर्ष आया गया है। यह जाता है कि बड़ाहन नूकसानदारक वर्ष आया गया है। यह जाता है कि बड़ाहन नूकसानदारक वर्ष आया गया है।

१ ने भी सनातन किये ।

छात्रों ने किया स्वैच्छिक रक्तदान

देवराहून (प्रस्तावनी)। महिला शिरोत्तम आवाजात व उच्चापल गवानेव ग्रीष्म टेक्सेसेसी एंड बोर्ड  
कैलिफोर्निया वालेजापी और सेक्सेसेस चैरिटी द्वारा स्थानीय क्रियम लिखित वह अगोडर किंवा गवा  
किंवा मेर करीब 100 लोगोंने प्रतीकान किया।

विज्ञा में कर्मण 100 लाख न प्रत्यक्षन किया। विज्ञा का सुधारणा करने के लिए विज्ञा लोगों ने विज्ञा के प्रति जागरूक उत्तराधिकार किया। लाल-चक्रवर्ती के अलावा विज्ञानों व विज्ञिकों ने भी एकाधार लिया। संसद के दिल्ली की ओर से वे कहा था कि इष्टपूर्ण पाली पीपलादाम में राजादाम विज्ञा गायेंगी विज्ञा जौही हो दें। उन्होंने राजादाम जो महान् के बोरे गे जाकर दुन लाला कि राजादाम नहाराना है। राजादाम के लिए लोगों ने जो जागरूक लिया। उन्होंने विज्ञा में एकाधार करने के लिए यहाँ जो भी प्रेरित किया। उन्होंने जागरूक किए होंगे के बावजूद यही लोकर कई ताह यही प्रतिवेद्य है कि जिसके बारम्बान लोग राजादाम करने में कठोर हैं। उन्होंने कहा कि राजादाम करने से शरीर में विज्ञा प्रवर्जन की कामयाएँ नहीं आती इसकी लोगों ने ऐसे लियाँ के प्राप्ति के लाभ से जागे आगरा चाहिए। इस दैर्घ्य संसदन में लोकप्रिय दलाल लोकों के अन्तर्गत अपनाया गया जागरूक नाम सहज मौजूद रहा।



新嘉坡華南銀行

Director  
Tula's Institute, Dehradun

तुलाज इंस्टीट्यूट में रक्तदान शिविर का आयोजन

## 550 लोगों ने किया रक्तदान



स्टाफ एपोर्टर

देहरादून रेलवे बोर्डिंग हॉल में बैचारिंग बैचारिंग अमेनेंजमेंट, एसे में आपके द्वारा किया गया रक्तदान किसी जल्दी से लेकर लेकर करने वाले आवश्यकता के बाहर नहीं करते। पर एक अलग ही अन्य वाले अनुभूति नहीं हैं।

रक्तदान करने वाले जागरूक जगत् ने अपने एक और काम कराया दुनिया इंस्टीट्यूट ने जहाँ सोमवार को अमेनेंजमेंट रक्तदान अभियान किया। काई ऐसे ए ब्लड बैंक को सहायता से तुलाज इंस्टीट्यूट में वैदिक रक्तदान शिविर का

आयोजन किया। पर्याप्त रक्तमात्रा उपलब्ध है। संस्थान के चौरायन सुनील कुमार जैन व एग्जोक्यूटिव डायरेक्टर सिल्को जैन ने किया। शिविर में छाव-छावाएँ रक्तदान को लेकर लासे उत्सुकित लग आये। इस ढलाह को देखकर संस्थान के अध्यापकगण ने भी रक्तदान किया।

शिविर में लगभग 550 लोगों से भी ज्यादा ने रक्तदान किया। संस्थान को एग्जोक्यूटिव डायरेक्टर सिल्को जैन ने भी रक्तदान किया। उनका मानना है कि यह उनका रक्त किसी अमर्दाह्य की जान बचा

सके तो इससे बढ़कर और कुछ नहीं, वह आगे भी रक्तदान करते रहेंगे और रक्तदान के जैव लैंगों को जागरूक करती रहेंगे। इलाज बार रक्तदान कर रहे हैं जैविकरण के छात्र हितेश भट्ट का कहना है कि इर शिविर को रक्तदान करना चाहिए, इससे न-केवल फिसी जी जान बचाई जा सकती है बल्कि अपने हालात के लिए भी उत्तम है। इलैक्ट्रिकल की लाइ-फ्लॉट सिल्को का मनन है कि लोगों की इस परम जी बाहर निकलता है। जैव रक्तदान करने से उनके स्वास्थ्य पर कोई दुर इच्छा नहीं।

जाईम्पर बैचारिंग एवं एल्टरोड जितेन्द्र शर्मा ने रक्तदान के अंति लोगों की जागरूकता को देख अपने इस जगते को अपने प्रशंसा की ओर कहा कि यूप जागरूकता के कारण ही असहाय की जान बच पाती है। डा० अंधव कुमार ने बताया कि ये रक्त वीथी रेल, कार्डियोरक्तों को व धैतियों के हिमोफिलिक व सिक्ल जैसी अम्बरी बीमारियों से ग्रन्ट होनियों को बचा दिया जाता है। शिविर में संस्थान के विदेशी डा० प्रनोद कुमार, राजस्थान, डा० पवन कुमार चौधेरी के साथ-साथ अन्य कर्मचारियों ने भी रक्तदान किया।

  
Director  
Tula's Institute, Dehradun





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NAAC  
GRADE **A+**  
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## Annexure - II

# Best Practice - 2

A handwritten signature in blue ink, appearing to read "by".

Director  
Tula's Institute, Dehradun

## BEST PRACTICE – II

- 1. Title of the Practice:** Bridging Curriculum Gaps through Add-On Courses and Certifications
- 2. Objectives of the Practice:** In today's rapidly evolving professional landscape, there is a pressing need for students to acquire skills beyond the standard academic curriculum. Tula's Institute recognizes the importance of supplementing traditional education with industry-relevant knowledge. The objective of offering add-on courses is to bridge the gap between academic learning and market demands. These courses equip students with specialized skills, enhance their employability, and offer certifications that validate their expertise in areas aligned with industry trends.
- 3. The Context:** The fast-paced changes in technology and industry practices often create gaps between the content of academic curricula and the skills demanded in the professional world. Recognizing this, Tula's Institute has designed add-on courses that complement the existing syllabus, ensuring that students gain both theoretical knowledge and practical skills. These courses focus on current technologies and methodologies, enabling students to stay competitive and prepared for real-world challenges. The certifications that accompany these courses not only enhance students' resumes but also provide them with an edge in the job market.
- 4. The Practice:** Add-on courses are conducted alongside the regular syllabus to provide students with practical exposure to cutting-edge technologies and industry practices. The courses are designed in collaboration with industry professionals and cover a wide range of domains such as data analytics, AI and machine learning, cloud computing, cybersecurity, and more. These courses are structured to ensure flexibility and relevance, allowing students to earn industry-recognized certifications that validate their newly acquired skills.
- 5. Evidence of Success:** The initiative has been highly successful, with many students enrolling in these courses and earning certifications. Feedback from students indicates increased confidence and enhanced readiness for job opportunities. Many students who have completed these courses have reported that the skills and certifications gained have helped them secure internships and job offers. Furthermore, collaboration with industry partners has strengthened the relevance and credibility of these certifications, making students highly sought after in the job market.
- 6. Problems Encountered and Resources Required:**
  - **Time Management:** Students often find it challenging to balance their academic workload with additional coursework from add-on programs.
  - **Resource Constraints:** Developing and updating content for these specialized courses requires continuous input from industry experts and access to the latest technologies.
  - **Awareness and Engagement:** Encouraging all students to recognize the importance of these additional certifications and participate actively in these courses can be difficult at times.

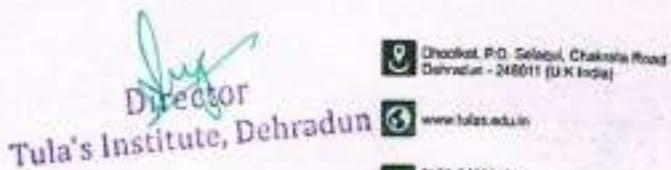


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## Index

### Add-On Courses for Academic Year 2022-23

S. No.	Particulars	Annexure No.
1.	IIT Bombay Spoken Tutorial Latex	Annexure - I
2.	Short Term Course On Python	Annexure - II
3.	Short Term Course On Front-End Development Using Html,Css & Javascript	Annexure - III
4.	Short Term Course On Machine Learning	Annexure - IV
5.	Short Term Course On Cloud Computing Using Aws	Annexure - V
6.	Short Term Course On Autocad	Annexure - VI
7.	Short Term Course On 3-D Printing	Annexure - VII
8.	Short Term Course On Electric Vehicle- Simulation & Design Using Matlab	Annexure - VIII
9.	Short Term Course On Node.Js	Annexure - IX



#### Vision

- professionals promoting innovation and research.

To emerge as an academic centre producing world class

#### Mission:

- employment and entrepreneurship.
- diversity.
- 
- 
- 

To promote intellectual and skilled human capital generation

To be educational centre of excellence of multi ethnicity and

To establish as technology driven teaching learning institution.

To provide world class platform for research and innovation.

To inculcate social, environmental, heritage values.

10.	Short Term Course On Uipath And Rpa	Annexure - X
11.	1 Week Add On Certificate Course On Google Sketchup	Annexure - XI
12.	Certificate Programm On Agripreneurship	Annexure - XII
13.	Certificate Programm On Food Processing & Prevention	Annexure - XIII
14.	Certificate Programm On Organic Production & Composting Technology	Annexure - XIV
15.	Capacity Building Certificate Programme On Agri Startups And Use Of E-Commerce, Digital Platforms And Marketing	Annexure - XV
16.	Short Term Course On Video Editing & Production By Liberal Arts Production	Annexure - XVI
17.	Short Term Course On Digital Film Making By Imagine Films	Annexure - XVII
18.	Short Term Course On Data Analysis On Spss	Annexure - XVIII
19.	Short Term Course On Data/ Business Analytics	Annexure - XIX
20.	Short Term Course On Advanced Excel	Annexure - XX
21.	Short Term Course On Six Sigma	Annexure - XXI
22.	Short Term Course On Microsoft Power Bi With Tableau	Annexure - XXII

**Vision**

- professionals promoting innovation and research.

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**Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year :2022-23**

S.No.	Name of Add on /Certificate programs offered	Year of offering	Students enrolled	Students completed the course
1	Spoken Tutorial Latex	2022-23	216	216
2	Python	16-20 June 2023	181	181
3	Front-End Development using HTML,CSS & JavaScript	5-10 June 2023	54	54
4	Machine Learning	5-10 June 2023	107	107
5	Cloud Computing using AWS	15- 21 June 2023	144	144
6	Autocad	29 Aug - 2 Sept 2022	31	31
7	3-D Printing	1 May - 5 May 2023	48	48
8	Electric Vehicle- simulation & Design	24 - 28th April 2023	66	66
9	Node.js	22 June 2023 to 28 June 2023	169	169
10	UIPATH and RPA	19 June 2023 to 24 June 2023	126	126
11	1 Week course on Google Sketchup	21st June to 25th June	107	107
12	Certificate Program on Agripreneurship	28.01.2023 to 4.02.2023	127	127
13	Certificate Program on Food Processing & Prevention	28.01.2023 to 4.02.2023	34	34
14	Certificate Program on Organic Production &Composting Technology	28.01.2023 to 4.02.2023	45	45
15	Capacity Building Certificate Programme on Agri Startups and use of E-Commerce,Digital Plateforms and Marketing	28.01.2023 to 4.02.2023	97	97
16	Video Editing & Production by liberal arts production	28.01.2023 to 04.02.2023	37	37
17	Digital film making by imagine films	05.06.2023 to 10.06.2023	37	37
18	DATA ANALYSIS ON SPSS	24 April - 28April 2023	91	91
19	DATA/ BUSINESS ANALYTICS	30 Jan - 4 Feb 2023	219	219
20	ADVANCED EXCEL	30 Jan - 4 Feb 2023	102	102
21	Six Sigma	5 Jun - 9 Jun 2023	214	214
22	Microsoft Power BI with Tableau	5 Jun - 10 Jun 2023	199	199

# **IIT Bombay**

## **Spoken**

# **Tutorial Latex**

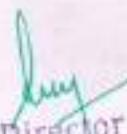
Approved by AICTE, Ministry of HRD, Govt. of India ISO 9001:2015, ISO 14001:2015, ISO 50001:2018  
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# Spoken Tutorial

An initiative of National Mission on Education through  
ICT, MoE, Govt. of India, to promote IT literacy through

## Open Source Software.

Learn more about this free service using our  
audio-video tutorials



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## **FAONLINE CERTIFICATION COURSE ON SPOKEN TUTORIAL, PROJECT MANAGEMENT BY IIT BOMBAY**

Department of Applied Sciences and Engineering, Tula's Institute, Dehradun conducted "Online certification course on Spoken Tutorial, project management by IIT, Bombay duration of which was six months and certification were provided at the end of program. The Department enrolled on 20 September, 2022 for the program where B.Tech I year CSE, ECE, EEE, CE, ME and diploma ME & CE branches Enrolled in the aforesaid program.

The spoken tutorial project is the initiative of the 'Talk to a teacher' activity of National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Education, Government of India to promote IT literacy through Open Source Software. The Spoken Tutorial Project is about teaching and learning a particular FOOS (Free and Open Source Software) like Linux, Scilab, Latex, PHP, My SQL, java, C/C++, LibreOffice etc. via an easy Video tool.

The entire above mean a big deal to students for their career with recruitments and at PG interviews. Today, SMEs and Govt. Department are moving to open source software like Linux OS. Student with this knowledge will have an edge in the job market. They can also become entrepreneurs and use Open Source Software in their businesses and save money. The students and teachers benefited with this distance education method and are highly conducive to learn in the campus. CSE, EEE and EE student opted for C++ and Latex whereas ME & CE students chose C++ and Q-Cad for learning. The course was very fruitful for the students as well the teachers and helped them not only with the knowledge but an add on certificate to their experience. Overall 216 students were qualified and adorned with the certificates.



*Shyam*  
Director  
Tula's Institute, Dehradun



Spoken Tutorial  
Project at  
IIT Bombay

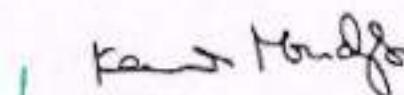
## Certificate for the Completion of LaTeX Training

This is to certify that **SHUBHAM KUMAR JHA** has successfully completed **LaTeX** test organized at **TULA'S Institute the Engineering and Management college, Dehradun** by **Tanuja Uniyal** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

**Tikaram Karnwal** from **TULA'S Institute the Engineering and Management college, Dehradun** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

**Credits: 2 Score: 65.00%**

April 3rd 2023

  
**Prof. Kannan M Moudgalya**  
Director  
IIT Bombay  
Tula's Institute, Dehradun

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.

**Short Term  
Course on  
Python**

## EVENT POSTER



**NAAC A+**

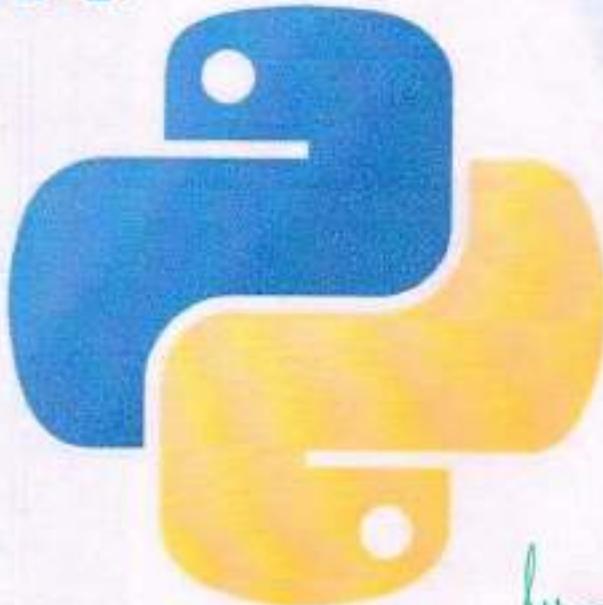


**DEPARTMENT OF APPLIED SCIENCE & ENGINEERING  
IN ASSOCIATION WITH RITUSHA  
CONSULTANTS PVT LTD  
IS ORGANIZING ADD-ON  
CERTIFICATE COURSE ON**

# **PYTHON**

**16<sup>TH</sup> - 20<sup>TH</sup> JUNE, 2023**

VENUE: COMPUTER CENTER,  
TULA'S INSTITUTE  
TIME: 10:00 AM ONWARDS



### **TRAINERS**

**Mr. Kuldeep Singh Gussain,  
Technical Expert (RCPL) &**

**Mr. Anoop Verma,  
Technical Expert (RCPL)**

Director  
Tula's Institute, Dehradun



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## **DEPARTMENT OF APPLIED SCIENCE & ENGINEERING**

**Event:** Short Term Course on Python

**Organized by:** Department of Applied Science & Engineering

**Date:** 16 June 2023 to 20 June 2023

### **OBJECTIVES:**

This add-on course aims to improve the students' IT skills and increase their employability because Python is simple to master and helps the individual skills to land a great profession in the quickly growing data science business. Additionally, it will be useful for simple programmes that make use of basic programming features like variables, conditional logic, loops, and functions. Additionally, people can find employment in the future that will be lucrative due to the increasing need for Python programmers brought on by the daily emergence of new machine learning applications.

### **OUTCOMES:**

The learning outcomes of an add-on course on Python can vary depending on the specific content and goals of the course.

- Understanding the fundamentals: Gain a solid understanding of the basic concepts and syntax of the Python programming language, including variables, data types, control structures (such as loops and conditionals), functions, and modules.
- Writing Python programs: Develop the ability to write Python programs to solve a variety of problems.
- Working with data: Learn how to manipulate and process data using Python.
- Object-oriented programming (OOP): Understand the principles of object-oriented programming and learn how to apply them in Python

  
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- Using libraries and frameworks: Explore popular Python libraries and frameworks that extend the functionality of Python and make development tasks more efficient.
- Debugging and error handling: Develop skills in debugging Python programs and handling errors effectively.
- Good programming practices: Learn about best practices for writing clean, readable, and maintainable Python code.
- Problem-solving and algorithmic thinking: Enhance problem-solving skills and learn how to think algorithmically.



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**Annexure-III**

**SUMMARY REPORT**

The main objective of this Add on Course was to impart knowledge among the students. Python add-on course focuses on enhancing students' IT skills to boost employability in the rapidly growing field of data science. There was the active participation of the students during the course from first day to the last day. The participants gained hands-on experience in utilizing Python tools and various libraries during the session, providing them with practical skills essential for today's competitive environment. Throughout the entire 5-day program, students actively engaged in sessions. The workshop aimed to empower students by making them industry-ready with a strong foundation in Python. Daily assessments ensured continuous learning progress checks. On the final day, student feedback revealed high satisfaction, affirming the workshop's value addition. The active participation of students throughout the program underscored the successful fulfillment of the Add on Course objectives. Every participant acquired a new skill aligning with the institute's focus on skill-based learning, expressing gratitude for a fruitful, dynamic, and knowledge-packed workshop that enhances their readiness for the industry.



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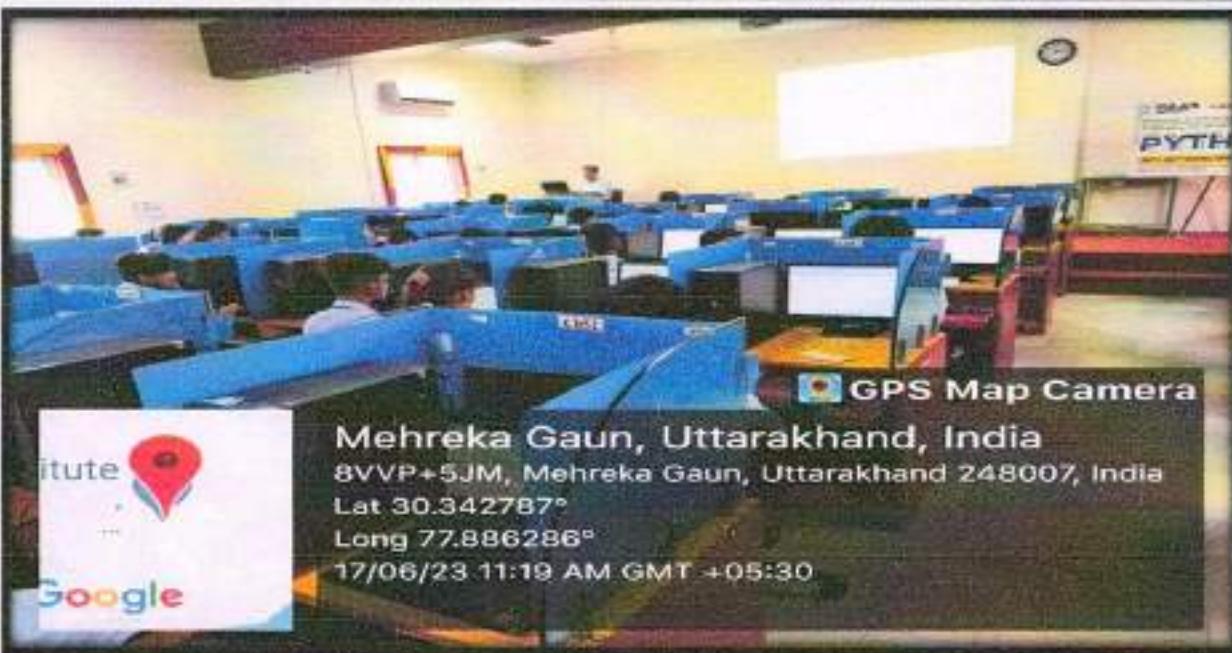
Annexure-IV

**EVENT PHOTOGRAPHS**



**LAB SESSION**

  
Director  
Tula's Institute, Dehradun



### LAB SESSION



### LAB SESSION

Director  
Tula's Institute, Dehradun



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GROUP PHOTOGRAPH

Director  
Tula's Institute, Dehradun



CENTRE OF EXCELLENCE

# CERTIFICATE

Inspire  
to  
Aspire

This is to certify that

Mr. / Ms. **ABU AAMIR**

of

**TULAS INSTITUTE, DEHRADUN**

has successfully completed a 1 Week Add on Certificate on

**PYTHON**

from 16th June'23 to 20th June'23

On behalf of RCPL INDIA

A handwritten signature in black ink, appearing to read 'N. Aamir'.

Director

Certification ID : RCPL-2023/4734

Date: 20th June'23

**Microsoft**  
**CERTIFIED**  
Program

Hewlett Packard  
Enterprise

**NASSCOM**



**ORACLE**  
Worldwide Development Partner

A handwritten signature in blue ink, appearing to read 'by Director Tula's Institute, Dehradun'.

**Short Term course  
On Front End  
Development Using  
HTML, CSS &  
javascript**

## EVENTREPORT

Tula's Institute is conducted a 6-day Workshop on FRONT END development using HTML, CSS, JAVA SCRIPT from 5<sup>th</sup> June 2023 to 10<sup>th</sup> June 2023. The inaugural session was held on 5<sup>th</sup> June 2023 and the occasion was graced by esteemed inaugural speakers namely:-

- Dr. Sandeep Vijay (Professor and Director, Tula's Institute)
- Dr. Nishant Saxena (Professor and Dean Academics, Tula's Institute)
- Dr. Anand Kumar Gupta (Associate Professor and HOD CSE, Tula's Institute)
- Mr. Raghavendra (Trainer, Brillica Services)



**TULA'S**  
DEHRADUN

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**DEPARTMENT OF COMPUTER SCIENCE & ENGG.  
IS ORGANIZING ADD-ON CERTIFICATE  
TRAINING PROGRAM ON**

## **FRONT END DEVELOPMENT (HTML, CSS, JAVASCRIPT)**

FOR BCA 2<sup>ND</sup> & BCA 3<sup>RD</sup> Year

**5<sup>TH</sup> - 10<sup>TH</sup> JUNE, 2023**

VENUE: COMPUTER LAB -5  
TIME: 11:00 AM - 4:30 PM

### **EVENT COORDINATORS**

Girish Singh Bisht  
Akansha Srivastava



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## EVENT POTSER

*Director  
Tula's Institute, Dehradun*

## **Department of Computer Science & Engineering**

**Event:** Short Term Course on FRONT END development using HTML

**Organized by:** Department of Computer Science & Engineering

**Date:** 5 June 2023 to 10June 2023

**Objectives:** The objective of a workshop on Front-end development using HTML, CSS & JavaScript can vary depending on the specific goals and target audience. However, here are some common objectives that such a workshop might aim to achieve:

**Introduction to HTML:** The workshop kicked off with an immersive introduction to html programming. Participants were introduced to the basic syntax and structure of the language. They learned about variables, data types, and control flow structures such as loops and conditional statements.

- **Introduction to CSS:** Participants learned about the CSS. CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once.
- **Introduction to Java script:** Participants developed deeper knowledge about JavaScript (JS), which is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache Couch DB and Adobe Acrobat.
- **Weather app using accuweather API:** As the workshop progressed, the focus shifted to AccuWeather app that supports a number of weather APIs that provide us with up-to-date and highly accurate forecasts around the globe. It provides utility APIs that lets users retrieve unique identifiers and geographical coordinates for various locations. This information is useful because most of the APIs we cover in this course require the location Key of a location, rather than its name, as a parameter.
- **Receipt book using JSON-server:** Participants worked on hands-on projects and case studies, collaborating with their peers to solve complex problems. They explored JSON server, JSON. It abbreviates for "JavaScript Object Notation". JSON is nothing but an open standard file format and data interchange format. It uses human-readable text to store and transfer data objects. It generally consists of two human-readable attributes i.e. value pairs and arrays. JSON is a very common data format having different applications. For example, a web application communicating with a server uses JSON.

- **Git-hub & project deployment:** On the final day, the workshop ventured into advanced topics and the future directions of web development. Participants explored GitHub, GitHub allows developers to change, adapt and improve software from its public repositories for free, but it charges for private repositories, offering various paid plans. Each public and private repository contains all of a project's files, as well as each file's revision history. Repositories can have multiple collaborators and can be either public or private.
- **Case Studies and Hands-on Labs:** Participants should learn how to design and develop scalable and highly available static and dynamic websites.
- **Real-world Use Cases:** The workshop should showcase real-world examples and case studies of organizations that have successfully developed websites and webpages using HTML, CSS & JAVA SCRIPT. This can help participants understand how JAVA SCRIPT can be applied to various industries and business scenarios.
- **Q&A and Networking:** The workshop should provide ample opportunities for participants to ask questions, interact with instructors and experts, and network with peers who share similar interests in HTML, CSS & JAVASCRIPT.

**Outcomes:** The objective of a workshop on Front-end development using HTML, CSS & JavaScript can vary depending on the

**Understanding Full stack development:** Participants gain knowledge about various static and dynamic websites such as college websites, about web application like whatsapp web application, etc.

**Hands-on Experience:** Workshops often involve practical exercises or demonstrations, enabling participants to gain hands-on experience in deploying applications on AWS and using different services.

**Architecture Design:** Participants learn about designing and implementing websites and webpages using HTML, CSS & JAVA SCRIPT, including best practices for security, scalability, and cost optimization.

**Cost Optimization:** The workshop may cover cost optimization strategies, teaching participants how to monitor and control costs when developing any website or web application.

**Networking and Security:** Participants learn about webpages networking concepts, security features, and how to configure security groups, access control policies, and network architecture in the AWS environment..

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**Scalability and Performance:** The workshop may cover techniques for optimizing application performance and scaling resources on webpages to handle increased workloads.

**Summary Report:**

The main objective of the workshop was to impart knowledge among the students. On the first day of the workshop the students of Tula's Institute showed active participation and the same continued till the last day. Mr. Raghvendra helped students gain technical knowledge of FrontEnd development. The students got to know about how to use Html, CSS javascript and its various libraries which come handy for today's competitive environment.

Throughout the entire workshop program, the students were active. After every session of the workshop a Q and A session was also held where the queries of the students were discussed. Brainstorming of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Front-End so that they can learn web-development about according to their comfort.

Overall, the 6-day workshop was a value addition for the students. It inculcated a feeling of empowerment among the participating students.

The workshop helped ace the students this software so that they would be industry ready and would have an edge over others. There was proper daily assessment conducted to check the learning progress of the students.

On the final day of the workshop, student feedback was also taken and maximum participants were satisfied with the value addition that took place. The student presence throughout the workshop was itself a proving fact that the main motive of the same was fulfilled and productive learning was achieved.

The objectives and outcomes of the workshop were achieved to a greater extent and every student who was a part of this workshop learnt a new skill. Skill based learning is the motive of our institute and imparting the right skillset among the student was truly achieved through this workshop. The participating students were grateful to the organizers and the management of the college for conducting such a fruitful, dynamic and knowledge-based workshop that will surely help them ace the industry and bring out the best of themselves.

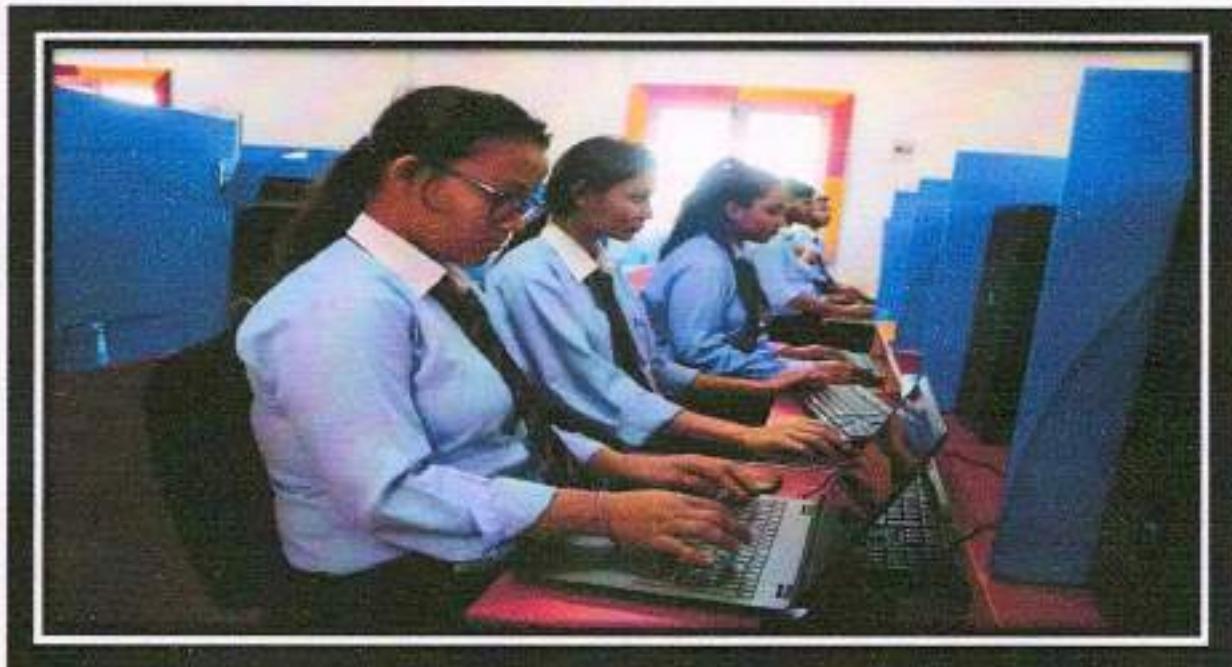


Director  
Tula's Institute, Dehradun

**EVENTPHOTOGRAPHS**



**GROUP PHOTOGRAPH**



**LAB SESSION**



GPS Map Camera

Dhulkot Mafi, Uttarakhand, India  
8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
Lat 30.342812°  
Long 77.886412°  
08/06/23 11:19 AM GMT +05:30

### LAB SESSION



GPS Map Camera

Dhulkot Mafi, Uttarakhand, India  
8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
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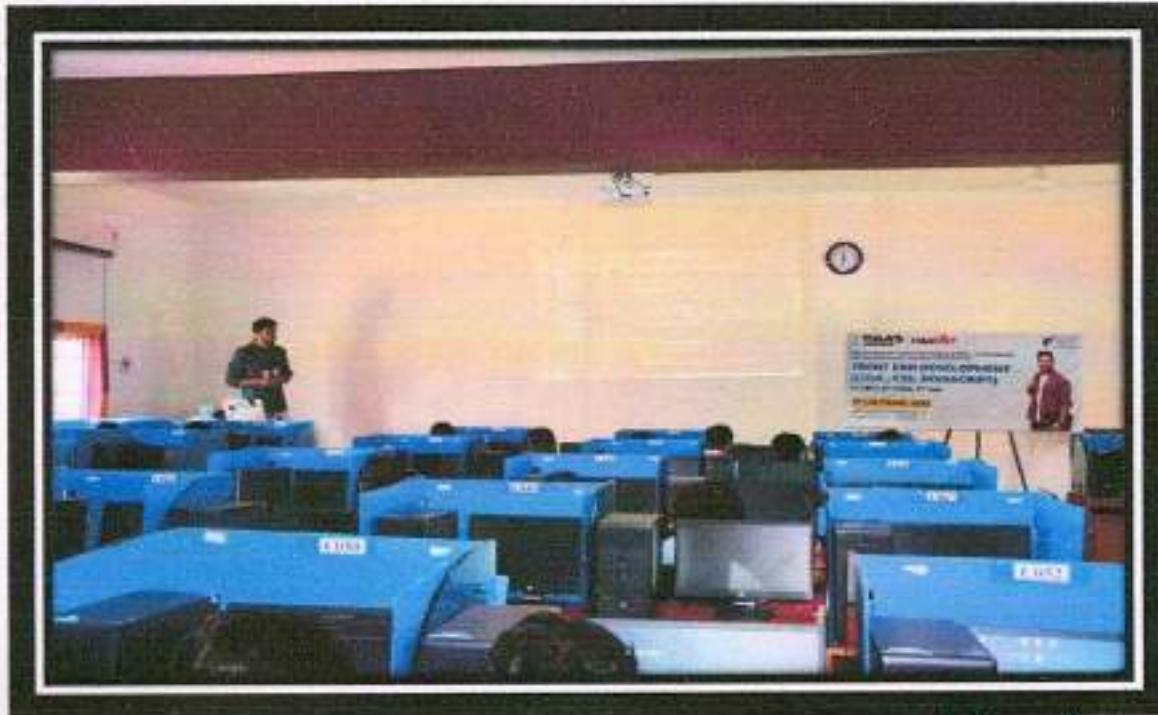
### LAB SESSION

~~Director~~  
Tula's Institute, Dehradun

\*Approved by AICTE, Ministry of HRD, Govt. of India \*ISO 9001:2015, ISO 14001:2015, ISO 50001:2018  
Affiliated: -VMSB Uttarakhand Technical University - Sri Dev Suman Uttarakhand University - Uttarakhand Board of Technical Education



LAB SESSION



LAB SESSION

*Director*  
Tula's Institute, Dehradun

Date of Issue : 27 June 2023  
Certificate No. : BSPL030906577



# Certificate of Completion

This Certificate accredits that

**Anupam Kumar**

has successfully completed certificate course on

**FullStack Web Development**

Duration : 30 hours

Our Industry Association

intel partner  
alliance

 Microsoft  
Authorized Education Partner

Director  
Tula's Institute, Dehradun



*[Signature]*

**Short Term  
Course on  
Machine  
Learning**

## EVENT REPORT

Tula's Institute is conducted a 6-day Workshop on Machine Learning from 5<sup>th</sup> June 2023 to 10<sup>th</sup> June 2023. The inaugural session was held on 5<sup>th</sup> June 2023 and the occasion was graced by esteemed inaugural speakers namely:-

- Dr. Sandeep Vijay(Professor and Director, Tula's Institute)
- Dr. Nishant Saxena (Professor and Dean Academics, Tula's Institute)
- Dr. Anand Kumar Gupta (Associate Professor and HOD CSE, Tula's Institute)
- Mr. Vikas Singh (Python and Machine Learning Trainer, Brillica Services)



DEPARTMENT OF COMPUTER SCIENCE & ENGG.  
IS ORGANIZING ADD-ON CERTIFICATE  
TRAINING PROGRAM ON

# MACHINE LEARNING WORKSHOP

FOR BCA 1<sup>ST</sup> Year

**5<sup>TH</sup> - 10<sup>TH</sup> JUNE, 2023**

VENUE: COMPUTER LAB -3  
TIME: 11:00 AM - 4:30 PM

#### EVENT COORDINATORS

Girish Singh Bisht  
Shivali Pundir  
Vaibhavi Painuly



Call to find out more  
91-6366937159



[www.tulas.edu.in](http://www.tulas.edu.in)  
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Director  
Tula's Institute, Dehradun

## Department of Computer Science & Engineering

**Event:** Short Term Course on Machine Learning.

**Organized by:** Department of Computer Science & Engineering

**Date:** 5 June 2023 to 10 June 2023

### **Objectives:**

**Prediction:** Machine learning algorithms are often used to make predictions or forecasts based on historical data. The objective is to develop models that can accurately predict future outcomes or behaviors.

**Classification:** Machine learning can be used to classify data into different categories or groups based on patterns in the input data. For example, it can be used to classify emails as spam or non-spam, or to categorize images into different object classes.

**Clustering:** Clustering aims to group similar data points together based on their characteristics or features. It helps in discovering patterns or structures in the data without prior knowledge of the groups. It is often used in customer segmentation, anomaly detection, or data exploration.

**Optimization:** Machine learning can be used to optimize a system or process by finding the best set of parameters or configurations that maximize or minimize a specific objective or performance metric. It is commonly used in areas such as resource allocation, scheduling, and control systems.

**Pattern recognition:** Machine learning algorithms can learn to recognize patterns or regularities in data, such as image or speech recognition. This objective involves training models to identify and extract meaningful features from the data to make accurate predictions or classifications.

**Anomaly detection:** Machine learning can be applied to identify unusual or anomalous data points or patterns that deviate from the norm. It is useful in various applications, such as fraud detection, network intrusion detection, or equipment failure prediction.

### **Outcomes :**

**Improved accuracy in predictions and decision-making:** Machine learning algorithms can analyze large volumes of data and identify patterns and correlations that humans might overlook. This has led to improved accuracy in predictions and decision-making across fields such as finance, healthcare, marketing, and more.

**Automation and efficiency:** Machine learning has enabled automation of tasks that were previously performed manually, leading to increased efficiency and productivity. Tasks such as data entry, image recognition, language translation, and customer support can now be automated, freeing up human resources for more complex and creative work.

**Personalization and recommendation systems:** Machine learning algorithms power personalized recommendations in various platforms, such as streaming services, e-commerce websites, and social media. By analyzing user preferences and behavior, these systems can suggest relevant content and products, enhancing the user experience and driving engagement.

**Fraud detection and cybersecurity:** Machine learning algorithms have greatly improved fraud detection and cybersecurity systems. By analyzing patterns and anomalies in data, these algorithms can identify potentially fraudulent transactions or malicious activities, helping organizations protect themselves and their customers from cyber threats.

**Healthcare advancements:** Machine learning has made significant contributions to healthcare. It has facilitated the development of diagnostic tools that can detect diseases and conditions earlier and with greater accuracy. Machine learning models can analyze medical images, genetic data, and patient records to assist in diagnosis and treatment planning. It has also enabled the creation of personalized medicine by tailoring treatments to an individual's unique characteristics.

**Autonomous vehicles:** Machine learning plays a crucial role in the development of autonomous vehicles. Algorithms analyze sensor data, such as cameras and lidar, to recognize objects, navigate roads, and make real-time decisions. Machine learning helps improve the safety and efficiency of self-driving cars, making them more viable for future transportation systems.

**Natural language processing and chatbots:** Machine learning has advanced natural language processing capabilities, enabling computers to understand and respond to human language. Chatbots powered by machine learning algorithms can engage in conversational interactions, provide customer support, and perform tasks like scheduling appointments or answering inquiries.

**Scientific discoveries and research:** Machine learning has facilitated scientific discoveries by analyzing large datasets and identifying complex patterns. It has been used in various scientific fields, including astronomy, genomics, particle physics, and drug discovery, to accelerate research and make new breakthroughs.

#### Summary Report:-

The main objective of the workshop was to impart knowledge among the students. On the first day of the workshop the students of Tula's Institute showed active participation and the same continued till the last day. Mr. Vikas Singh helped students gain technical knowledge of Machine Learning. The students got to know about how to use python tool and its various libraries which come handy for today's competitive environment.

Throughout the entire workshop program, the students were active. After every session of the workshop

a Q and A session was also held where the queries of the students were discussed. Brainstorming of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Machine Learning so that they can learn Machine Learning about according to their comfort.

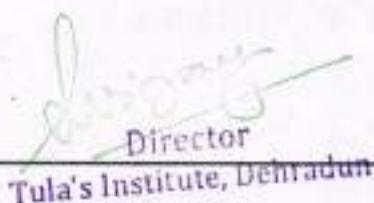
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The workshop helped acing the students this software so that they would be industry ready and would have an edge over others. There was proper daily assessment conducted to check the learning progress of the students.

On the final day of the workshop, student feedback was also taken and maximum participants were satisfied with the value addition that took place. The student presence throughout the workshop was itself a proving fact that the main motive of the same was fulfilled and productive learning was achieved.

The objectives and outcomes of the workshop were achieved to a greater extent and every student who was a part of this workshop learnt a new skill. Skill based learning is the motive of our institute and imparting the right skillset among the student was truly achieved through this workshop. The participating students were grateful to the organizers and the management of the college for conducting such a fruitful, dynamic and knowledge-based workshop that will surely help them acing the industry and bringing out the best of themselves.

## EVENT PHOTOGRAPHS



Director  
Tula's Institute, Dehradun



 GPS Map Camera

Dhulkot Mafi, Uttarakhand, India  
8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
Lat 30.342891°  
Long 77.886669°  
06/06/23 11:41 AM GMT +05:30



### LAB SESSION

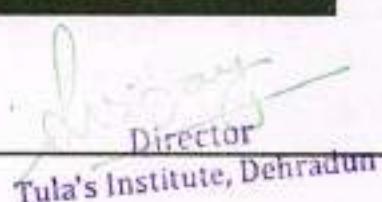


 GPS Map Camera

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8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
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Long 77.886742°  
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### LAB SESSION

  
Director  
Tula's Institute, Dehradun

\*Approved by AICTE, Ministry of HRD, Govt. of India \*ISO 9001:2015, ISO 14001:2015, ISO 50001:2018  
Affiliated: VMSB Uttarakhand Technical University • Sri Dev Samen Uttarakhand University • Uttarakhand Board of Technical Education



GPS Map Camera

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8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
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Long 77.886473°  
07/06/23 11:17 AM GMT +05:30

### LAB SESSION



### LAB SESSION

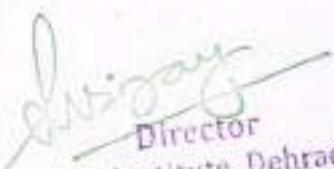
*DSR 2023*  
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Tula's Institute, Dehradun



GPS Map Camera

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8VVP+4JH, Dhulkot Mafi, Uttarakhand 248007, India  
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Long 77.886641°  
08/06/23 01:01 PM GMT +05:30

GROUP PHOTOGRAPH

  
Director  
Tula's Institute, Dehradun

Date of Issue : 27 June 2023  
Certificate No.: BSPL030906448



# Certificate of Completion

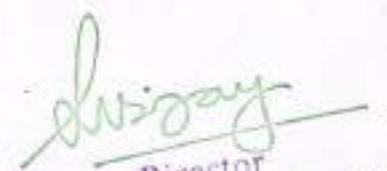
This Certificate accredits that

**Deepak Serala**

has successfully completed certificate course on

**Machine Learning**

Duration : 30 hours

  
\_\_\_\_\_  
Director  
Tula's Institute, Dehradun



Our Industry Association

intel partner  
alliance

 Microsoft  
Authorized Education Partner

**Short Term  
Course on Cloud  
Computing  
Using AWS**

## EVENTREPORT

Tula's Institute is conducted a 6-day Workshop on Cloud Computing using AWS from 15<sup>th</sup> June 2023 to 21<sup>st</sup> June 2023. The inaugural session was held on 15<sup>th</sup> June 2023 and the occasion was graced by esteemedinaugural speakers namely:-

- Dr. Sandeep Vijay(Professor and Director, Tula's Institute)
- Dr. Nishant Saxena (Professor and Dean Academics, Tula's Institute)
- Dr. Anand Kumar Gupta (Associate Professor and HOD CSE, Tula's Institute)
- Mr. Amit Jaiswal (Trainer, Brillica Services)

**DEPARTMENT OF COMPUTER SCIENCE & ENGG.  
IN ASSOCIATION WITH  
RITUSHA CONSULTANTS PVT LTD  
IS ORGANIZING ADD-ON CERTIFICATE COURSE ON**

# CLOUD COMPUTING USING AWS

FOR B.TECH 4<sup>TH</sup> YEAR & MCA 2<sup>ND</sup> YEAR

**15<sup>TH</sup> - 21<sup>ST</sup> JUNE, 2023**

ONLINE MODE  
TIME: 4:00 PM - 6:30 PM

**TRAINER**

Amit Jasiwal  
Technical Expert (RCPL)

**EVENT COORDINATORS**

Dr. Anand Gupta, Ms. Riya Kukreti



Call to find out more:  
**91-6366937159**



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## EVENT POTSER

Director  
Tula's Institute, Dehradun

## Department of Computer Science & Engineering

**Event:** Short Term Course on FRONT END development using HTML

**Organized by:** Department of Computer Science & Engineering

**Date:** 5 June 2023 to 10 June 2023

### **Objectives:**

The objective of a workshop on Cloud computing using AWS (Amazon Web Services) can vary depending on the specific goals and target audience. However, here are some common objectives that such a workshop might aim to achieve:

- **Understanding Cloud Computing:** The workshop should provide participants with a clear understanding of what cloud computing is and how it differs from traditional IT infrastructure. It should cover the basic concepts, benefits, and challenges of cloud computing.
- **Introduction to AWS:** The workshop should introduce participants to the AWS platform, its various services, and the overall AWS ecosystem. This includes understanding the core services like EC2 (Elastic Compute Cloud), S3 (Simple Storage Service), and others.
- **Hands-on Experience:** The workshop should offer hands-on exercises and demonstrations that allow participants to gain practical experience with AWS. This could involve creating virtual servers, setting up storage, configuring networking, and deploying applications on the AWS platform.
- **AWS Service Deep Dives:** The workshop should provide in-depth sessions on specific AWS services relevant to cloud computing, such as AWS Lambda (serverless computing), Amazon RDS (Relational Database Service), Amazon Redshift (data warehousing), and others. These sessions should cover the features, use cases, and best practices for each service.
- **Security and Compliance:** Participants should be educated about security best practices in AWS and learn how to implement appropriate security measures to protect their cloud infrastructure and data. Compliance considerations, such as GDPR or HIPAA, should also be discussed.
- **Cost Optimization:** The workshop should emphasize cost optimization strategies and techniques to help participants effectively manage their AWS resources and keep costs under control. This includes understanding pricing models, leveraging cost-effective services, and implementing monitoring and reporting mechanisms.
- **Scaling and High Availability:** Participants should learn how to design and implement scalable and highly available architectures on AWS. This includes understanding concepts like auto-scaling, load balancing, fault tolerance, and disaster recovery.

- **Migration and Hybrid Solutions:** For organizations considering migrating their existing infrastructure to the cloud or adopting a hybrid cloud model, the workshop should provide guidance on migration strategies, tools, and best practices.
- **Real-world Use Cases:** The workshop should showcase real-world examples and case studies of organizations that have successfully implemented cloud solutions using AWS. This can help participants understand how cloud computing can be applied to various industries and business scenarios.
- **Q&A and Networking:** The workshop should provide ample opportunities for participants to ask questions, interact with instructors and experts, and network with peers who share similar interests in cloud computing and AWS.

#### Outcomes:

- **Understanding AWS Services:** Participants gain knowledge about various AWS services such as Amazon EC2, Amazon S3, Amazon RDS, AWS Lambda, etc., and their use cases.
- **Hands-on Experience:** Workshops often involve practical exercises or demonstrations, enabling participants to gain hands-on experience in deploying applications on AWS and using different services.
- **Architecture Design:** Participants learn about designing and implementing cloud architecture using AWS services, including best practices for security, scalability, and cost optimization.
- **Cost Optimization:** The workshop may cover cost optimization strategies, teaching participants how to monitor and control costs when using AWS services.
- **Networking and Security:** Participants learn about AWS networking concepts, security features, and how to configure security groups, access control policies, and network architecture in the AWS environment.
- **DevOps Practices:** The workshop may focus on DevOps methodologies and practices, including automation, continuous integration and deployment (CI/CD), and infrastructure as code (IaC) using tools like AWS Cloud Formation or AWS Elastic Beanstalk.
- **Cloud Migration Strategies:** Participants gain insights into migrating existing applications or infrastructure to the AWS cloud, including strategies, challenges, and best practices.
- **Scalability and Performance:** The workshop may cover techniques for optimizing application performance and scaling resources on AWS to handle increased workloads.



Director  
Tula's Institute, Dehradun

### **Summary Report**

The main objective of the workshop was to impart knowledge among the students. On the first day of the workshop the students of Tula's Institute showed active participation and the same continued till the last day. Mr.Amit Ajiswal helped students gain technical knowledge of AWS. The students got to know about how to use AWS tool and its various libraries which come handy for today's competitive environment.

Throughout the entire workshop program, the students were active. After every session of the workshop a Q and A session was also held where the queries of the students were discussed. Brainstorming of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Machine Learning so that they can learn Machine Learning about according to their comfort.

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Director  
Tula's Institute, Dehradun

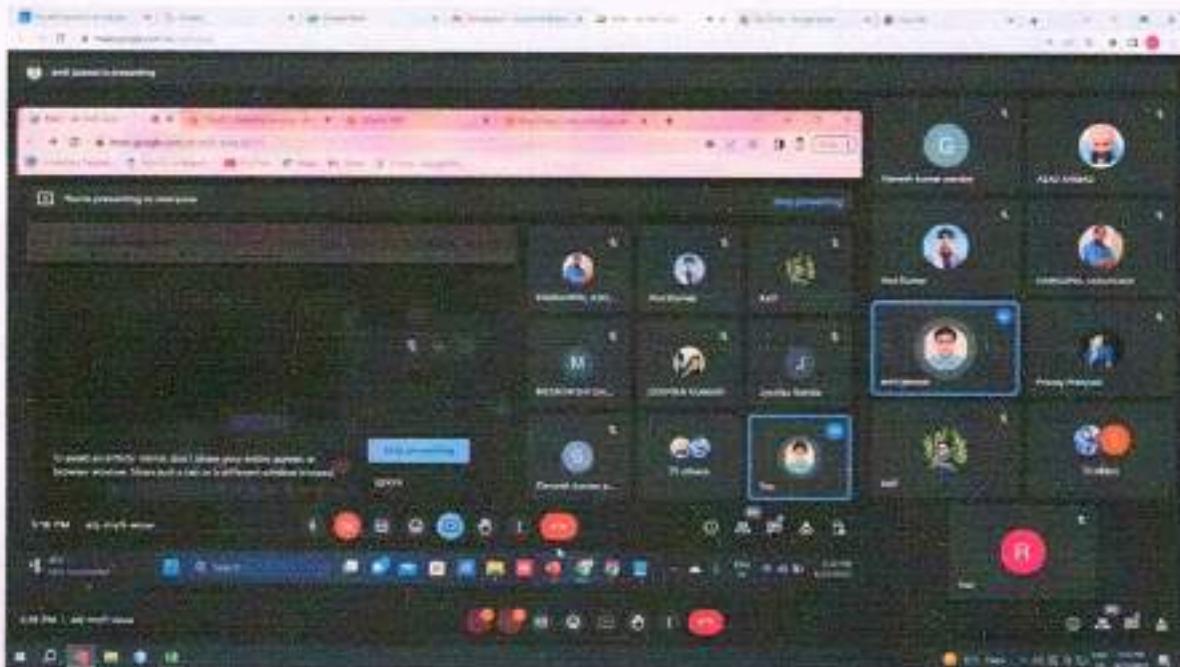


**TULA'S**  
**DEHRADUN** INSTITUTE

**NAAC A+**

\*Approved by AICTE, Ministry of HRD, Govt. of India \*ISO 9001:2015, ISO 14001:2015, ISO 50001:2018  
Affiliated: -VMSB Uttarakhand Technical University · Sri Dev Suman Uttarakhand University · Uttarakhand Board of Technical Education

### EVENTPHOTOGRAPHS



### GROUP PHOTOGRAPH

  
Director  
Tula's Institute, Dehradun

### LAB SESSION



Tula's Institute, Dehradun

NAAC  
GRADE A+  
ACCREDITED INSTITUTE

EVENT PHOTOGRAPHS



Director  
Tula's Institute, Dehradun



**Deployment Models (Cont...)**

**Hybrid cloud:**

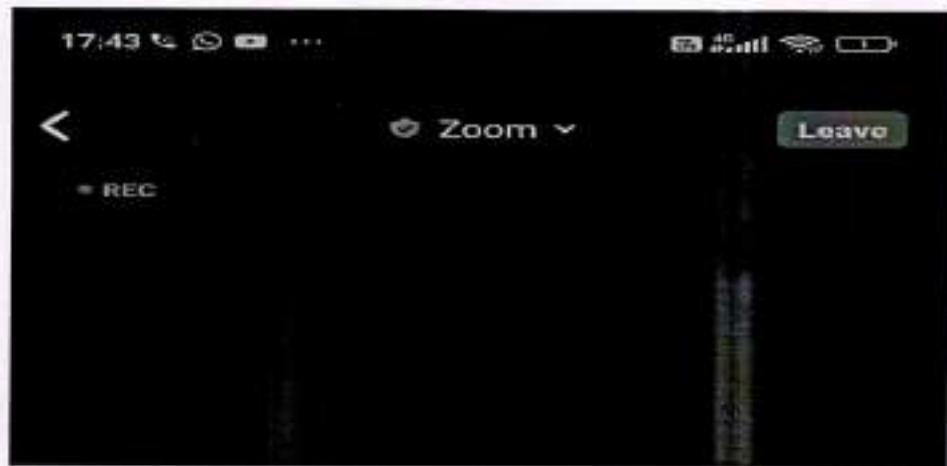
Organizations may host critical applications on private clouds and applications with relatively less security concerns on the public cloud. The usage of both private and public clouds together is called hybrid cloud. A related term is Cloud Bursting. Cloud bursting organizations use their own computing infrastructure for normal work, but access the cloud using services like Software as a service, for high-peaks load requirements. This ensures that a sudden increase in computing requirement is handled gracefully.

**Community cloud:**

Involves sharing of computing infrastructure in between organizations of the same community, for example all Government organization of California may share computing infrastructure on the cloud related to citizens residing in California.

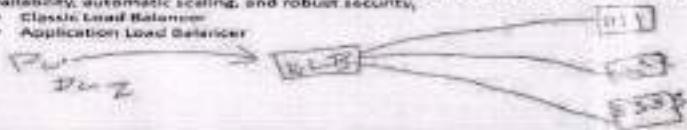
A screenshot of a video conference interface. At the top, there are navigation icons: a left arrow, a double arrow, a zoom icon, and a 'Leave' button. Below this, the participant list shows 'REG'. The main area displays a document titled 'Discussion Purchasing System' with several sections: 'Discussed Issues', 'Discussed Measures', 'Final Measures', and 'Final Remarks'. The document is heavily redacted with large black marks. At the bottom, there are five icons: 'Minutes', 'Start Video', 'Participants', 'Chat', and 'Report Case'.

 Tula's Institute, Dehradun  
Director



### Elastic Load Balancing

- Elastic Load Balancing automatically distributes incoming application traffic across multiple Amazon EC2 instances.
- It enables you to achieve fault tolerance in your applications, seamlessly providing the required amount of load balancing capacity needed to route application traffic.
- Elastic Load Balancing offers two types of load balancers that both feature high availability, automatic scaling, and robust security:
  - Classic Load Balancer
  - Application Load Balancer



  
Director  
Tula's Institute, Dehradun



CENTRE OF EXCELLENCE

# CERTIFICATE

Inspire  
to  
Aspire

This is to certify that

Mr. / Ms. JYOTIKA BATHLA

of

**TULAS INSTITUTE, DEHRADUN**

has successfully completed a 1 Week Add on Certificate on

**CLOUD COMPUTING USING AWS**

from 15th June'23 to 21st June'23

On behalf of RCPL INDIA

Director

Certification ID : RCPL-2023/5188

Date: 21st June'23

**Microsoft**  
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Director  
Tula's Institute, Dehradun

**Short Term  
Course on  
AutoCad**

## Department of Mechanical Engineering

**Event:** Short Term course on AUTOCAD by Electronics & ICT Academy IIT Kanpur.

**Organized by:** Department of Mechanical Engineering

**Objective:** The main objective of this course is to teach students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD. After completing this course users will be able to

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- Use constraint for certain design.

**Summary:** - Tula's Institute has Organized a 5 Days "Short Term course on AUTOCAD" in collaboration with Electronics & ICT Academy IIT Kanpur which started from 29 Aug. to 2 Sept. 2022. In These Five Days, The trainer for the offline session is Mr. Amarpreet Singh who is Senior Trainer at ICT ACADEMY affiliation with IIT KANPUR. He is also Founder, Director & C.E.O, Senior Manager, Corporate Trainer, Project Manager/Co-Ordinator, Content Developer & SME for higher Education Autodesk ATC Head, West Delhi, Delhi, India. He taught the students about Designing through software's such as Solid works, CATIA, CNC, CAM etc. Around 40+ Student form second, third and fourth year has participated in this program. They have got depth knowledge. On Last Day of short term course assessment is conducted for participant to check the success of the student Development Program. Students Preformed really well in Assessment Program. The student Development Program Successfully Concluded on 2 Sept.2022 with the valedictory session in the gracious presence of Dr. Sandeep Vijay (Director-Tula's),Dr.Nishant Saxena (Dean Academics) and Dr..Pradeep Kothiyal (HOD-ME).

Director  
Tula's Institute, Dehradun

**Vision**

- To emerge as an academic centre producing world class professionals promoting innovation and research.

**Mission:**

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

Dhoolkot, P.O. Selaqui, Chakrata Raod  
Dehradun-248011 (U.K. India)



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[info@tulas.edu.in](mailto:info@tulas.edu.in)



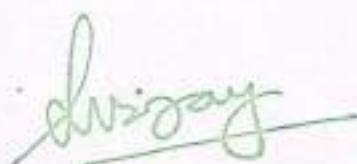
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**Outcome:-** Students will be able to learn:

- The new trends and future scope of AutoCAD in mechanical engineering it provides unique drafting tools that are used in drawings of engineering components, designs, and infrastructure. It also minimizes human errors and helps the users to bring their imagination to life with accuracy.

### **LEARNING OUTCOMES FOR THE STUDENTS**

1. Demonstrate basic concepts of the AutoCAD software
2. Apply basic concepts to develop construction (drawing) techniques
3. Ability to manipulate drawings through editing and plotting techniques
4. Understand geometric construction
5. Produce template drawings
6. Produce 2D Orthographic Projections
7. Understand and demonstrate dimensioning concepts and techniques
8. Understand Section and Auxiliary Views
9. Become familiar with the use of Blocks, Design Centre, and Tool Palettes
10. Become familiar with Solid Modelling concepts and techniques.



Dr. Avijay  
Director  
Tula's Institute, Dehradun

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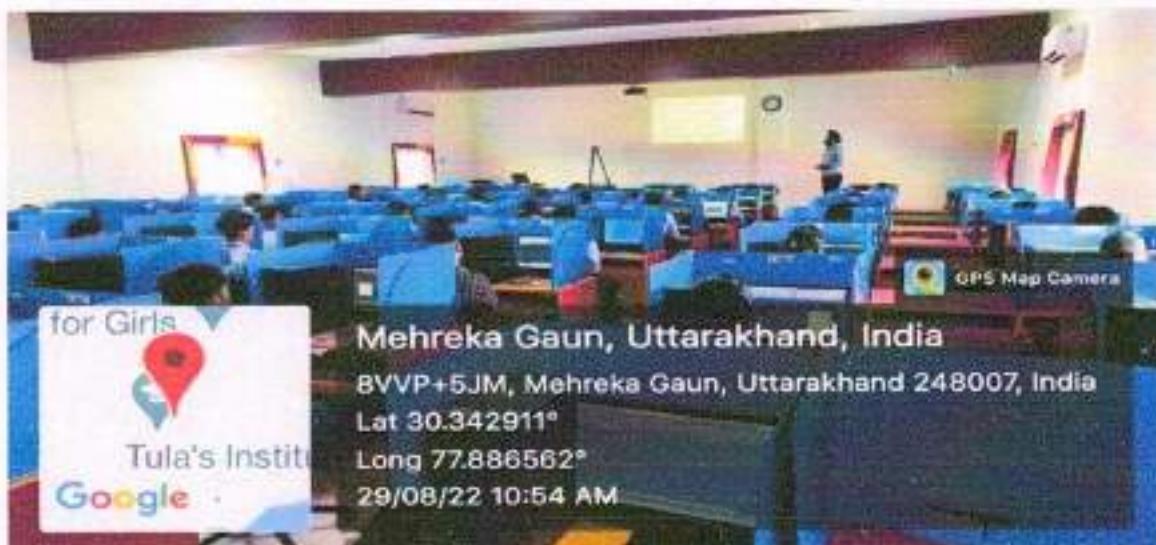
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[info@tulas.edu.in](mailto:info@tulas.edu.in)



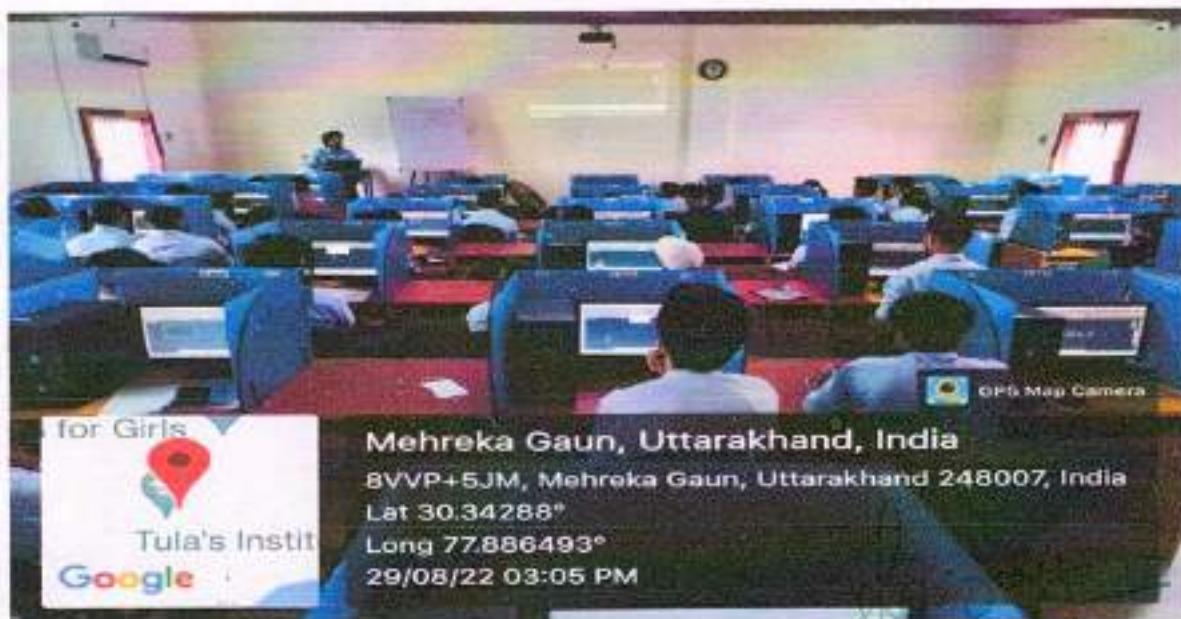
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## SHORT TERM COURSE ON AUTOCAD PHOTOGRAPHS

### DAY 1



### Introduction to AutoCAD



### Designing Tools

Director  
Tula's Institute, Dehradun

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- To emerge as an academic centre producing world class professionals promoting innovation and research.

#### Mission:

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- To Establish as technology driven teaching learning institution.
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- To Inculcate social, environmental, heritage values.



Dhoolkot, P.O. Selaqui, Chakrata Raod  
Dehradun-248011 (U.K. India)



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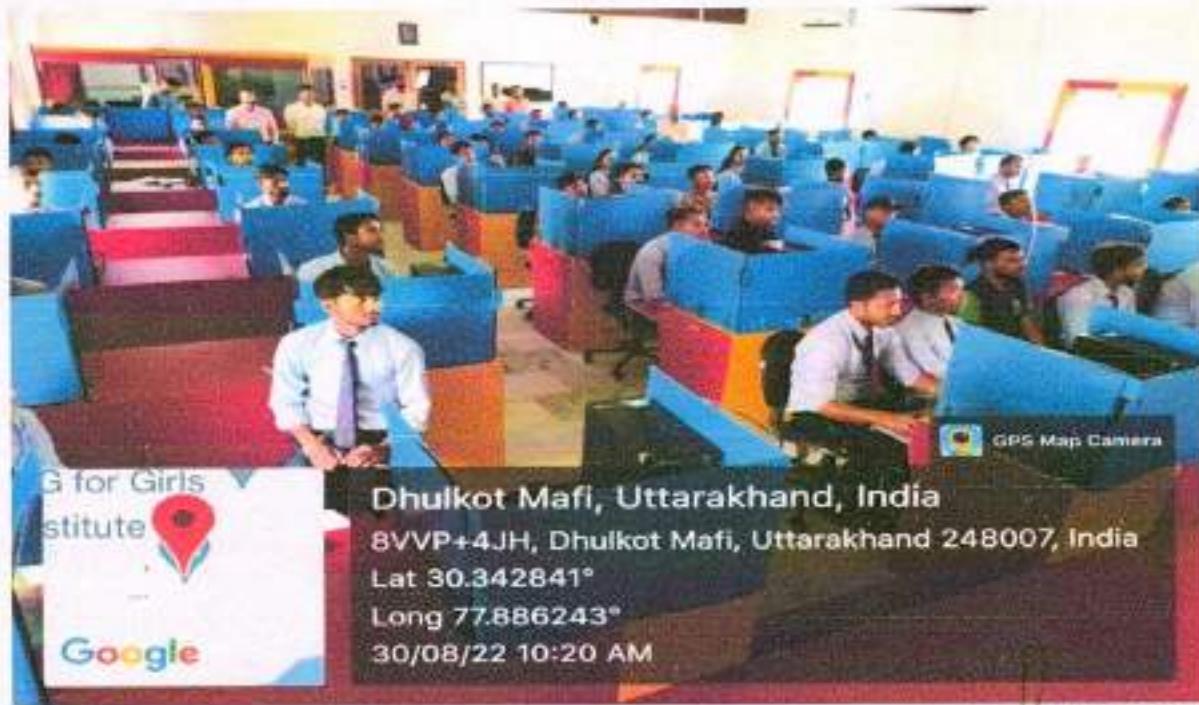


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## DAY 2



### Two Dimensional Operations



### Application of Three Dimensional Operations

Director  
 Tula's Institute, Dehradun

#### Vision

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#### Mission:

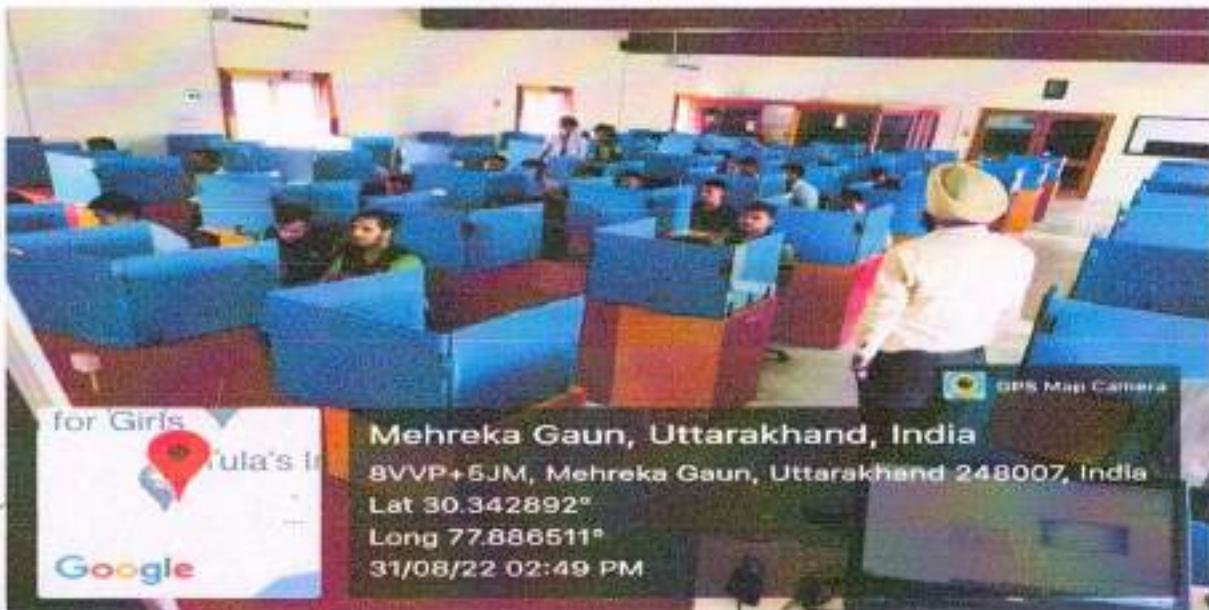
- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

Dhonkot, P.O. Selaqui, Chakrata Raod  
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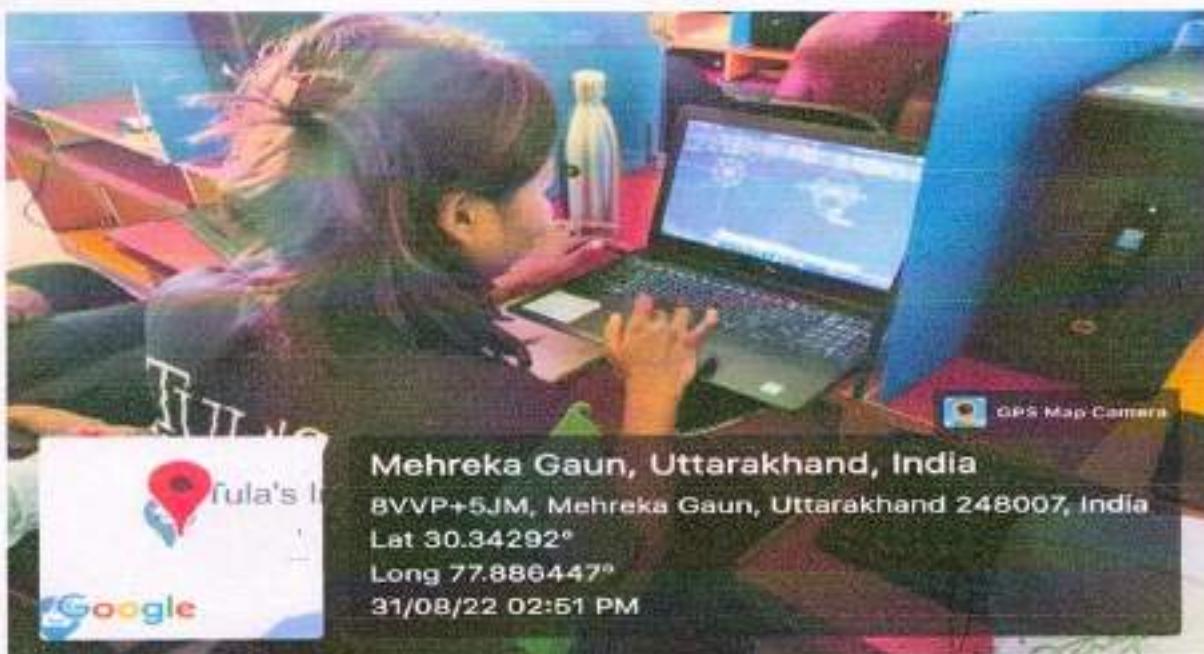
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## DAY 3



## Live Monitoring of Work



## Student Performing Solid works Operations

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Tula's Institute, Dehradun

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## E & ICT Academy, IIT Kanpur

(A joint initiative of MeitY & IIT Kanpur)

### Certificate

This is to certify that

Dr. / Mr. / Ms. Priyanshu Singh Bora of

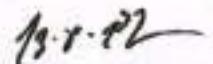
Tula's Institute, Dhoolkot

has completed the **Student Development Program** on

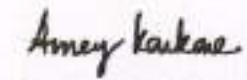
**AutoCAD**

from 29-08-2022 to 02-09-2022

  
Director  
Tula's Institute, Dehradun

  
13.9.22.

Prof B. V. Phani

  
Prof Amey Karkare

Date of Issue: 27-09-2022

System Identification No.: 3172-7124

Chief Investigator E & ICT Academy, IIT Kanpur

**Short Term  
Course on  
3D Printing**

### **Department of Mechanical Engineering**

**Event:** Add on Course on 3-D Printing Technology

**Organized by:** Department of Mechanical Engineering

**Objective:** The Add on course aims to give students and professionals the essentials that are needed to become a certified SOLIDWORKS AND 3-D PRINTING TECHNOLOGY PROFESSIONAL. The course will help individuals use the software with confidence and design/draft the next innovative thing. The course is designed to be a process or task-based approach to learning the individual features and functions of SOLIDWORKS AND 3-D PRINTING, thereby emphasizing processes and procedures for completion of any task. By building actual parts and assemblies, the student should learn the necessary commands, options, and menus in the context of completing a design task.

### **LEARNING OUTCOMES OF THE ADD ON COURSE**

Trainers introduced Solid Works software as a 3-D design tool. Covers creation, retrieval and modification of 3-D and layout drawings using basic Solid Works commands. Includes skills needed to create parametric models of parts and assemblies; generate dimensioned layouts; and Bill of Materials of those parts and assemblies. Three-dimensional (3D) printing is an additive manufacturing process that creates a physical object from a digital design. The process works by laying down thin layers of material in the form of liquid or powdered plastic, metal or cement, and then fusing the layers together.

#### **Industrial Uses**

Car and aircraft manufacturers have taken the lead in 3D manufacturing, using the technology to transform unibody and fuselage design and production, and power train design and production. Boeing is using 3D-printed titanium parts in the construction of its 787 Dream liner airliner

Director  
Tula's Institute, Dehradun

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#### **Mission:**

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- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.



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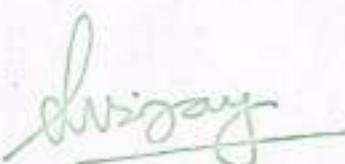
and the manufacturing of hearing aids, 3D printing is now customary. The use of 3D printing accelerates the process of manufacturing and enables manufacturers to make custom hearing aids. Audiologists can use 3D scanners to create a custom prototype using reference points from the scan. Manufacturers can feed the scan into a 3D printing machine and after fine-tuning the materials and the ear shapes, print the entire hearing aids.

### Intended Outcomes for the course

- Demonstrate competency with multiple drawing and modification commands in Solid Works.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industry standards in the preparation of technical mechanical drawings.
- Become familiar with the use of Blocks, Design Centre, and Tool Palettes.

### Summary

The Society of Mechanical Engineering, Tula's Institute conducted an "**Add on Course on 3- D Printing Technology**" for 5 Days i.e. from 1 May to 5 May 2023. The trainers for the offline session are **Mr. Akshay Rawat** who is **Technical Manager at Slog Solution Ltd.** And **Mr. Saurav Yadav Slog Solution Ltd.** Add on course completed successfully and concluded in presence of Director, Dean and Registrar of the college .



Director  
Tula's Institute, Dehradun

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- To Be educational centre of excellence of multi ethnicity and diversity.
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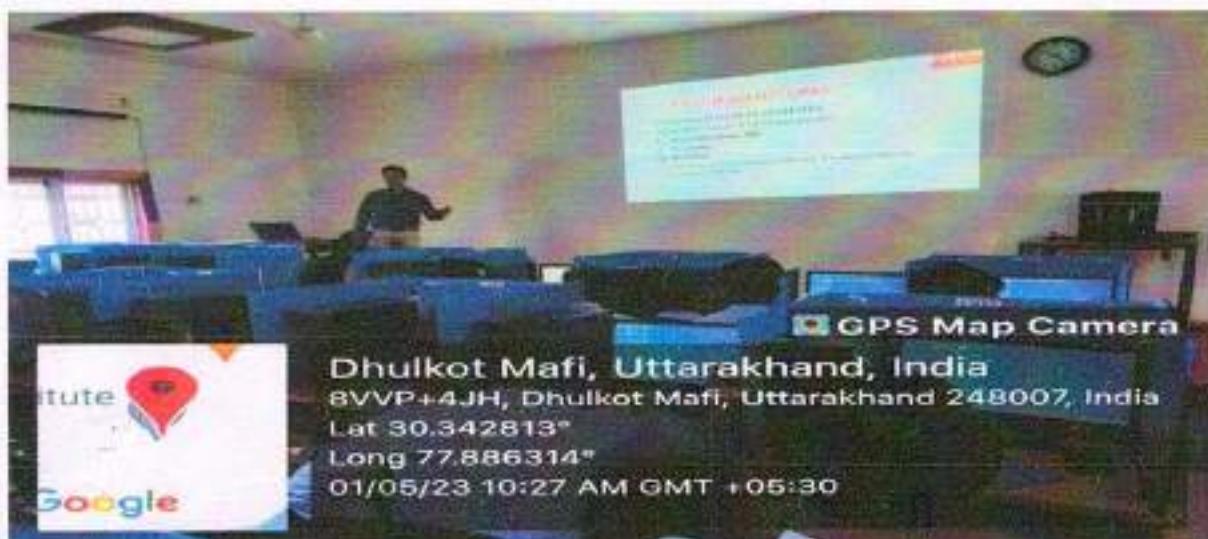


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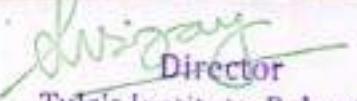
## SHORT TERM COURSE ON 3 D PRINTING TECHNOLOGY

### PHOTOGRAPHS

#### DAY 1



#### Introduction to Solid works

  
Director  
Tula's Institute, Dehradun

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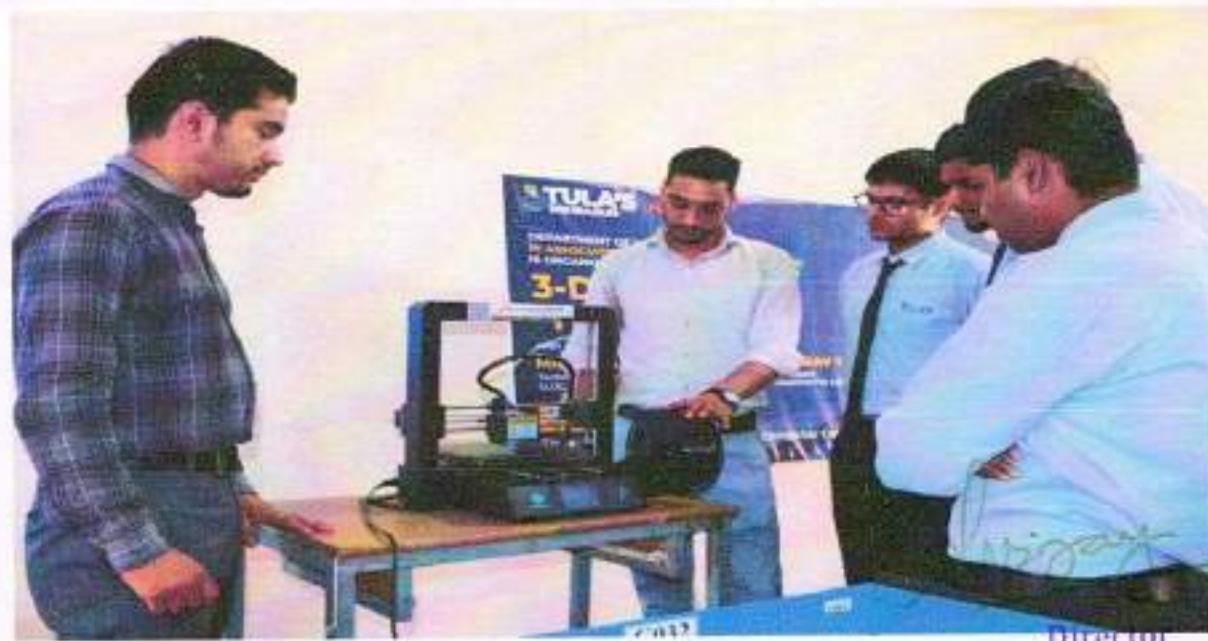


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## DAY 2



## Three Dimensional Operations



**3-D Printing Machine**

Director

Tula's Institute, Dehradun

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## CERTIFICATE OF TRAINING

This is to certify that

VISHNU

has successfully completed 5 Days Training Program on  
"3D Printing Technology"  
started from 01-May-23  
at Tula's Institute Dehradun.

*Chirag*  
Director  
Tula's Institute, Dehradun

*Sunil Singh*  
Sunil Singh  
Technical Manager  
SLOG Solutions Pvt. Ltd.

*Kiran Bish*  
Kiran Bish  
Marketing Manager  
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**Short Term  
Course On  
Electric Vehicle-  
Simulation &  
Design Using  
Matlab**

TULA'S INSTITUTE, DEHRADUN

**ONE WEEK SHORT TERM COURSE ON  
ELECTRIC VEHICLE SIMULATION AND  
DESIGN USING MATLAB  
ORGANIZED BY ENSINO RESEARCH AND  
DEVELOPMENT**



**TULA'S**  
DEHRADUN

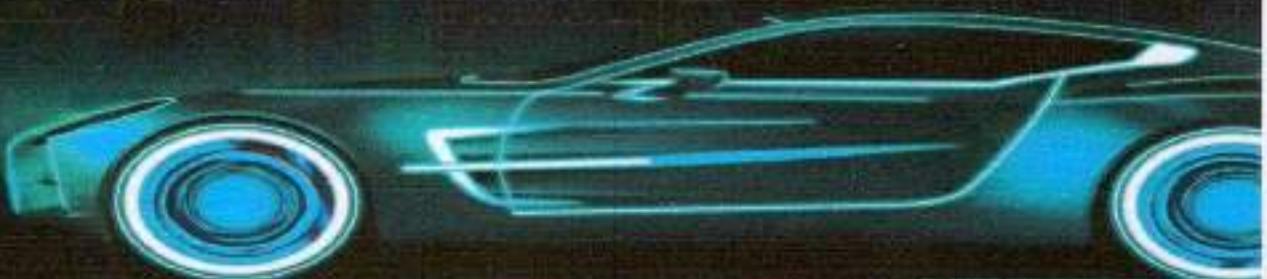
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING &  
ELECTRONICS & COMMUNICATION ENGINEERING  
IN ASSOCIATION WITH  
ENSINO RESEARCH AND DEVELOPMENT  
IS ORGANIZING 5 DAYS SHORT TERM COURSE ON

**"ELECTRIC VEHICLE- SIMULATION  
AND DESIGN USING MATLAB"**

FOR B.TECH ECE/EEE STUDENTS



**24<sup>TH</sup> - 28<sup>TH</sup> APRIL, 2023**

Time: 9:40 AM - 4:30 PM

Venue: COMPUTER LAB V, TULA'S INSTITUTE



Call to find out more  
**91-6366937159**



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Director  
Tula's Institute, Dehradun



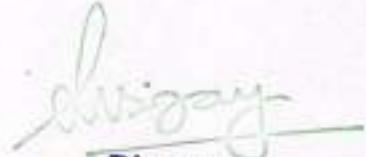
## TULA'S INSTITUTE, DEHRADUN

### COURSE OBJECTIVE

- To understand fundamental of MATLAB operators and variables.
- To introduce students programming in MATLAB script and functions.
- To understand fundamentals of Simulinks and Electric vehicle .
- To learn to implement inverter design using Simulink.
- Students will be explored to battery modeling using Simulink.
- Students will be able to design & develop power converter design.

### COURSE OUTCOME

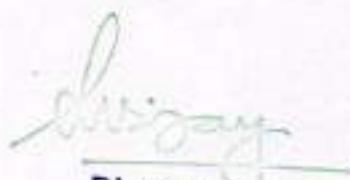
- Students will be able to implement an electric vehicle simulation for specific applications.
- Students will be able to understand the programming and file handling in MATLAB.
- Students will be able to design inverter using simulink.
- Students will be able to understand the forces and power for electric vehicle calculation..



Director  
Tula's Institute, Dehradun

A handwritten signature in black ink, appearing to read "Anil", is followed by a printed title "Director" and the name "Tula's Institute, Dehradun" in a blue serif font.

S. No.	Course	Content
1.	<p><b>"Electrical Vehicle Design and Simulation"</b></p>   <p><b>Day 1:</b>  INTRODUCTION to MATLAB:  Data Types, Inter-conversion of Data types, MATLAB Variables, Keywords and Constant, Session Command. MATLAB Operators and Operations: Operators (Arithmetic, Relational, Logical, Bitwise), Set Operations, Operator Precedence, Mathematical Functions.</p> <p>PROGRAMMING IN MATLAB Script and Function: Decision Making, Loops, branches, Functions, Working on Script File (Creating, Saving, and Executing), MATLAB I/O, and Formatted I/O Method.</p> <p><b>Day 2:</b>  ARRAYS AND GRAPHICS Matrices and Arrays: Introduction to Matrices, Operations on Arrays/Matrices, Manipulations of Arrays/Matrices, Expansion of Matrix Size, Reduction of Matrices/Arrays order, Graphics: Introduction to plot, Basic 2-D Plots (Style options, Labels, Axis control, etc.), specialized 2-D Plots, drawing multiple plots. Using MATLAB for fractals and chaos and the Conway game of life MODULE</p> <p>FILE HANDLING AND DEBUGGING File Handling: Introduction to file handling, working on files, accessing of Text files, Saving/ Loading MATLAB Variables, reading data without opening files, and reading and writing Excel.</p>	



Dr. Jitendra Singh  
Director  
Tula's Institute, Dehradoon



### Day 3:

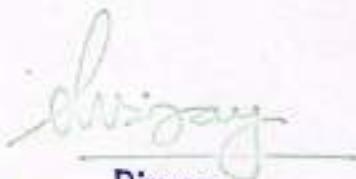
Introduction to Simulink Electric Vehicle Introduction  
Vehicle Dynamics Driving Scenario  
Forces in EV calculations  
Power for EV calculation

### Day 4:

Power converter Design, Inverter Design using Simulink, Introduction to MATLAB Simulink, DC motor speed control, BLDC motor control

### Day 5:

AC induction motor control, Battery Management system, Battery Modeling using Simulink, Battery Protection, Simscape Introduction, Simscape Fundamentals, Power train modeling

  
\_\_\_\_\_  
Director  
Tula's Institute, Dehradun



# TULA'S INSTITUTE, DEHRADUN

## WORKSHOP DETAILS

The one-week short-term course on "Electric vehicle simulation and design using MATLAB" was organized by Ensino research and development from 24<sup>th</sup> April to 28<sup>th</sup> April 2023. It was held at Lab-V (Computer Centre) in Tula's Institute. The workshop was started at 9:40 AM sharp with a warm welcome of workshop coordinator Mr. Abhishek Chakravorty (HOD, ECE/EEE Department) and trainer Er. Ashok Kumar. It involved the participation of all the students of the ECE and EEE department from the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> year.

### DAY 1 (24 APRIL 2023)

The first day of the workshop was started with the introduction of MATLAB. What is MATLAB variables and operators? Why do we learn MATLAB? The session was followed by some more important discussions on topics like Data types, inter-conversion of data types , MATLAB variables and operators,. Trainer has given detailed information on these topics as it is going to play an important role in a further session. Students covered the topics on the basics of MATLAB, Introduction to MATLAB, Programming in MATLAB script and function. What are the traditional techniques and how day by day techniques are going to be more advanced? So, these are the topics that students covered on the first day of our workshop. Overall, it was a good day and students learned more about these things.

### DAY 2 (25 APRIL 2023)

The second day of the session was started with the introduction to matrices followed by manipulations of arrays , specialized 2-D plots, Using MATLAB for fractals and chaos , introduction to file handling, working on files, reading and writing Excel. Students done the file handling and debugging . Under the guidance of Er.Ashok Sir, students came to know about the arrays and graphics.

Director  
Tula's Institute, Dehradun



# TULA'S INSTITUTE, DEHRADUN

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Tula's Institute, Dehradun

## TULA'S INSTITUTE, DEHRADUN

### DAY 3 (26 APRIL 2023)

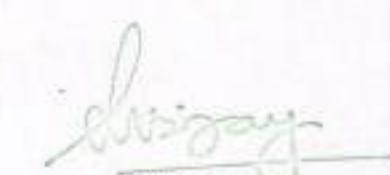
On the very next day, that means on the third day of the workshop students came to know about they introduction of Simulink and how we can perform our project on these platforms using Simulink. Firstly, Er. Ashok Kumar taught students some theoretical part of the content, and then students have started some theoretical work on Electric vehicle. On third day, students learned about vehicle dynamics driving scenario, Forces in EV calculation and power for EV calculation. Basically the third day was the most important day for all the students because they interacted Electric vehicle simulation. So it was an amazing experience for all the students to understand the Electric vehicle..

### DAY 4 (27 APRIL 2023)

Day fourth started with the action of simulation physically and students keep continuing to do this in fourth day of the workshop. So they started the day with power converter design. Students came to know about the inverter design using simulink, Introduction to MATLAB Simulink. Afternoon session was followed by development of DC motor speed control and BLDC motor control. It was a good day and a great learning experience for all the students.

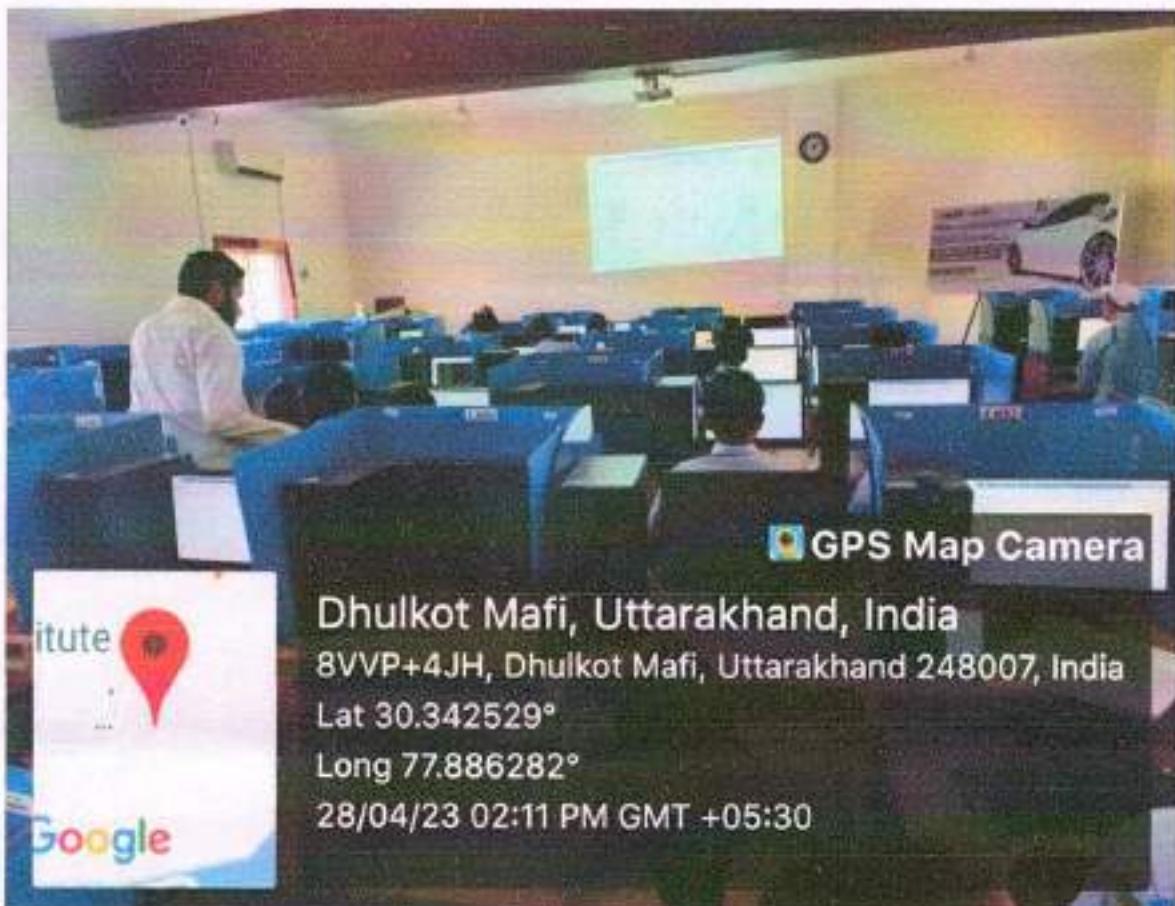
### DAY 5 (28 APRIL 2023)

Day fifth concluded with AC induction motor control, Battery management system . Students learned a lot of things about the course so that they can design battery modeling using simulink. They also understand the simscape introduction and its fundamentals. One week course of Electric vehicle simulation and design using MATLAB is ended with a test and filling of feedback form by students. They also got to know how they can implement their idea in future.



Director  
**Tula's Institute, Dehradun**

**SHORT TERM COURSE ON ELECTRIC VEHICLE SIMULATION  
AND DESIGN USING MATLAB** PHOTOGRAPHS



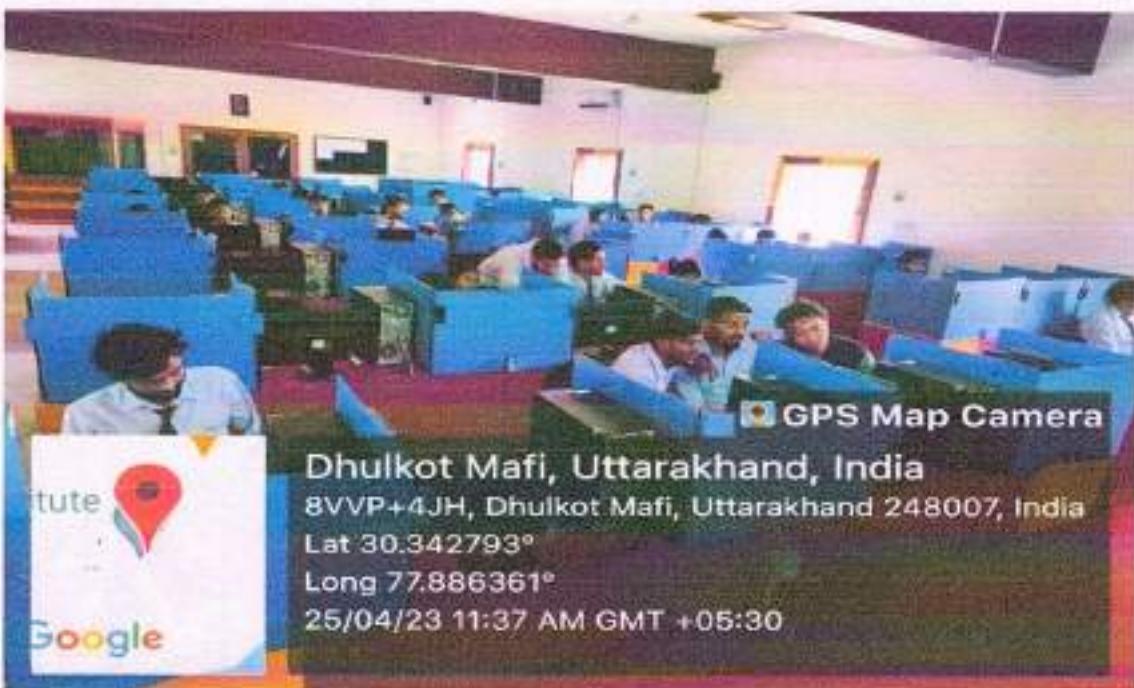
**EV Simulation and design Lab Photographs**



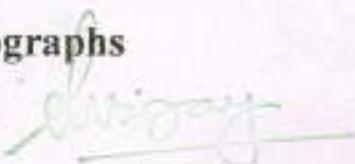
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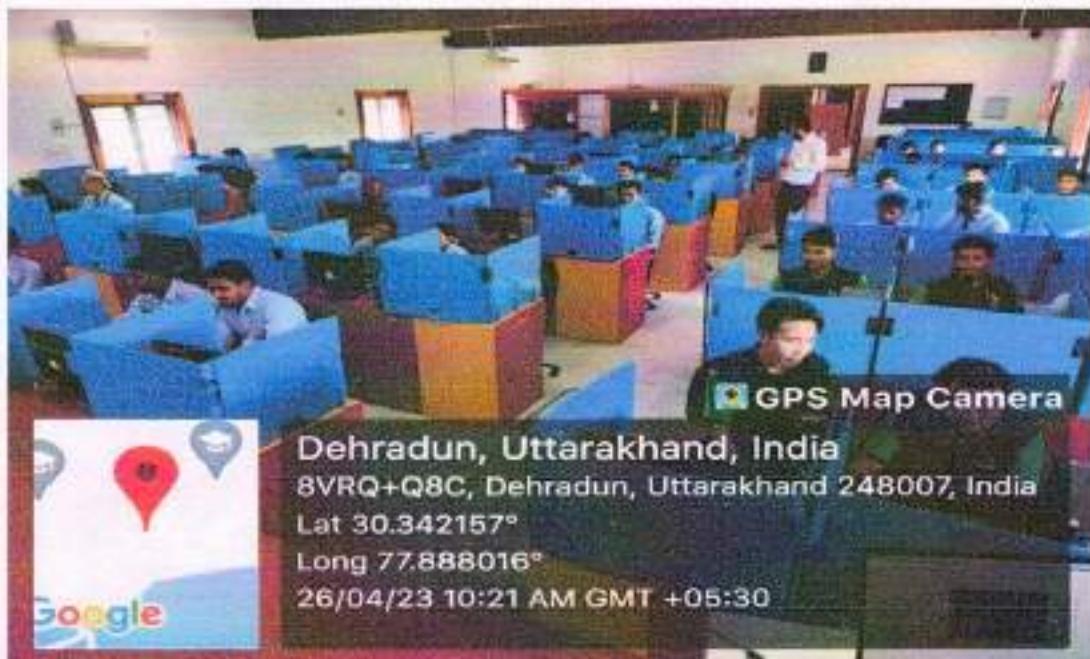
### EV Simulation and design Lab Photographs



### EV Simulation and design Lab Photographs



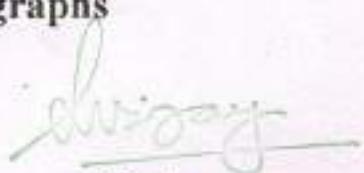
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### EV Simulation and design Lab Photographs



### EV Simulation and design Lab Photographs



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# Certificate

## OF PARTICIPATION

This is to certify that

**THUNGCHIBEMO NGULLIE**

has successfully participated in

one week hands on workshop program on

"Electric Vehicle Design & Simulation"

from 24th Apr 2023 to 28th Apr 2023

Organized by

Tula's Institute in association with Ensino R&D

Thungchibemo

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Innovation of Educational Initiatives

IIC-Tula's Institute

Director  
Tula's Institute, Dehradun

Director (Tula's Institute)

Certificate Number : ERD/D/21/05055

## Node.js Workshop Report

Empowering Participants with In-Depth Knowledge and Practical Skills

Tula's Institute conducted a comprehensive 6-day workshop on Node.js from 22nd June 2023 to 28th June 2023. The workshop aimed to provide participants with in-depth knowledge and practical skills in Node.js, a popular runtime environment for building server-side and networking applications.

### Inaugural Session:

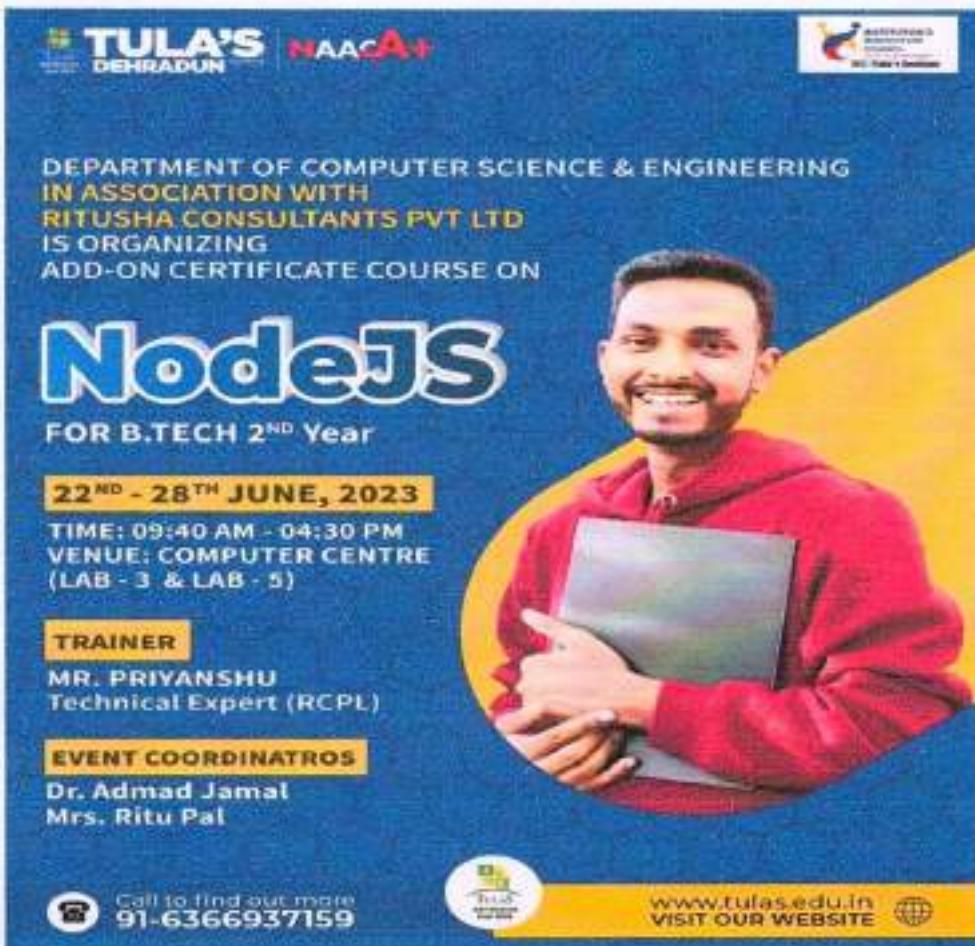
The workshop commenced on 22nd June 2023 with an inaugural session graced by esteemed speakers, including:

Dr. Sandeep Vijay, Professor and Director, Tula's Institute

Dr. Nishant Saxena, Professor and Dean Academics, Tula's Institute

Dr. Anand Kumar Gupta, Associate Professor and HOD CSE, Tula's Institute

Mr. Priyanshu, Node.js Trainer.



**TULA'S DEHRADUN NAAC+A+**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
IN ASSOCIATION WITH  
RITUSHA CONSULTANTS PVT LTD  
IS ORGANIZING  
ADD-ON CERTIFICATE COURSE ON

# NodeJS

FOR B.TECH 2<sup>ND</sup> Year

22<sup>ND</sup> - 28<sup>TH</sup> JUNE, 2023

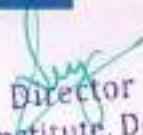
TIME: 09:40 AM - 04:30 PM  
VENUE: COMPUTER CENTRE  
(LAB - 3 & LAB - 5)

**TRAINER**  
MR. PRIYANSHU  
Technical Expert (RCPL)

**EVENT COORDINATORS**  
Dr. Admad Jamal  
Mrs. Ritu Pal

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Director  
Tula's Institute, Dehradun

### Workshop Overview:

Node.js is a powerful JavaScript runtime built on Chrome's V8 JavaScript engine, which allows developers to build scalable and efficient server-side applications. The Node.js Workshop, conducted by Tula's Institute from 22nd June 2023 to 28th June 2023, aimed to provide participants with a comprehensive understanding of Node.js and equip them with practical skills to develop robust web applications. This report highlights the key concepts and components covered in the workshop and provides a detailed summary of the event.

### Key Concepts and Components of Node.js:

- Asynchronous Programming: Node.js utilizes an event-driven, non-blocking I/O model, enabling developers to handle multiple requests concurrently without blocking the execution of other tasks. This asynchronous programming approach enhances the scalability and performance of applications.
- Server-Side JavaScript: Node.js allows JavaScript to be executed on the server-side, enabling developers to use a single language for both client-side and server-side development. This streamlines the development process and promotes code reuse.
- NPM (Node Package Manager): NPM is a package manager for Node.js that provides a vast ecosystem of open-source libraries and modules. It simplifies the integration of third-party packages into Node.js applications, enabling developers to leverage existing solutions and accelerate development.
- Event-Driven Architecture: Node.js follows an event-driven architecture, where events trigger callbacks that handle specific actions. This event-driven approach allows developers to build scalable and responsive applications that can handle a large number of concurrent connections.
- Express.js Framework: Express.js is a popular web application framework for Node.js, providing a robust set of features for building APIs, web servers, and middleware. It simplifies routing, request handling, and response management, facilitating the development of scalable web applications.

### Workshop Objectives:

The Node.js workshop had the following objectives:

- Understanding Node.js: Participants gained a comprehensive understanding of Node.js, its architecture, and its role in building scalable applications.
- Asynchronous Programming: The workshop focused on teaching participants the concepts of asynchronous programming and the use of callbacks, promises, and async/await to handle non-blocking I/O operations effectively.
- Web Application Development: Participants learned how to build web applications using popular frameworks such as Express.js, leveraging the power of Node.js for backend development.
- Database Integration: The workshop covered integrating databases, such as MongoDB or MySQL, with Node.js applications, enabling participants to create robust and data-driven web applications.



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- Testing and Debugging: Participants were introduced to testing frameworks like Mocha and Chai, as well as debugging techniques to ensure the quality and reliability of their Node.js applications.

#### Workshop Activities:

Throughout the workshop, participants engaged in a range of activities to enhance their learning experience. These activities included:

- Hands-on Coding: Participants actively practiced writing code and implementing various Node.js concepts and features.
- Interactive Sessions: Regular interactive sessions were held to encourage participant engagement, address queries, and promote a deeper understanding of the topics covered.
- Q&A and Discussion: Question and answer sessions provided a platform for participants to seek clarification and engage in discussions with the workshop trainers and fellow attendees.
- Projects and Case Studies: Participants collaborated on projects and case studies, applying their Node.js skills to solve real-world problems and gain practical experience.

#### Outcomes and Impact:

The Node.js workshop yielded several positive outcomes and had a significant impact on the participants, including:

- Enhanced Technical Skills: Participants acquired in-depth knowledge of Node.js and its associated frameworks, empowering them to develop scalable and high-performance web applications.
- Industry Relevance: The workshop focused on teaching skills that are in high demand in the industry, making participants more marketable and increasing their employment prospects.
- Hands-on Experience: Through practical coding exercises and projects, participants gained hands-on experience in developing Node.js applications, boosting their confidence in real-world scenarios.
- Networking Opportunities: The workshop provided a platform for participants to interact with industry experts and fellow attendees, fostering valuable professional connections and potential collaborations.
- Skill-Based Learning: The workshop aligned with Tula's Institute's emphasis on skill-based education, enabling participants to acquire practical skills that are directly applicable in the field of web development.

#### Summary Report:

The Node.js Workshop organized by Tula's Institute spanned six insightful days, from 22nd June 2023 to 28th June 2023, and witnessed enthusiastic participation from students and professionals alike. The workshop commenced with an inaugural session, graced by esteemed speakers including Dr. Sandeep Vijay, Dr. Nishant Saxena, Dr. Anand Kumar Gupta, and Mr. Priyanshu.

Throughout the workshop, participants delved into the key concepts and components of Node.js, gaining a solid foundation in server-side JavaScript development. They learned about asynchronous programming, harnessing the event-driven architecture, utilizing NPM for package management, and leveraging the Express.js framework for web application development.

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The workshop fostered an interactive learning environment, with regular Q&A sessions and engaging discussions to address participants' queries and encourage brainstorming. Each day included hands-on exercises and coding assignments, allowing attendees to apply their knowledge and develop practical skills in Node.js.

A comprehensive user manual on Node.js was provided to the participants, serving as a valuable resource for further learning and reference. Daily assessments were conducted to gauge the learning progress of the participants, ensuring a comprehensive understanding of the concepts covered.

On the final day of the workshop, participants provided their feedback, expressing their satisfaction with the quality and value of the program. The workshop successfully empowered the participants with in-depth knowledge of Node.js and equipped them with the practical skills required to develop scalable and efficient web applications.

The objectives of the workshop, including enhancing participants' understanding of Node.js, promoting skill-based learning, and fostering industry readiness, were achieved to a great extent. The enthusiastic participation and positive feedback from the attendees validate the success of the workshop in empowering individuals with valuable Node.js expertise.

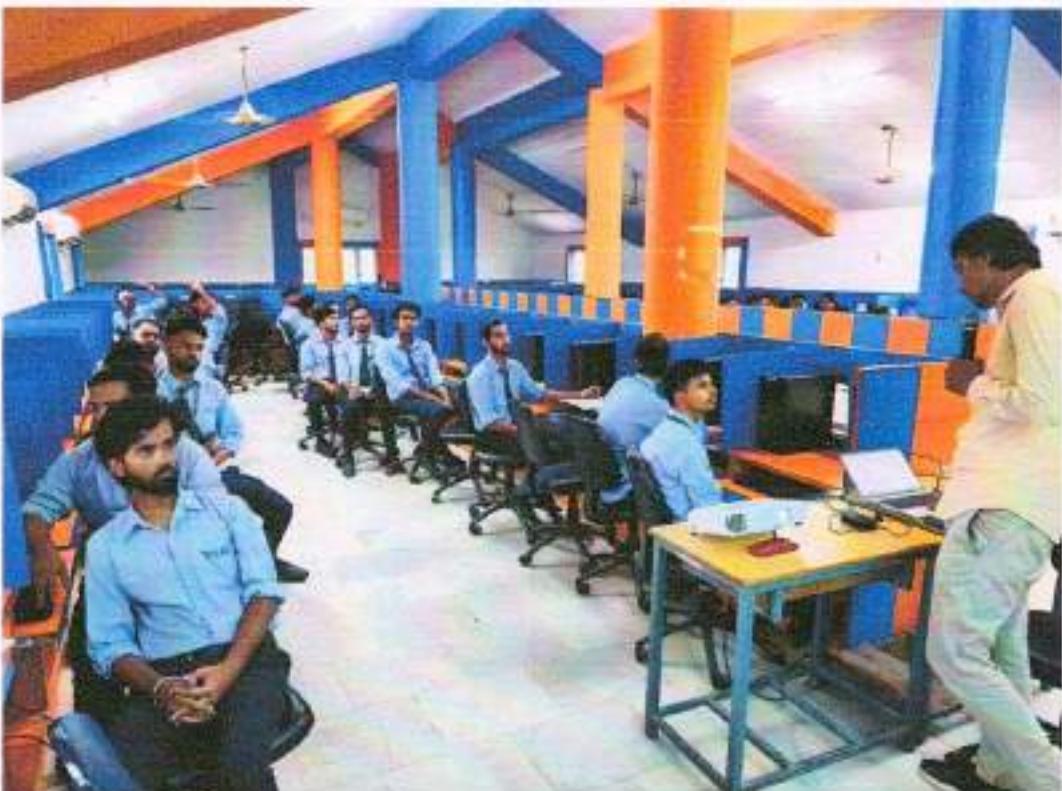
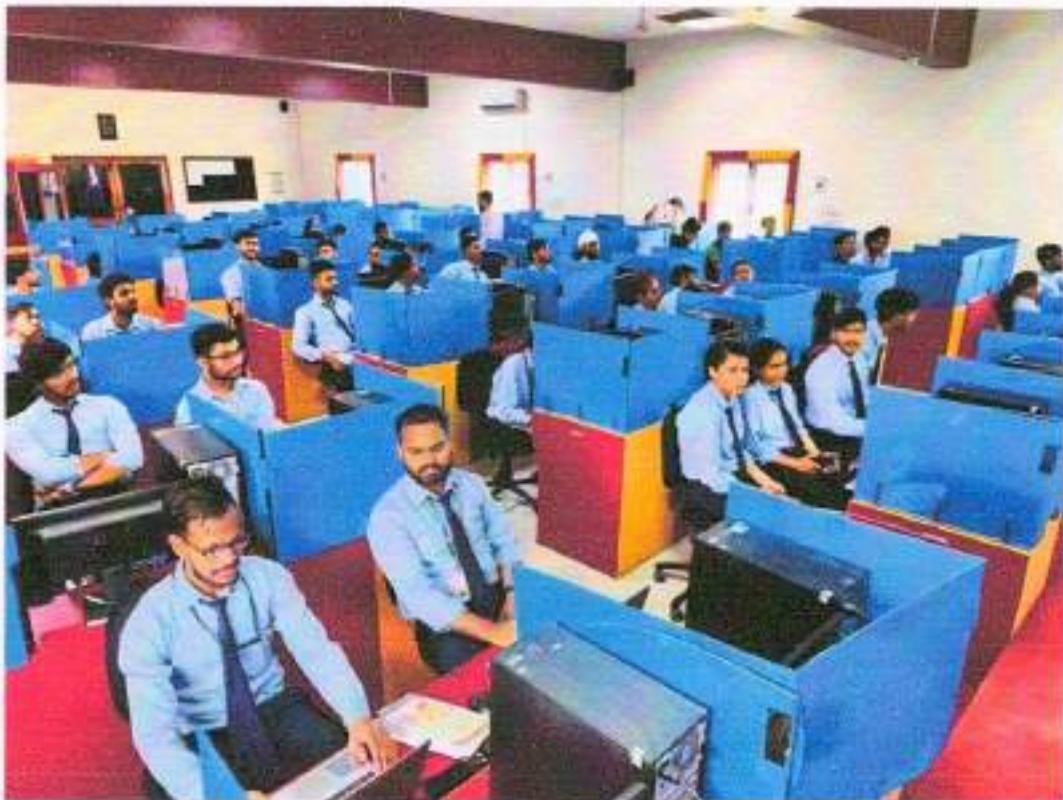
The organizers and the management of Tula's Institute were acknowledged and appreciated by the participants for their efforts in conducting a fruitful, dynamic, and knowledge-based Node.js Workshop that has equipped them to excel in the industry and unleash their full potential.

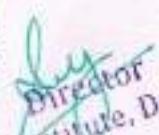
Overall, the Node.js Workshop at Tula's Institute proved to be an invaluable learning experience, bridging the gap between theory and practice and paving the way for participants to embark on successful Node.js development journeys.

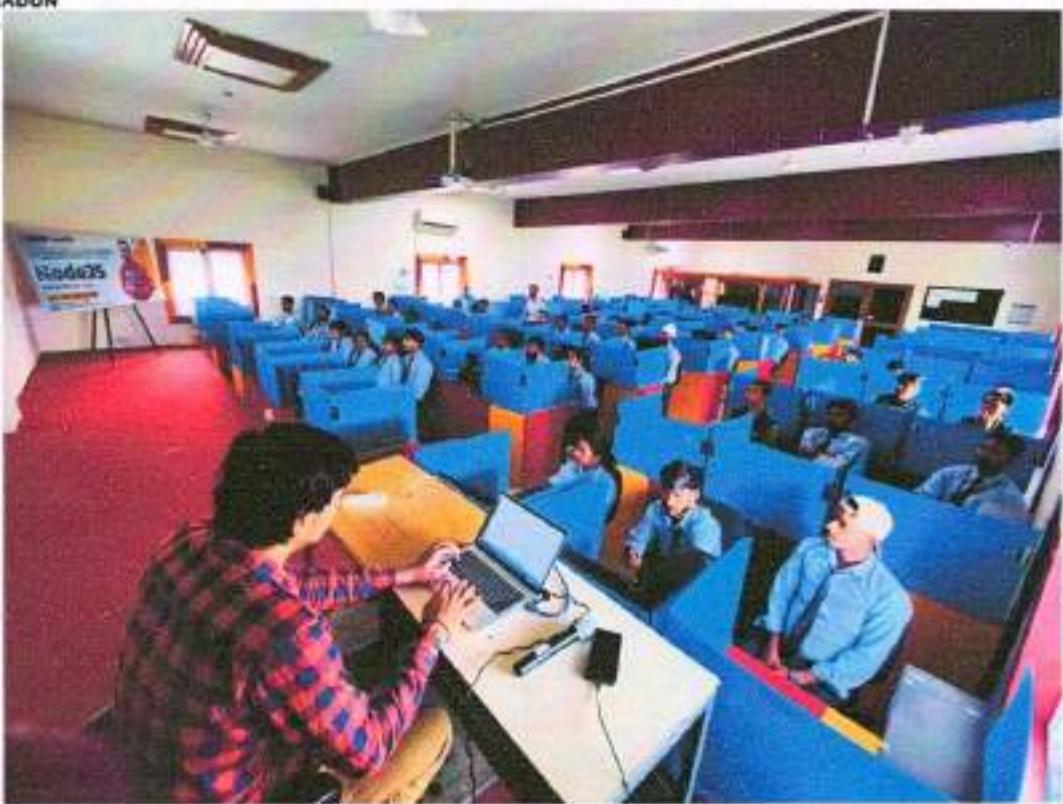


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has successfully completed a 1 Week Add on Certificate on

**NODE JS**

from 22nd June'23 to 28th June'23

On behalf of RCPL INDIA

Director

Certification ID : RCPL-2023/4923

Date: 28th June'23

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**Short Term  
Course On  
UiPath And  
Rpa**

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## EVENTREPORT

Tula's Institute is conducted a 6-day Workshop on UiPath & RPA from 22<sup>nd</sup> June 2023 to 28<sup>th</sup> June 2023. The inaugural session was held on 22<sup>nd</sup> June 2023 and the occasion was graced by esteemed inaugural speakers namely:-

- Dr. Sandeep Vijay (Professor and Director, Tula's Institute)
- Dr. Nishant Saxena (Professor and Dean Academics, Tula's Institute)
- Dr. Anand Kumar Gupta (Associate Professor and HOD CSE, Tula's Institute)
- Mr. Mohit Panwar (Trainer, UiPath & RPA)



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**DEPARTMENT OF COMPUTER SCIENCE & ENGG.  
IN ASSOCIATION WITH  
RITU SHA CONSULTANTS PVT LTD  
IS ORGANIZING ADD-ON CERTIFICATE COURSE ON**

# UIPATH AND RPA

FOR B.TECH 3<sup>RD</sup> & MCA 1<sup>ST</sup> Year

**19<sup>TH</sup> - 24<sup>TH</sup> JUNE, 2023**

TIME: 09:40 AM - 04:30 PM  
VENUE: COMPUTER CENTRE  
(LAB - 1 & LAB - 2)

**TRAINER**

**MR. MOHIT PANWAR**  
Technical Expert (RCPL)

**EVENT COORDINATORS**

Ms. Akansha Srivastav  
Mr. Gaurav Mittal



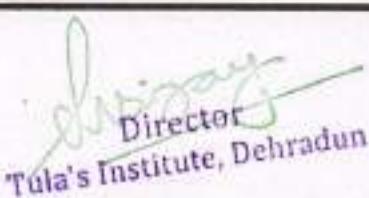
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## EVENT POTSER

  
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## Department of Computer Science & Engineering

**Event:** Short Term Course on UiPath & RPA

**Organized by:** Department of Computer Science & Engineering

**Date:** 22 June 2023 to 28 June 2023

### **Objectives:**

The objective of the UiPath and RPA workshop is to provide participants with a comprehensive understanding of Robotic Process Automation (RPA) and how UiPath can be utilized to design, deploy, and manage automation solutions. The workshop aims to equip participants with the skills and knowledge required to effectively automate business processes, thereby improving efficiency, accuracy, and scalability within their organizations. The specific objectives of the workshop are as follows:

#### **1. Introduction to RPA Concepts:**

- Objective: Provide a foundational understanding of RPA, its benefits, and its role in modern business operations.
- Outcome: Participants will understand what RPA is, how it works, and the various use cases where RPA can be applied.

#### **2. Overview of UiPath Platform:**

- Objective: Introduce the UiPath platform, including its main components: UiPath Studio, UiPath Orchestrator, UiPath Robots, and UiPath Assistant.
- Outcome: Participants will gain familiarity with the UiPath ecosystem and its functionalities.

#### **3. Hands-on Experience with UiPath Studio:**

- Objective: Provide practical experience in designing automation workflows using UiPath Studio.
- Outcome: Participants will be able to create basic automation workflows, use drag-and-drop activities, and customize workflows with scripts.

#### **4. Bot Deployment and Management:**

- Objective: Teach participants how to deploy bots using UiPath Orchestrator and manage their execution and monitoring.
- Outcome: Participants will learn how to schedule bot operations, monitor their performance, and troubleshoot issues.

#### **5. Automation of Real-World Scenarios:**

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- Outcome: Participants will acquire the skills to deploy and manage bots using UiPath Orchestrator.
- Details: They will understand how to schedule bots, monitor their performance, handle exceptions, and manage bot operations remotely, ensuring smooth and effective automation processes.

### 3. Capability to Identify and Automate Suitable Processes:

- Outcome: Participants will be able to identify repetitive, rule-based tasks within their organizations that are ideal candidates for automation.
- Details: They will learn how to analyze business processes, determine automation potential, and apply RPA to enhance efficiency and accuracy.

### 4. Knowledge of Best Practices and Governance:

- Outcome: Participants will understand the importance of implementing best practices and governance frameworks in RPA projects.
- Details: They will gain insights into maintaining security, compliance, and control while automating processes, ensuring that automation initiatives are sustainable and scalable.

### 5. Insight into Advanced RPA Features and Future Trends:

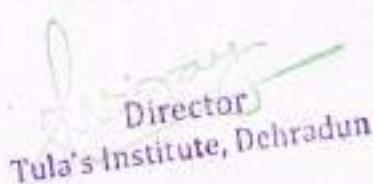
- Outcome: Participants will gain introductory knowledge of advanced UiPath features such as AI integration, machine learning, and process mining, as well as an understanding of future trends in RPA.
- Details: They will learn how to leverage these advanced capabilities to create smarter and more adaptive automation solutions, positioning their organizations to stay ahead in the rapidly evolving landscape of business process automation.

### Summary Report

#### Introduction

The UiPath & Robotic Process Automation (RPA) workshop was designed to provide participants with a comprehensive understanding of RPA and how UiPath, a leading RPA tool, can be used to automate business processes. The workshop aimed to cover the fundamentals of RPA, hands-on training with UiPath, and real-world applications of RPA.

#### Workshop Objectives



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- Objective: Apply RPA concepts to real-world business scenarios to demonstrate the practical benefits of automation.
- Outcome: Participants will be able to identify processes suitable for automation and design workflows that improve efficiency and accuracy.

## 6. Best Practices and Governance:

- Objective: Educate participants on best practices for RPA implementation, including governance, compliance, and security considerations.
- Outcome: Participants will understand the importance of maintaining security and compliance while automating processes and how to implement governance frameworks.

## 7. Introduction to Advanced Features:

- Objective: Introduce advanced UiPath features such as AI integration, machine learning models, and process mining.
- Outcome: Participants will gain insights into how advanced features can enhance their automation projects and drive further efficiencies.

## 8. Future Trends in RPA:

- Objective: Explore the future trends and developments in the RPA landscape, including hyper automation and cloud-based RPA solutions.
- Outcome: Participants will be aware of the evolving trends in RPA technology and how to leverage them for competitive advantage.

## 9. Interactive Q&A and Problem Solving:

- Objective: Provide an opportunity for participants to ask questions, discuss challenges, and receive personalized guidance.
- Outcome: Participants will leave the workshop with answers to their specific queries and solutions to potential challenges they might face in implementing RPA.

### Outcomes:

#### 1. Proficiency in Designing Automation Workflows:

- Outcome: Participants will be able to design, build, and deploy efficient automation workflows using UiPath Studio.
- Details: They will learn to use the drag-and-drop interface, pre-built activities, and scripting capabilities to create automation solutions tailored to their specific business needs.

#### 2. Understanding of Bot Deployment and Management:

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Understanding RPA: To introduce the concept of RPA, its benefits, and its impact on business processes.

UiPath Training: To provide hands-on experience with UiPath Studio, the primary development environment for creating RPA bots.

Real-World Applications: To explore practical use cases of RPA in various industries.

Project Development: To enable participants to develop and deploy a simple RPA project using UiPath.

### 3. Workshop Structure

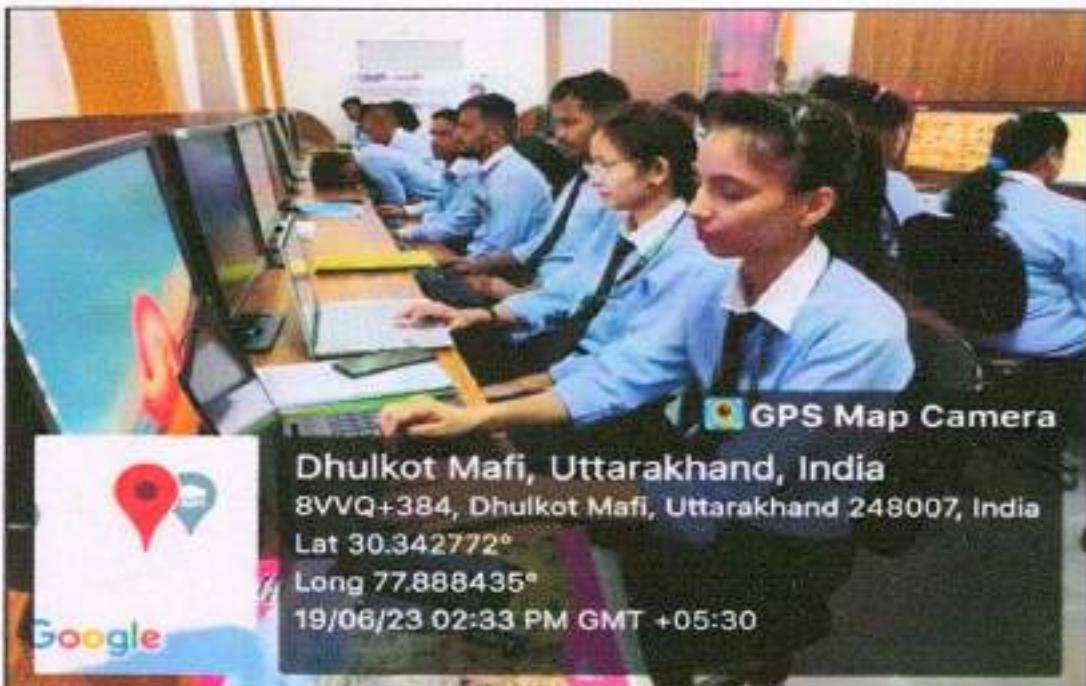
The workshop was divided into four main sections:

- 1-Introduction to RPA
- 2-Getting Started with UiPath
- 3-Advanced UiPath Features and Techniques
- 4-Real-World RPA Projects

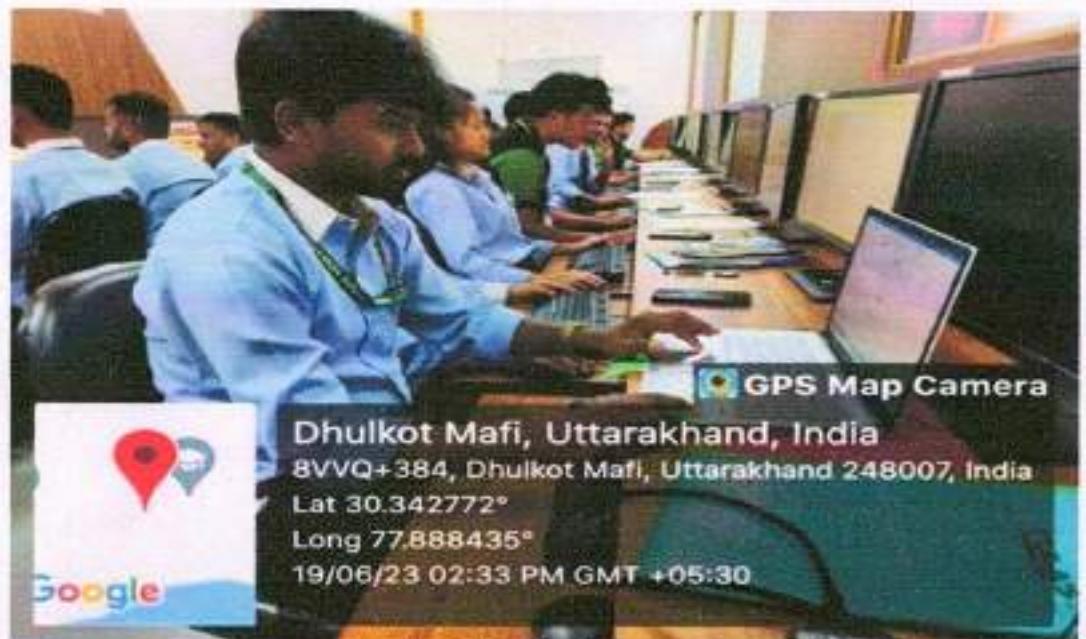


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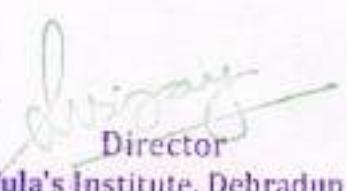
**EVENT PHOTOGRAPHS**



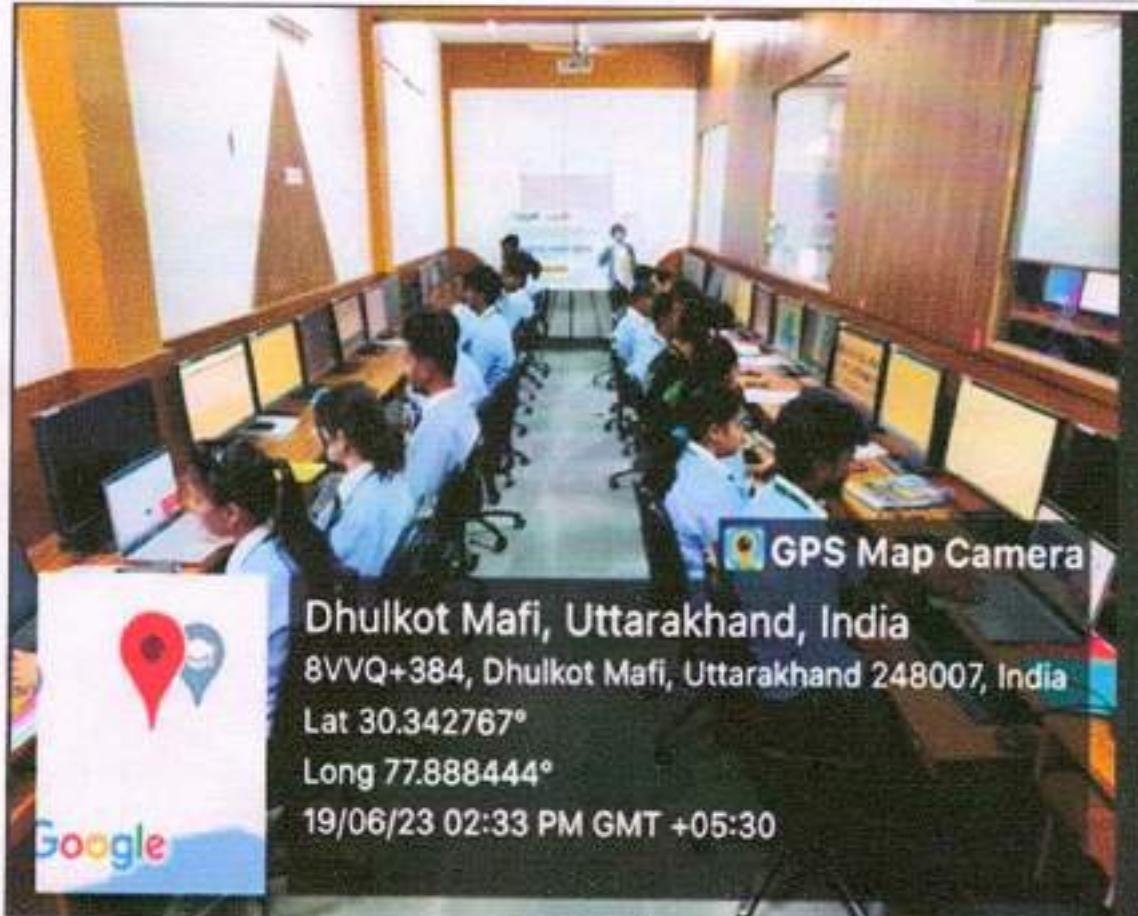
Lab Session



Lab Session

  
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Lab Session

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Mr. / Ms. **J. LALRINMUANI**

of

**TULAS INSTITUTE, DEHRADUN**

has successfully completed a 1 Week Add on Certificate on  
**UiPath & RPA**

from 19th June'23 to 24th June'23

On behalf of RCPL INDIA

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

Director

Certification ID : RCPL-2023/5272

Date: 24th June'23

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**1 Week Add On  
Certificate  
Course On  
Google Sketchup**



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### EVENT POSTER

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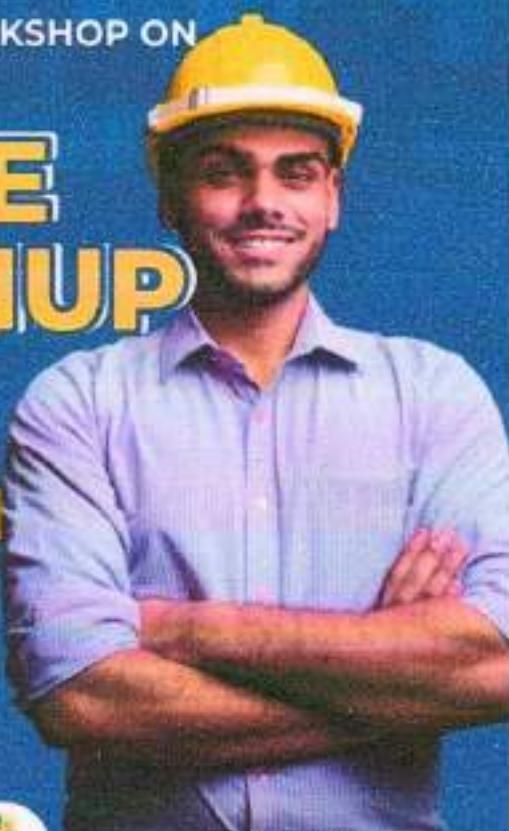
DEPARTMENT OF CIVIL ENGINEERING IS ORGANIZING A WORKSHOP ON

# GOOGLE SKETCHUP

FOR B.TECH CIVIL ENGINEERING STUDENTS

20<sup>TH</sup> - 24<sup>TH</sup> JUNE, 2023

TIME: 10:00 AM - 3:00 PM  
VENUE: COMPUTER CENTRE, LAB - 4



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- Establish as technology drives teaching learning institution.
- Provide world class platform for research and innovation.
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## EVENT SUMMARY

### Department of Civil Engineering

#### 5 Days Add-On certification course on Sketch up

Date- 26/06/2023/DCE/Tula's Institute

#### Objectives:

- 1- To demonstrate proper use of the Google sketch up software in civil and architecture field.
- 2- To create various building components such as walls, slabs, columns, Doors & Windows.
- 3- To make students skillful in Google sketch up and to make them industry ready.

**Summary:** The immersive and enlightening 5-day Add-on Certification Course on Google Sketch Up, which took place from June 20th to June 21st, 2023, marked a significant milestone in the participant's journey towards mastering the art of civil, architectural and interior design. This event, meticulously designed to enrich student's skill sets and elevate their creative prowess, was inaugurated with great aplomb on its opening day by none other than the esteemed Dean of Academics and the venerable Department Head. The students from B.Tech civil engineering branch of all 4 years participated in this course.

Google Sketch Up, the focal point of this enriching course, proved to be a versatile and indispensable tool in the realm of design. Its capabilities transcend traditional design methods, allowing creators to visualize and bring to life intricate concepts in both 2D and 3D dimensions. The course, guided by industry experts and seasoned instructors, offered participants an in-depth exploration of this dynamic software, enabling them to delve into the nuances of architectural modeling, space planning, and component detailing.

The curriculum was thoughtfully curated to provide a comprehensive learning experience. Students embarked on a journey that encompassed various facets of design, from conceptualizing and sketching initial ideas to translating them into intricate digital models. Through a series of hands-on exercises and engaging tutorials, attendees honed their skills in navigating the software's interface, creating precise measurements, and adding intricate details that breathe life into their designs.

One of the course's highlights was the emphasis on house planning, both in 2D and 3D formats. Students delved into the intricacies of designing spaces that are not only aesthetically pleasing but also functional and optimized for human habitation. They learned to transform a blank canvas into a virtual realm where walls, windows, doors, and furniture seamlessly coexist to create harmonious living spaces.

Furthermore, participants had the opportunity to explore the diverse array of building components that

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Google Sketch Up offers. From designing stunning facades that evoke architectural splendor to crafting minute details such as staircases, railings, and structural elements, the course exposed students to a rich palette of design possibilities. This comprehensive understanding of various building components empowered the participants to create holistic and visually appealing designs that encompassed every aspect of architectural composition.

The course wasn't solely focused on individual endeavors; it also fostered a collaborative environment. Participants engaged in interactive group activities, where they shared ideas, critiqued each other's work, and collectively tackled design challenges. This collaborative spirit enriched their learning experience and provided a glimpse into the dynamic and collaborative nature of the design industry.

As the event culminated on the 5th day, a sense of accomplishment and pride filled the air as participants were awarded certificates of completion. These certificates symbolized not only the successful culmination of the course but also the participants' dedication, hard work, and newfound expertise in Google Sketch Up. Armed with this valuable knowledge, participants were well-equipped to embark on their professional journeys, equipped with the tools to bring their creative visions to life.

In retrospect, the 5-day Add-on Certification Course on Google Sketch Up transcended conventional learning, becoming a transformative experience that widened student's horizons and kindled their imaginative potential. By harnessing the power of Google Sketch Up, attendees emerged as confident and proficient designers, capable of shaping and enhancing the world around them through innovative and visually captivating designs. This course was a testament to the enduring impact of hands-on learning and the boundless possibilities that emerge when creativity intersects with technology.

**Outcomes:** Students achieved following outcomes from the 5 Days course:

1. Proficient Google Sketch Up Usage
2. Enhanced 2D and 3D Design Skills
3. Comprehensive House Planning Expertise
4. Component Detailing Mastery
5. Effective Architectural Visualization
6. Collaborative Design Aptitude
7. Certificate of Completion
8. Improved Professional Preparedness
9. Increased Creative Confidence
10. Valuable Networking Opportunities



**Dr. Amit Kumar**  
HoD  
Department of Civil Engineering  
Tula's Institute, Dehradun

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### EVENT'S PHOTOGRAPHS



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8VVP+5JM, Mehreka Gaun, Uttarakhand  
248007, India  
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Day 1: Picture taken during inauguration ceremony being held in presence of students & faculty members.

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Day 2: Picture taken while students were being taught

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This is to certify that

Mr. / Ms. AKEL SUMI

of

TULAS INSTITUTE, DEHRADUN

has successfully completed a 1 Week Add on Certificate on

Google Sketch-Up

from 20th June'23 to 24th June'23

On behalf of RCPL INDIA

Director

Certification ID: RCPI-2023/0149  
Date: 24th June'23



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### Mission:

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# **Certificate Programme On Agripreneurship**



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Date: 26/01/2023

## Notice

This is kind information to mentioned faculty that you will coordinate the **add on certificate course**. Kindly circulate the information to concern students for maximum participation.

### **Coordinator List:**

S.N.	Course/Year	Course Coordinators	Course Duration	Remark
1.	B.Sc. (Ag) Ist Year	Dr. Rupinder Kaur	28 Jan- 04 Feb/2023	
2.	B.Sc. (Ag) IInd Year	Mr. Anikesh Sharma	28 Jan- 04 Feb/2023	
3.	B.Sc. (Ag) IIIrd Year	Dr. Manish Chauhan	28 Jan- 04 Feb/2023	
4.	B.Sc. (Ag) IVth Year	Ms. Bhawana Gahtori	28 Jan- 04 Feb/2023	

**Note:** No leave will be permeable during the course duration.

Dr. Anita Chauhan

**Head**  
**Dept. of Agriculture**

Director  
 Tula's Institute, Dehradun

Ref No: Tula's Agri/HoD/04/23

Date: 30/01/2023

## Notice

It is informed to all students that schedule of Exposure Visit/ Hands on Training of add on certificate course is mentioned below. Kindly ensure the maximum participation.

### Add on Certificate Course Exposure Visit/ Hands on Training Schedule

S.N.	Date	Course/ Class	Time	Venue
1	31.1.23	B.Sc. Ag I <sup>st</sup> Year	10.00AM- 1.00PM- 1 <sup>ST</sup> BATCH 02.00PM- 4.00PM- 2 <sup>ND</sup> BATCH	TRC FARM Dholkoot
2	1.2.23	B.Sc. Ag III <sup>rd</sup> Year	10.00AM- 2.00PM	Horticulture Board, ISBT
3	2.2.23	B.Sc. Ag IV <sup>th</sup> Year	10.00AM- 2.00PM	TRC FARM Dholkoot
4	3.2.23	B.Sc. Ag IV <sup>th</sup> Year	10.00AM- 2.00PM	UCOST, Jhajra

**Program Coordinator**  
 Mr. Ashish Upadhyay  
 Dept. of Agriculture

**Head**  
 Dr. Anita Chauhan  
 Dept. of Agriculture

**Director**  
 Tula's Institute, Dehradun

#### Copy to:

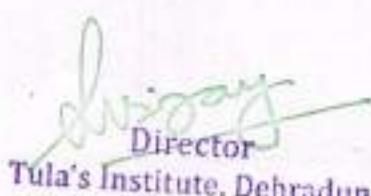
1. Dean, Agriculture
2. Registrar
3. Add on course coordinators

**4. Capacity Building Certificate programme on Agri startups and use of E- Commerce, Digital platforms and marketing**

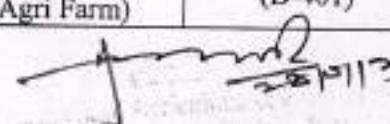
This will benefits in introduction to Motivation, Introduction, On boarding process, Social Media platform and business, Packaging skills, use of digital financial platform

**TRAINING CALENDAR**

Date	Course	Time	
28.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Auditorium)	
	Food Processing& Preservation	10:00am to 12:30pm (Auditorium)	
	Organic Production &Composting Technology	10:00am to 12:30pm (Auditorium)	
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Auditorium)	
30.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
31.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (D-401)
01.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
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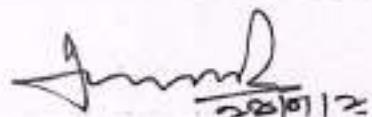


Director  
Tula's Institute, Dehradun



28/01/23

02.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)
03.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)
04.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)



20/01/22



Director  
Tula's Institute, Dehradun

## Syllabus

### 1) Agripreneurship [development program]

#### **Introduction & Objective**

1. To compile information relating to Agripreneurship with a specific focus on India.
2. To assess the awareness level regarding the agripreneurial activities that they can undertake.
3. To understand the extent of readiness of the youth for attempting to become agripreneurs in their given situations.
4. To identify the issues and challenges hindering the agripreneurs to emerge in India.
5. To discuss the phenomena and scope of agribusiness scenario in the Indian context.

To discuss the various correlation, as a strategic precursor for agribusiness development.

### 2) Food Processing & Preservation : Introduction; Definition; Objective; Types and Methods; Principle; Importance; Technique & Processing, Benefits, Conclusion

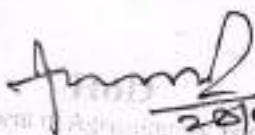
### 3) Organic Production & Composting Technology

Organic Production & Composting Technology: Concept of Organic farming, certification procedure of organic farm, organic standards, procedure of inspection and certification, Concept of Marketing and Indian Organic Market, Economics of Organic Farming and Government Schemes to support Organic Farming. Chemical fertilizer vs. organic fertilizer. Concept of Vermicomposting techniques, vermicomposting methods and management in farm. Vermiculture; types of earth worm. Introduction to Biopesticides and biofertilizers. Concept of Biodynamic composts making.

### 4) Agri startups and use of E- Commerce, Digital platforms and marketing

**Introduction & Objective:** Introduction to Motivation, Introduction, on boarding process, Social Media platform and business, Packaging skills, use of digital financial platform

*Thankyou!*



20/01/23



Director  
Tula's Institute, Dehradun

## Department of Agriculture

**Event:** Add on Course B.sc Agriculture 1<sup>st</sup> year (Organic Farming and Vermicomposting)

**Organized by:** Department of Agriculture

**Objective:** In fact, vermicompost can enhance soil fertility physically, chemically and biologically. Physically, vermicompost-treated soil has better aeration, porosity, bulk density and water retention. Chemical properties such as pH, electrical conductivity and organic matter content are also improved for better crop yield.

### Organic farming

The goal of organic farming is to produce food using natural substances. Other objectives include:

- Conserving soil and water
- Reducing pollution
- Using natural pesticides
- Maintaining biodiversity and protecting animal welfare

### Vermicompost

The main objective of vermicomposting is to produce high-quality manure for nutrient-deficient soil. Other objectives include:

- Composting organic waste
- Disposing of solid organic waste
- Turning green organic waste into nutrient-rich soil

**Summary:-** Vermicomposting is a process in which earthworms are used to convert organic materials into humus-like material known as vermicompost. A number of researchers throughout the world have found that the nutrient profile in vermicompost is generally higher than traditional compost.

**Outcome:-** Students will be able to learn:

Vermicompost can be used in organic farming and small scale sustainable farming. Vermicompost has several excellent properties and has many advantages when applied to the soil. Vermicompost is an excellent nutrient-rich organic fertiliser, which helps plants to grow well and give better yields.

#### Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

#### Mission:

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To Inculcate social, environmental, heritage values.

Dhanlok, P.O. Selagai, Chakrata Road  
Dehradun-248011 (U.K. India)



[www.tulas.edu.in](http://www.tulas.edu.in)  
[info@tulas.edu.in](mailto:info@tulas.edu.in)



0135-2699309  
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**Director**  
**Tula's Institute, Dehradun**

Tula's Institute, Dehradun

Ref No: Tula's Agri/HoD/06/23

Date: 04 /02/2023

Add on Certificate Training Program

28.01.2023 to 04.02.2023

Photographs



Director  
Tula's Institute, Dehradun



Director  
Tula's Institute, Dehradun  
Principal  
Tula's Institute, Dehradun  
Principal  
Tula's Institute, Dehradun



Technology Resource Centre TRC (KRCDEPS)  
Jhajra, Uttarakhand



ADD-ON CERTIFICATE AGRICULTURAL TRAINING PROGRAMME  
DEPT. OF AGRICULTURE, TULA'S INSTITUTE, DEHRADUN

# Certificate

This is to certify that

Mr./Ms .... RUPESH KUMAR ..... S/o/D/o .... MR. SITARAM MAHATO .....

Has Successfully Completed Add-on Certificate Agricultural Training Programme

On

"Organic Production & Composting Technology"

Organised at **Tula's Institute, Dehradun**

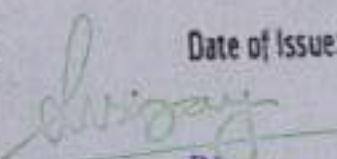
Starting Date of Programme: 28-01-2023

Completion Date of Programme: 04-02-2023

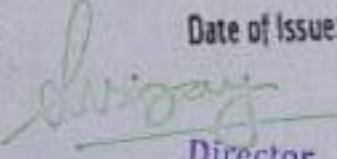


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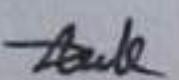
Date of Issue: 04-02-2023

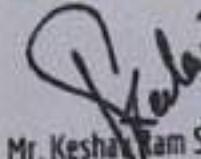
  
Director

Tula's Institute, Dehradun

  
Dr. Aparna Sharma

Sr. Scientific Officer, UCOST

  
Mr. Deepak Kumar  
Programme Co-ordinator, KRCDEPS, Jhajra

  
Mr. Keshav Ram Sharma  
Secretary, KRCDEPS, (TRC) Jhajra

**Certificate  
Programme On  
Food Processing  
& Prevention**



T S

Ref No: Tula's Agri/HoD/02/23

ULA

**NAAC  
GRADE A+**  
ACCREDITED INSTITUTE  
HIGHEST RATING AMONGST  
COLLEGES & UNIVERSITIES  
UTTARAKHAND

**TULA  
DEHRADUN**  
Date: 26/01/2023

## Notice

This is kind information to mentioned faculty that you will coordinate the **add on certificate course**. Kindly circulate the information to concern students for maximum participation.

### **Coordinator List:**

S.N.	Course/Year	Course Coordinators	Course Duration	Remark
1.	B.Sc. (Ag) I <sup>st</sup> Year	Dr. Rupinder Kaur	28 Jan- 04 Feb/2023	
2.	B.Sc. (Ag) II <sup>nd</sup> Year	Mr. Anikesh Sharma	28 Jan- 04 Feb/2023	
3.	B.Sc. (Ag) III <sup>rd</sup> Year	Dr. Manish Chauhan	28 Jan- 04 Feb/2023	
4.	B.Sc. (Ag) IV <sup>th</sup> Year	Ms. Bhawana Gahtori	28 Jan- 04 Feb/2023	

**Note:** No leave will be permeable during the course duration.

Dr. Anita Chauhan  
Head  
Dept. of Agriculture

Director  
Tula's Institute, Dehradun

Ref No: Tula's Agri/HoD/04/23

Date: 30/01/2023

## Notice

It is informed to all students that schedule of Exposure Visit/ Hands on Training of add on certificate course is mentioned below. Kindly ensure the maximum participation.

### Add on Certificate Course Exposure Visit/ Hands on Training Schedule

S.N.	Date	Course/ Class	Time	Venue
1	31.1.23	B.Sc. Ag I <sup>st</sup> Year	10.00AM- 1.00PM- 1 <sup>ST</sup> BATCH 02.00PM- 4.00PM- 2 <sup>ND</sup> BATCH	TRC FARM Dholkoot
2	1.2.23	B.Sc. Ag III <sup>rd</sup> Year	10.00AM- 2.00PM	Horticulture Board, ISBT
3	2.2.23	B.Sc. Ag IV <sup>th</sup> Year	10.00AM- 2.00PM	TRC FARM Dholkoot
4	3.2.23	B.Sc. Ag IV <sup>th</sup> Year	10.00AM- 2.00PM	UCOST, Jhajra

**Program Coordinator**  
 Mr. Ashish Upadhyay  
 Dept. of Agriculture

**Head**  
 Dr. Anita Chauhan  
 Dept. of Agriculture

**Copy to:**  
 1. Dean, Agriculture  
 2. Registrar  
 3. Add on course coordinators

**Director**  
 Tula's Institute, Dehradun

# Certificate Training Programme Calendar 2023

## ORGANIZERS



Dept. of Horticulture and Food Processing

Technology Resource Centre (KRCADEPS), Jhajra, Uttarakhand

The Training Certificate Programme would be a seven-days each training programme which will be held through classroom mode. The training programme day-wise breakup is mentioned below:

Name of Add on /Certificate programs offered	Semester/ Year & Student	Year of offering	Duration of course (28.1.23- 4.2.23)	Recommended Agency
Certificate programme on Organic Production & Composting Technology	1 <sup>st</sup> Year (1 <sup>st</sup> Sem) (118)	2022-23	One week	Technology Resorce centre-TRC, JHAJRA/ UCOST, Govt of Uttarakhand
Certificate Programm on Food Processing & Preservation	2 <sup>nd</sup> Year (3 <sup>rd</sup> Sem) (35)	2022-23	One week	Horticulture Dept. Govt. of Uttarakhand
Capacity Building Certificate programme on Agri startups and use of E- Commerce, Digital plateforms and marketing	3 <sup>rd</sup> Year (5 <sup>th</sup> Sem) (45)	2022-23	One week	Technology Resource centre-TRC, Jhajra/ UCOST, Govt of Uttarakhand
Certificate Programm on Agripreneurship [development program]	4 <sup>th</sup> Year [7 <sup>th</sup> Sem] (97)	2022-23	One week	Technology Resource centre-TRC, Jhajra/ UCOST, Govt of Uttarakhand

### **1. Agripreneurship development program**

The overall objectives of Agripreneurship development program are mainly to help in the rapid growth of the economy by supplying skilled agri-entrepreneurs in the society. This programme primarily aims at providing self-employment to the young generation. Stimulatory Role: It aims at influencing people in large number to be the entrepreneur.

### **2. Food Processing & Preservation**

The primary objective of food preservation is to provide general knowledge and experience in the field of food processing. It includes management and processing of value addition of agricultural and horticultural produce.

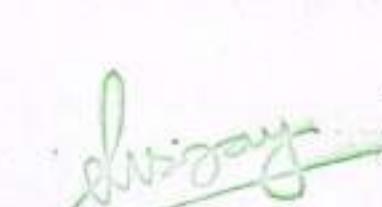
### **3. Organic Production & Composting Technology**

#### **Introduction/ Scope of Organic Farming and Vermicomposting**

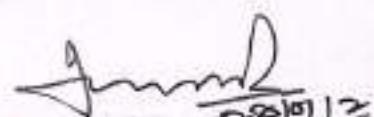
- Concept of Organic farming, certification procedure of organic farm, organic standards, procedure of inspection and certification, Concept of Marketing and Indian Organic Market, Economics of Organic Farming and Government Schemes to support Organic Farming. Chemical fertilizer vs. organic fertilizer.
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Director  
Tula's Institute, Dehradun  
28/01/23

02.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
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Director  
Tula's Institute, Dehradun



20/01/23

Syllabus:

**1) Agripreneurship [development program]**

**Introduction & Objective**

1. To compile information relating to Agripreneurship with a specific focus on India.
2. To assess the awareness level regarding the agripreneurial activities that they can undertake.
3. To understand the extent of readiness of the youth for attempting to become agripreneurs in their given situations.
4. To identify the issues and challenges hindering the agripreneurs to emerge in India.
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Organic Production & Composting Technology: Concept of Organic farming, certification procedure of organic farm, organic standards, procedure of inspection and certification, Concept of Marketing and Indian Organic Market, Economics of Organic Farming and Government Schemes to support Organic Farming. Chemical fertilizer vs. organic fertilizer. Concept of Vermicomposting techniques, vermicomposting methods and management in farm. Vermiculture; types of earth worm. Introduction to Biopesticides and biofertilizers. Concept of Biodynamic composts making.

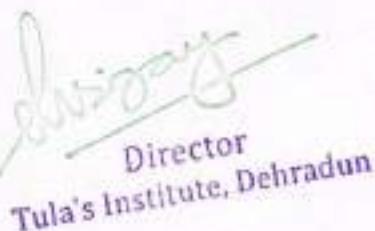
**4) Agri startups and use of E- Commerce, Digital platforms and marketing**

**Introduction & Objective:** Introduction to Motivation, Introduction, on boarding process, Social Media platform and business, Packaging skills, use of digital financial platform

*Thankyou!*



20/01/23



Director  
Tula's Institute, Dehradun

## Department of Agriculture

**Event:** Add on Course B sc Agriculture 2<sup>nd</sup> year (Food Processing and Preservation Techniques)

**Organized by:** Department of Agriculture

**Objective:** Food processing reduces the number of harmful bacteria in food that can cause diseases.

For eg., drying, pickling dehydrates the food product and alters the pH that prevents the growth of harmful microorganisms. It also improves the shelf-life of food products.

Food processing

- Improve food safety
- Extend shelf life
- Improve nutritional value
- Enhance palatability

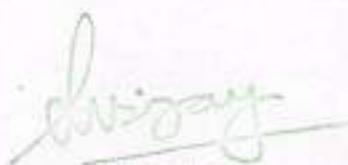
Food preservation

- Prevent contamination of food from damaging agents
- Delay or prevent the growth of microorganisms in the food
- Delay enzymic spoilage
- Maintain safe and nutritious food for an extended period of time

**Summary:-** Commonly used food preservation methods are refrigeration, canning, irradiation, drying, salting, smoking, and fermentation, which help improve the shelf stability of foods such as fruits, vegetables products.

**Outcome:-** Students will be able to learn:

Food processing transforms raw ingredients into food or other intermediate products, and preservation is the process of handling and treating food to control its spoilage by stopping the attack and growth of foodborne diseases causing microbes, avoiding oxidation of fats (rancidity), and maintaining the nutritional.



Director

Tula's Institute, Dehradun

**Vision**

- To emerge as an academic centre producing world class professionals promoting innovation and research.

**Mission:**

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To Inculcate social, environmental, heritage values.



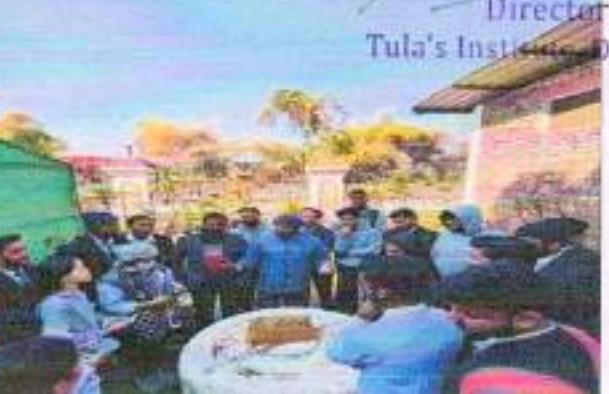
Dhaulkot, P.D. Selaqui, Chakrata Road  
Dehradun-248011 (U.K. India)

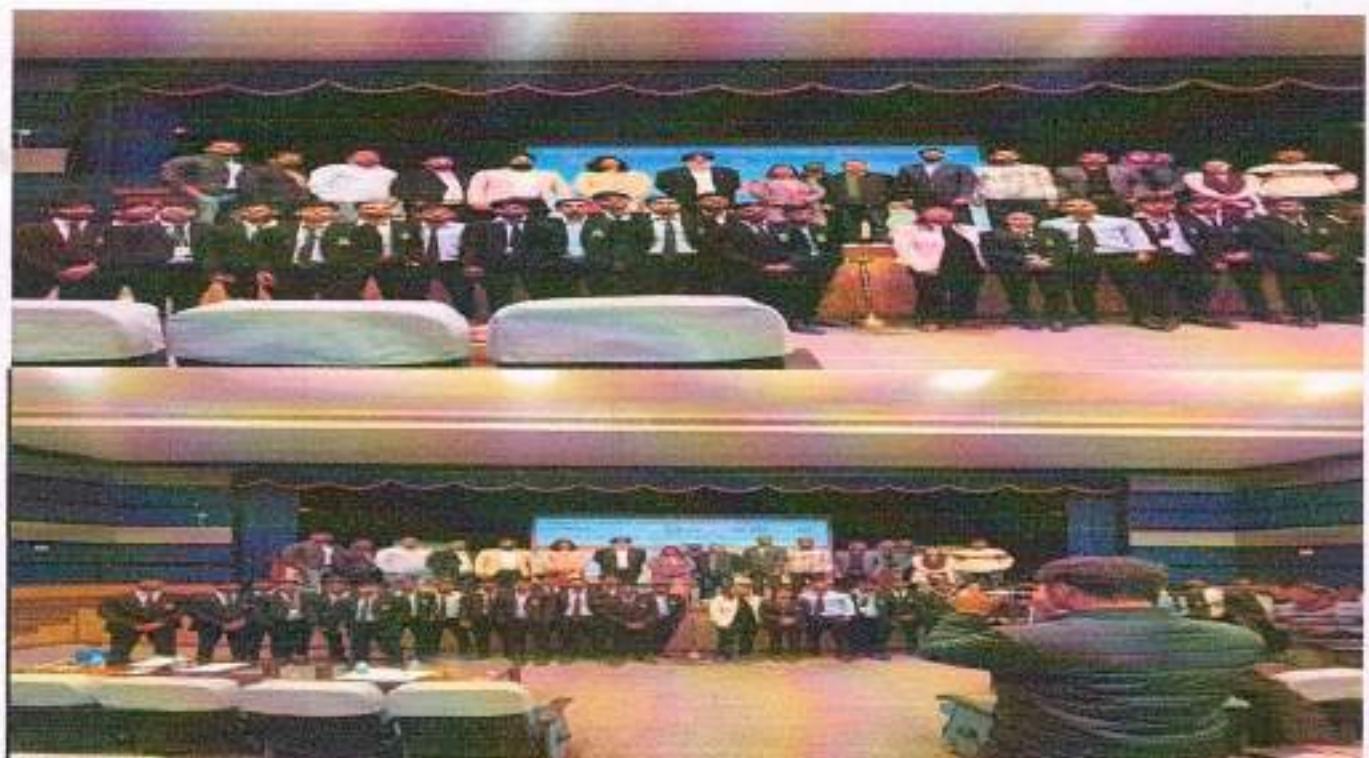


www.tulas.edu.in  
info@tulas.edu.in



0135-2699300  
0135-2699309







TECHNOLOGY RESOURCE CENTRE - TRC (KRCADEPS)  
(Recognised by UCOST, Vigyan Dham, Govt. of Uttarakhand)

## ADD-ON CERTIFICATE AGRICULTURE PRACTICE

DEPT. OF AGRICULTURE, TULA'S INSTITUTE, DEHRADUN

### Certificate

This is to certify that

Mr. /Ms. .... Anubhav Kumar ..... S/o/U/o/W/o .. Karanveer Kumar .....

Has Successfully completed Add-on Certificate Agricultural Course On

"SMART AGRICULTURE VS SMART AGRI. YOUTH"

Organised at Tula's Institute, Dehradun

Starting Date of Programme: ..... 05.06.2023  
Completion Date of Programme: 10.06.2023



C. Sl. No. .... TRC/KRC-23/ADD-II/SA- 20  
Date of Issue: 10.06.2023

Director  
Tula's Institute, Dehradun

Mr. Chintamani Paudel  
Programme Co-ordinator KRCADEPS

Mr. Keshav Ram Sharma  
Secretary, KRCADEPS, Dehradun

Public Relation Manager UCOST, Vigyan Dham

Amit Pokhriyal

**Capacity Building  
Certificate  
Programme On  
Agri Startups And  
Use Of E-  
Commerce,Digital  
Platforms And  
Marketing**



T S

Ref No: Tula's Agri/HoD/02/23

ULA

**NAAC GRADE A+**  
ACCREDITED INSTITUTE  
HIGHEST RATING AMONGST  
COLLEGES & UNIVERSITIES  
UTTARAKHAND

**TULA DEHRADUN**

Date: 26/01/2023

## Notice

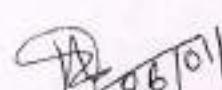
This is kind information to mentioned faculty that you will coordinate the **add on certificate course**. Kindly circulate the information to concern students for maximum participation.

### **Coordinator List:**

S.N.	Course/Year	Course Coordinators	Course Duration	Remark
1.	B.Sc. (Ag) I <sup>st</sup> Year	Dr. Rupinder Kaur	28 Jan- 04 Feb/2023	
2.	B.Sc. (Ag) II <sup>nd</sup> Year	Mr. Anikesh Sharma	28 Jan- 04 Feb/2023	
3.	B.Sc. (Ag) III <sup>rd</sup> Year	Dr. Manish Chauhan	28 Jan- 04 Feb/2023	
4.	B.Sc. (Ag) IV <sup>th</sup> Year	Ms. Bhawana Gahtori	28 Jan- 04 Feb/2023	

**Note:** No leave will be permeable during the course duration.

  
**Director**  
Tula's Institute, Dehradun

 2023  
**Dr. Anita Chauhan**

**Head**  
**Dept. of Agriculture**

# Certificate Training Programme Calendar 2023

## ORGANIZERS



Dept. of Horticulture and Food Processing

Technology Resource Centre (KRCADEPS), Jhajra, Uttarakhand

The Training Certificate Programme would be a seven-days each training programme which will be held through classroom mode. The training programme day-wise breakup is mentioned below:

Name of Add on /Certificate programs offered	Semester/ Year & Student	Year of offering	Duration of course (28.1.23- 4.2.23)	Recommended Agency
Certificate programme on Organic Production & Composting Technology	1 <sup>st</sup> Year (1 <sup>st</sup> Sem) (118)	2022-23	One week	Technology Resource centre-TRC, JHAJRA/ UCOST, Govt of Uttarakhand
Certificate Program on Food Processing & Preservation	2 <sup>nd</sup> Year (3 <sup>rd</sup> Sem) (35)	2022-23	One week	Horticulture Dept. Govt. of Uttarakhand
Capacity Building Certificate programme on Agri startups and use of E- Commerce, Digital platforms and marketing	3 <sup>rd</sup> Year (5 <sup>th</sup> Sem) (45)	2022-23	One week	Technology Resource centre-TRC, Jhajra/ UCOST, Govt of Uttarakhand
Certificate Program on Agripreneurship [development program]	4 <sup>th</sup> Year [7 <sup>th</sup> Sem] (97)	2022-23	One week	Technology Resource centre-TRC, Jhajra/ UCOST, Govt of Uttarakhand

### 1. Agripreneurship development program

The overall objectives of Agripreneurship development program are mainly to help in the rapid growth of the economy by supplying skilled agri-entrepreneurs in the society. This programme primarily aims at providing self-employment to the young generation. Stimulatory Role: It aims at influencing people in large number to be the entrepreneur.

### 2. Food Processing & Preservation

The primary objective of food preservation is to provide general knowledge and experience in the field of food processing. It includes management and processing of value addition of agricultural and horticultural produce.

### 3. Organic Production & Composting Technology

#### **Introduction/ Scope of Organic Farming and Vermicomposting**

- Concept of Organic farming, certification procedure of organic farm, organic standards, procedure of inspection and certification, Concept of Marketing and Indian Organic Market, Economics of Organic Farming and Government Schemes to support Organic Farming. Chemical fertilizer vs. organic fertilizer.
- Concept of Vermicomposting techniques, vermicomposting methods and management in farm. Vermiculture, types of earth worm. Introduction to Biopesticides and biofertilizers. Concept of Biodynamic composts making.

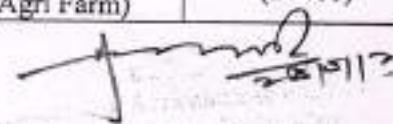
**4. Capacity Building Certificate programme on Agri startups and use of E- Commerce, Digital platforms and marketing**

This will benefits in introduction to Motivation, Introduction, On boarding process, Social Media platform and business, Packaging skills, use of digital financial platform

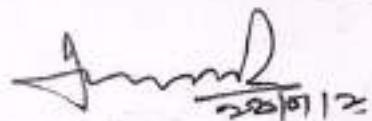
**TRAINING CALENDAR**

Date	Course	Time	
28.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Auditorium)	
	Food Processing& Preservation	10:00am to 12:30pm (Auditorium)	
	Organic Production &Composting Technology	10:00am to 12:30pm (Auditorium)	
	Agri startups and use of E- Commerce, Digital plateforms and marketing	10:00am to 12:30pm (Auditorium)	
30.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hal)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
	Agri startups and use of E- Commerce, Digital plateforms and marketing	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
31.01.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hal)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
	Agri startups and use of E- Commerce, Digital plateforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (D-401)
01.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (Conference Hal)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00p (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00p (Agri Farm)
	Agri startups and use of E- Commerce, Digital plateforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00p (D-401)

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02.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)
03.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)
04.02.2023	Agripreneurship[development program]	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (Conference Hall)
	Food Processing& Preservation	10:00am to 12:30pm (D-401)	2:30pm to 4:00pm (Agri Farm)
	Organic Production &Composting Technology	10:00am to 12:30pm (Conference Hall)	2:30pm to 4:00pm (Agri Farm)
	Agri startups and use of E- Commerce, Digital platforms and marketing	10:00am to 12:30pm (Agri Farm)	2:30pm to 4:00pm (D-401)



22/01/22

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## Syllabus:

### 1) Agripreneurship [development program]

#### **Introduction & Objective**

1. To compile information relating to Agripreneurship with a specific focus on India.
2. To assess the awareness level regarding the agripreneurial activities that they can undertake.
3. To understand the extent of readiness of the youth for attempting to become agripreneurs in their given situations.
4. To identify the issues and challenges hindering the agripreneurs to emerge in India.
5. To discuss the phenomena and scope of agribusiness scenario in the Indian context.

To discuss the various correlation, as a strategic precursor for agribusiness development.

### 2) Food Processing & Preservation : Introduction; Definition; Objective; Types and Methods; Principle; Importance; Technique & Processing, Benefits, Conclusion

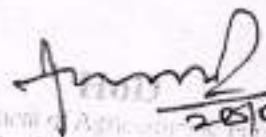
### 3) Organic Production & Composting Technology

Organic Production & Composting Technology: Concept of Organic farming, certification procedure of organic farm, organic standards, procedure of inspection and certification, Concept of Marketing and Indian Organic Market, Economics of Organic Farming and Government Schemes to support Organic Farming. Chemical fertilizer vs. organic fertilizer. Concept of Vermicomposting techniques, vermicomposting methods and management in farm. Vermiculture; types of earth worm. Introduction to Biopesticides and biofertilizers. Concept of Biodynamic composts making.

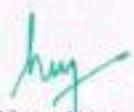
### 4) Agri startups and use of E- Commerce, Digital platforms and marketing

**Introduction & Objective:** Introduction to Motivation, Introduction, on boarding process, Social Media platform and business, Packaging skills, use of digital financial platform

*Thankyou!*



20/01/23



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## Department of Agriculture

**Event:** Add on Course B.sc Agriculture 4<sup>th</sup> year (Agripreneurship development programm.)

**Organized by:** Department of Agriculture

**Objective:** Mushroom cultivation can be a labour intensive activity. Therefore, it will serve as means of generating employment, particularly for rural women and youths in order to raise their social status. It will also provide additional work for the farmers during winter months when the farming schedule is light. **Some practical activities for mushroom cultivation include:**

- Filling up compost
- Spawning
- Preparing casing material and applying it
- Maintaining temperature, humidity, and aeration
- Harvesting the produce
- Preparing mother spawn
- Multiplying spawn for commercial use

**Summary:-**

Mushroom cultivation require 80-90% relative humidity and temperature range of 16° C - 23° C [13]. The cultivation starts with compost preparation followed by spawning, casing, harvesting and processing. Mushroom being fragile and perishable commodity requires processing after harvesting.

**Outcome:-** Students will be able to learn:

- Food: Mushrooms are a nutritious, fast-yielding food source. They contain up to 30% protein by dry weight and less fat and carbohydrates.
- Income: The harvested fruiting bodies can be sold in local markets or exported for foreign exchange.
- Employment: Mushroom cultivation can help solve unemployment problems.
- Waste recycling: Mushroom production can convert lignocellulosic waste materials into a variety of products, including edible and medicinal food, feed, and fertilizers. It can also manage farm organic wastes by using agricultural and food processing by-products as growing media.

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- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To Inculcate social, environmental heritage values



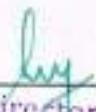
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Tula's Institute Dehradun



*lily*  
Director  
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Technology Resource Centre TRC (KRCDEPS)  
Disha Bhushan



Tula's  
INSTITUTE  
DEHRADUN



ADD-ON CERTIFICATE AGRICULTURAL TRAINING PROGRAMME  
DEPT. OF AGRICULTURE, TULA'S INSTITUTE, DEHRADUN

# Certificate

This is to certify that

Mr./Ms. *Deependra Kumar*..... S/o/D/o .....

Has Successfully Completed Add-on Certificate Agricultural Training Programme  
Organised at Tula's Institute, Dehradun

"Agri-startups and Use Of E-commerce, Digital Platforms & Marketing"

Starting Date of Programme: 28-01-2023

Completion Date of Programme: 04-02-2023

Director  
Tula's Institute, Dehradun

C.S.I: TRC/KRC-23/AOO-II/DM-

Date of Issue: 04-02-2023

*Kumar*  
Mr. Kamal Kant Sharma  
CEO, Farmerpreneur

*Pawar*  
Mr. Balwant Singh Pawar  
Programme Co-ordinator, KRCDEPS, Jhajjar

*Sharma*  
Mr. Keshav Ram Sharma  
Secretary, KRCDEPS, (TRC) Jhajjar

*Sharma*  
Dr. Apama Sharma  
Sr. Scientific Officer, UCOST

**Short Term  
Course On  
Video Editing &  
Production By  
Liberal Arts  
Production**

## DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

Date- 28/01/2023

### OBJECTIVE:

1. The objective of this Add-on Certificate course is to teach students about the fundamentals of Video Editing & Production in the field of Journalism and Mass Communication.
2. To understand dynamic trends in the Production field.

### SUMMARY

The Department of Journalism and Mass Communication (Tula's Institute) in association with Liberal Arts Production conducted a Seven Days add-on certificate course (28th January to 4th February 2023) on "Video Editing and Production. The inaugural session started with a welcome speech from the Head of the Department, Prof. (Dr.) R.C. Pathak, followed by a felicitation of the guests by Prof. (Dr.) Ranit Kishore (Dean, Management and Agriculture). The faculty coordinators for the session were Dr. Ankit Ghildiyal, Mr. Tauseef Iqbal and Mr. Neeraj Kotiyal. Experts for the session were Mr. Lakshay Khanduri (Founder, Liberal Arts Production), Mr. Vivek Maheshwari (Producer) and Mr. Sanyam Arora (Assistant Film Maker). They informed students about their production house and how they started their journey. Students were excited to be a part of this certification course where they learned about the fundamentals of video editing & production to enhance their creativity and skills. The final day of the session started with the screening of video projects made by students and they shared what they learned, the challenges they faced and how they resolved it. All students were delighted as their hard work and dedication paid off and they got applauded for their efforts. Then the entire guests were felicitated with memento. Followed by Valedictory speech from Prof. (Dr.) R.C. Pathak (Head of the Department) where he motivated students.

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#### Mission:

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- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

  
**Director**  
**Tula's Institute, Dehradun**

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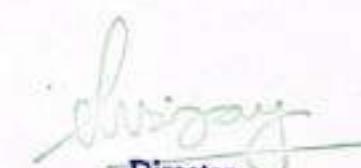
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to be positive and always work hard to achieve their goals. Students were happy as they benefited from this Add-on Certificate course and they learned about (Pre- Production, Production, Post Production) and fundamental techniques of Video Editing.

### **OUTCOMES OF THE 7 DAYS ADD-ON CERTIFICATE COURSE**

Students learned about the various techniques of Video Editing. They learned about Pre-Production (Script Writing), Production (Camera Handling / Framing / Shooting Film) & they also learned Post- Production (Editing Video Projects) in a short period of time. Students learned about new software as per the latest industry standard. Students achieved following skills from course:

1. Students were able to know about the recent developments in the field of production,
2. Students developed enhanced creative thinking Skills.
3. Students understood working of Video Editing Software.
4. Students learned the art of Camera Handling and Video Shooting.
5. Student learned about creative Script Writing skills for the Projects.
6. Students understood the value of team Work.
7. Students produced a promotional video in a week for Tula's Institute.



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### SHORT TERM COURSE ON "VIDEO PRODUCTION & EDITING"

#### PHOTOGRAPHS



Day 1 EMPC LAB PHOTOGRAPH (INAUGURAL SESSION)



DAY 2 EMPC LAB PHOTOGRAPH

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**DAY 5 EMPC LAB PHOTOGRAPH**



**DAY 6 EMPC LAB PHOTOGRAPH**

*Swigyan*

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DAY 7 EMPC LAB VALEDICTORY SESSION PHOTOGRAPH



DAY 7 GROUP PHOTOGRAPH

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**GRADE**  
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HIGHEST RATING AMONGST  
COLLEGES & UNIVERSITIES IN  
UTTARAKHAND

**TULAS'**  
DEHRADUN  
INSTITUTE



# CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

*Sunitha*

of the Department of Journalism and Mass Communication  
has Successfully Completed the Add-on-Certificate Course  
on *Video Editing & Production* between 28.01.2023 - 04.02.2023

We wish her every success in her career.

*LK*  
4th February

*Lakshya Khanduri*  
Lakshya Khanduri  
Director & Producer

*Vivek Maheshwari*  
Vivek Maheshwari  
Producer &  
Director of Photography  
Tula's Institute, Dehradun

*Jyoti*  
Jyoti  
Director  
Tula's Institute, Dehradun

**Short Term  
Course On  
Digital Film  
Making By  
Imagine Films**

## EVENT POSTER



IMAGINE FILMS

**DEPARTMENT OF  
JOURNALISM & MASS COMMUNICATION  
IN COLLABORATION WITH IMAGINE FILMS  
IS ORGANIZING  
ADD-ON CERTIFICATE COURSE  
ON**

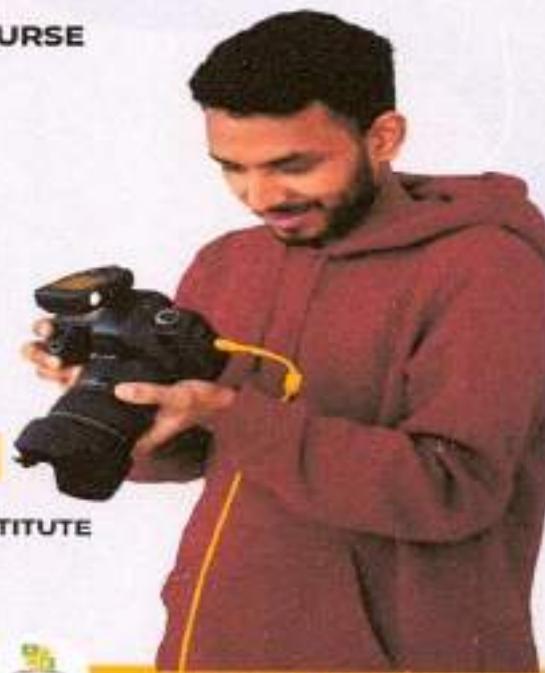
### THEME

# DIGITAL FILM MAKING

**5TH - 10TH JUNE, 2023**

Time: 10:00 AM ONWARDS

Venue: EMPC LAB, TULA'S INSTITUTE



Call to find out more  
**91-6366937159**



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Event Creative for 6 Days Add-On Certificate Course

Director

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## DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

### Six Days add-on certificate course on Digital Film Making

Date- 12/06/2023/DJMC/Tula's Institute

#### **Objective:**

- 1- To demonstrate proper use of the digital film equipment and the terminology.
- 2- To create and use pre-production documents such as storyboards, shooting scripts, proposals, instructional design scripts, shot lists, editing scripts, text lists, lighting design documents, wardrobe lists and location diagrams.
- 3- To demonstrate proper use of industry terminology in all production materials, activities and critiques.
- 4- To write, direct, produce and broadcast a quality digital cinematography product.
- 5- To demonstrate industry level ability and familiarity in Digital Film Technology by categorizing digital film in a variety of genres (Commercial, documentary, Short Films and Instructional videos)

#### **Summary:**

The Department of Journalism and Mass Communication (Tula's Institute) in collaboration with "Imagine Films" conducted a Six Days Add-on Certificate course (05<sup>th</sup> June to 10<sup>th</sup> June 2023) on "**Digital Filmmaking**". The inaugural session started with a welcome speech from the Head of the Department, Prof. (Dr.) R. C. Pathak, followed by a felicitation of the guests by Prof. (Dr.) Sandip Vijay (Director) and Dr. Ranit Kishore (Dean of Management and Agriculture). The faculty coordinators for the session were Dr. Ankit Ghildiyal, Mr. Tauseef Iqbal, Mrs. Deepika Rawat and Mr. Neeraj Kotiyal.

Experts for the session were Mr. Anil Vohra (Director, Imagine Films), Dr. Jitendra Sinha (Producer, Imagine Films), Mr. Sanjay Gairola (Actor, Bollywood & Imagine Films), and Mrs. Nootan Varun (Anchor, Doordarshan & Imagine Films).

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The entire session was focused on the various aspects of Digital Filmmaking, Script writing, Voice Modulation, Live Practical Exposure on different locations to our students. Mr. Anil Vohra and his team of experts shared their experience with the students about the different stages of digital filmmaking followed by the screening of films to understand the basic filmmaking elements and for better understanding of scene cuts and themes of films. Mr. Sanjay Gairola told students about the different acting skills required in the films. Students were excited to be a part of this certification course where they learnt about the fundamentals of Digital Filmmaking and live practical exposure to enhance their creativity and skills.

Throughout this certification course program students got the privileges to learn about the techniques related to this field. The esteemed guests & team of imagine films motivated and taught the attendees the way to write the film script, components & compositions of a film. The 6 days course was followed by the lessons about different camera angles, Chroma shoot & indoor practical sessions. Students also had an excursion tour to Kalsi, Dehradun for an outdoor shoot experience. The tour was organized to give the students an exposure to the challenges during outdoor film shooting. Review & feedback sessions were also conducted at the end of every 6 days to improvise and understand the problems and solutions of attendees.

The 6th Day valedictory session was organized by the Department of Journalism and Mass Communication. In the valedictory session all certificates were distributed to students by the Director, Imagine Films. Students were very much excited about the skills and live exposure they received from the Department of Journalism and Mass Communication, Tula's Institute.

The final day of the workshop began with a screening of student video projects in which they described what they had learned, the problems they experienced, and how they overcame them. All of the students were overjoyed because their hard work and dedication had paid off, and they were recognized for their efforts. The guests were then presented with mementos. Followed by Valedictory speech from Prof. (Dr.) R.C. Pathak (Head of the Department) where he motivated students to be positive and always work hard to achieve their goals. Students were excited to be a

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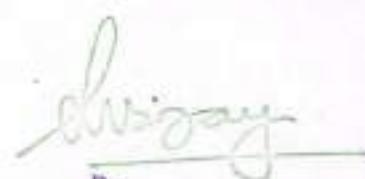
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part of this certification course where they can learn about the fundamentals of digital video production and editing to enhance their creativity and skills.

**Outcomes:** Students learned about the various techniques of Digital Filmmaking. They learned about Pre- Production (Script Writing), Production (Camera Handling / Framing / Shooting Film) & they also learned Post- Production (Editing Video Projects) in a short period of time. Students learned about new software as per the latest industry standard. Students achieved following skills from course:

- 1- Students learned about the various stages of production used in digital film making.
- 2- Students learned about the various acting techniques from the expert required for the different genres of film production.
- 3- Students learned about the various indoor and outdoor shooting techniques and how to edit them with the use of various editing software.



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## ADD-ON CERTIFICATE COURSE ON "DIGITAL FILM MAKING" PHOTOGRAPHS



Day 1 EMPC LAB PHOTOGRAPH (INAUGURAL SESSION)



DAY 2 EMPC LAB PHOTOGRAPH (Live Session of script writing)

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### Mission:

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
- To Inculcate social, environmental, heritage values.

Dhoikot, P.O. Selaqui, Chakrata Road  
 Dehradun-248011 (U.K. India)



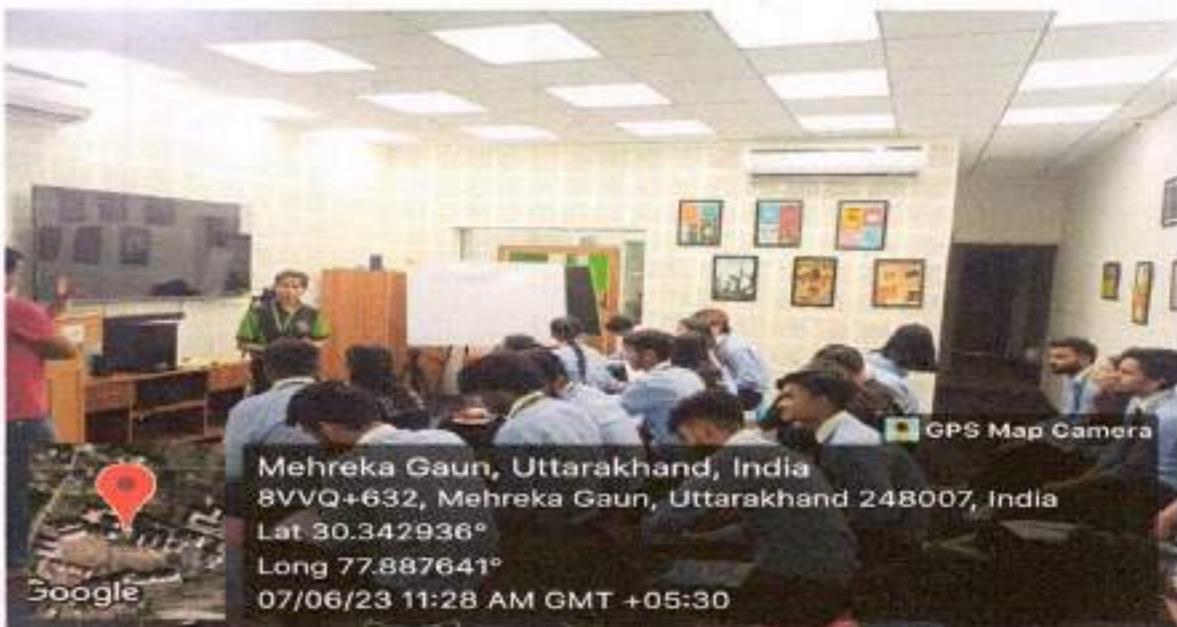
[www.tulas.edu.in](http://www.tulas.edu.in)  
[info@tulas.edu.in](mailto:info@tulas.edu.in)



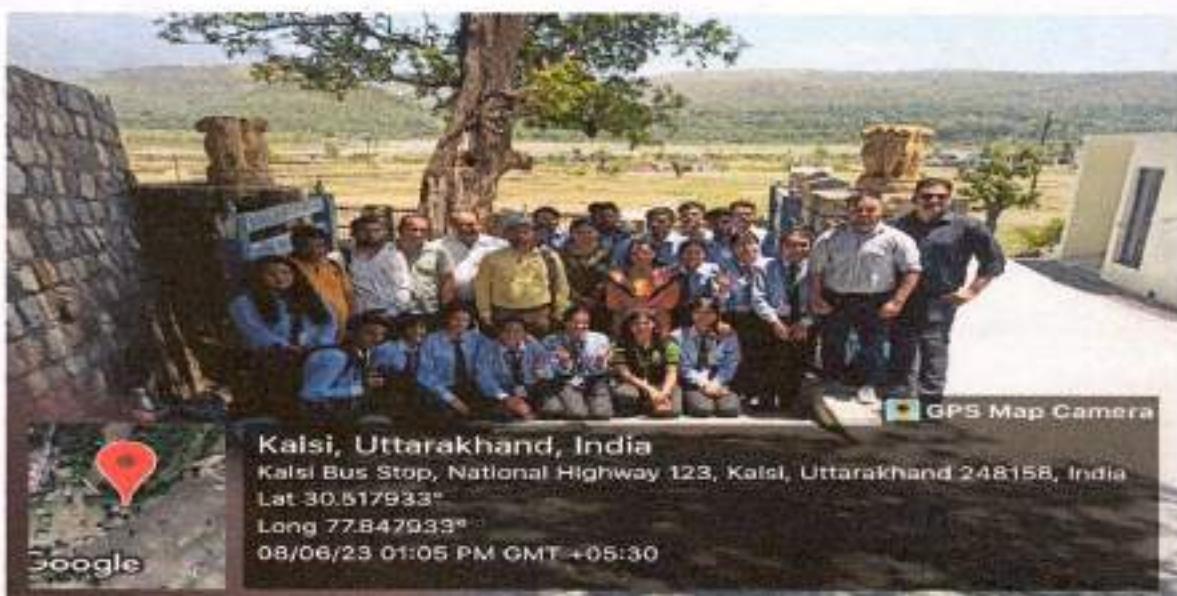
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 0135-2699309



## DAY 3 EMPC LAB PHOTOGRAPH



### DAY 3 EMPC LAB PHOTOGRAPH (Session of Pre Production)



### DAY 4 Field Visit to Kalsi

*000-000*  
**Director**  
**Tula's Institute, Dehradun**

#### Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

#### Mission:

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
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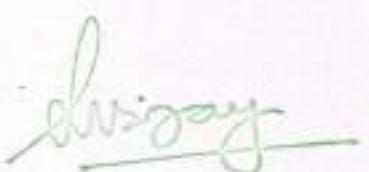
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[info@tulas.edu.in](mailto:info@tulas.edu.in)



0135-2699300  
 0135-2699309



**DAY 6 Group Photograph**

  
Director  
Tula's Institute, Dehradun

**Vision**

- To emerge as an academic centre producing world class professionals promoting innovation and research.

**Mission:**

- To Promote intellectual and skilled human capital generation employment and entrepreneurship.
- To Be educational centre of excellence of multi ethnicity and diversity.
- To Establish as technology driven teaching learning institution.
- To Provide world class platform for research and innovation.
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[info@tolas.edu.in](mailto:info@tolas.edu.in)

 0135-2699300  
0135-2699309

**Short Term  
Course On  
Data Analysis  
On SPSS**

## Graduate School of Business

**Event:** Short Term course on Six Sigma.

**Date:** 05/06/2023- 09/06/2023

**Organized by:** Graduate School of Business

**Objective:** The objective of this course is to teach students the advance and easy usage of data analysis on SPSS software to make them Research oriented and future ready business and research professionals.

Specific educational aims are to:

- Understand and critically apply the concepts and methods of SPSS.
- Identify, model and solve decision problems in different settings
- Interpret results/solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity
- To analyze the data to solve the decision making problems

**Outcomes:** Data Analysis on SPSS bring actionable insights for Research. The main outcomes of the course are:

1. Helps to analyze the data, trends, forecast, plan and arrive at conclusions
2. Helps in effective data management.
3. Create and edit graphical displays of data.
4. Conduct descriptive and basic inferential statistics.
5. Be familiar with SPSS presentation of statistical data

**Summary:-** Graduate School of Business of Tula's Institute organized Add On Certification Programme on SPSS for the students of MBA I and II year from 24.04.2023 to 28.04.2023. The event was carried out by Mr. Upananda Paniat Tula's Institute, Dehradun. Event started with the introduction about SPSS and Statistics with deep understanding about data and software was imparted among the students.



### **Graduate School of Business**

During the tenure of the certification programme the students were imparted hands-on training on the software. The practical leaning was well absorbed by the students and the same was appreciated by them. Mr.Upananda Pani guided the students as how to analyze the data.

This programme was conducted with a motive to develop student's data analytical skill and their understanding about the software pertaining to data.

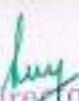
This programme helped the students to develop their knowledge and practical skills as how handle large data and also engraved the skills of betterment in the field of data and business analytics.

  
Director  
Tula's Institute, Dehradun

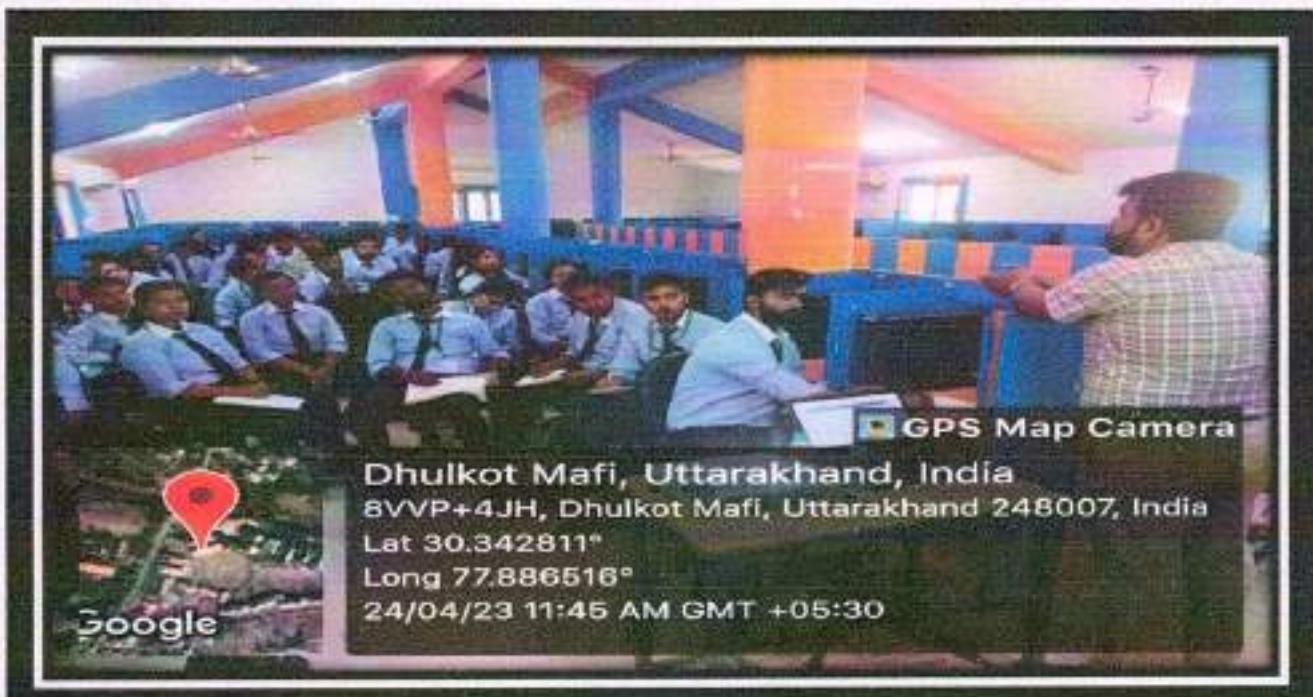
**Graduate School of Business**  
**EVENT PHOTOGRAPHS**



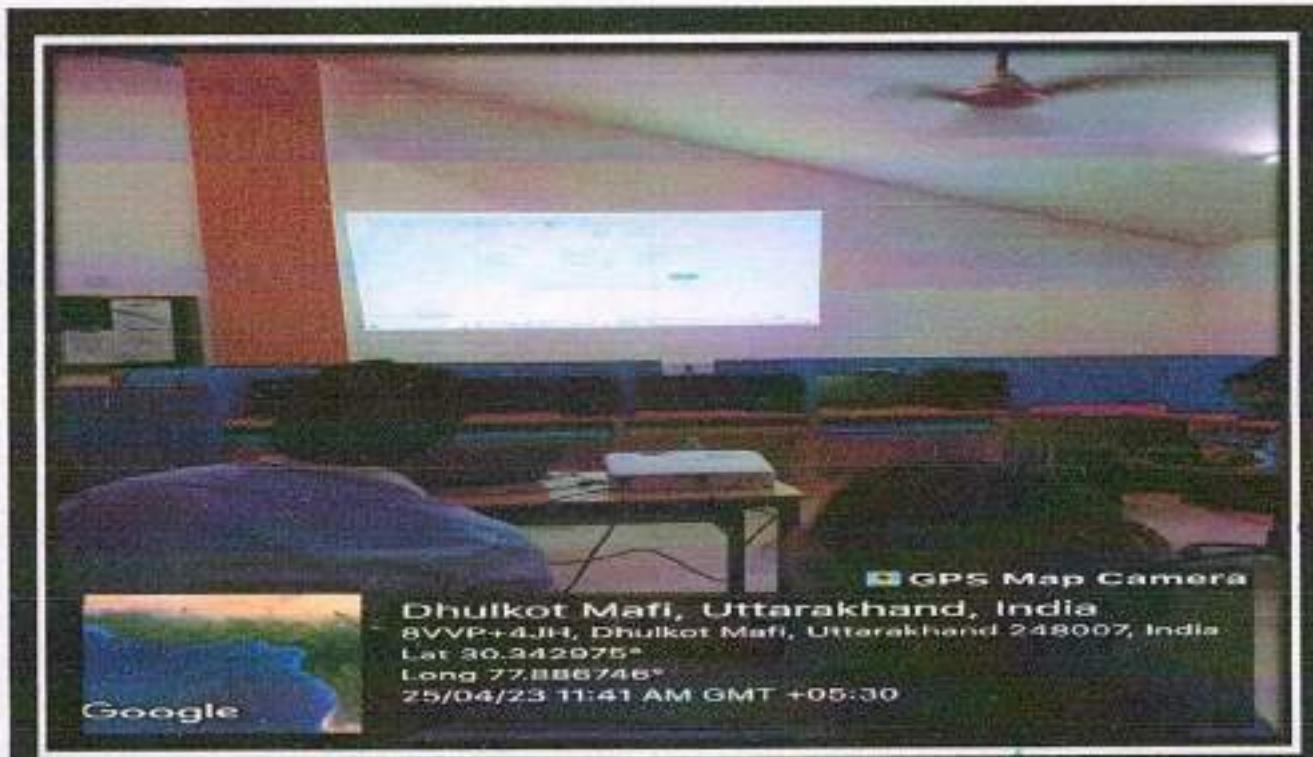
Day1– HOD felicitating the trainer

  
Director  
Tula's Institute, Dehradun

### Graduate School of Business

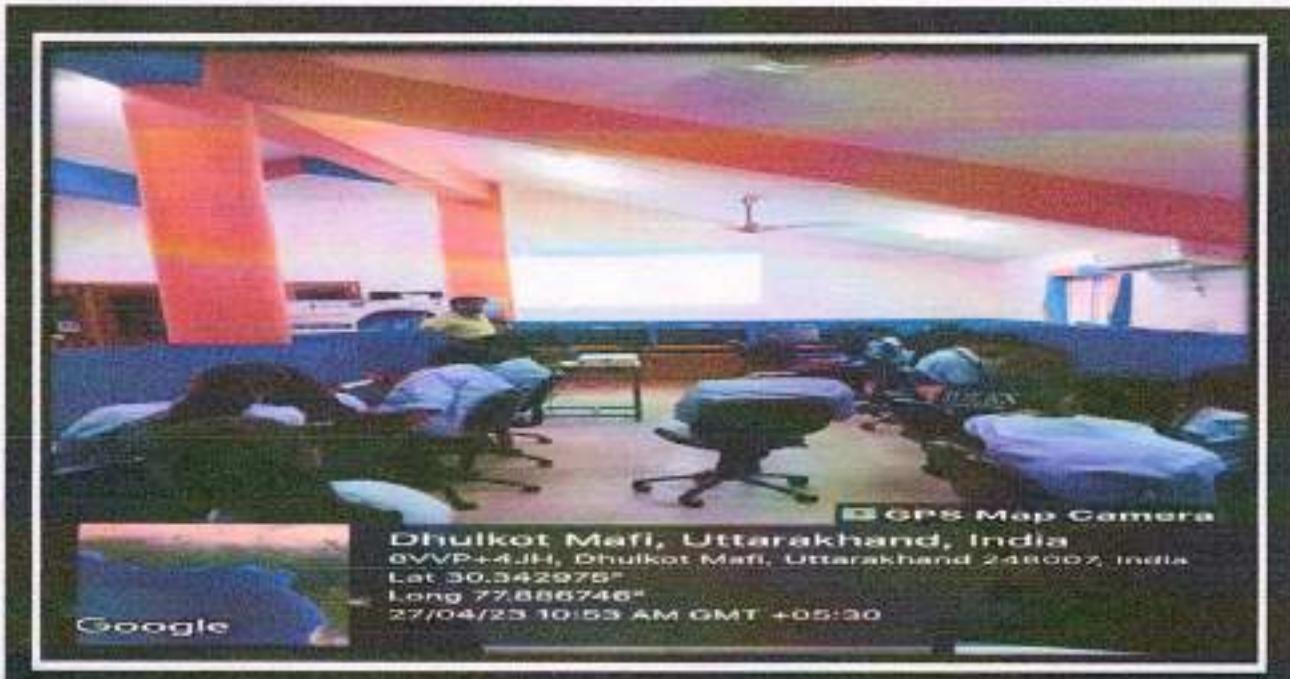


### LAB SESSION



### LAB SESSION

### Graduate School of Business



### LAB SESSION



### GROUP PHOTOGRAPHS

Director  
Tula's Institute, Dehradun

Date of issue : 1 May 2023  
Certificate No : BSPL03090412

*Certificate of*

# Participation



*This Certificate accredits that*

**Babita Negi**

*has successfully completed 30 Hours Training  
on Data Analysis using SPSS*

*From 24<sup>th</sup> May - 28<sup>th</sup> May 2023*



## Our Industry Associations



## Graduate School of Business

**Event:** Short Term course on Data/Business Analytics.

**Date:** 30<sup>th</sup> January to 4<sup>th</sup> February 2023

**Organized by:** Graduate School of Business

**Objective:** The objective of this course is to teach students the advance and easy usage of data and business analytics software to make them industry oriented and future ready business professionals and managers.

Specific educational aims are to:

- Understand and critically apply the concepts and methods of business analytics
- Identify, model and solve decision problems in different settings
- Interpret results/solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity
- Create viable solutions to decision making problems

**Outcomes:** Data/ Business Analytics bring actionable insights for businesses. The main outcomes of the course are:

1. Improve operational efficiency through their daily activities.
2. Assist businesses to understand their customers more precisely.
3. Business uses data visualization to offer projections for future outcomes.
4. These insights help in decision making and planning for the future.
5. Business analytics measures performance and drives growth.
6. Discover hidden trends, generate leads, and scale business in the right direction.

### Learning outcomes for the students:

On successful completion of this program, students will be able to:

- Identify and describe complex business problems in terms of analytical models.
- Apply appropriate analytical methods to find solutions to business problems that achieve stated objectives.

### Graduate School of Business

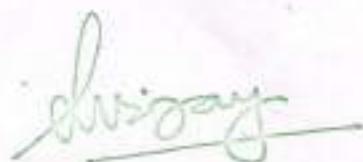
- Translate results of business analytic projects into effective courses of action.
- Demonstrate ethical decision-making in structured or unstructured and ambiguous situations.
- Communicate technical information to both technical and non-technical audiences in speech, in writing, and graphically.
- Exhibit effective collaboration and leadership skills.

**Summary:** Graduate School of Business of Tula's Institute organized Add On Certification Programme on Data/Business Analytics for the students of BBA, B.Com. (H) 2nd Year and 3rd Year from 30.01.2023 to 04.02.2023. The event was carried out by Mr. Rahul Gupta and Mr. Amit Jaiswal at Tula's Institute, Dehradun. Event started with the introduction about Data and Business Analytics and deep understanding about data and business analytics was imparted among the students.

During the tenure of the certification programme the students were imparted hands on training on the software such as Microsoft Tableau and Microsoft Power BI. The practical leaning was well absorbed by the students and the same was appreciated by them. Mr. Rahul Gupta and Mr. Amit Jaiswal guided the students as how to analyse the data.

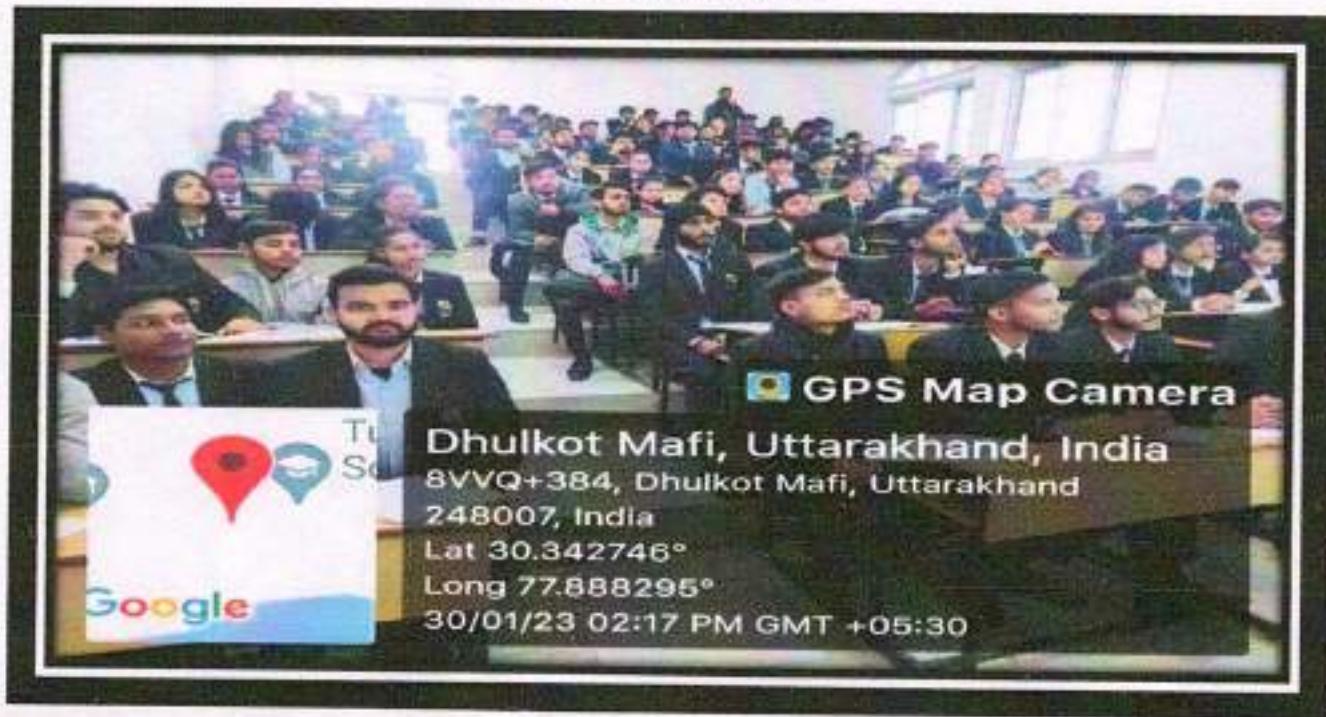
This programme was conducted with a motive to develop student's data analytical skill and their understanding about the softwares pertaining to data and business analytics. Not only limited to this, the practical utility of Power BI and Microsoft Tableau and live chart analysis and awareness About handling large amount of data was inculcated among them.

This programme helped the students to develop their knowledge and practical skills as how handle large data and also engraved the skills of betterment in the field of data and business analytics.

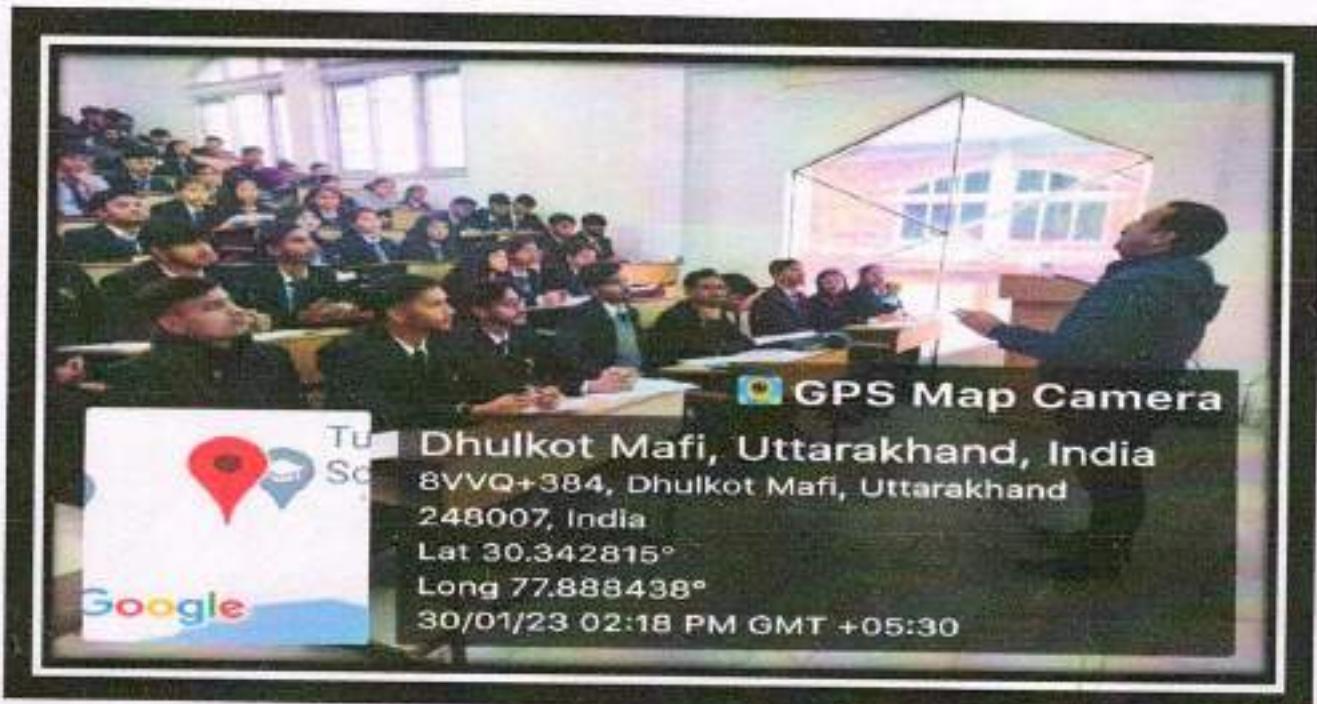


Director  
Tula's Institute, Dehradun

**Graduate School of Business**  
**EVENT PHOTOGRAPHS**



**THEORY SESSION**

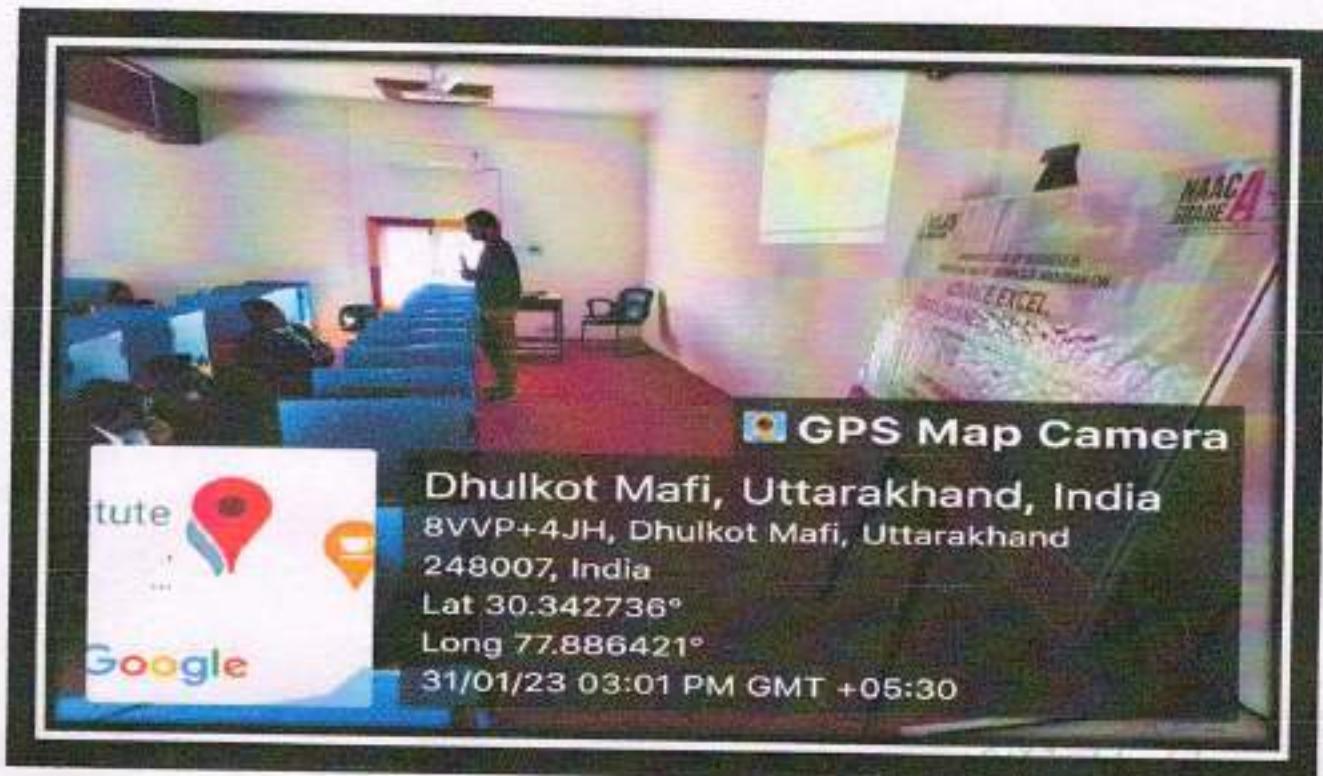


**STUDENTS ACTIVELY PARTICIPATING IN THE EVENT**

**Graduate School of Business**



**STUDENTS TRYING HANDS ON EXPERIENCE ON MICROSOFT EXCEL**



**DAY 2- TRAINER EXPLAINING THE CONCEPTS OF EXCEL**

Director

Tula's Institute, Dehradun

**Graduate School of Business**



Students gaining practical knowledge of advance MS Excel.

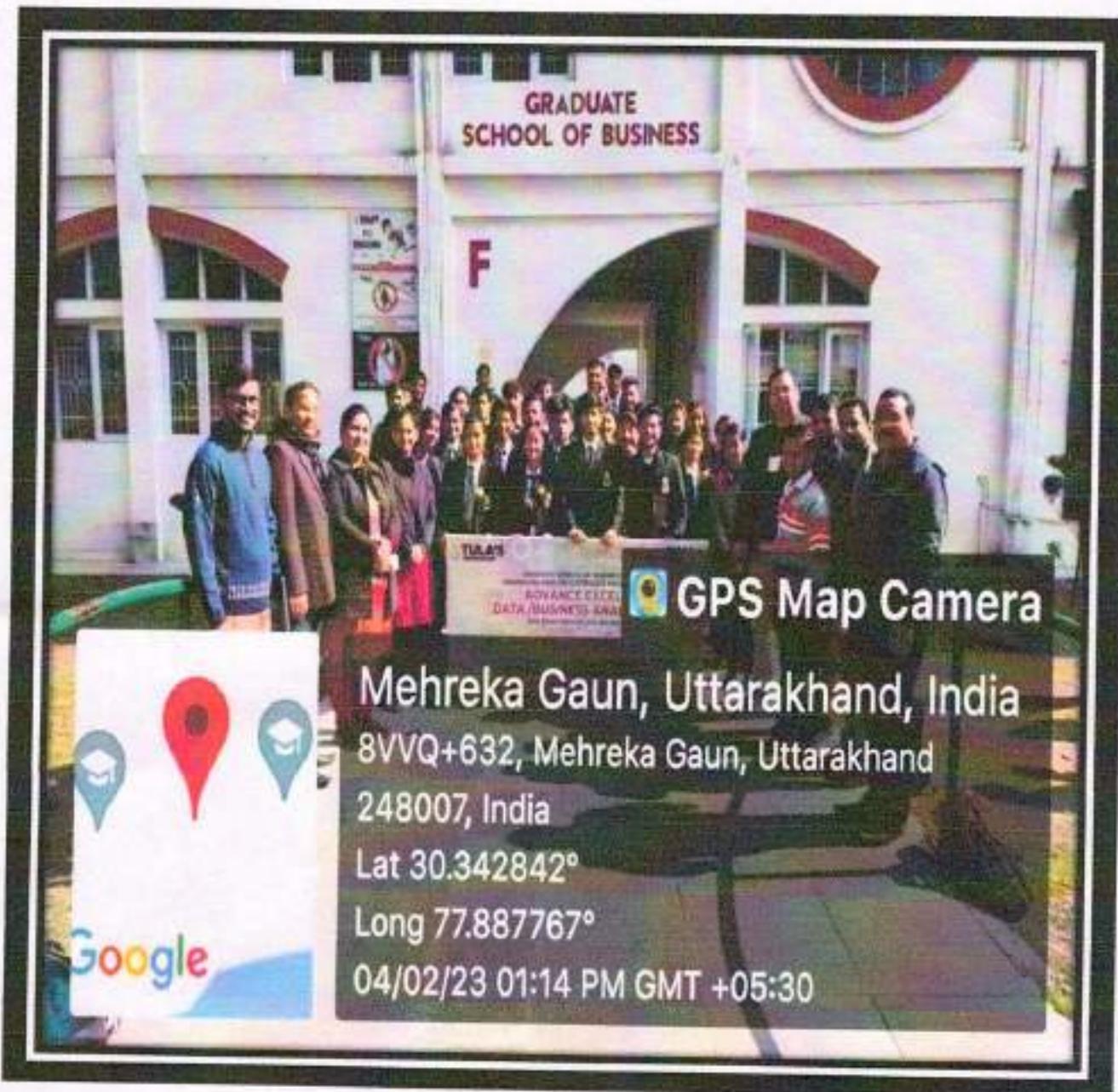


Day 3: Practical Application of Microsoft Tableau

*2023-24*  
Director

Tula's Institute, Dehradun

**Graduate School of Business**



**GROUP PHOTOGRAPHS**



Director  
Tula's Institute, Dehradun

**Short Term  
Course On  
Advanced  
Excel**

## Graduate School Of Business

Event: "6 days Add on Certification on Advanced Excel" for the students of BBA, B.Com.(H) 1st Year.

Date: 30.01.2023 to 04.02.2023

Organized by: Graduate School of Business,

### OBJECTIVE

The objective of this course is to teach students the advance and easy usage of Advanced Excel and various uses to make them industry oriented and future ready business professionals and managers.

Specific educational aims are to:

- Understand and critically apply the concepts and methods of Advanced Excel.
- Identify and uses of functions in excel during working professional environment.
- Interpret results /solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity.
- Create viable solutions to decision making problems using Advanced Excel.

### OUTCOMES OF THE COURSE

Advanced Excel brings actionable insights for businesses. The main outcomes of the course are:

1. Improve operational efficiency through Advanced Excel with their daily activities.
2. Assist businesses by Advanced Excel to understand different data management more accurately.
3. Business uses data visualization with Advanced Excel to offer projections for future outcomes.
4. These insights help in various performances in business environment for the future.
5. How Advanced Excel could give best results in business performance drives to high growth.
6. Discover hidden knowledge, generate expertise and scale business with Advance Excel in the right direction.

### LEARNING OUTCOMES FOR THE STUDENTS

On successful completion of this program, students will be able to:

- Identify and describe Advanced Excel functions with complex business activities in terms of business environment.
- Apply different functions and formulas used in Advanced Excel to best outcomes in working environment.
- Translate results of Advanced Excel into effective courses of action.
- Demonstrate uses of Advance Excel during decision-making in different situations.

### Graduate School Of Business

- Different graphical presentation used in business environment by Advanced excel.
- Exhibit effective collaboration and leadership skills with Advance Excel.

#### **Summary Report:-**

Graduate School of Business of Tula's Institute organized Add on Certification Programme on Advanced Excel for the students of BBA, B.Com.(H) 1st Year from 30.01.2023 to 04.02.2023. The event was carried out by Mr. Amit Jaiswal & Mr. Ashish Tyagi at Tula's Institute, Dehradun. Event started with the introduction about Advanced Excel and deep understanding about graphical presentation was imparted among the students.

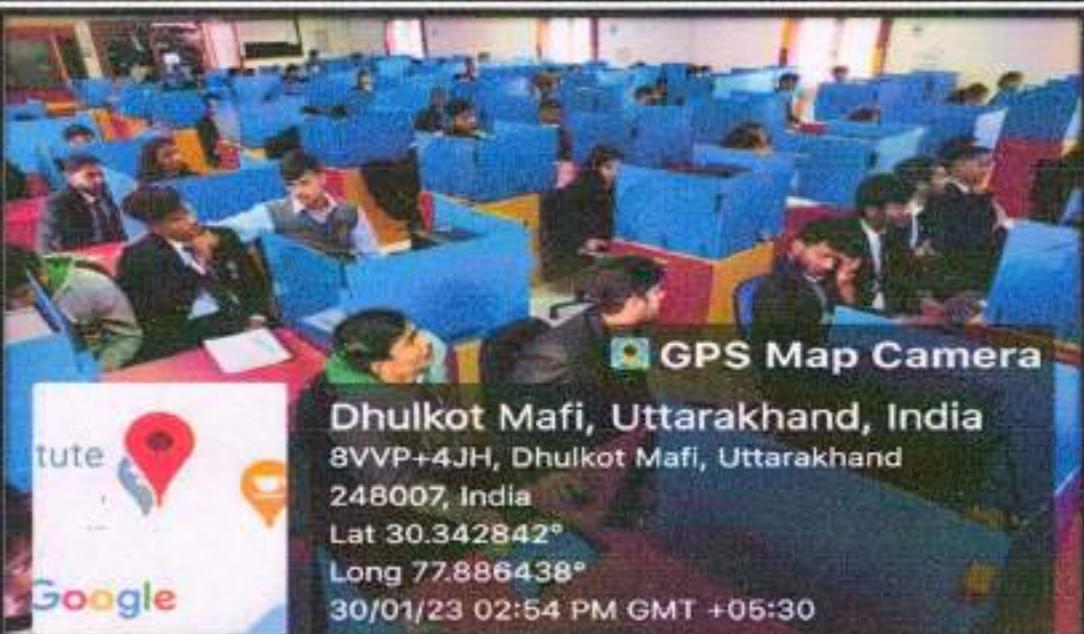
During the tenure of the certificate programme the students were imparted hands on training on Advanced Excel such as different formulas, functions and multiple uses of Advanced Excel. The practical learning was well absorbed by the students and the same was appreciated by them. Mr. Amit Jaiswal & Mr. Ashish Tyagi guided the students as how to be perfect on Advanced Excel. This Programme was conducted with a motive to develop student's Advanced Excel skill and their understanding about the Excel pertaining to handling functions and formulas. Not only limited to this, the practical utility of Excel functions, graphs and charts in business environment,

This programme helped the students to develop their knowledge and practical skills as how handle large data with MS Excel and also engraved the skills of betterment in the field of Advanced Excel.

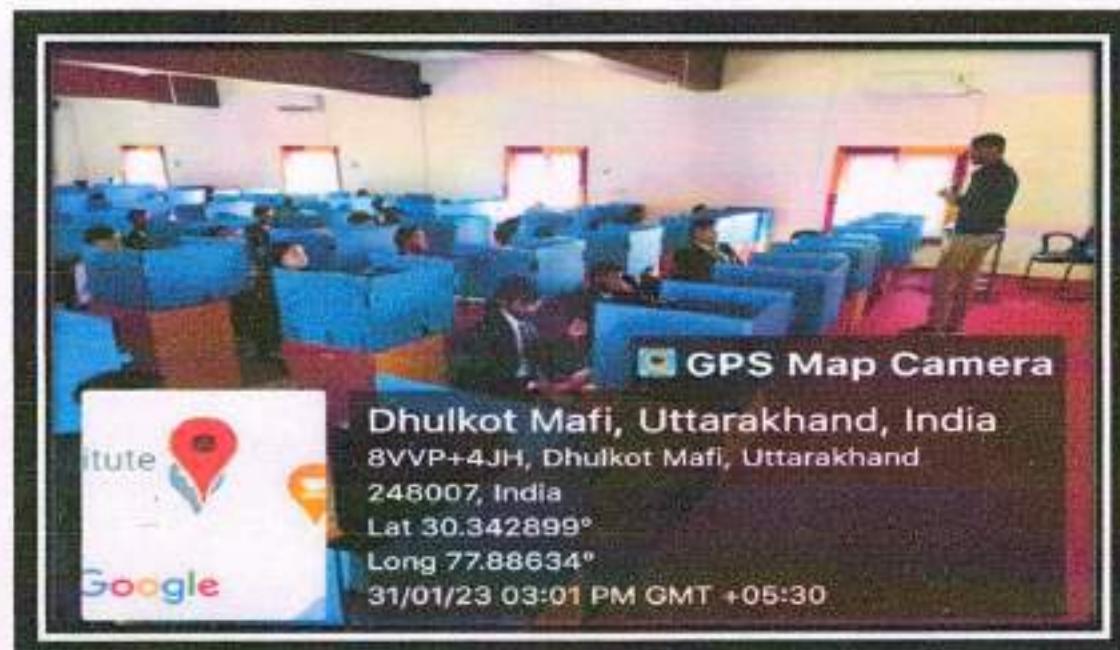


#### **DAY 1 LAB 5**

## Graduate School Of Business



## DAY 1 LAB 5



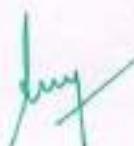
## DAY 2 LAB 5

Director  
Tula's Institute, Dehradun

### Graduate School Of Business



GROUP PHOTOGRAPH





# CERTIFICATE

Inspire  
to  
Aspire

This is to certify that

Mr. / Ms. **VIKRAM RANA**

of

**TULAS INSTITUTE, DEHRADUN**

has successfully completed a 1 Week Add on Certificate on

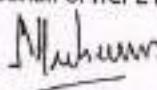
**Advance Excel**

from 30th Jan 2023 to 4th Feb 2023

Certification ID : RCPE-2023/3608

Date: 6th Mar 2023

On behalf of RCPI INDIA

  
Director

  
**Director**  
**Tula's Institute, Dehradun**

**Microsoft**  
**CERTIFIED**  
Program

Hewlett Packard  
Enterprise

NASSCOM<sup>®</sup>



ORACLE  
Workforce  
Development Partner



**Short Term  
Course on  
Six Sigma**

## Graduate School of Business

**Event:** Short Term course on Six Sigma.

**Date:** 05/06/2023- 09/06/2023

**Organized by:** Graduate School of Business

**Objective:** The prerogative of this certification was to educate students on the importance and application of "Six Sigma". In the fast pace business world which is highly competitive "Six Sigma" is inevitable and indispensable. In the first session students were introduced to the introductory module of "Six Sigma" and were gradually up-killed on further details. The preliminary sessions were primarily theoretical and students were enlightened on the basics of "Six Sigma". The primary objective of learning Six Sigma is to develop the knowledge and skills necessary to improve organizational processes and reduce defects or errors in order to achieve higher levels of efficiency, quality, and customer satisfaction. Six Sigma is a disciplined approach to process improvement that focuses on identifying and eliminating variations and defects by applying statistical methods and tools. Six Sigma provides a systematic framework and methodologies to analyze processes, identify areas of improvement, and implement changes that lead to enhanced process performance.

**Summary:** Lean Six Sigma statistical methodology is used to improve the ongoing process, by implementing small changes that remove the defects from the production or service to improve the overall quality and speed. The overall result of the Lean Six Sigma method brings about a change to the overall quality of performance and success of the company. For the students of Commerce and Management who are on the verge of Industry exposure this is an absolute must. The first few sessions were completely introductory and it discussed six sigma, lean technology and lean six sigma. Lean Six Sigma is a new control management system and is a combination of already known six sigma method and lean manufacturing. In the later sessions six sigma technologies "DMAIC" and "DMADV" were talk through. Concluding sessions discussed about various statistical methods like mean, median mode, range and standard deviation. Students were given hands on software like "Minitab" and practical exposure was given through virtual work sheets of various projects undertaken by the expert. Six Sigma equips you with the necessary knowledge, tools, and methodologies to drive process improvements and achieve operational excellence within an organization. It can open up career opportunities in various industries where quality management and process optimization are valued. Six Sigma heavily relies on statistical analysis to measure process performance, identify trends, and make data-driven decisions. You will learn statistical methods and tools like control charts, hypothesis testing, regression analysis, and design of experiments. The core focus of Six Sigma is process improvement. You will learn how to analyze existing processes, identify inefficiencies, and implement improvements to enhance quality and productivity. This may involve streamlining workflows, reducing defects, optimizing resources, and implementing control mechanisms. Six Sigma projects often involve cross-functional teams, and you will learn how to effectively lead and facilitate teams to achieve project objectives. You will develop skills in communication, collaboration, and conflict resolution to ensure successful

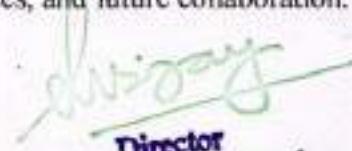
**Director**  
**Tula's Institute, Dehradun**

### Graduate School of Business

implementation of process improvements. The 5 days certification program was indeed holistic and informative and will definitely give professional edge to students.

#### Outcomes:

1. Knowledge of Six Sigma methodology: You will gain a solid understanding of the fundamental principles, concepts, and methodologies of Six Sigma. This includes learning about the DMAIC (Define, Measure, Analyze, Improve, Control) approach, which is the core framework of Six Sigma.
2. Familiarity with Six Sigma tools and techniques: The workshop will introduce you to a range of tools and techniques used in Six Sigma projects. These may include process mapping, data collection and analysis, root cause analysis, statistical process control (SPC), hypothesis testing, design of experiments (DOE), and more. You will learn how to apply these tools effectively to solve complex process problems.
3. Problem-solving and data-driven decision-making skills: Six Sigma emphasizes data-driven decision-making to solve problems and improve processes. Through the workshop, you will develop skills in gathering, analyzing, and interpreting data to identify trends, patterns, and root causes of process issues. This will enable you to make informed decisions based on objective evidence.
4. Project management skills: Six Sigma projects typically follow a structured project management approach. The workshop will provide insights into project management techniques specific to Six Sigma, such as project scoping, defining project goals and metrics, managing project timelines, and coordinating cross-functional teams. You will learn how to effectively plan, execute, and monitor Six Sigma projects.
5. Collaboration and teamwork: Six Sigma projects often involve working in cross-functional teams. The workshop will provide opportunities to collaborate with fellow participants, fostering teamwork and communication skills. You will learn how to leverage the diverse skills and perspectives of team members to drive successful project outcomes.
6. Practical application experience: Workshops often include hands-on exercises, case studies, and simulations that allow you to apply Six Sigma concepts and tools in real-world scenarios. This practical experience will help solidify your understanding of Six Sigma and build confidence in applying the methodology to your own work environment.
7. Networking opportunities: Workshops bring together professionals from various industries and backgrounds. You will have the chance to connect and network with like-minded individuals who share an interest in process improvement and quality management. These connections can be valuable for exchanging ideas, best practices, and future collaboration.

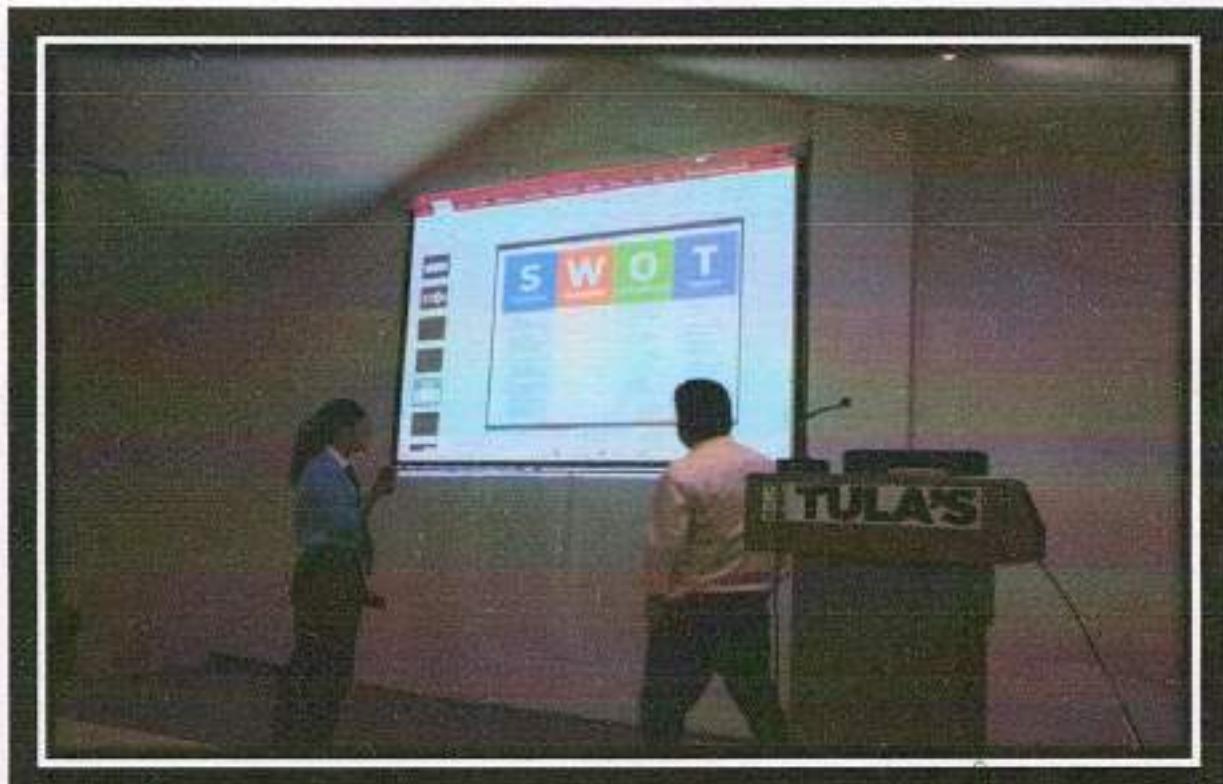


Director  
Tula's Institute, Dehradun

**Graduate School of Business**



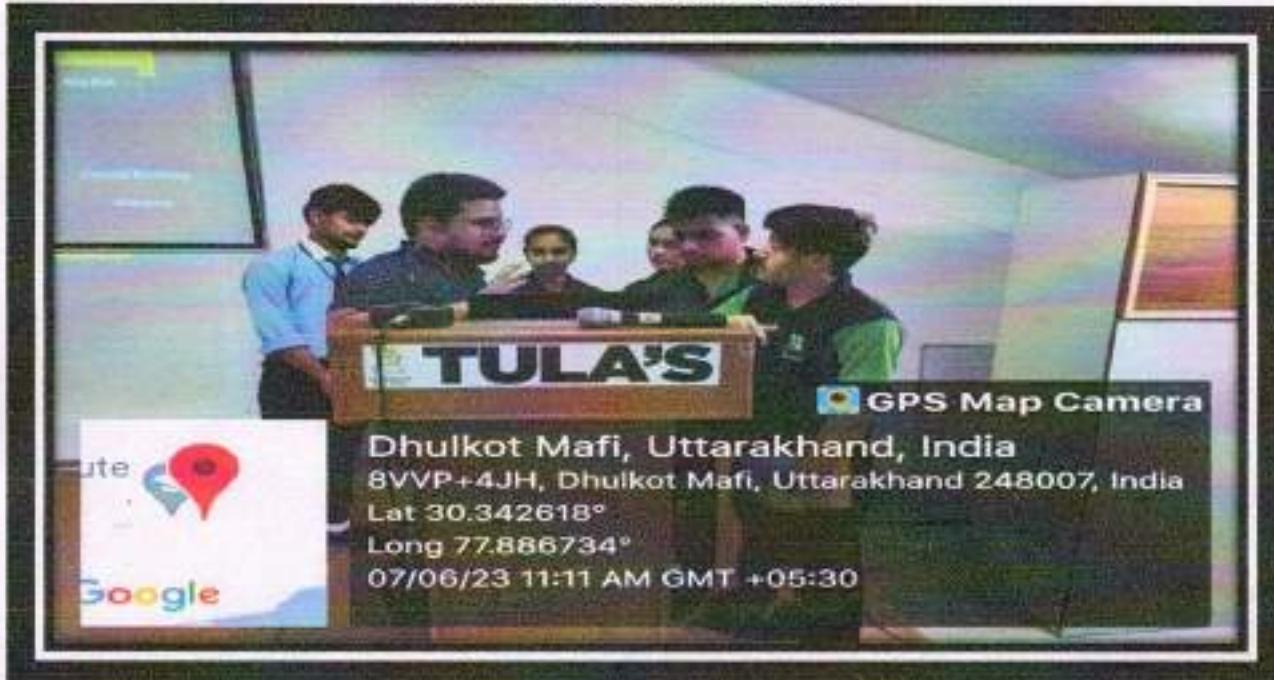
**TRAINER GIVING PRESENTATION ON VARIOUS ASPECTS OF SIX SIGMA**



**STUDENTS ARE GIVEN PLATFORM TO EXPRESS THEIR VIEWS ON VARIOUS  
ASPECTS**

  
**Director**  
**Tula's Institute, Dehradun**

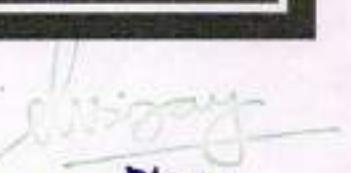
**Graduate School of Business**



**DOUBTS CLEARING SESSION**



**GROUP PHOTOGRAPH**



Director  
Tula's Institute, Dehradun

Date of Issue : 27 June 2023  
Certificate No. : BSPL03090604



# Certificate of Completion

This Certificate accredits that  
**Abhinav Rawat**  
has successfully completed certificate course on  
**Six Sigma**

Duration : 30 hours

Our Industry Association

intel partner  
alliance

 Microsoft  
Authorized Education Partner



  
Director  
Tula's Institute, Dehradun

**Short Term Course  
on Microsoft  
Power Bi  
With  
Tableau**

## Graduate School of Business

**Event:** "6 days Add on Certification on Microsoft Power BI with Tableau" for B.B.A. & B.Com Students.

**Date:** 05/06/2023 - 10/06/2023

**Organized by:** Graduate School of Business

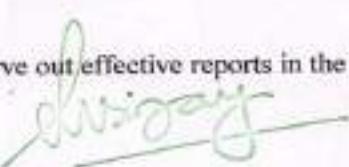
**Objective:** The main objective of Short term course is

- To gain insight about most accepted and top tools used globally by organizations for business intelligence Microsoft Power BI and Tableau.
- To familiarize the students about the deep understanding on the key functions of Power BI and Tableau, and acquire the skills necessary to effectively use these powerful business intelligence tools for data visualization, analysis, and reporting.

**Summary:** The Short term course was organized by Graduate School of Business in collaboration with Brillica Services, Patel Nagar, Dehradun. All BBA & B.Com I Year students participated in this workshop. Trainer started the session with the basic fundamentals of the Power BI with Tableau with practical hands on training. Trainer given a brief on subject matter on the course, students had the opportunity to work on real-world case studies and projects to apply their knowledge and skills in practical scenarios. They acquired proficiency in data visualization techniques, data manipulation, and storytelling with data using Power BI and Tableau.

### Outcomes:

- Students gained preliminary knowledge about Business intelligence and its concept and logic.
- They explored the fundamentals of Microsoft Power BI and Tableau and its importance in the field of data handling.
- They were informed about these two technologies and learnt how they assist in drafting intelligent dashboards, learnt about error handling and rich reports.
- During the session they made various graphs using the data provided by the trainer and had a fair idea about the working of this technology
- They made few charts and graphs with the help of data provided by the trainer and under his constant support and supervision.
- They learnt how data is intelligently used to carve out effective reports in the business world.



Director  
Tula's Institute, Dehradun

### Graduate School of Business



### Facilitation Of External Trainer

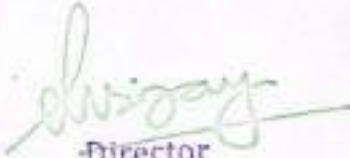


Director  
Tula's Institute, Dehradun

**Graduate School of Business**



**Closing Session of 6 days**  
**Add on Certification on Microsoft Power BI with Tableau”**  
**for B.B.A. & B.Com Students.**

  
Director  
Tula's Institute, Dehradun

Date of Issue : 27 June 2023  
Certificate No.: BSPLO30906244



**BRILLICA**

S E R V I C E S

# Certificate of Completion

This Certificate accredits that

**Anurag Kumar**

has successfully completed certificate course on

**Data Analysis using PowerBI & Tableau**

Duration : 30 hours



Our Industry Association

**Microsoft**

Authorized Education Partner

intel partner alliance

### Index

## Add-On Courses for Academic Year 2021-22

S. No.	Particulars	Annexure No.
1.	Short Term Course on "Advance Excel"	Annexure - I
2.	Short Term Course on "Auto-Cad"	Annexure - II
3.	Short Term Course on "Deep Neural Networks"	Annexure - III
4.	Short Term Course on "Industrial Robotics Design and Implementation""	Annexure - IV
5.	Short Term Course on "Internet of things"	Annexure - V
6.	15 Days Online Training Programme On Advances In Agripreneurship And Skill Development Reshaping Future Of Indian Agriculture.	Annexure - VI
7.	IIT BOMBAY SPOKEN TUTORIAL short term Course on Latex	Annexure - VII
8.	Short Term Course On "TALLY & STOCK MARKETS"	Annexure - VIII
9.	Short Term Course On "Fabrication of Voice -Controlled Robot"	Annexure - IX
10.	Short Term Course On "Introduction to Data Science and Analytics"	Annexure - X
11.	Short Term Course On "Still Photography"	Annexure - XI

*Jay*  
Director  
Tula's Institute, Dehradun

Dhaokot, P.D. Salauli, Chakrata Road,  
Dehradun - 248011 (U.K. India)

[www.tulas.edu.in](http://www.tulas.edu.in)

0135-2699900  
0135-2699901

#### Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

#### Mission:

- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

**Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year :2021-22**

S.No.	Name of Add on /Certificate programs offered	Year of offering	Number of students enrolled in the year	Number of Students completing the course in the year
1.	Short Term Course on Advance Excel	2021-2022	266	266
2.	Short Term Course on Tally & Stock Markets	2021-2022	62	62
3.	Short Term Course on IOT	2021-2022	55	55
4.	Short term Course on Industrial Design & Development	2021-2022	14	14
5.	Short Term Course on Sustainability, Smart farming & Agri Inovation	2021-2022	250	250
6.	Short Term Course on Deep Neural Network	2021-2022	140	140
7.	Short Term Course on Auto-Cad	2021-2022	131	131
8.	Spoken IIT BOMBAY LaTex	2021-2022	93	93
9.	Fabrication of Voice Controlled Robot	2021-2022	414	414
10.	Introduction to Data Science and Analytics	2021-2022	32	32
11.	Still Photography	2021-2022	18	18



Director  
Tula's Institute, Dehradun

**Annexure - I**

# **Short Term Course on “Advance Excel”**



Director  
Tula's Institute Dehradun

**Event:** "5 days short term course on ADVANCE EXCEL" for BBA Students.

**Date:** 06/June/2022 to 10/June/2022

**Organized by:** Graduate School of Business

**Objective:** The main objective of Short term course is

- To gain insight about the Microsoft excel.
- To familiarize the students about the deep understanding of the advanced Excel formulas and functions that transform Excel from a basic spreadsheet program into a dynamic and powerful analytics tool.

**Summary:** The Short term course was organized by Graduate School of Business in collaboration with IIT Kanpur. All BBA student's participated in this workshop. Trainer started the session with the basic fundamentals of the excel with practical hands on training. He told how to think like Excel, and write powerful and dynamic Excel formulas from scratch. How to write advanced conditional, text, date and lookup functions in spreadsheet. He discussed that at a time when digital skills jobs are growing much faster than non-digital jobs, this course will help students to position them ahead of others.

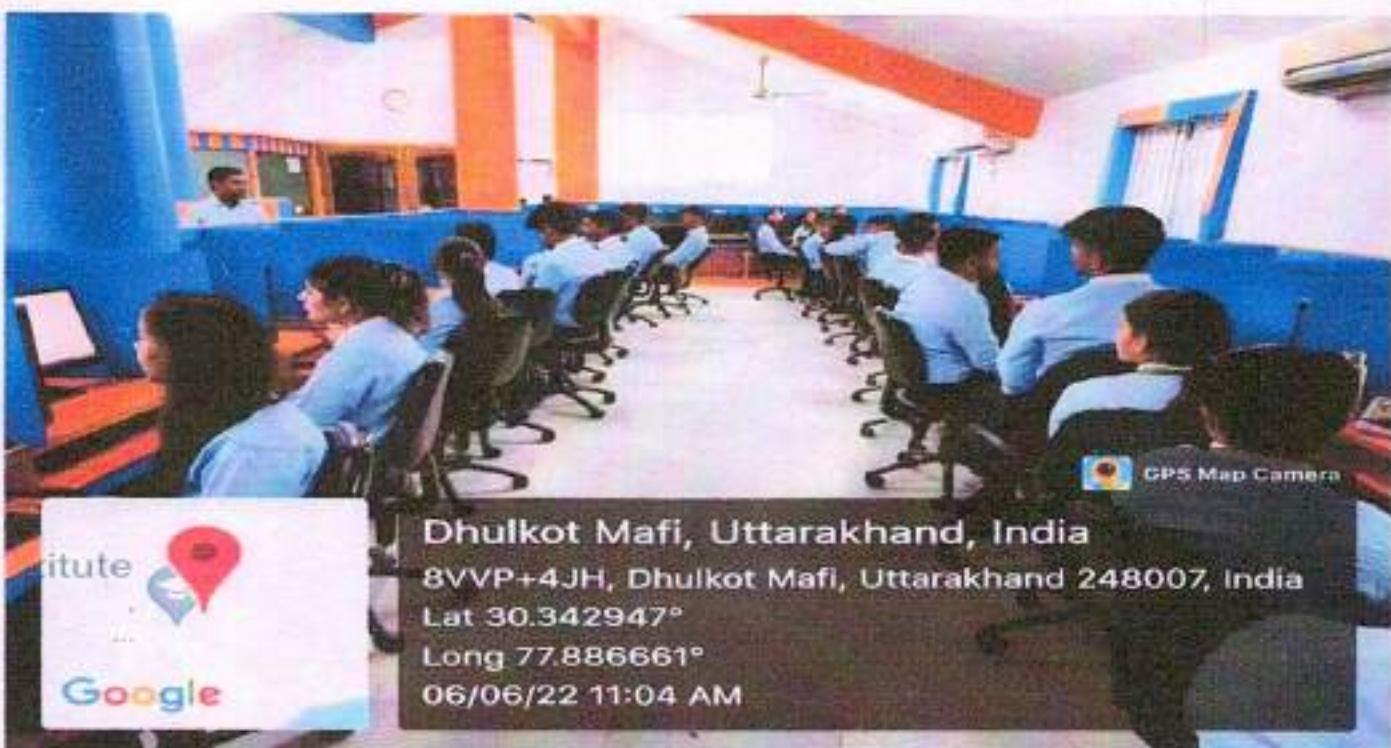
**Outcomes:**

- To have an exposure of Spreadsheet and to get knowledge about the various formulas and shortcut keys used for better understanding of excel.
- Student learns about the advance formulas for speedy data analysis.
- To Learn About the Conditional formatting, lookup and many other tools used in excel
- Students learns to Create Smart Solution for your daily work.

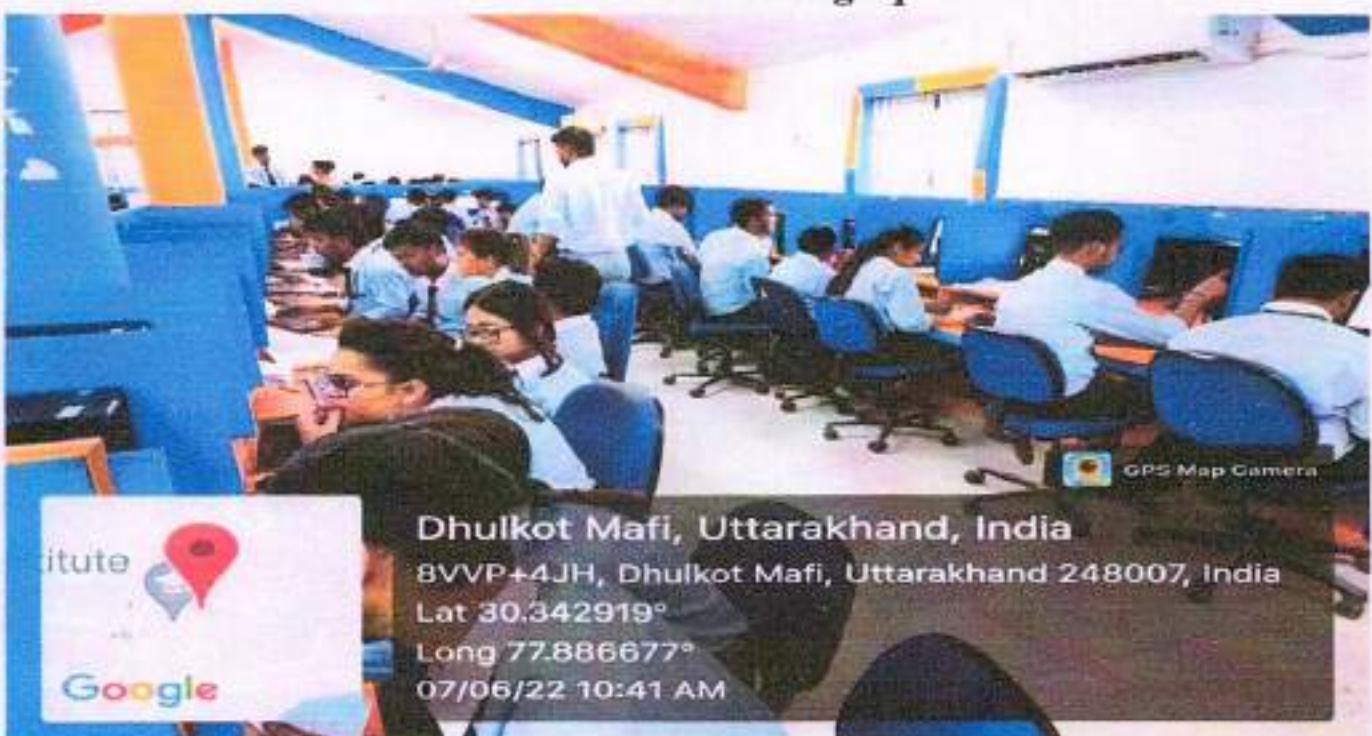


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Tula's Institute Dehradun

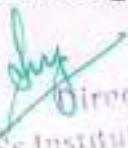
## SHORT TERM COURSE ON ADVANCE EXCEL PHOTOGRAPHS



**Advance Excel Lab Photographs**

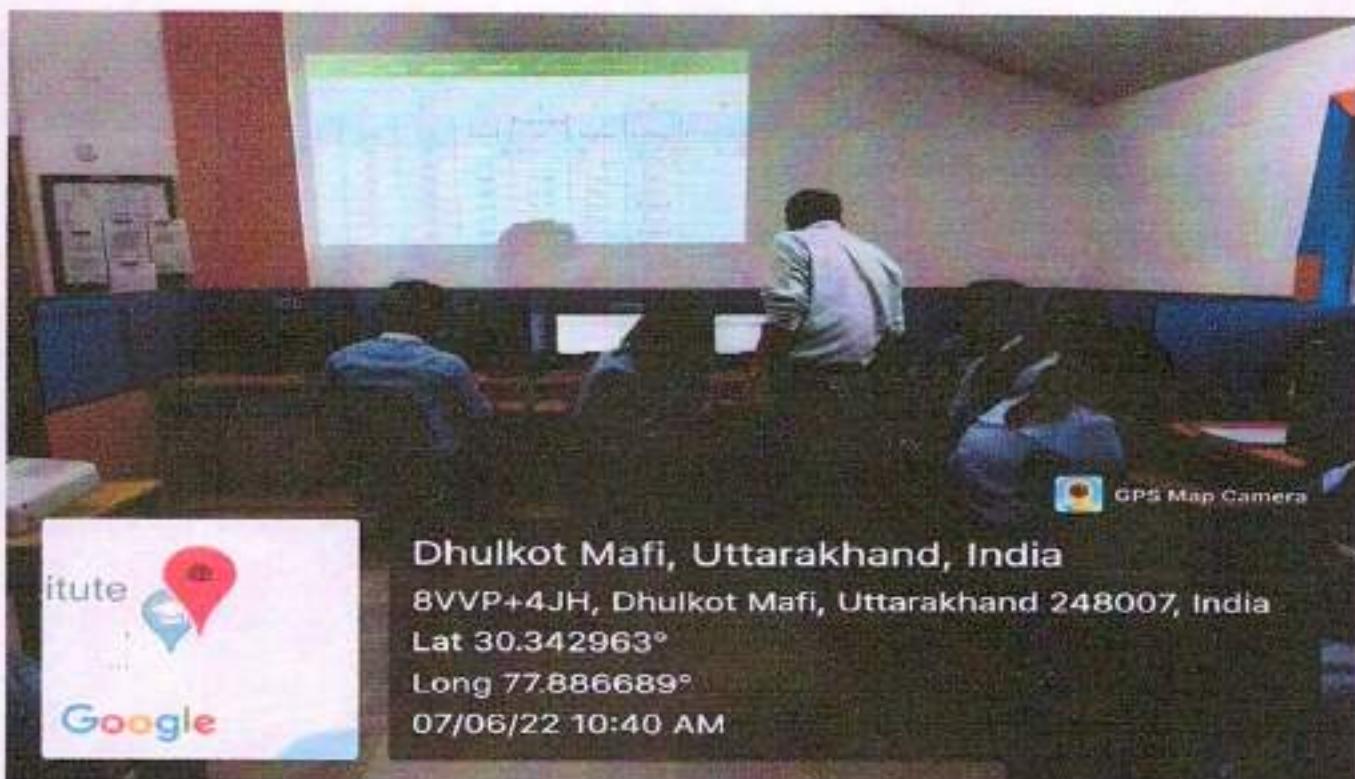


**Advance Excel Lab Photographs**



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Tula's Institute, Dehradun

## Tula's Institute Graduate School of Business



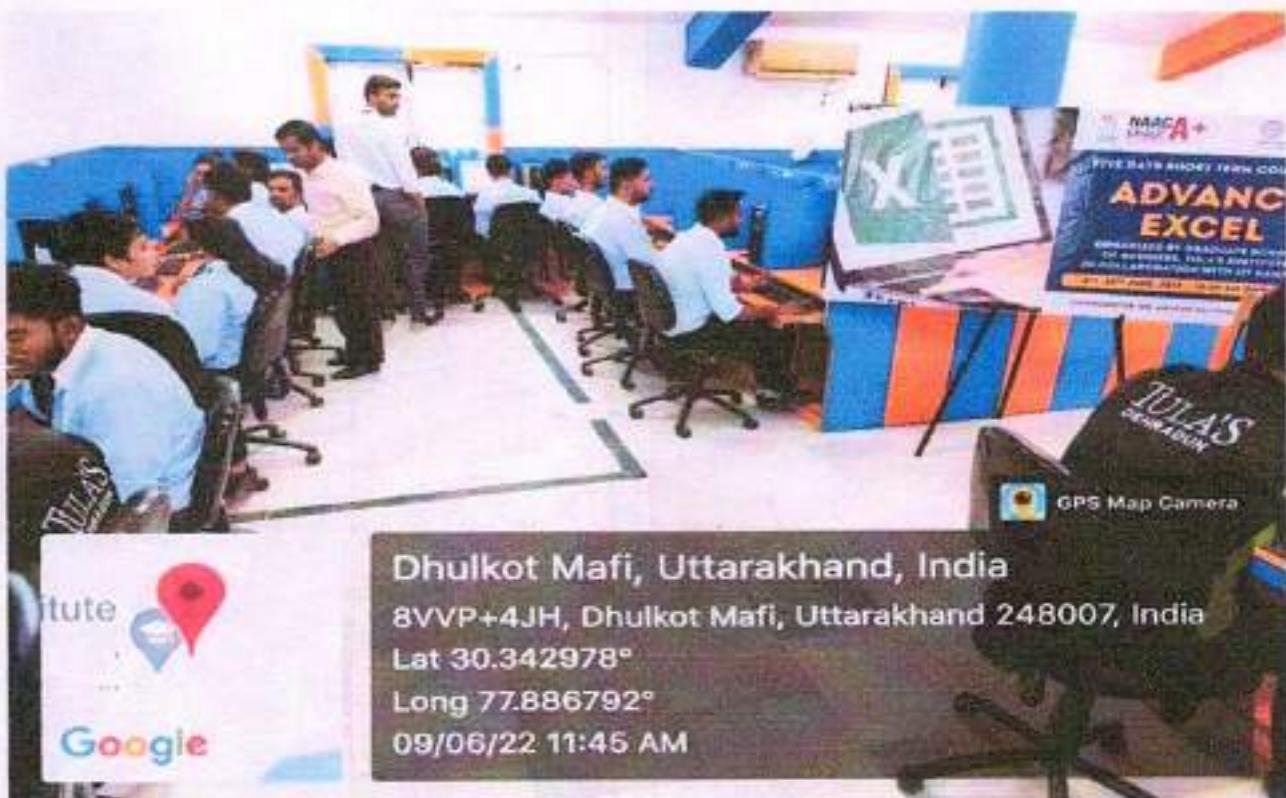
### Advance Excel Lab Photographs



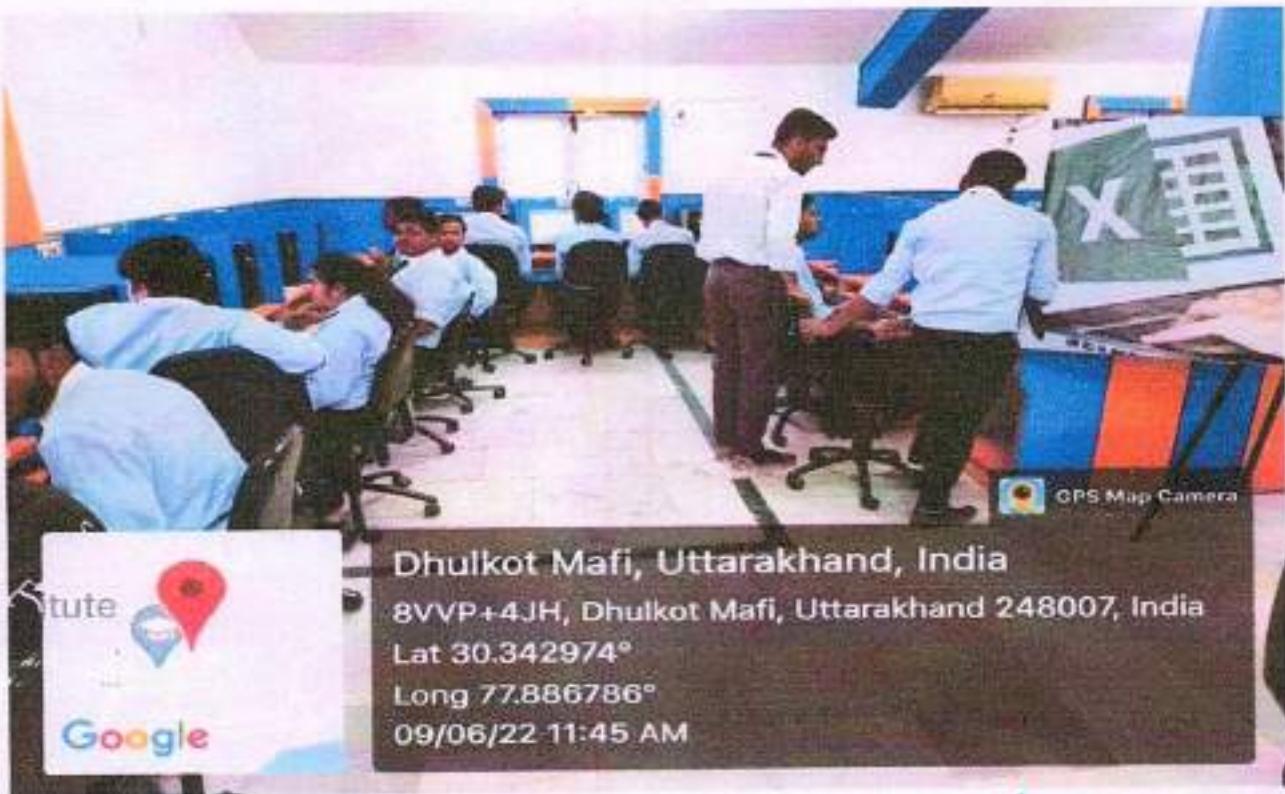
### Advance Excel Lab Photographs

# Tula's Institute

## Graduate School of Business



### Advance Excel Lab Photographs



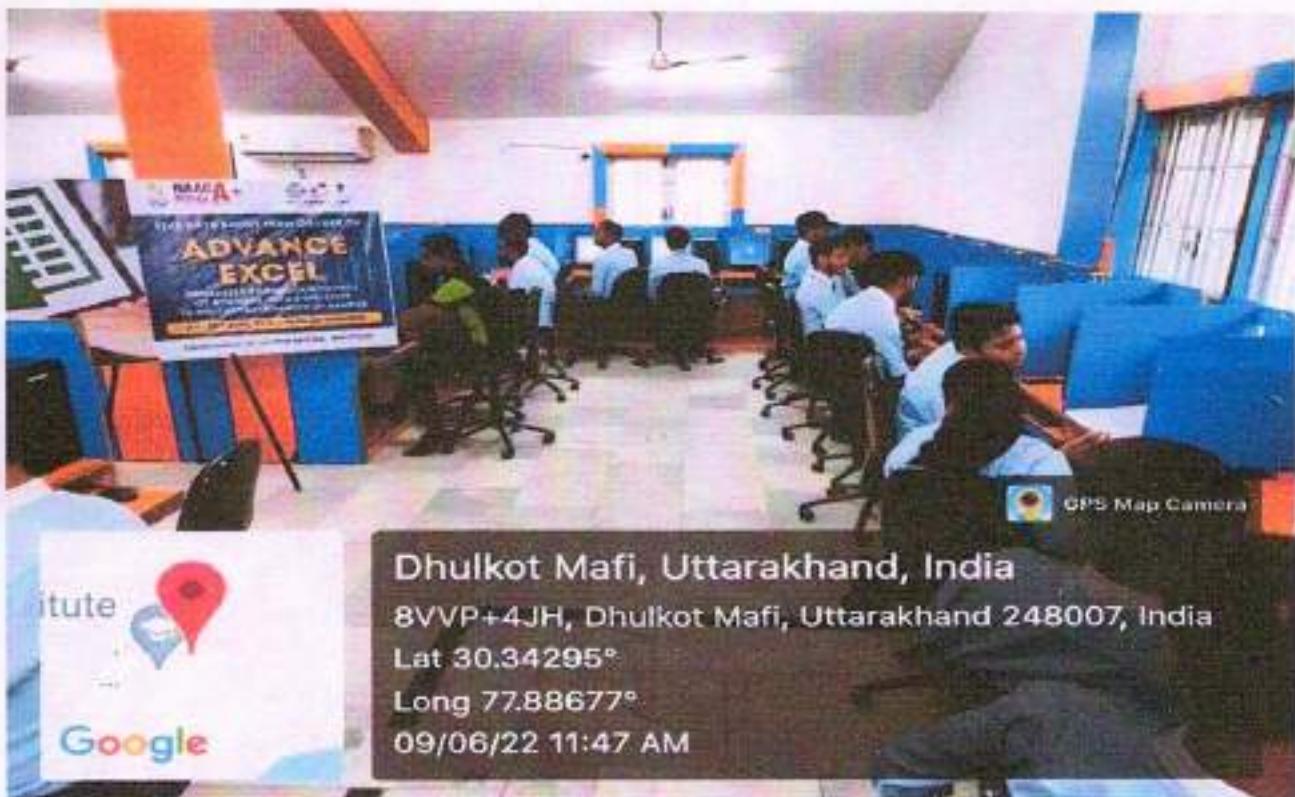
### Advance Excel Lab Photographs



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# Tula's Institute Graduate School of Business



## Advance Excel Lab Photographs



## Advance Excel Group Photographs

  
Director  
Tula's Institute, Dehradun



## E & ICT Academy, IIT Kanpur (A joint initiative of Meity & IIT Kanpur)

### Certificate

This is to certify that

Dr. / Mr. / Ms. Aashish of  
Tula's Institute, Dehradun  
has completed the **Student Development Program** on  
**Advance Excel**  
from 06-06-2022 to 10-06-2022

Prof. B. V. Phani

Prof. Amey Karkare

Chief Investigator E & ICT Academy, IIT Kanpur

Date of Issue: 30-07-2022

System Identification No.: 607-7113

Director  
Tula's Institute, Dehradun

**Annexure - II**

# **Short Term Course on “AutoCad”**

## **Summary Report of Short Term Course on “AUTOCAD”**

The Society of Mechanical Engineering, Tula's Institute conducted a “**Short Term course on AUTOCAD**” for a week i.e. from on 29 Aug. to 2 Sept. 2022. The trainer for the offline session is **Mr. Amarpreet Singh** who is **Senior Trainer at ICT ACADEMY** affiliation with **IIT KANPUR**. He is also Founder, Director & C.E.O, Senior Manager , Corporate Trainer , Project Manager/Co-Ordinator , Content Developer & SME for higher Education Autodesk ATC Head ,West Delhi, Delhi, India

### **OBJECTIVE**

The objective of this course is to teach students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD. After completing this course users will be able to

- Use AutoCAD for daily working process.
- Navigate throughout AutoCAD using major navigating tools.
- Understand the concept and techniques to draw.
- Create multiple designs using several of tools.
- Create layers to control the objects' visibility.
- Explain drawing using annotations.
- Plot or print the drawing by scale.
- Use constraint for certain design.

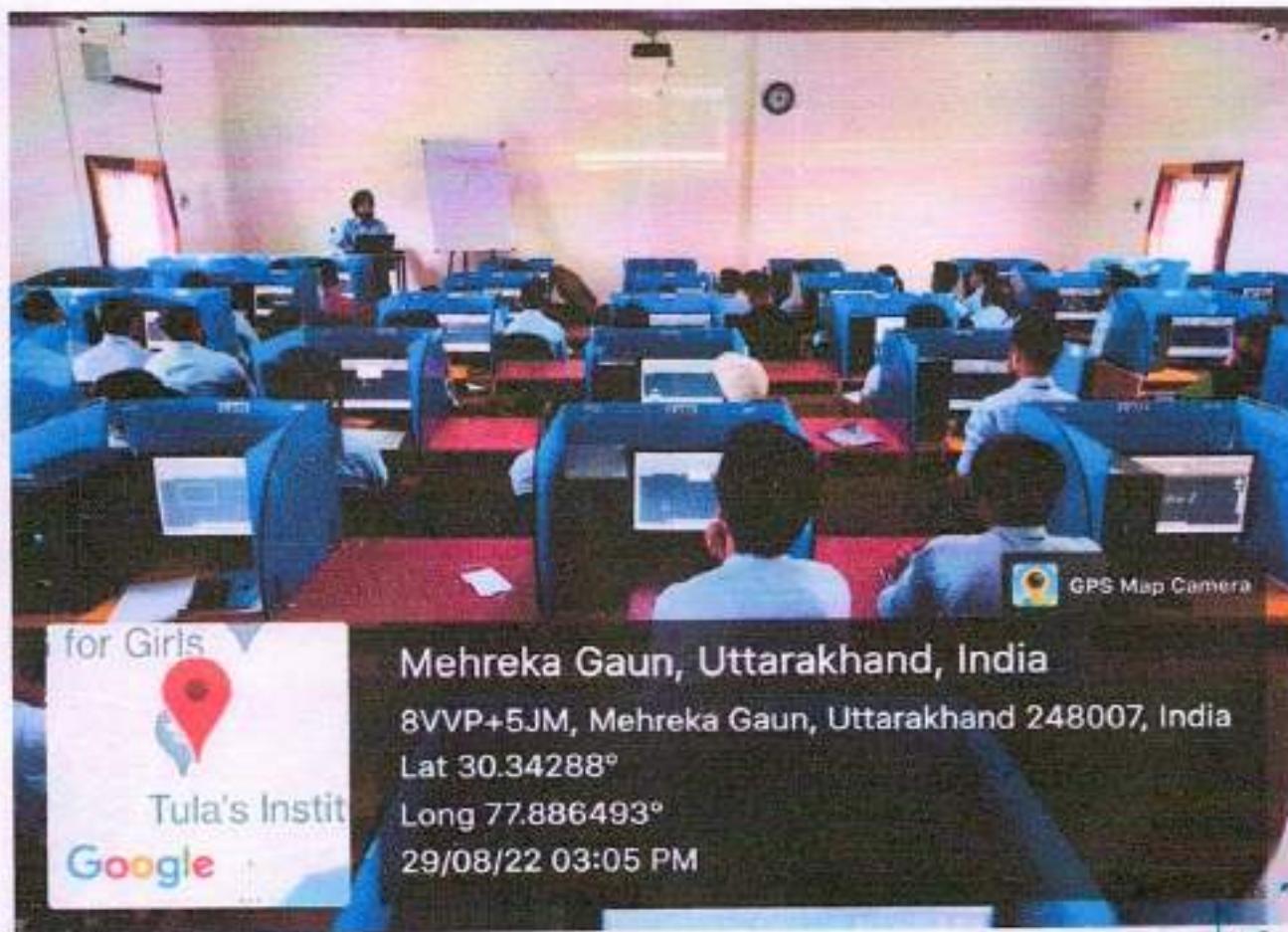


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Tula's Institute, Dehradun

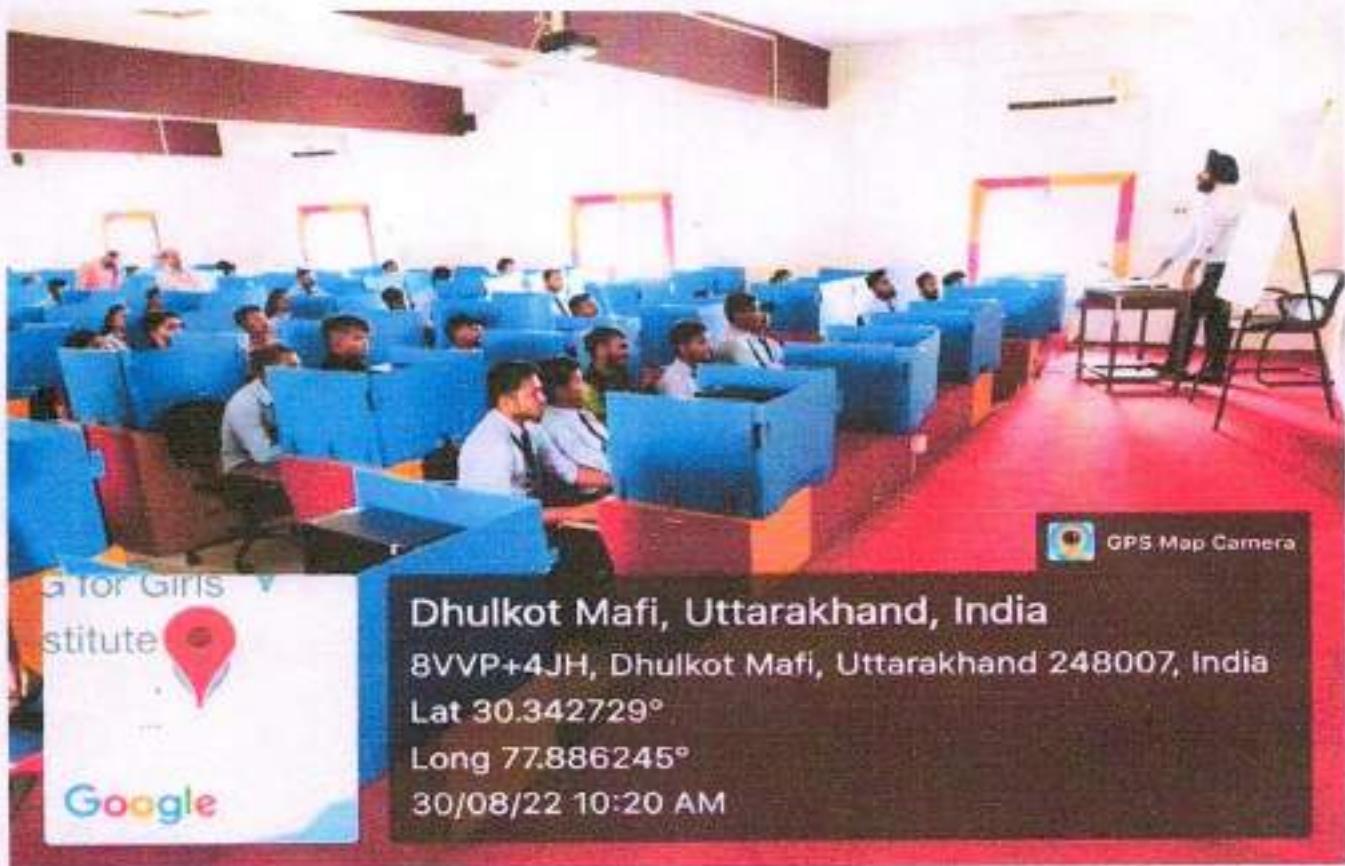
## SHORT TERM COURSE ON “AUTOCAD” PHOTOGRAPHS



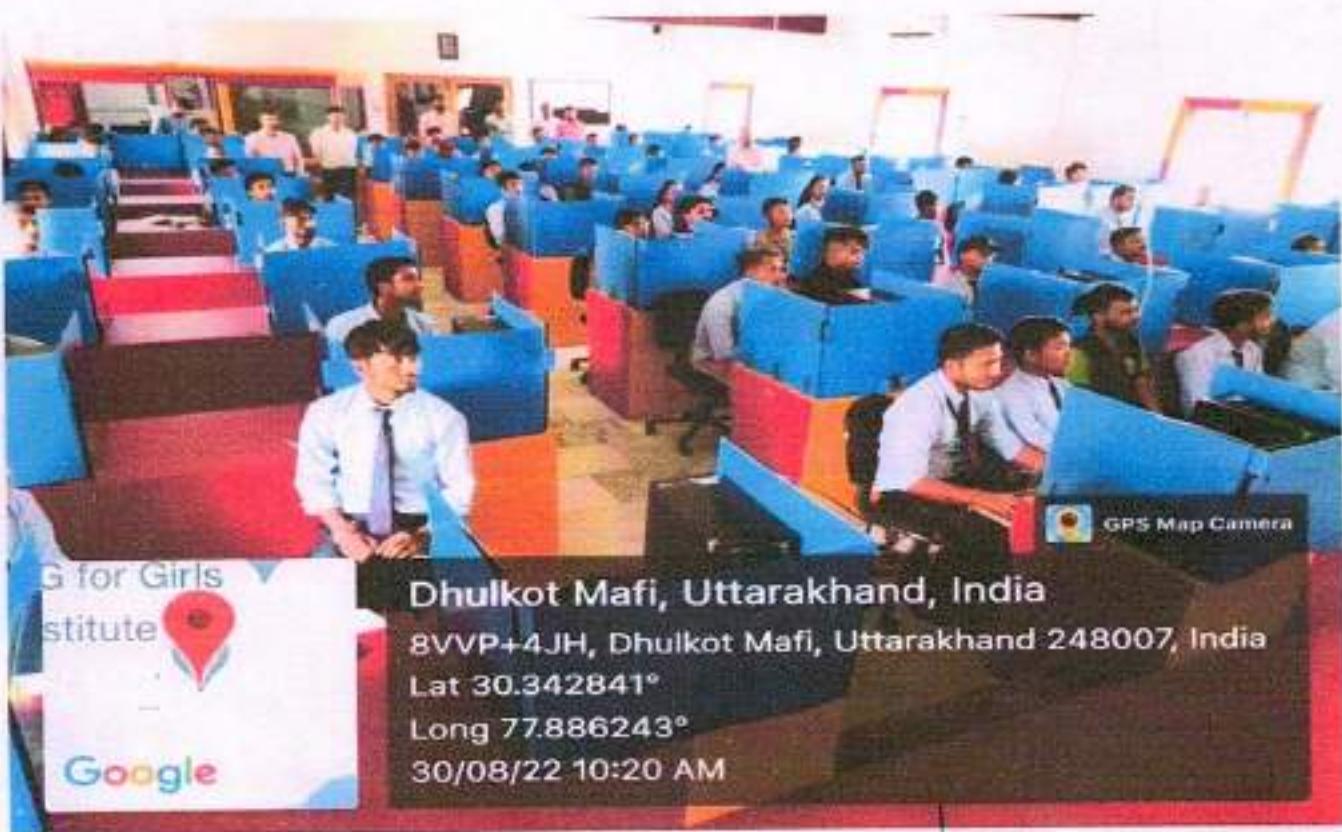
AUTOCAD Lab Photograph DAY 1



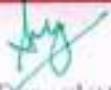
AUTOCAD Lab Photograph Day 1



### AUTOCAD Lab Photograph Day 2

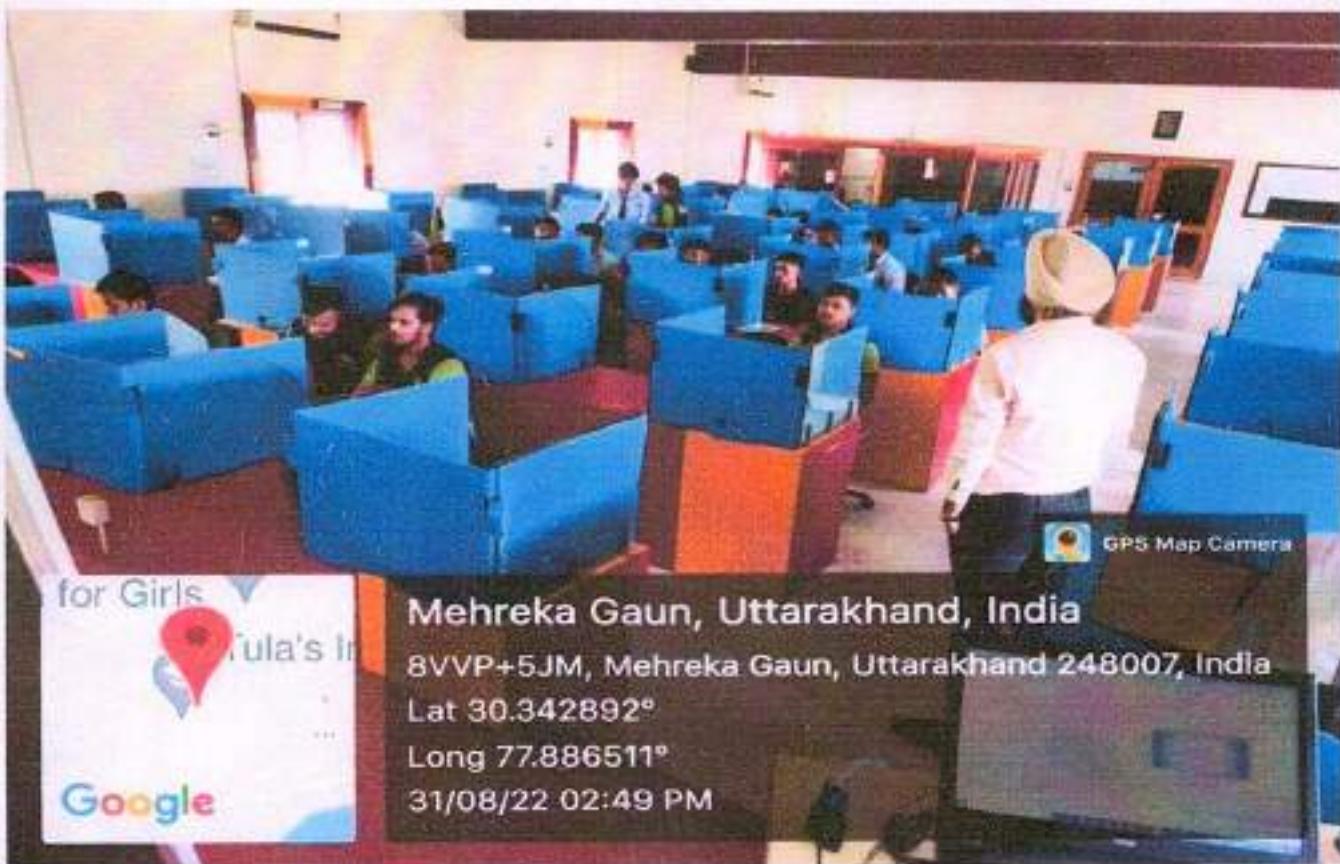


### AUTOCAD Lab Photograph Day 2

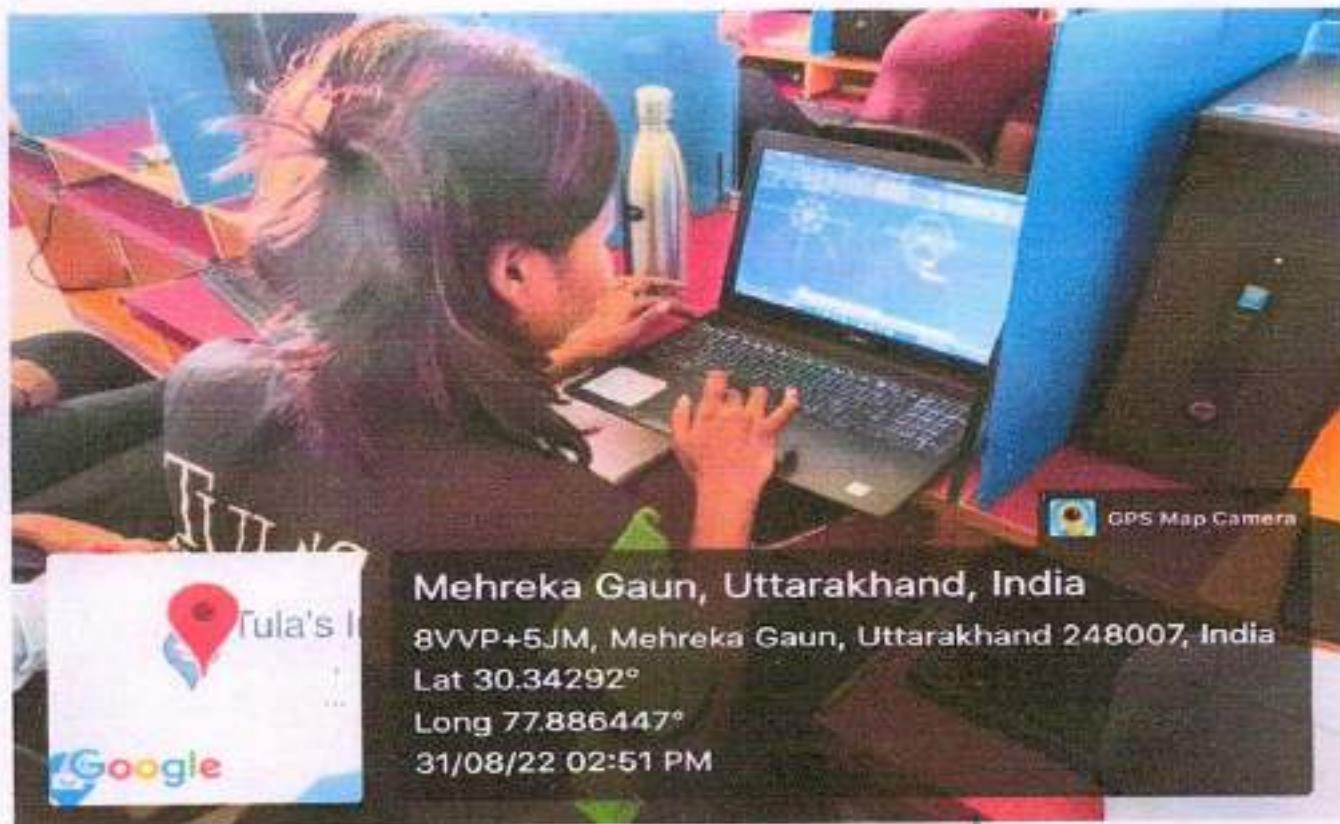


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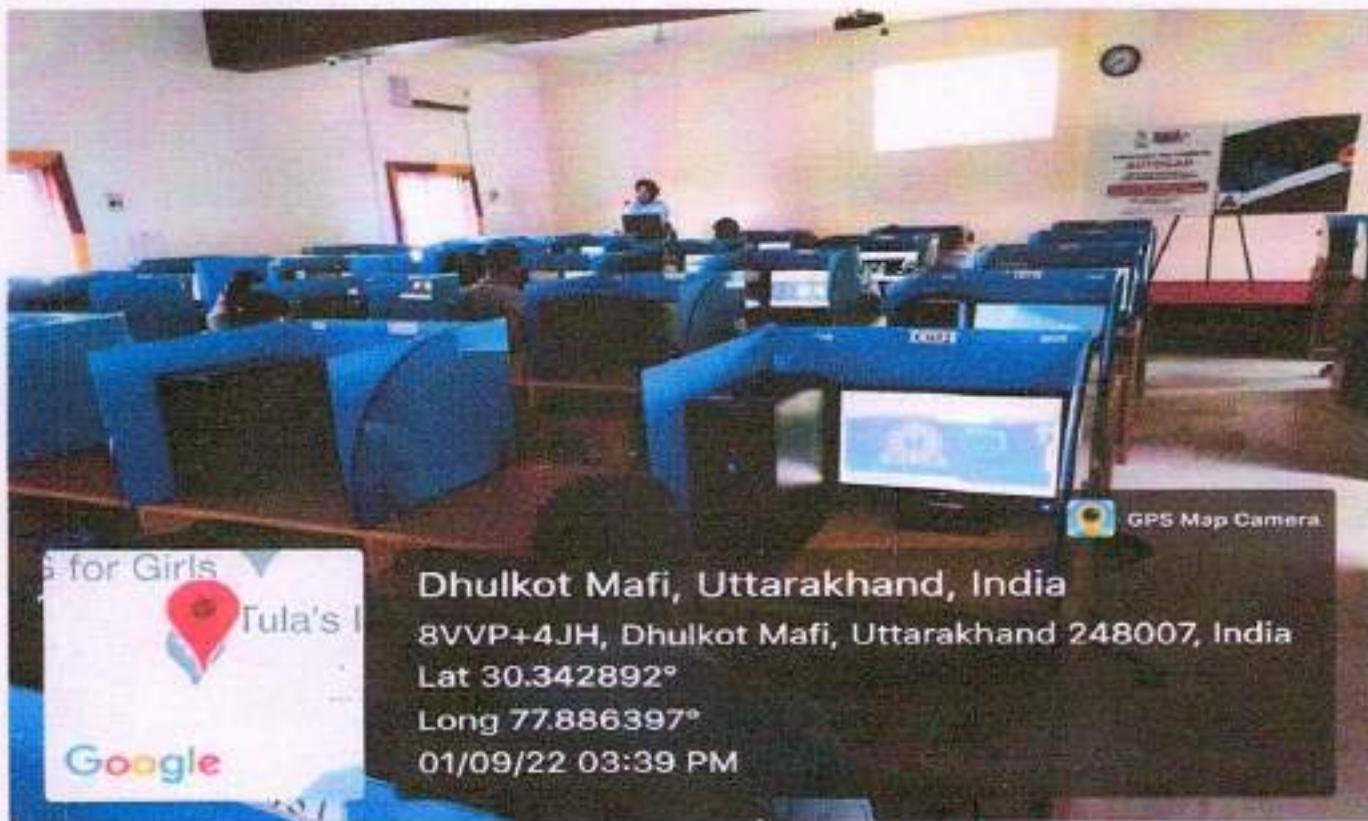
AUTOCAD Lab Photograph Day 3



AUTOCAD Lab Photograph Day 3



AUTOCAD Lab Photograph Day 4



AUTOCAD Lab Photograph Day 4



**AUTOCAD Lab Group Photograph Day 5**



**AUTOCAD Lab Group Photograph**



**E & ICT Academy, IIT Kanpur**  
**(A joint initiative of MeitY & IIT Kanpur)**

**Certificate**

This is to certify that:

Dr. / Mr. / Ms. Yorum Vivek Yorum Tach of  
Tula's Institute, Dhoolkot  
has completed the **Student Development Program** on  
**AutoCAD**  
from 29-08-2022 to 02-09-2022

Date of Issue: 27-09-2022

System Identification No.: 3081-7124

*13.1.22.*

Prof B. V. Phani

*Ameey Karkare*  
Prof Ameey Karkare

Chief Investigator E & ICT Academy, IIT Kanpur

  
Director

Tula's Institute, Dehradun

**Annexure - III**

**Short Term Course  
on “Deep Neural  
Networks”**

## Tula's Institute

### Department of Computer Science & Engineering

**Event:** Hands-on Short-Term Course on Deep Neural Networks

**Duration:** 5 days (29 Aug 2022 - 2 Sept 2022)

**Organized By:** Department of Computer Science & Engineering

**Venue:** Conference Hall, Tula's Institute

**Number of Participants:** 140 (Students of B.Tech CSE 3<sup>rd</sup>, 4<sup>th</sup> and MCA 2<sup>nd</sup> yr)

#### **Resource Person:**

Dr. Satish Kumar Singh, Associate Professor, IIIT Allahabad

Dr. Nayanceesh Mishra, Neodee Sutram for Artificial Intelligence Pvt. Ltd.

Mr. Nand Kumar Yadav, Assistant Professor, IIIT Allahabad

Department of Computer Science & Engineering, Tula's Institute, Dehradun organized a 5 days Hands-on Short-Term course on Deep Neural Networks. The event was coordinated by Mr. Sanjay Kumar, Assistant Professor under the guidance of Dr. R. B. Singh, Head of Department of Computer Science.

**During the course following topics were covered:**

- Classifiers
- Neural Networks
- Convolutional Neural Networks (CNN)
- Training Network
- CNN Architectures
- Generative Adversarial Networks

The course was divided into 15 slots of 1.5 hrs each. Students were given theoretical and practical insight of the topics covered during the course. Students interacted with the speakers during their practical sessions and cleared their doubts in the questionnaire session. Course was attended by the students of B.Tech CSE 3<sup>rd</sup>, 4<sup>th</sup> and MCA 2<sup>nd</sup> yr. Overall it was a great learning experience for students.

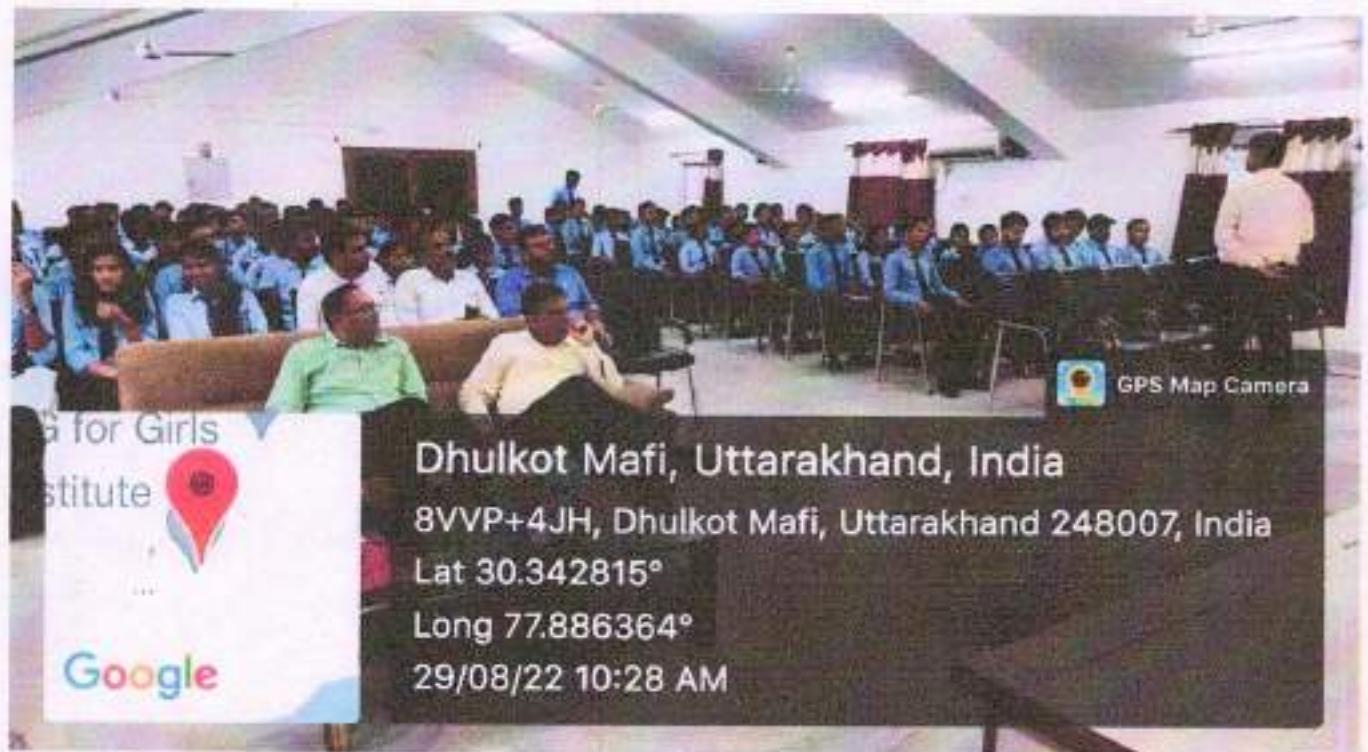


Figure 1: Short Term Certification Course on Deep Neural Network

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Sri Aurobindo Institute, Dehradun

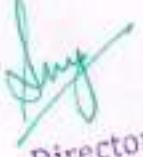


Figure 2: Short Term Certification Course on Deep Neural Network

  
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Figure 3: Short Term Certification Course on Deep Neural Network



Director  
Tula's Institute, Dehradun



Figure 4: Short Term Certification Course on Deep Neural Network



Director  
Tula's Institute, Dehradun

A handwritten signature in black ink is positioned above the title "Director" and the name "Tula's Institute, Dehradun". The signature appears to be a stylized form of the letters "T" and "D".



Figure 5: Short Term Certification Course on Deep Neural Network



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Tula's Institute, Dehradun



Figure 6: Short Term Certification Course on Deep Neural Network



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Tula's Institute, Dehradun



Figure 7: Short Term Certification Course on Deep Neural Network

  
Director  
Tula's Institute, Dehradun

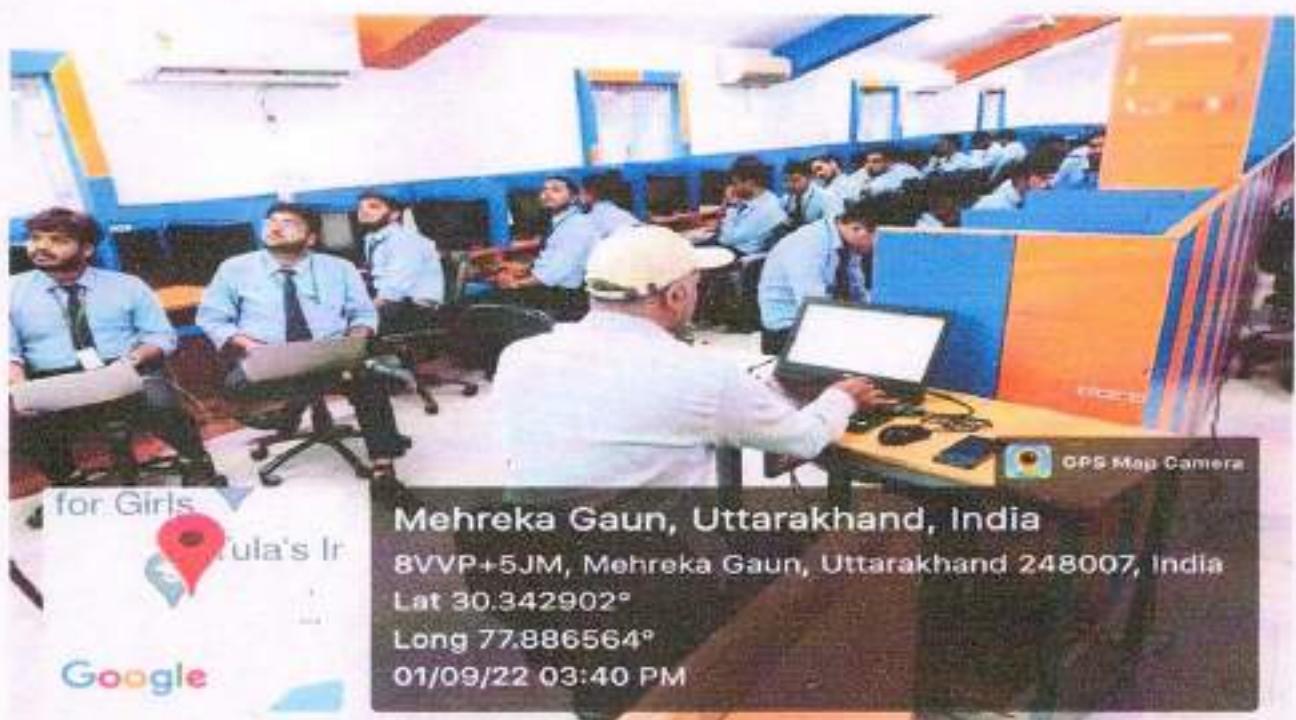


Figure 8: Short Term Certification Course on Deep Neural Network



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Certificate Number: STP/05/CSE/2022/039



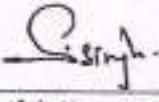
# CERTIFICATE *of Excellence*

SHORT TERM CERTIFICATION COURSE  
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
ALLAHABAD, PRAYAGRAJ

This is to certify that

Rukkit Mehm

Has completed 5 days hands-on short term course on  
DEEP NEURAL NETWORKS  
from 29th August - 2nd September, 2022

  
Dr. Satish Kumar Singh

Date: 02 September, 2022

  
Director  
Tula's Institute, Dehradun

**Short Term Course  
on “Industrial  
Robotics Design and  
Implementation”**

## Tula's Institute

### Research and Development Cell

#### One Week Workshop (24<sup>th</sup> – 29<sup>th</sup> March 2022) On Industrial Robotics Design and Implementation Conducted by SME Dehradun

One-week workshop on Industrial Robotics Design and Implementation was inaugurated at Tula's Institute, Dehradun (24/03/2022). Director (Prof. Sandip Vijay) gave the welcome address in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Dean Research and Development Dr. Sunil Semwal, R& D Coordinator Dr. Tripuresh Joshi, HOD ECE & EEE Dr. Diwaker Pant among others.

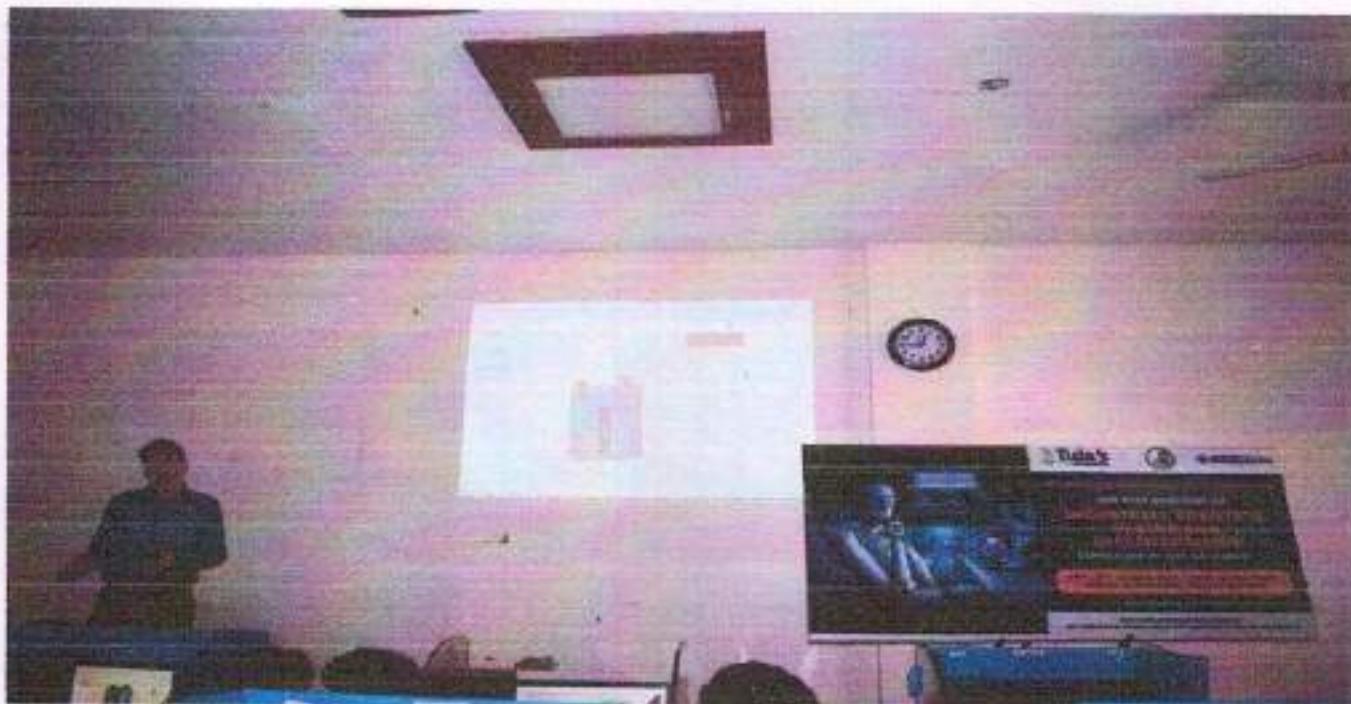
The workshop is being organised under the aegis of SME Dehradun organized by research and development cell of Tula's institute. Mr. Bhupendra Singh and team (SME, Dehradun) conducted the training sessions. Day one was focussed on introduction to robotics and embedded system, drivers and software installation, Led interfacing. Second day started with a DC motor interfacing, controlling speed of stepper motor, L293D IC and its need. Day three emphasis on work on IR sensors & types, controlling motors with IR sensor, designing of autonomous edge detector robot, and line follower robot. Day fourth started with introduction to IOT, cloud web dashboard and web mobile application of IOT. Last day focussed on designing of IOT controlled robot, controlling of robot direction through cloud. After attending, this one-week workshop student gets familiar with the latest trends of technology in designing of industrial robot and its implementation.



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Tula's Institute, Dehradun

**Tula's Institute**  
Research and Development Cell

**ONE WEEK WORKSHOP ON INDUSTRIAL ROBOTICS DESIGN AND IMPLEMENTATION**  
**PHOTOGRAPHS**



Industrial Robotics Design and Implementation LAB Photographs



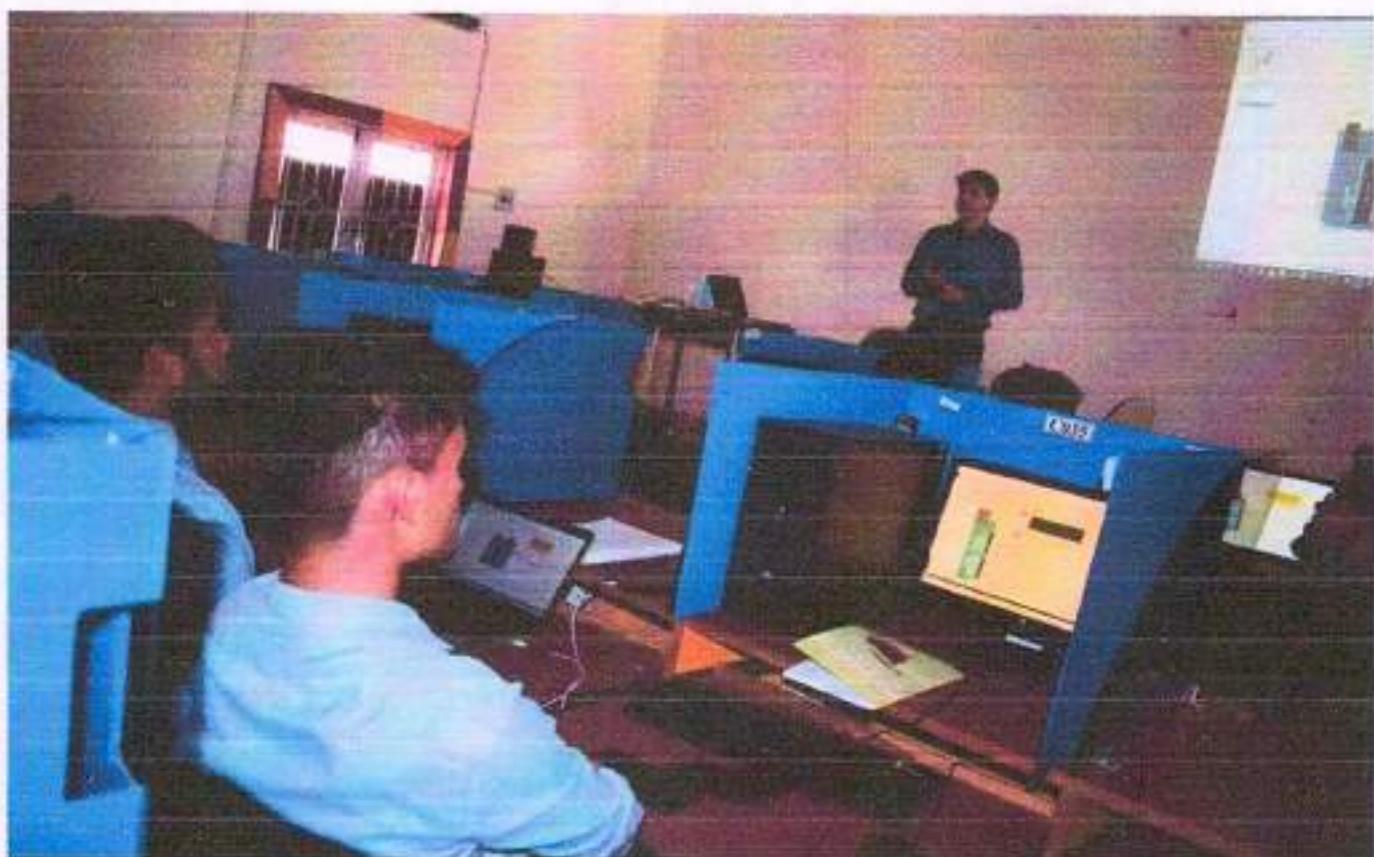
Industrial Robotics Design and Implementation LAB Photographs



**Industrial Robotics Design and Implementation LAB Photographs**



**Industrial Robotics Design and Implementation LAB Photographs**



**Industrial Robotics Design and Implementation LAB Photographs**



Director  
Tula's Institute, Dehradun



## CERTIFICATE

This is to certify that Mr/ Ms ..... Pulkit Mohan  
S/o / D/o ..... Pankaj Mohan Sharma has successfully completed his/her  
1 week workshop (24th-29th March 2022) on **Industrial Robotics  
Design And Development** successfully by our experts.

His/ Her performance is ..... Satisfactory ..... & we wish him/her for  
better career ahead.

**BHUPENDRA SINGH**  
Managing Director



**TRAINER**  
SME

Director  
Tula's Institute, Dehradun

**Short Term Course  
on “Internet of  
Things”**



TULA'S INSTITUTE, DEHRADUN

**ONE WEEK SHORT TERM COURSE ON  
INTERNET OF THINGS (IOT)  
SPONSORED BY AICTE-SPICES SCHEME  
ORGANIZED BY EMBEDDED CLUB**



One Week Short Term Course on  
**"INTERNET OF THINGS"**  
Sponsored By AICTE Under SPICES Scheme



For B.Tech ECE & EEE Students  
Organised by Embedded Club

Date: 6<sup>th</sup> Dec - 10<sup>th</sup> Dec, 2021 | Time: 9:40 am Onwards  
Venue: Tula's Institute, Dehradun

Coordinator:

Dr. Diwaker Pant (HOD, ECE/EEE Department)  
Contact: +91-8006904438

D.Tech | M.Tech | Polytechnic | BBA | MBA | B.Com Hons | BCA | MCA | HJMC | B.Sc. Agriculture  
[www.tulas.edu.in](http://www.tulas.edu.in) | +91-9366937159

One week short term course on 'Internet of Things' sponsored by AICTE-SPICES Scheme organized by Embedded Club

#### Internet of Things (IOT)

The Internet of things (IOT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals, or people that are provided with unique identifiers (UDIs) and the ability to transfer data over a network without requiring human-to-computer interactions.

Director

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## TULA'S INSTITUTE, DEHRADUN

### COURSE OBJECTIVE

- To understand fundamentals of IOT and embedded system including essence, basic design strategy and process modeling.
- To introduce students a set of advanced topics in embedded IOT and lead them to understand research in Embedded Systems.
- To understand fundamentals of security in IOT.
- To learn the implementation of secure infrastructure for IOT.
- Students will gain the knowledge of the interconnection and integration of the physical world and the cyber space.
- Students will be able to design & develop IOT devices.

### COURSE OUTCOME

- Students will be able to implement an architectural design of IOT for specific applications.
- Students will be able to understand the applications areas of IOT.
- Students will be able to realize the revolution of internet in mobile devices, cloud and sensor networks.
- Students will be able to understand building blocks of internet of things and characteristics.

A handwritten signature in black ink, appearing to read "S. K. Singh".

Director  
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## TULA'S INSTITUTE, DEHRADUN

### WORKSHOP DETAILS

The one-week short-term course on 'Internet of Things' was organized by Embedded Club and sponsored by AICTE-SPICES Scheme from 6<sup>th</sup> December to 10<sup>th</sup> December 2021. It was held at Lab-V (Computer Centre) in Tula's Institute. The workshop was started at 9:40 AM sharp with a warm welcome of workshop coordinator Dr. Diwaker Pant (HOD, ECE/EEE Department) and trainer Er. Ashok Kumar. It involved the participation of all the students of the ECE and EEE department from the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> year.

### DAY 1 (06 DECEMBER 2021)

The first day of the workshop was started with the introduction of an embedded system. What is an embedded system? Why do we learn an embedded system? The session was followed by some more important discussions on topics like microprocessor, microcontroller, and their classifications, the AVR family, their architecture, Timer/Counter, Interrupts, and UART. Trainer has given detailed information on these topics as it is going to play an important role in a further session. Students covered the topics on the basics of IOT, Introduction to Automation, What is the history of automation, Why do we need automation, How is it going to play an important role in human life, what are the traditional techniques and how day by day techniques are going to be more advanced? So, these are the topics that students covered on the first day of our workshop. Overall, it was a good day and students learned more about these things.

### DAY 2 (07 DECEMBER 2021)

The second day of the session was started with the Implementation of the microcontroller and its interfacing followed by the interfacing of different physical components like LED interfacing, seven-segment interfacing, motor interfacing, relay interfacing, serial communication, LCD interfacing, Different ICs interfacing like I2c Module, L239D IC, IC 4511, IC ULN 2003A, Sensor interfacing, and Ultrasonic interfaces. Students have done the physical simulation of all these devices. Under the guidance of Er. Ashok Sir, students came to know about the functionality of these devices. In order to simulate the components, students also completed the coding part on the Arduino software.

  
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## TULA'S INSTITUTE, DEHRADUN

### DAY 3 (08 DECEMBER 2021)

On the very next day, that means on the third day of the workshop students came to know about different IoT platforms and how we can perform our project on these platforms using NODEMCU. Firstly, Er. Ashok Kumar taught students some theoretical part of the content, and then students have started some practical work according to that and performed some projects with the help of Arduino. On third day, students received the whole kit of sensors, Arduino, LED, and other devices to perform physically. With the help of that kit, students performed various simulations using different sensors. So, basically the third day was the most important day for all the students because they physically interacted with some of the devices never seen. So it was an amazing experience for all the students to perform different project.

### DAY 4 (09 DECEMBER 2021)

Day fourth started with the action of simulation physically using Arduino and different sensors so students keep continuing to do this on our fourth day of the workshop. So they started the day with some awesome projects like home automation, alcohol and gas detection and distance measuring device and some other projects using different sensors. Students discussed some projects with the trainer. Students came to know about the pin configuration of different sensors, their work, their importance can be recognized. Afternoon session was followed by development of an android app with the help of MIT App inventor. Student created their own applications that recognizes their voice and translates it into text. Also, they learned to simulate their projects using the android app. It was a good day and a great learning experience for all the students.

### DAY 5 (10 DECEMBER 2021)

Day fifth concluded with applications of IOT in various fields. Students learned a lot of things about the course so that they can design architectural for IOT for specific requirement. They have completed some projects based on IOT. They learned to create Wi-Fi based model using NODEMCU. One week course of IOT is ended with a test and filling of feedback form by students. They also got to know how they can implement their idea in future.

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S.No	Course	Content
1.	"Embedded Systems & IoT Applications"	<p><b>DAY 1:</b></p> <p><b>INTRODUCTION TO EMBEDDED SYSTEM</b></p> <p>Classification of microprocessor &amp; microcontroller, introduction to embedded c, Introduction to embedded c, Introduction to AVR family, architecture explanation of AVR microcontrollers including GPIO, Timer/Counter, Interrupts, USART etc.</p> <p><b>INTRODUCTION TO IOT INTRODUCTION TO AUTOMATION</b></p> <p>Classification of Automation, History and Need of Automation, Traditional Techniques, Advancement in technique, Evolution of Automation</p>
2.		<p><b>DAY 2:</b></p> <p>Led interfacing, seven segment interfacing, motor interfacing, relay interfacing, LCD interfacing, Module, L239d IC, IC 4511, IC ULN 2003A, Sensor interfacing, and Ultrasonic interfacing.</p>
3.		<p><b>DAY 3:</b></p> <p>Introduction to various IOT platforms and hands on training at any popular IOT platform using NODEMCU, Thing Speak Server, Node MCU, I2E, 13E, Analog, Serial Communication.</p> <p><b>APPLICATION DEVELOPMENT</b></p> <p>Text to speech App development, including textbox, applying labels, Horizontal arrangements, vertical arrangements font size properties, Accelerometer sensor, if - else condition, do while condition, call statements, Bluetooth connectivity, Database connectivity, app development, and playing with real time database using Blynk app.</p>

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S.No	Course	Content
4.		<b>DAY 4:</b> <b>DATABASE CONNECTIVITY</b> Firebase console, tags, firebase URL, firebase token, real time database, database secrets, project Development, Hardware description, hands on work with kit (Video explanation).
5.		Blink program with digital pin, Analog Read, Analog Write, digital Read, digital write, delay, pin Mode, data types, setup, loop, conditions, statements, operators, blink app, serial monitor, virtual monitor, Common cathode and common anode, clock wise and anti-clockwise operations   blets, Horizontal arrangements, vertical arrangements font size properties, Accelerometer sensor, if -else condition, do while condition, call statements, Bluetooth connectivity, Database connectivity app development, playing with real time database, Using Blynk App., fan control using text message, lamp control using digital signal, speed control using analog signals, temperature sensor, automatic light/fan/device control, automatic room temperature control application, keypad using switches, pulse in, echo, trigger distance, duration, ultrasonic sensor, power supply, series and parallel connection, push pull resistor concept, power rail, ground rail, terminal mode, pick and drop libraries, adding components. <b>FINAL PROJECT IMPLEMENTATION</b> <b>REVISION &amp; QUIZ</b>



Department of Electronics  
Tula's Institute, Dehradun



TULA'S INSTITUTE, DEHRADUN

## EVENT PHOTOGRAPHS



GPS Map Camera

stitute



Google

Dhulkot Mafi, Uttarakhand, India

8VRP+RM2, Dhulkot Mafi, Uttarakhand 248007, India

Lat 30.342833°

Long 77.886372°

06/12/21 11:10 AM

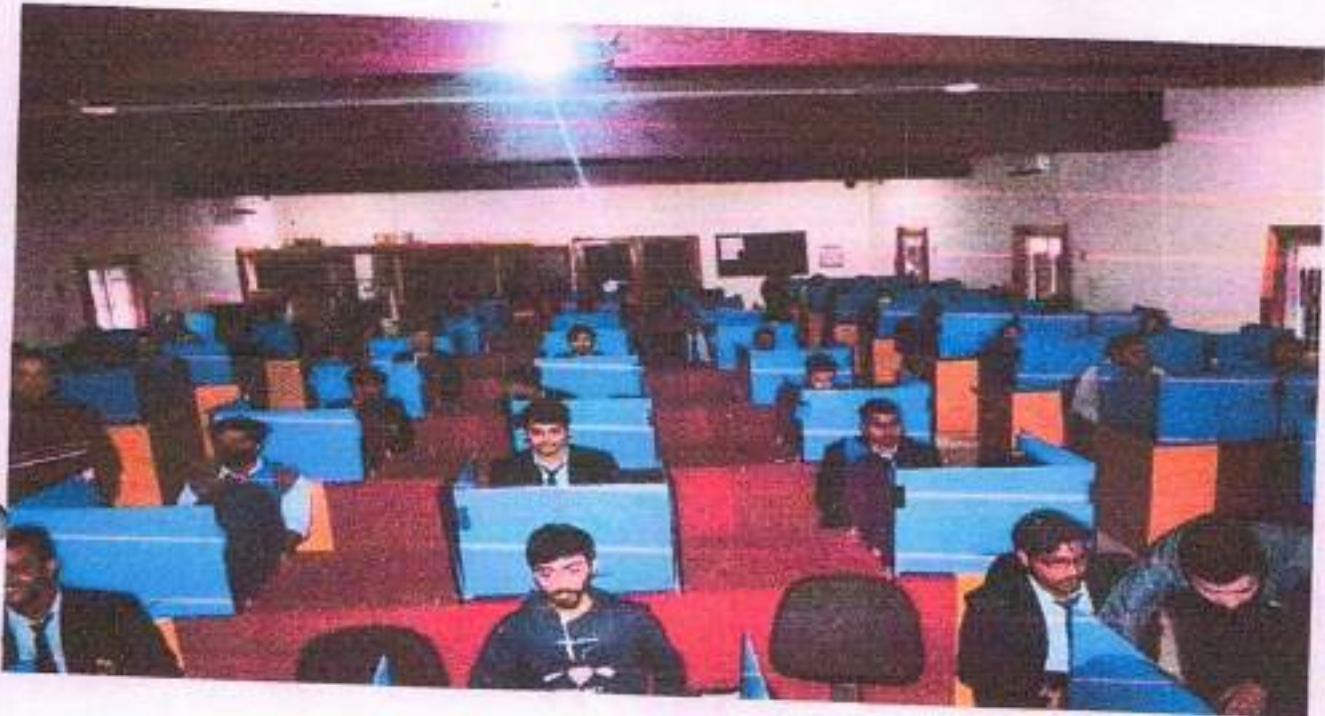
Training Session on Day 1 (6/12/2021)



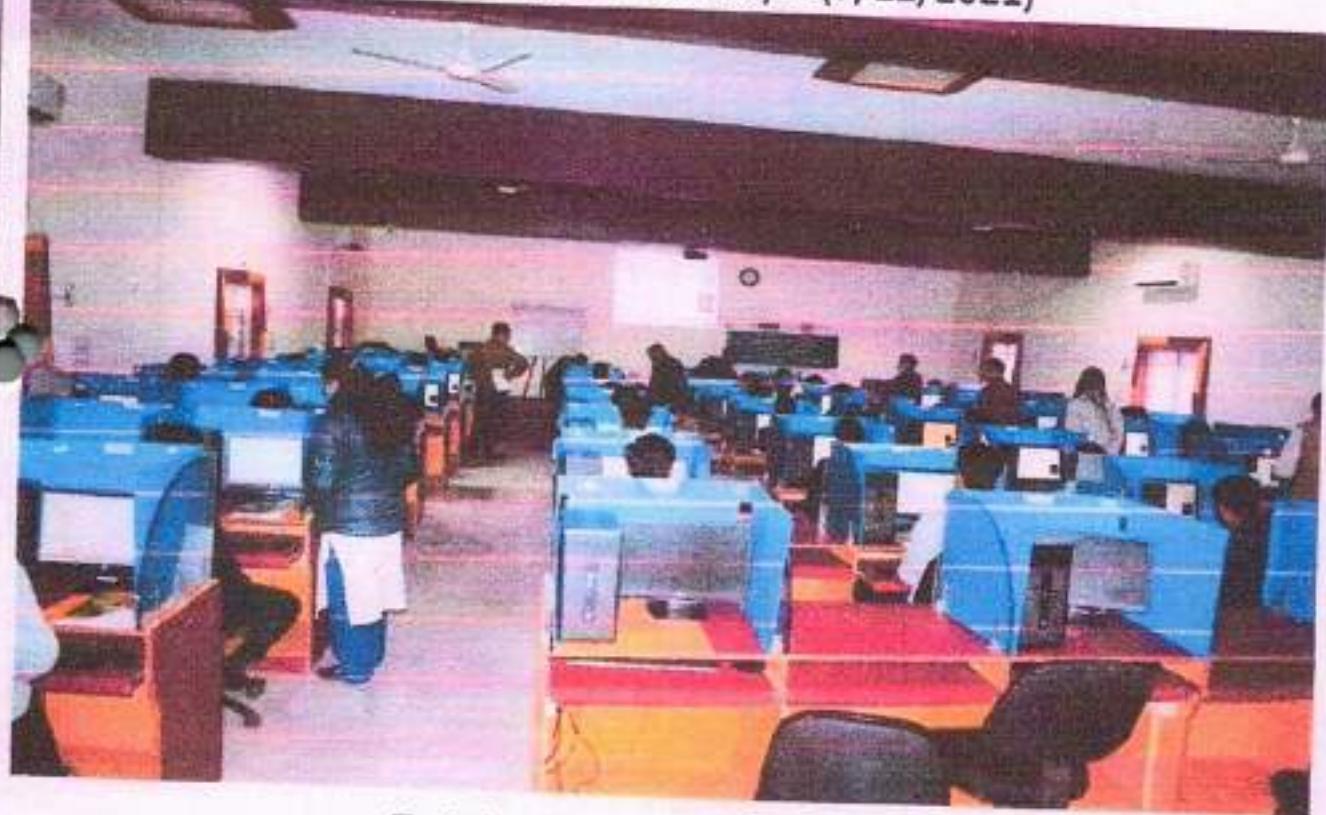
Director  
Tula's Institute, Dehradun



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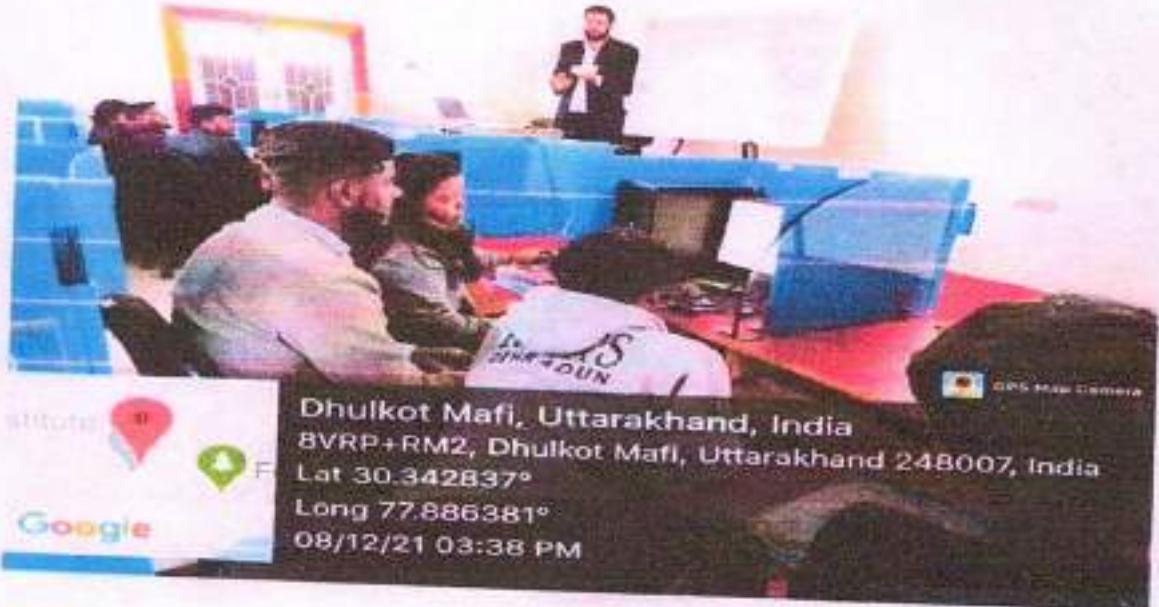


Training Session Day 2 (7/12/2021)



Training Session Day 3 (8/12/2021)

  
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Training session on day 3 (8/12/2021)

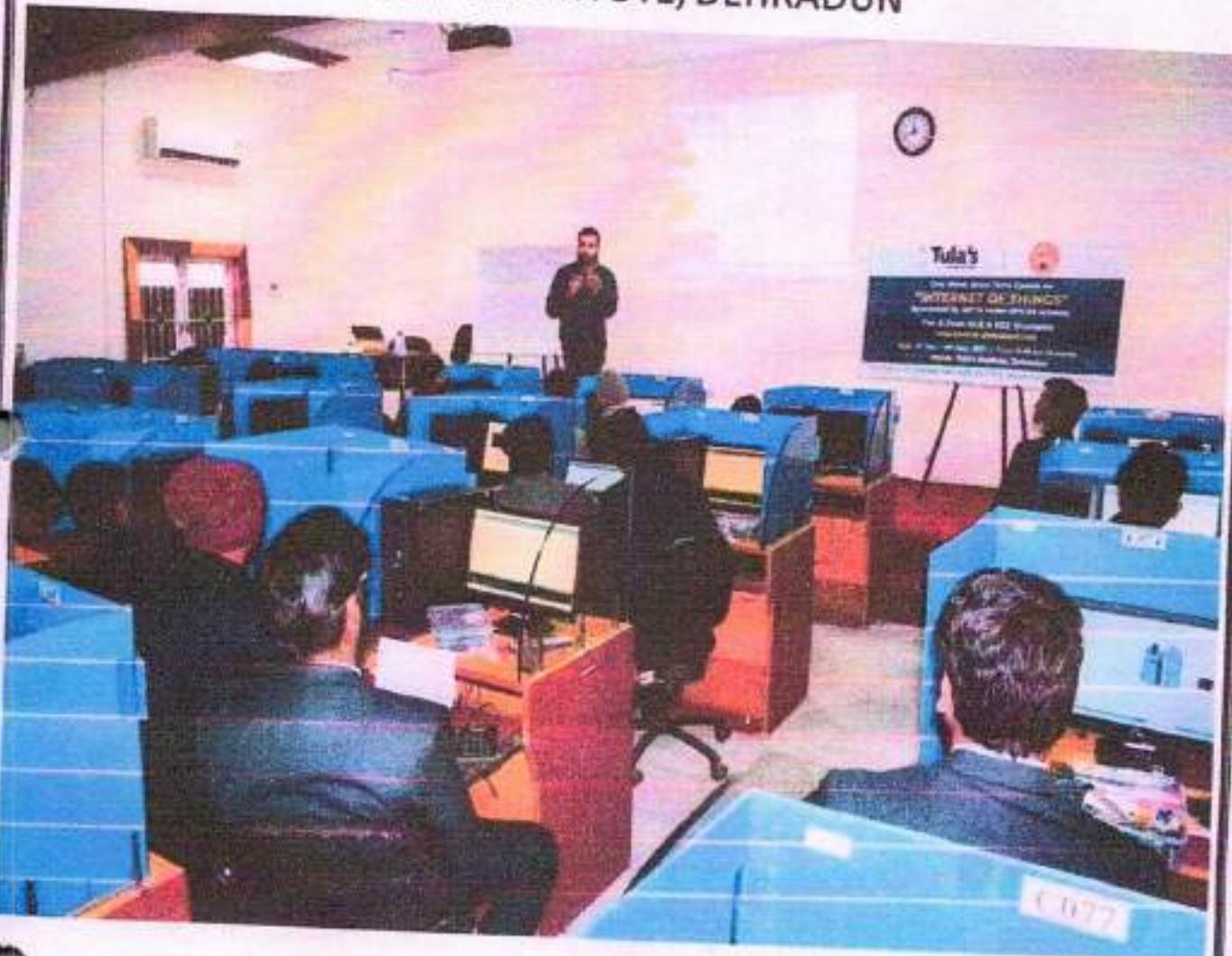


Training session on day 4 (9/12/2021)

  
Director  
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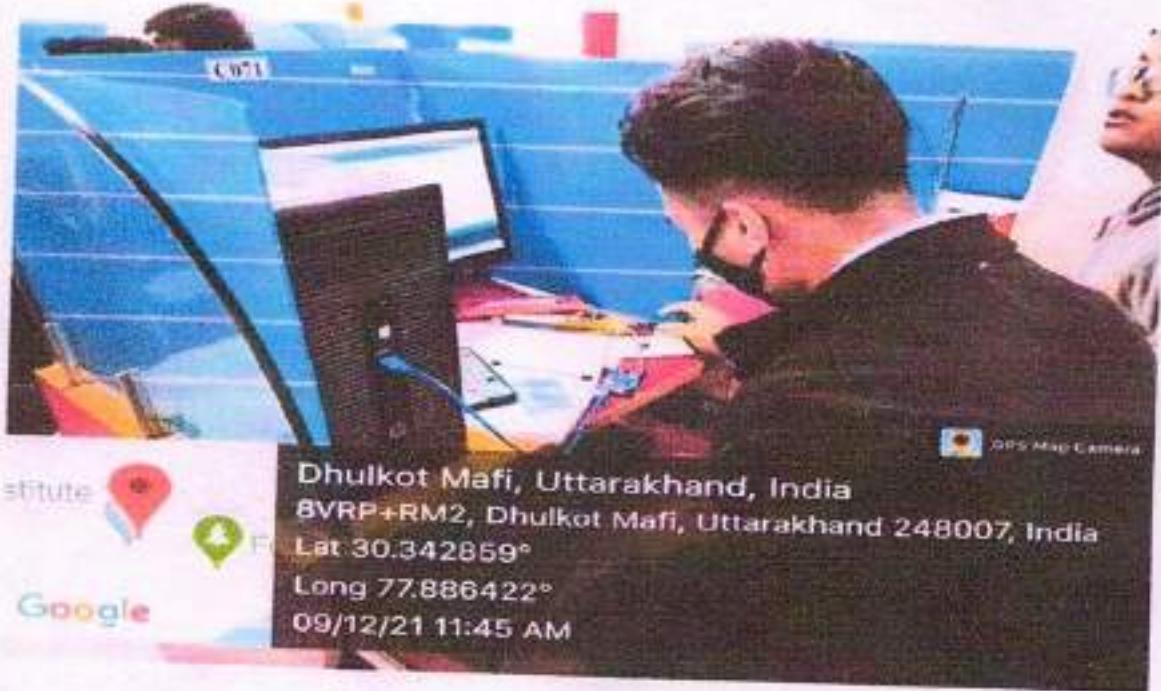


## TULA'S INSTITUTE, DEHRADUN

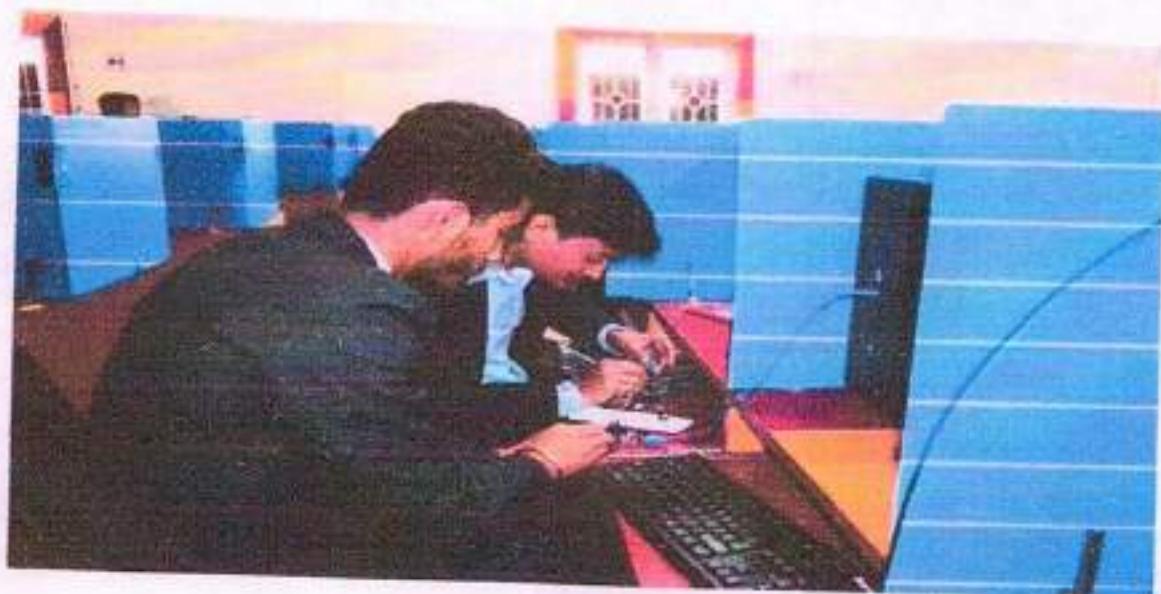


Hands on Session on Day 4 & 5 (9-10/12/2021)

  
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Tula's Institute, Dehradun

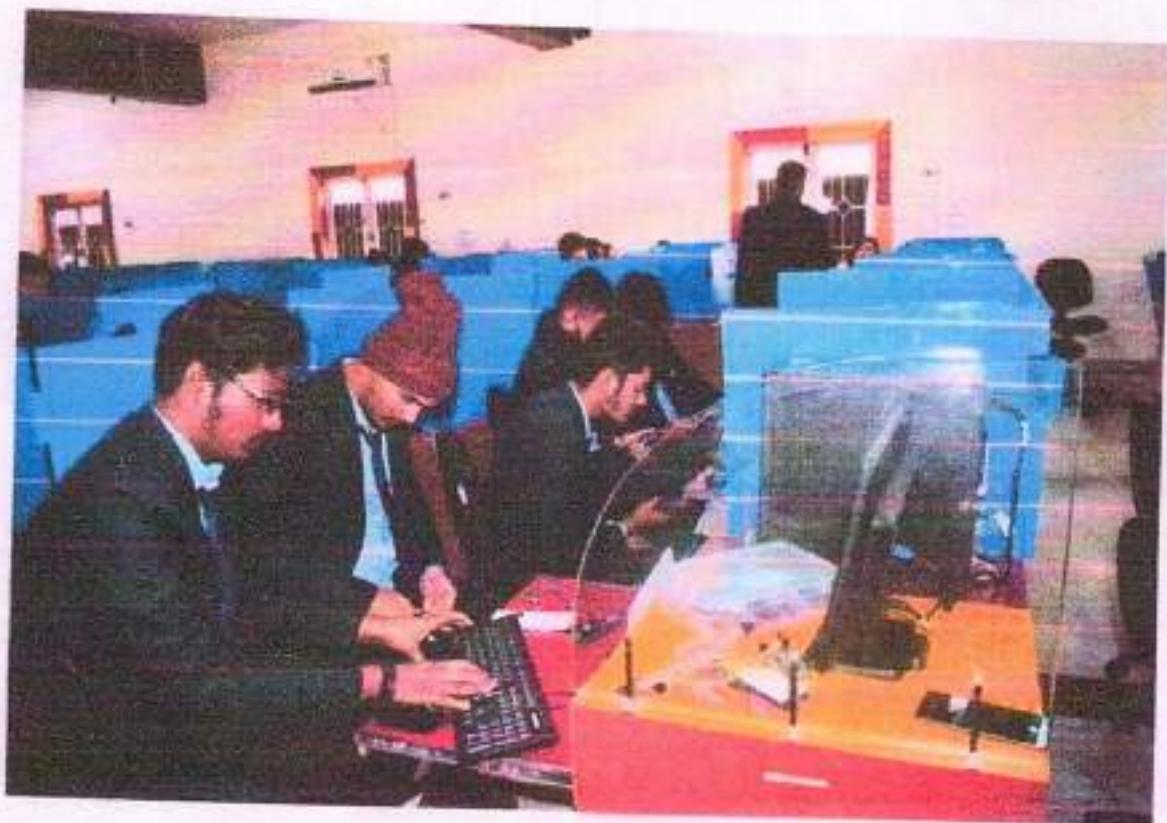


Training session on day 4 (9/12/2021)



Training session on day 5 (10/12/2021)

  
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Training session on day 5 (10/12/2021)

*(Dr. Dinesh Pandey)*

**HoD**

Department of E&C Engineering  
Tula's Institute, Dehradun

Director

Tula's Institute, Dehradun



## ENSINO RESEARCH AND DEVELOPMENT PRIVATE LIMITED

(Registered Under the 2013 Company Act of Ministry Of Corporate Affairs - Government of India)



# Certificate

Razoto  
Details  
Inside QR



Verify  
details  
from  
ensino.in

This is to certify that  
**RAZOTO VESWAH**  
has successfully participated in  
one week short term course on

"Internet of Things"

sponsored by AICTE under SPICES Scheme  
Organized by

Tula's Institute in association with Ensino R&D

from 6th Dec 2021 to 10th Dec 2021



Director (Ensino)

Reg. No.: U80900UR2018PTC009248

HOD-ECE/EEE (Tula's Institute)

ensino.in | info@ensino.in

Director (Tula's Institu

Certificate Number : ERD/D/21/0248

Director  
Tula's Institute, Dehradun

**15 Day's online Training  
Programme on Advances in  
Agripreneurship and Skill  
Development Reshaping  
Future of Indian  
Agriculture.**

# **Tula's Institute**

Department of Agriculture and Forestry

**15 Days International Online Training**

**"Advances in Agripreneurship and Skill Development for Reshaping Future of Indian Agriculture"**

(16<sup>th</sup> to 30<sup>th</sup> December, 2021)

## **Introduction:**

The 15 days training is organized by Agro Environmental Education & Farmers Welfare Society (A.E.E.F.W.S.) and Just Agriculture- The Magazine from 16<sup>th</sup> December to 30<sup>th</sup> December, 2021. Agro Environmental Education & Farmers Welfare Society (A.E.E.F.W.S.) was founded in 2021. It is an autonomous research and educational organization registered under Society Registration Act XXI of 1860 bearing the Registration No. 255 during 2020-21. It is a scientific and educational organization, working in the field of agriculture, environment and farmers welfare for sustainable development and provides a unique platform to the scientists, academicians, researchers and policy makers for exchanging their ideas, encouraging research and disseminating knowledge of Agro Environment in the society. The India's most rising Agriculture magazine- JUST AGRICULTURE with more than 98000 readers in India. The magazine was started in Sep, 2020 with an objective of Bridging the Knowledge Gap between Farmers and Scientists & Transformed youths transforming farming. JUST AGRICULTURE-magazine (e-ISSN: 2582- 9149) is an open access peer reviewed e-MAGAZINE. The MAGAZINE is providing a platform to all the researchers, students, scholars and scientists to share their ideas about latest innovative topics

## **Objective:**

- Understand the concept of Agripreneurship and skill development.
- Get familiar with the support ecosystem available for Agripreneurs.
- Nurture potential young Agripreneurs through training from International Top Business Experts by providing practical, technical, and business insights.
- Create and encourage a healthy pipeline of Agripreneurs and incubators.
- Understand the available agripreneurial opportunities in various sectors of agriculture and allied sciences.
- Actively participate in the program to gain important skills and get motivated from success journeys of young entrepreneurs

## **Overview:**

In the attempt to gain knowledge students of Tula's Institute attended the 15 days online training programme. It helped the trainees to understand how entrepreneurial skills can foster their career and personal development. Trainees also gained an idea about the enabling environment & institutional support for Agripreneurship which will enable them to understand and decipher the total spectrum of entrepreneurship development process in the agriculture and allied sectors. Through the training, participants acquired experiential

learning of development of enterprises in agriculture sector. They will also get acquired with the process of creating favourable conditions for scaling up and involvement of Micro & Small Enterprises in agricultural management and development. Trainees will also be able to effectively prepare and present business plan for their novel and innovative future initiatives.

**Major Focus area:**

1. Scope and prospects of Agripreneurship for rural youth in agriculture.
2. Financial Business Management and Regulatory Compliances for Agripreneurs.
3. Government Incubation Schemes & Support Ecosystem for Agripreneurship
4. Start-up Guide: How to build a start-up from Scratch.
5. Agricultural Supply Chain and Logistics Management.
6. Mushroom cultivation, Hydroponics, vermicomposting and Artificial Intelligence.
7. Entrepreneurship Opportunities in Apiculture, Sericulture and Lac Culture.
8. IoT, ICT and AI in Agriculture.
9. Post-Harvest technology and Food Processing Industry.
10. Sustainable Crop Production & Organic Farming.
11. Seaweed based product for Sustainable Agriculture.
12. Renewable Energy for Farmers.
13. Economic Impact of Nuclear Agricultural Research, Etc.

**Outcome:**

- To have an exposure in Agripreneurship and recent technologies in Agriculture
- Student learns about the Post-Harvest technology, Food Processing, Apiculture, Sericulture and Lac culture.
- To learn about the sustainable crop production and renewable Energy.
- To Learn Hydroponics and Aquaculture techniques.
- To gain Knowledge for business start-ups and government schemes.
- To learn about business opportunities in the sector of mushroom cultivation and vermicompost.



Director  
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**NAHEP**



This is to certify that

**Shubham Kumar Khushwaha**

***Tula's Institute, Dehradun***

from

Successfully attended the **15 Days International Online Training cum Workshop**  
organized by **AEEFWS** (Agro Environmental Education and Farmer's Welfare Society, Punjab) and  
**Just Agriculture-Magazine** during **16<sup>th</sup> - 30<sup>th</sup> Dec, 2021**.

**AGRICULTURE 2.0- A NEXT LEVEL APPROACH TOWARDS SUSTAINABILITY, SMART FARMING & AGRI-INNOVATION.**

This training program consisted topics viz., **Mushroom Cultivation, Vermicomposting, Hydroponics, Aquaponics, Saffron Cultivation, FPOs & Agri-Incubation Scheme's, Drone Tech. & Artificial Intelligence, Apiculture, Sericulture.**

Dr. N.S. Rathore  
VC, MPUAT, UDAIPUR

Dr. Gopal U. Shinde  
PI, NAHEP-DFSRDA-ICAR

Dr. Santosh J. Gahukar  
CEO, AIC for Maharashtra  
(Dr. PDKV, Akola)

D.P.S. BADWAL  
Organizing Director  
(President, AEEFWS)

Nehit Bharadwaj  
Program Director  
(Gen. Secretary, AEEFWS)

AEEFWS/T/265

Director  
*Tula's Institute, Dehradun*

**Annexure - VII**

**IIT BOMBAY  
SPOKEN  
TUTORIAL Short  
Term Course on  
LaTex.**

**Event:** Latex Course By IIT-Bombay Spoken Tutorial

**Organized by:** Department of Applied Sciences

**Objective:** The main motive is to impart the knowledge and understanding about LaTeX system, explain the procedure of LaTeX typesetting and familiarize the participants with various document formats of LaTeX and enable them to prepare research articles, thesis, books, and presentations with confidence. The broad objectives of the course are:

- To understand LaTeX, a document preparation system for high - quality typesetting.
- To understand features of LaTeX.
- To have hands on experience to become a user of LaTeX.

**Summary:-** The LaTeX course was organized by Department of Applied Sciences in collaboration with IIT Bombay Spoken Tutorial. Total 93 students participated in this course. LaTeX, a document preparation system, is widely used for publishing in many scientific fields like mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, etc. It is a powerful and open-source system that provides numerous facilities for automating typesetting of the document: i.e. structuring page layout, listing and auto-numbering of sections, tables, figures, generating a table of contents, managing cross-referencing, citing, and indexing.

In the course students learnt the following Topics-They learned about Installation of LaTeX, Letter Writing (Compiling, Letter Writing), Report Writing, Mathematical Equations (Compiling, Mathematical Typesetting, Equations, Update), Tables and Figures (Compiling, Tables and Figures, Update), Beamer (Compiling, Mathematical Typesetting, Equations, Tables and Figures, Update, Beamer), References (Compiling, Report Writing, Bibliography, Inside story of Bibliography, Update).

**Outcome:-** Students will be able to learn:

- Typesetting of complex mathematical formulae using LaTeX.
- Use tabular and array environments within LaTeX.
- Use various methods to either create or import graphics into a LaTeX document.
- Typesetting of journal articles, technical reports, thesis, books, and slide presentations.
- Automatic generation of table of contents, bibliographies and indexes.



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Spoken Tutorial  
Project at  
IIT Bombay

## Certificate for Completion of LaTeX Training

This is to certify that HARSHIT JOSHI has successfully completed LaTeX test organized at TULA'S Institute the Engineering and Management college, Dehradun by Tanuja Uniyal with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Tanuja Uniyal Sati from TULA'S Institute the Engineering and Management college, Dehradun invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

May 26th 2022

Prof. Kannan M Moudgalay  
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT,  
Ministry of Education (previously MHRD), Govt. of India

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**Annexure - VIII**

**Short Term Course on  
“TALLY & Stock Markets”**

**Event:** "5 days short term course on TALLY & Stock Markets" for B.Com (Hons.) Student.

**Date:** 07/June/2022 to 11/June/2022

**Organized by:** Graduate School of Business

**Objective:** The main objective of workshop is

- To gain insight about Tally & Stock markets.
- To impart knowledge regarding concepts of financial accounting.
- To learn how to maintain accounts.
- To impart theoretical and practical information about stock market.

**Summary:** The short term course was organized by Graduate School of Business in collaboration with IIT Kanpur. All B.Com (Hons.) student's participated in this workshop. Course started with the basic fundamentals of Tally with practical hands on training. Trainer discussed about the Fundamentals of Accounting, Maintaining Chart of Accounts in Tally ERP, Maintaining Stock Keeping Units and Recording Day-to-Day Transactions in Tally ERP 9. In Stock markets Session trainer provided stock market basics and practical application, to create a powerful knowledge bank on various tools and techniques that required to understand the functioning of capital markets. He provided a basic insight of financial jargons like financial markets, Capital markets Technical analysis, Derivatives, Financial Planning.

**Outcomes:**

- To enter the accounting transactions in computerized format and find the financial result of a concern.
- To acquire the skill of financial decision making in a systemized manner.
- To interpret financial statements as well as evaluation of stock at the end.
- To understand the vocabulary and grammar of a trading floor
- To experience the interactions between traders, sales, clients, brokers
- To realize in a personal and lively way what it requires to be a trader, a sales, and a structure.
- To identify Risk Management issues related to market positions



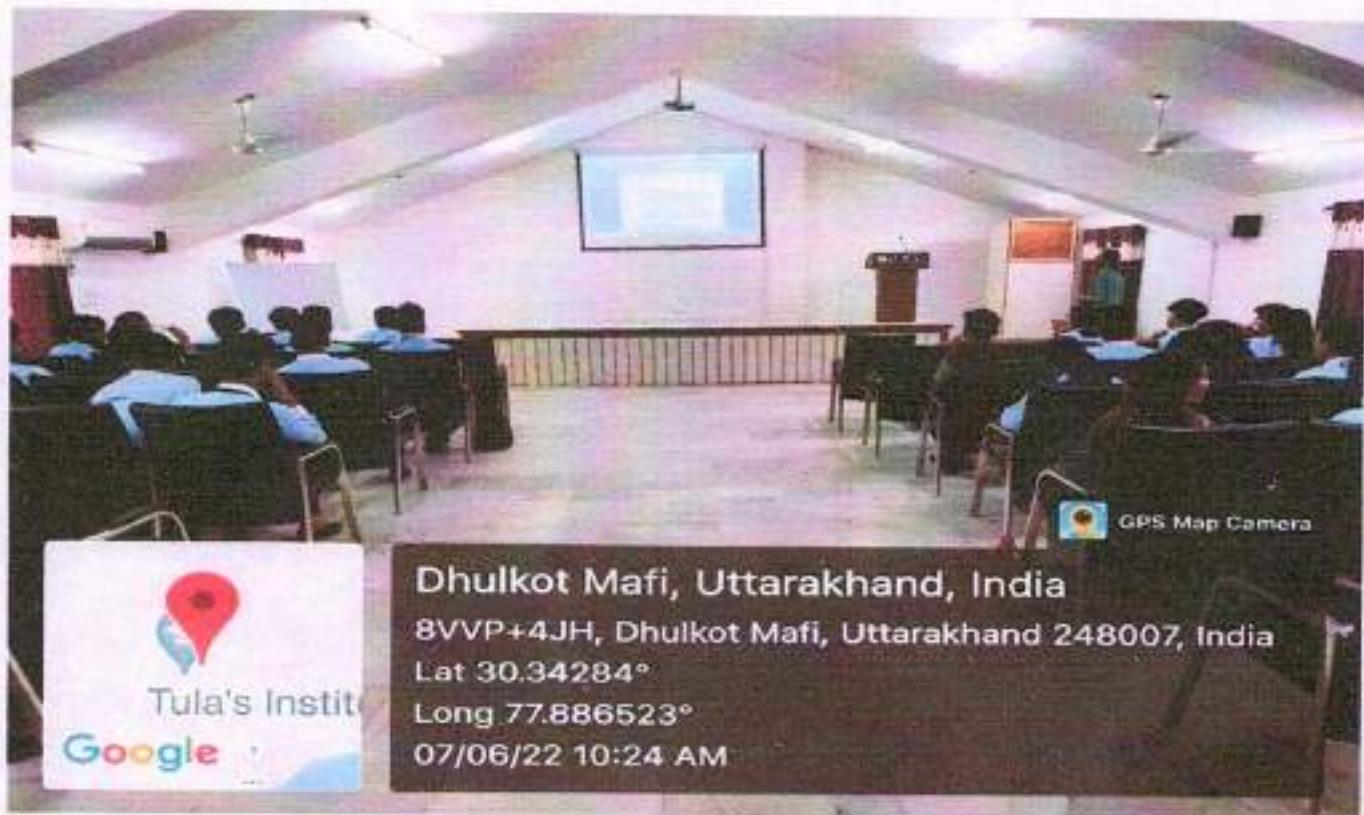
Director

Tula's Institute, Dehradun

### **SHORT TERM COURSE ON TALLY & STOCK MARKETS PHOTOGRAPHS**



**Tally & Stock Markets Lab Photographs**

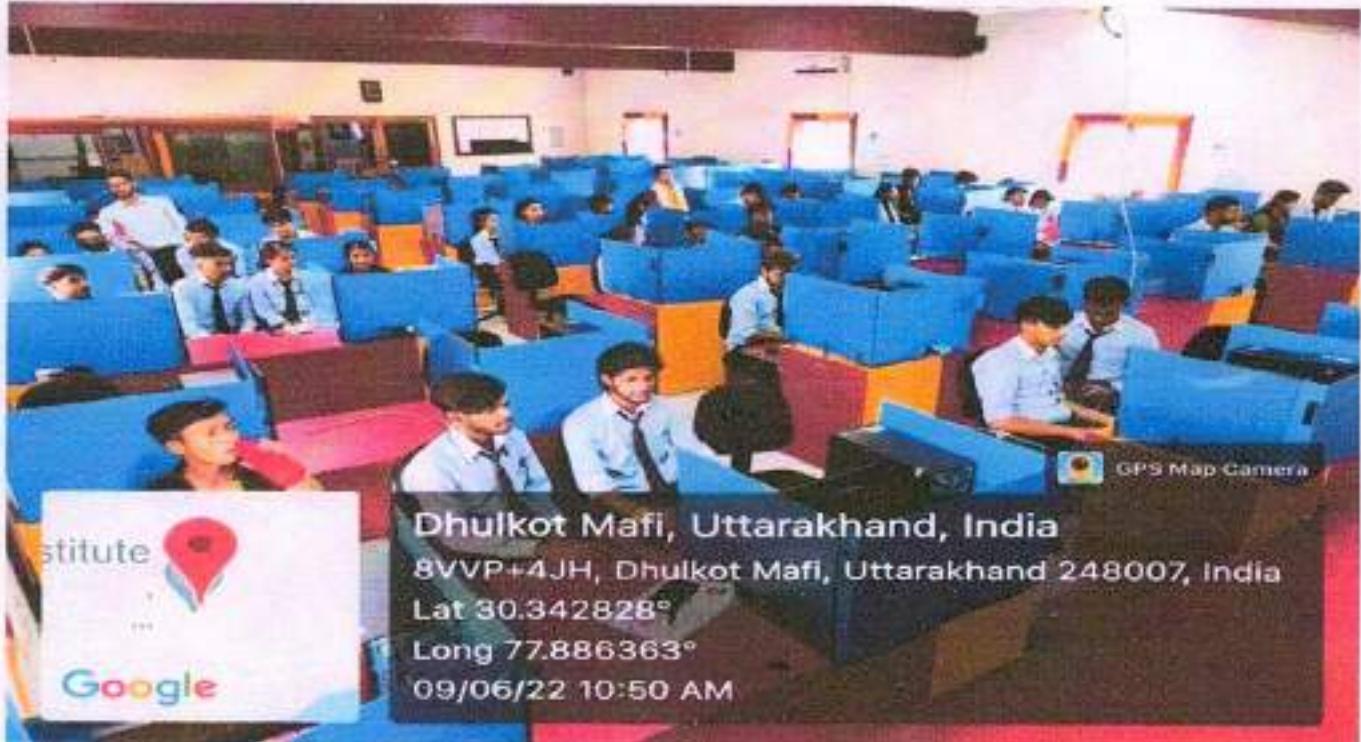


**Tally & Stock Markets Lab Photographs**

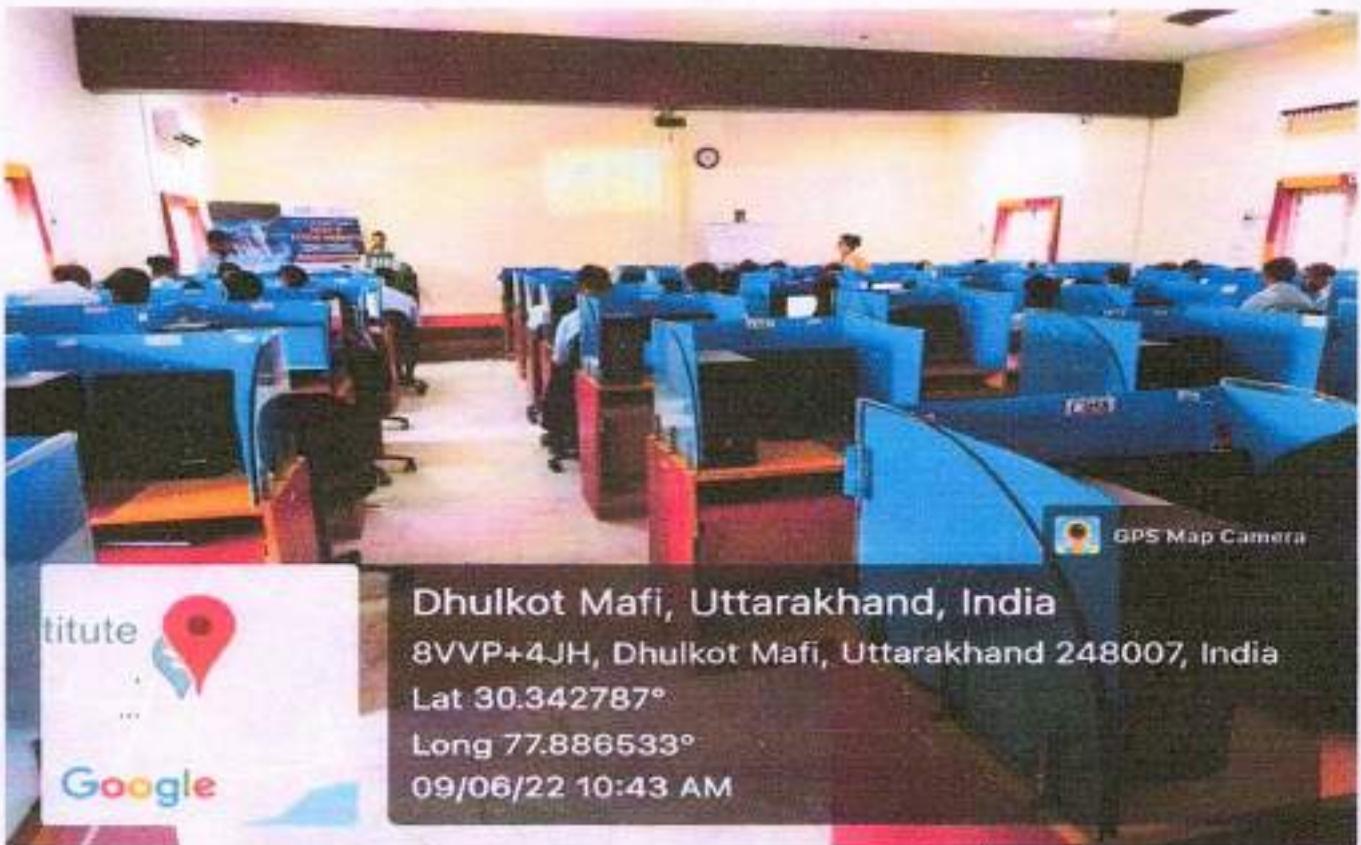
*Director*  
*Tula's Institute, Dehradun*

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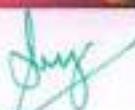
## Graduate School of Business



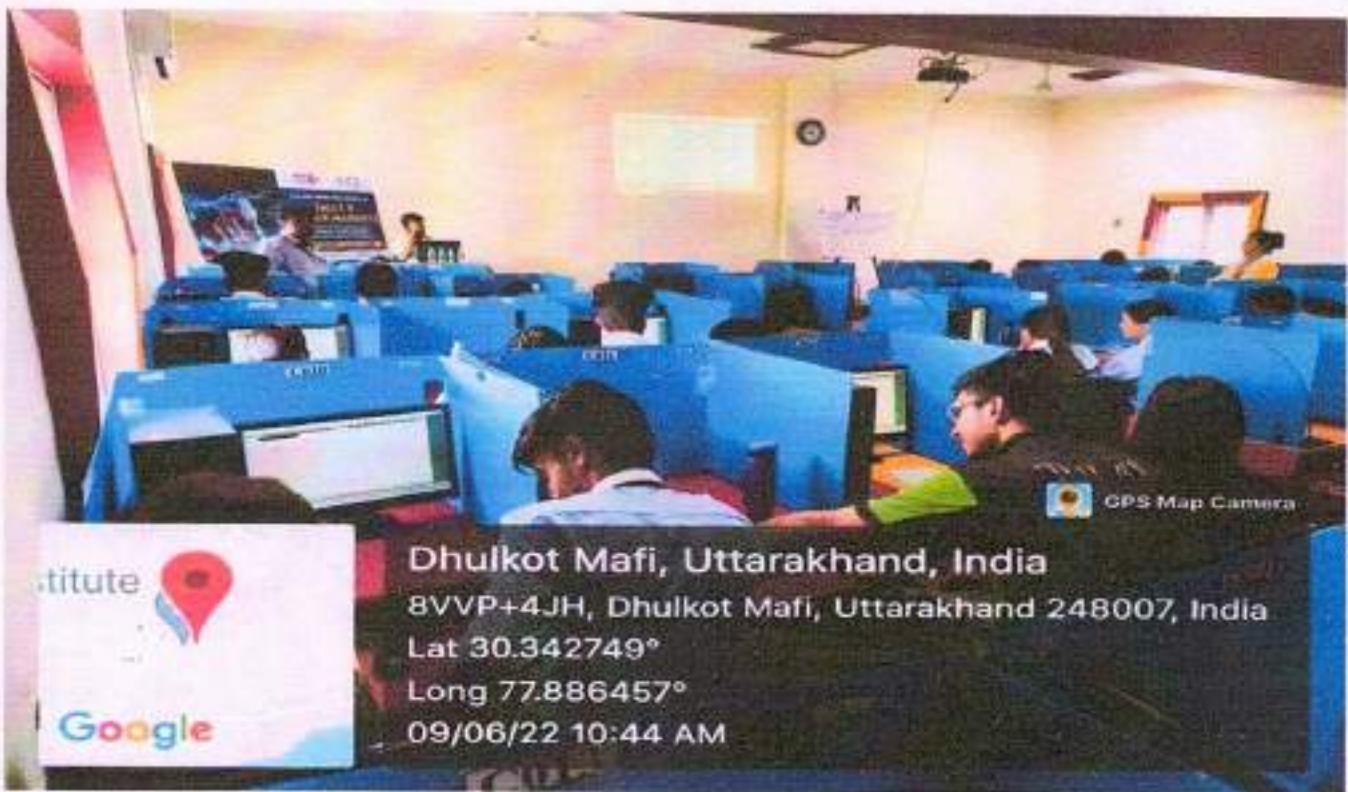
Tally & Stock Markets Lab Photographs



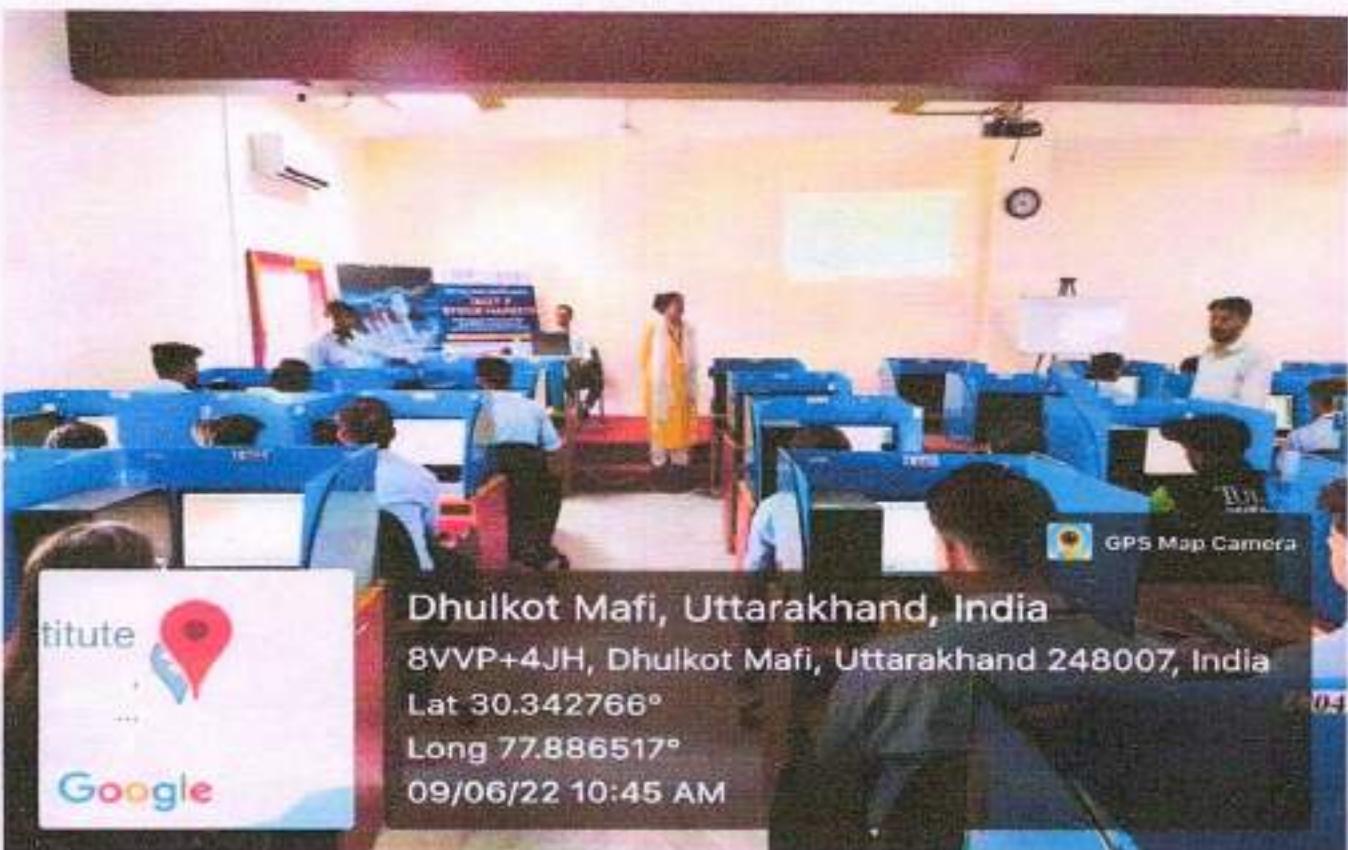
Tally & Stock Markets Lab Photographs



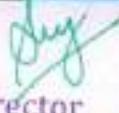
**Director**  
**Tula's Institute, Dehradun**



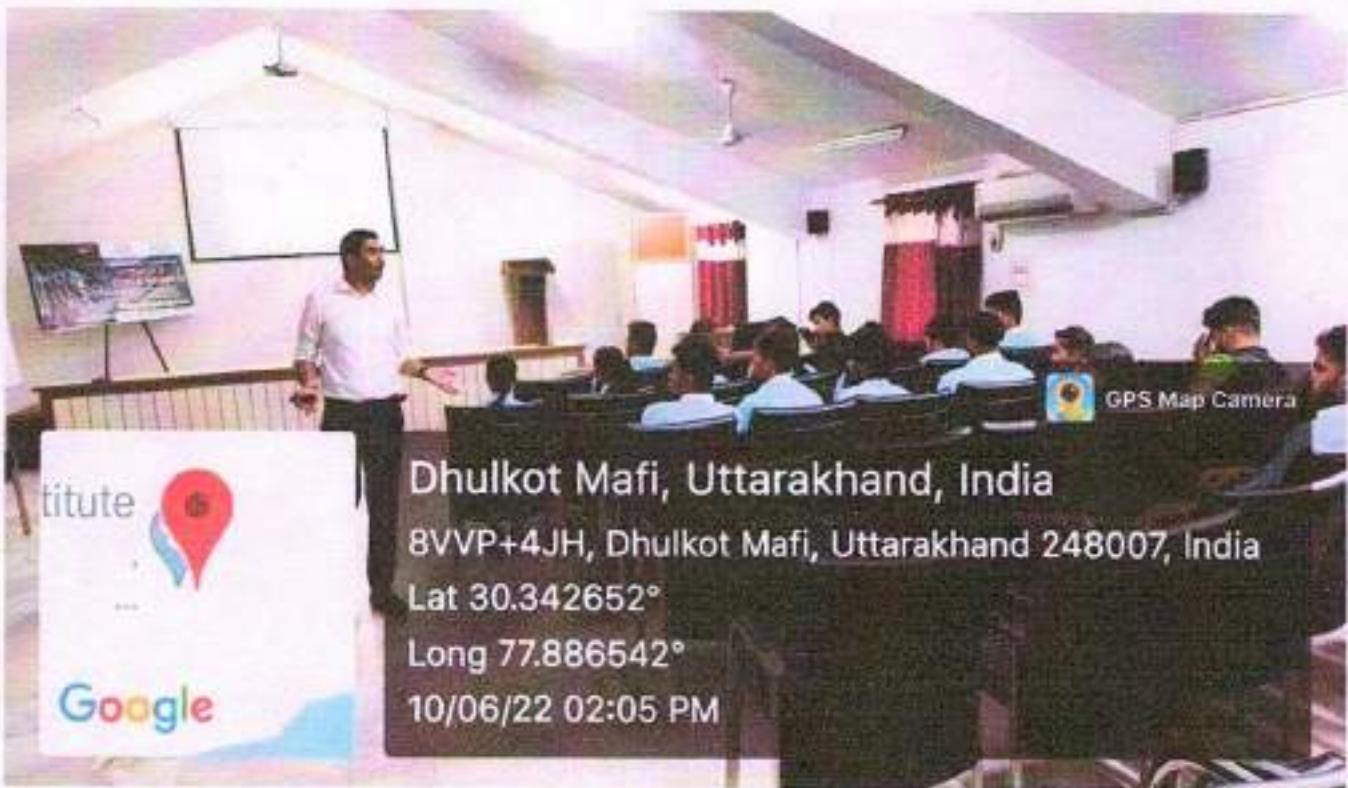
**Tally & Stock Markets Lab Photographs**



**Tally & Stock Markets Lab Photographs**

  
 Director  
 Tula's Institute, Dehradun

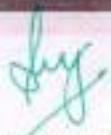
## Tula's Institute Graduate School of Business



**Tally & Stock Markets Lab Photographs**



**Tally & Stock Markets Group Photographs**

  
**Director**  
 Tula's Institute, Dehradun



## E & ICT Academy, IIT Kanpur (A joint initiative of MeitY & IIT Kanpur)

### Certificate

This is to certify that

Dr. / Mr. / Ms. Kavita Bisht of

Tula's Institute, Dehradun

has completed the **Student Development Program** on

**Tally & Stock Market**

from 07-06-2022 to 11-06-2022

Prof B. V. Phani

Prof Amey Karkare

Chief Investigator E & ICT Academy, IIT Kanpur

Date of Issue: 31-07-2022

System Identification No.: 448-7115



Director  
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# **Short Term Course on “Fabrication of Voice -Controlled Robot”**

**Event:** 5-day short-term course on “Fabrication of Voice-Controlled Robot”

**Date:** 05/April/2022 to 09/April/2022

**Organized by:** Research & Development Cell

**Objective:** The main objective of this short-term course

- To educate participants about the principles, techniques, and applications of voice-controlled robotics.
- To provide hands-on experience and theoretical knowledge
- To understand the intersection of voice recognition technology and robotics.

**Introduction:** The 5-day short-term course on Voice Control & Robotics was designed to introduce students to the fascinating world of voice-controlled robotics technology. The course aimed to provide participants with a hands-on learning experience and practical skills in developing voice-controlled robotic systems. It offered a unique opportunity for students to explore the integration of voice recognition and artificial intelligence in robotics applications.

**Day 1: Introduction to Voice Control & Robotics** The first day of the course began with an overview of voice control and its applications in robotics. Students learned about the evolution of voice recognition technology and its impact on modern robotics systems. The session highlighted the potential benefits and challenges of using voice control in various fields, from home automation to industrial automation.

**Day 2: Basics of Natural Language Processing (NLP)** Day 2 focused on the fundamentals of natural language processing (NLP). Students were introduced to NLP techniques used in voice recognition, including speech-to-text

conversion, language understanding, and sentiment analysis. They also gained hands-on experience with popular NLP tools and libraries.

**Day 3: Voice Control System Development** On the third day, participants dived into the practical aspects of building voice control systems for robotics. They were provided with step-by-step guidance on creating voice-controlled prototypes. Working in teams, students programmed robots to respond to voice commands and interact with their environment.

**Day 4: Voice Control in Real-World Applications** Day 4 explored real-world applications of voice control in robotics. Students were exposed to cutting-edge research and case studies in sectors such as healthcare, autonomous vehicles, and smart cities. The session also emphasized the importance of ethical considerations in the development and deployment of voice-controlled robots.

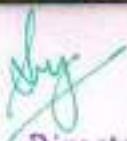
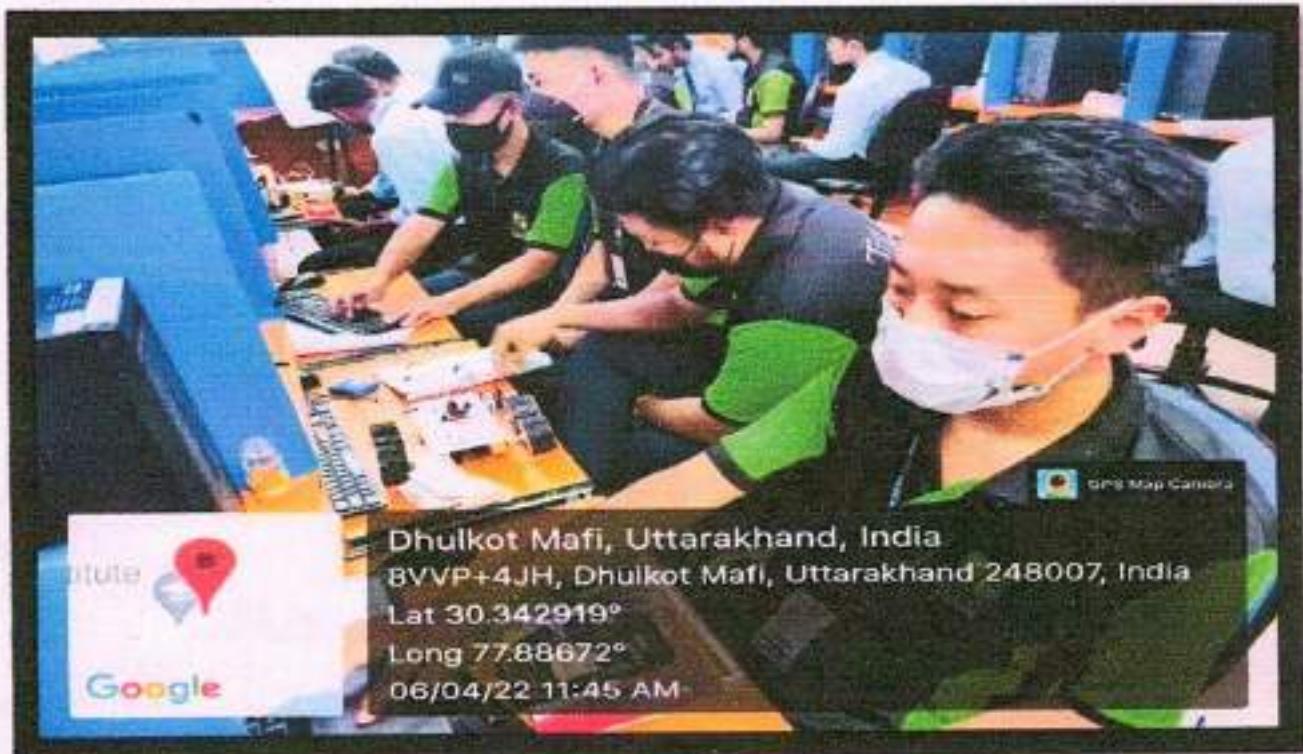
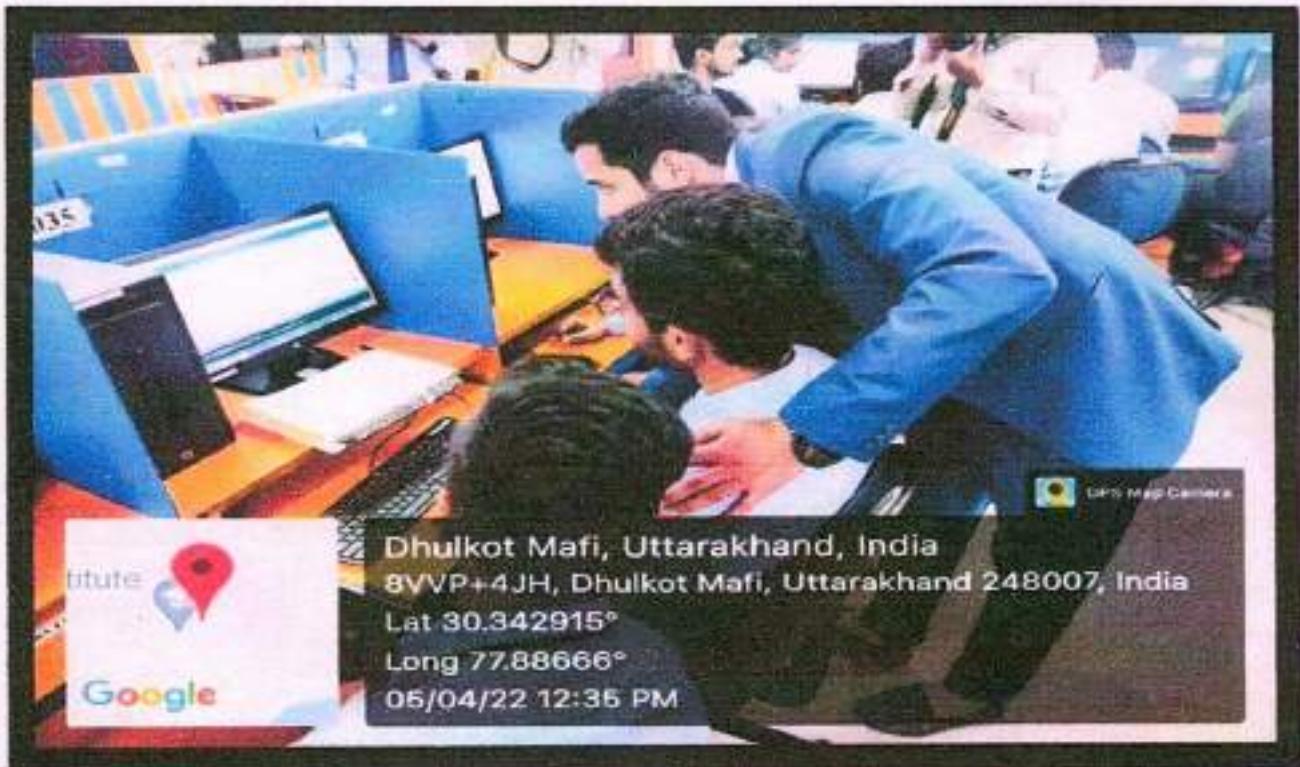
**Day 5: Project Showcase and Conclusion** The final day featured project presentations by the students. Each team demonstrated their voice-controlled robotic systems and shared their learning experiences. They showcased their robots' capabilities and discussed the challenges they encountered during the development process. The course concluded with a closing ceremony, where students received certificates of participation.

**Outcomes and Impact:** The 5-day short-term course on Voice Control & Robotics proved to be highly beneficial for the students. They gained practical knowledge and hands-on experience in voice recognition technology and its applications in robotics. The course sparked interest and enthusiasm among the participants, encouraging them to explore further research and innovation in this domain.



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**EVENT PHOTOGRAPHS**



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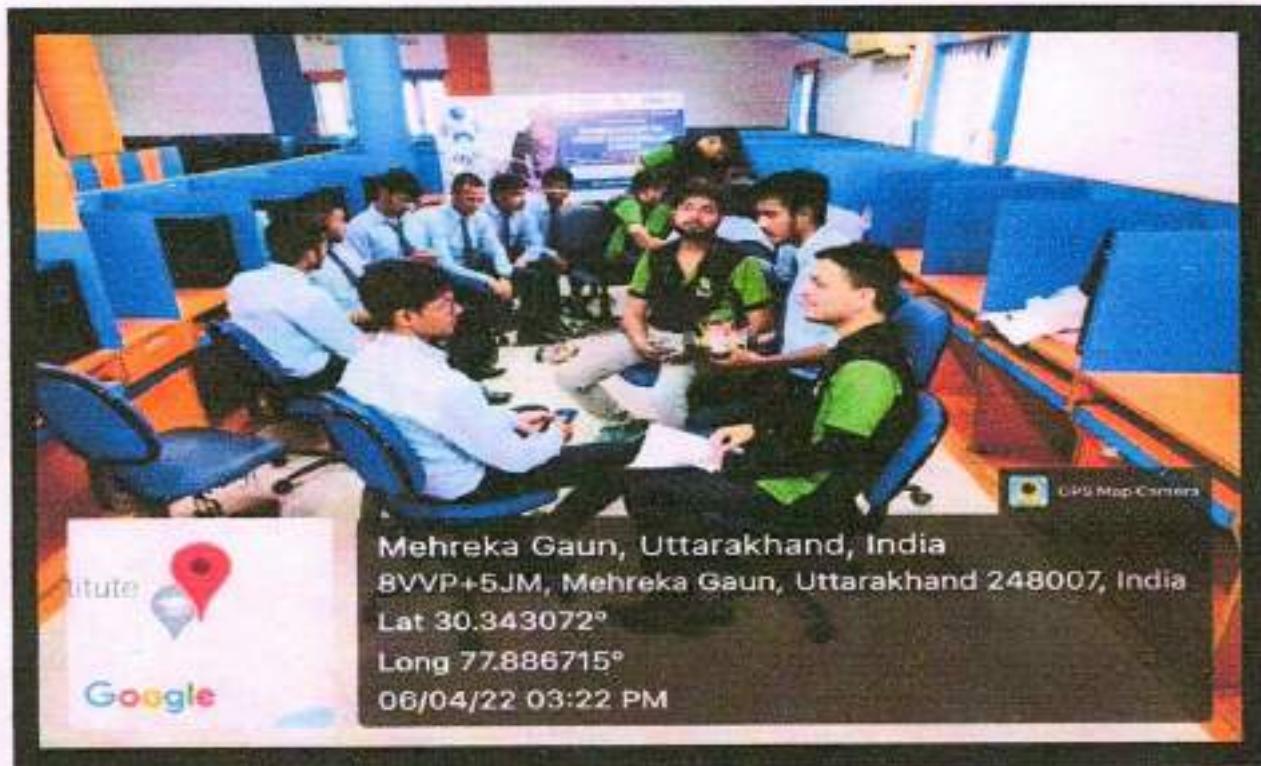
## Research & Development Cell




Director  
Tula's Institute, Dehradun

# Tula's Institute

## Research & Development Cell




Director  
 Tula's Institute, Dehradun

# **Short Term Course on “Introduction to Data Science and Analytics”**

**Event:** 5 days short term course on "Introduction to Data Science and Analytics" for MBA Students.

**Date:** 17/May/2022 to 21/May/2022

**Organized by:** Graduate School of Business

**Objective:** The main objective of short-term course is

- To gain insight about Data Science.
- To familiarize the students about the deep understanding of Data Science and make them proficient in data analysis. The main objective was to equip students in data management and extracting meaningful information and insights by applying various techniques and scientific methods on structured and unstructured data.

**Summary:** The Short-term course was organized by Graduate School of Business in collaboration with Brillica Services. MBA students participated in this workshop. Trainer started the session with the basic fundamentals of Data Science and introduced students to various mathematical and statistical tools used in data science and how to draw inference using data analytics. Students explored the world of data science and analytics and learned about its application in modern business world.

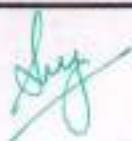
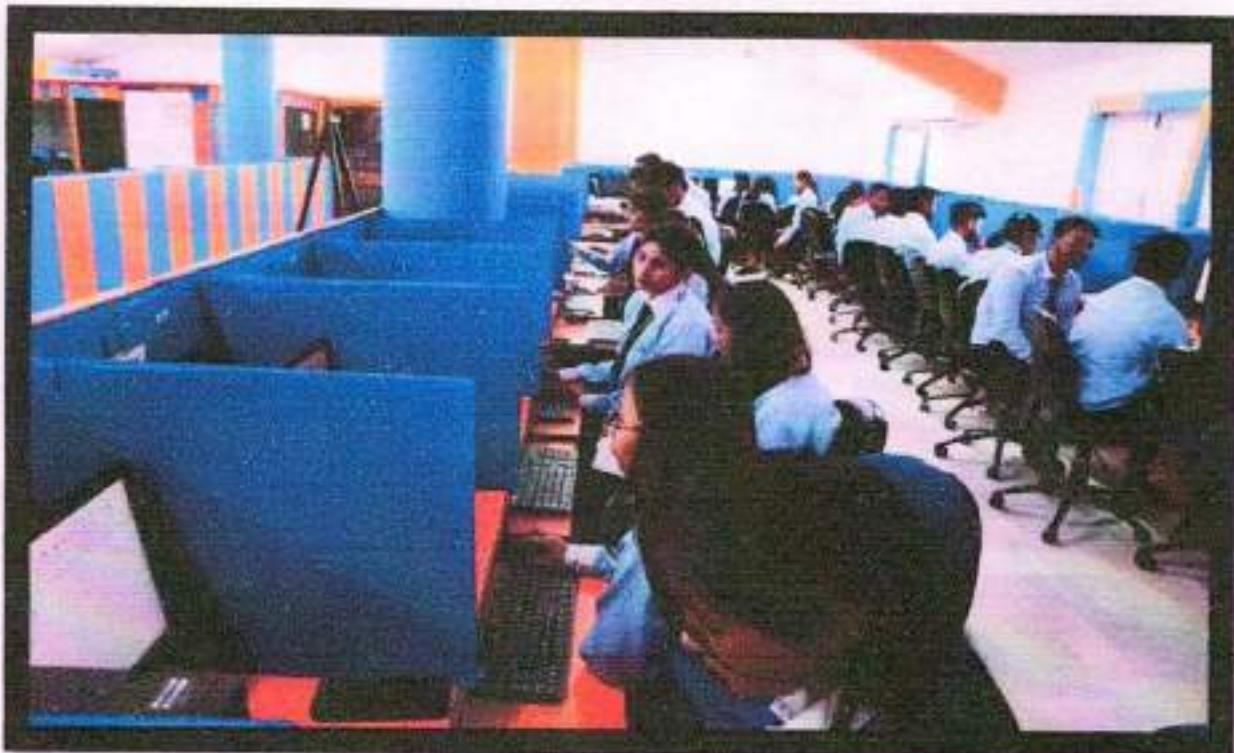
**Outcomes:**

- Students were introduced to the fundamentals of data science.
- Exploration of data management and data analysis.
- Student learns about the advance formulas for speedy data analysis.
- Students were introduced to various statistical and mathematical tools used for drawing inference through reports,
- Students learn to Create Smart Solution for your daily work.



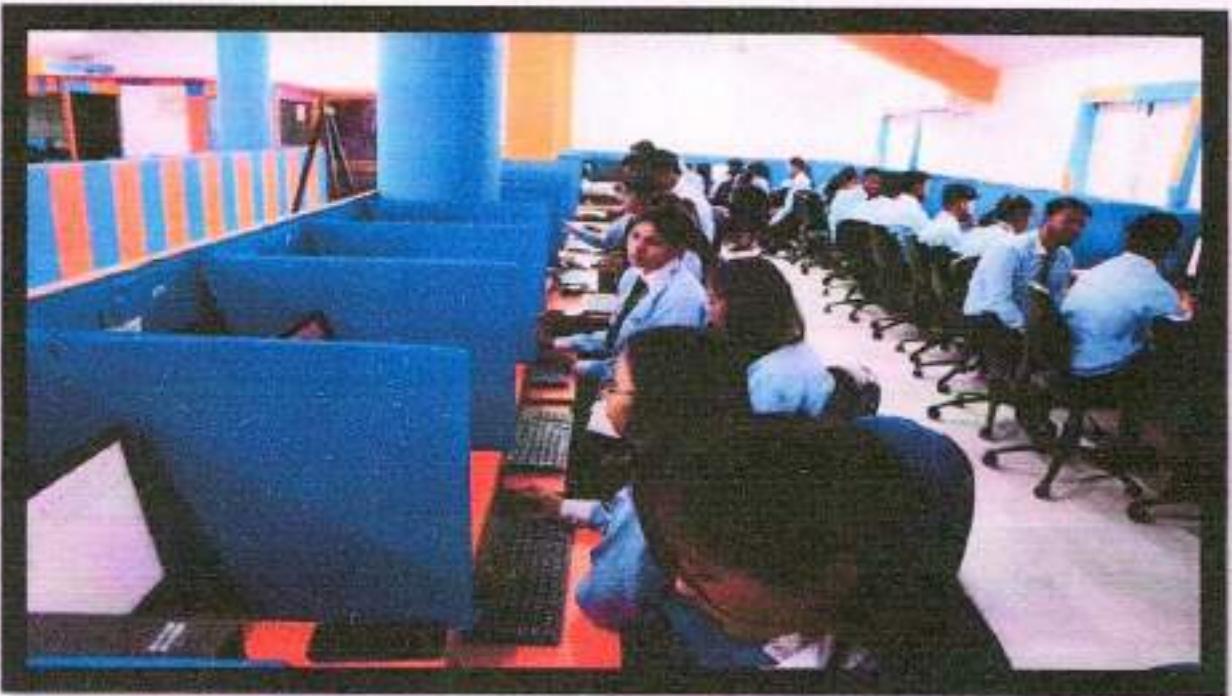
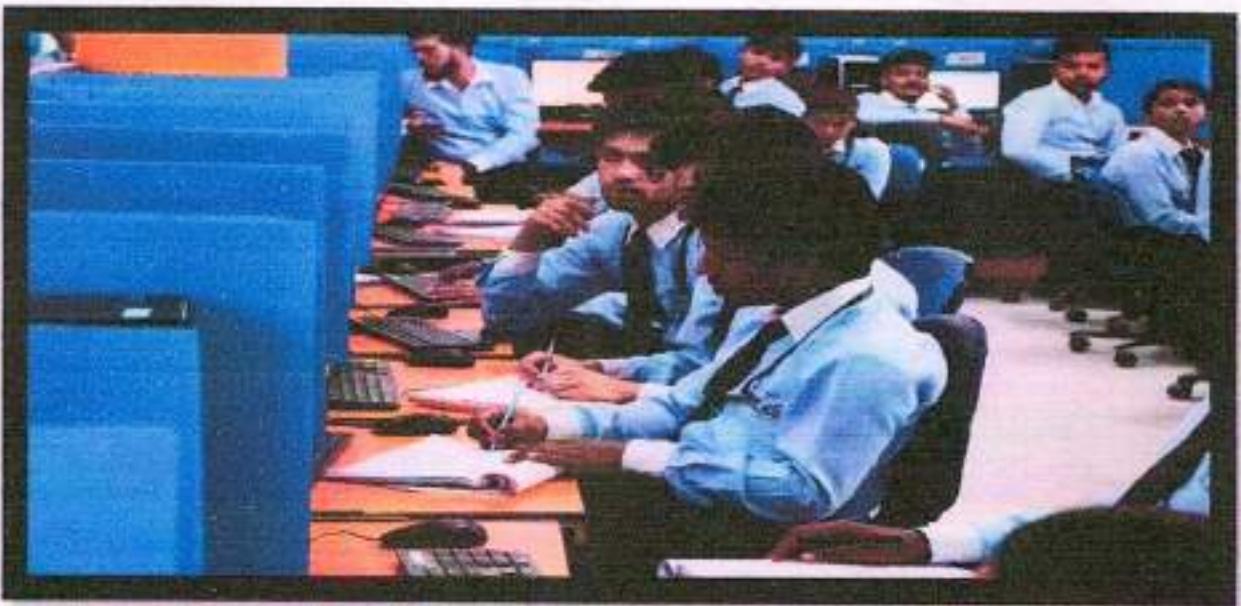
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**EVENT PHOTOGRAPHS**



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**Tula's Institute**  
**Graduate School of Business**



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Tula's Institute, Dehradun



Director  
Tula's Institute, Dehradun

*Certificate of*

# Participation



**BRILLICA**  
SERVICES

Tula's Institute, Dehradun  
Director

*This Certificate accredits that*

**Manav Dapkara**

*has successfully completed **30 Hours Training**  
on **Introduction to Data Science and Analytics***

*From 17th May - 21 May 2022*



## Our Industry Associations



**SUMMARY REPORT  
OF  
6 DAYS ADD-ON CERTIFICATE  
COURSE  
ON  
“STILL PHOTOGRAPHY  
&  
BASICS OF ADOBE PHOTOSHOP”**



## Event Summary

### **DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION**

**Six Days add-on certificate course on Still Photography & Basics of Still Photography**

**Date:** 14/05/2022

#### **Objective:**

1. Understanding different types of camera and techniques
2. Learning about different types of lenses and how they work
3. Importance of natural and artificial lighting
4. Gaining knowledge about photojournalism
5. Understanding the digital editing software's of photography

#### **Summary:**

The Department of Journalism and Mass Communication (Tula's Institute) in collaboration with "Seven Dot Film" conducted a Six Days Add-on Certificate course (09<sup>th</sup> May to 14<sup>th</sup> May 2022) on "**Still Photography & Basics of Adobe Photoshop**". The inaugural session started with a welcome speech from the Mr. Aditya Kumar (Assistant Professor), followed by a felicitation of the guests by Dr. Ranit Kishore (Dean of Management and Agriculture). The faculty coordinators for the session were Mr. Ankit Ghildiyal, Mr. Tauseef Iqbal, and Mr. Neeraj Kotiyal and the experts for the session were Mr. Anurag Jakhmola (Chief Photographer, Seven Dots Films).

The entire session was focused on the various aspects of Still Photography, Editing techniques, Lighting techniques, Live Practical Exposure on different locations to our students.

Throughout this certification course program students got the privileges to learn about the techniques related to this field. The esteemed guests & team of Seven Dot Films motivated and

#### **Vision**

- To emerge as an academic centre producing world class professionals promoting innovation and research

#### **Mission:**

- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

  
**Director**  
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Dehradun Institute of Technology



[www.tulas.edu.in](#)



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taught students about the fundamental of still photography and the various important elements of photography. Expert speaker also taught students about the art of taking photos in different setups and different lighting. He also shows the different specifications of SLR/TLR/DSLR cameras with the diverse range of lenses and how their optics work followed by different elements, principles, composition, and perspective involved in framing an image. During the Add-on certification course students got the opportunity to understand the basics of lighting and how natural and artificial light and day and night light have an impact on the photo. Students also learned about the different types of studio and studio equipment, a brief introduction to journalism and media, understanding photo journalism ethics and values. The final day of certification course gives hand on exposure to take candid photos and to tell stories through photographs.

The 6th Day valedictory session was organized by the Department of Journalism and Mass Communication. In the valedictory session all certificates were distributed to students by the Director, Seven Dot Films. Students were very much excited about the skills and live exposure they received from the Department of Journalism and Mass Communication, Tula's Institute.

**Outcomes:** Students learned about the various techniques of still photography and adobe Photoshop. Students achieved following skills from course:

- 1- Students learned about the various stages of still photography.
- 2- Students learned about the various Lighting techniques
- 3- Students learned about the various indoor and outdoor shooting techniques and how to edit them with the use of adobe Photoshop software.

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Director

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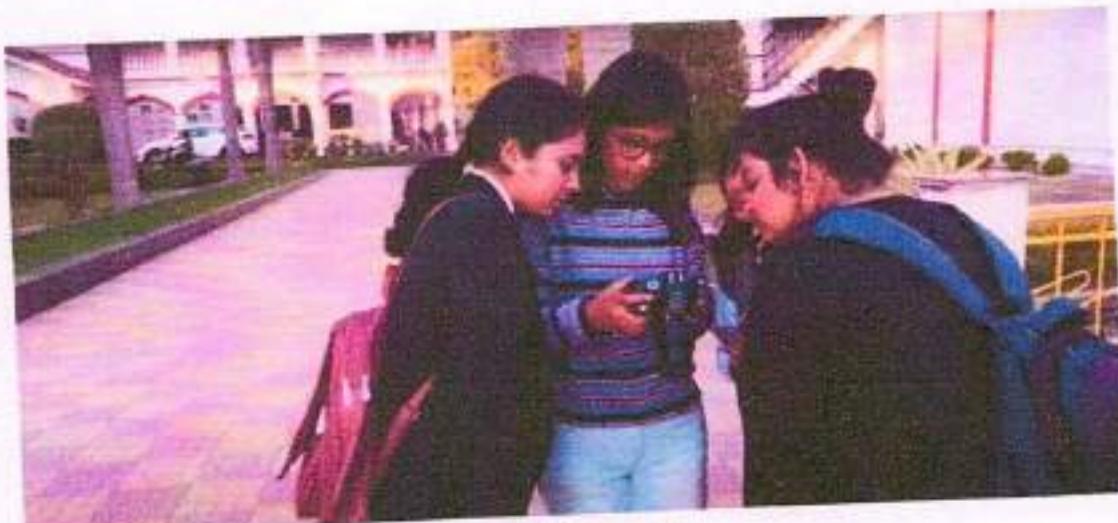
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Event Photograph



Event Photograph

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# TULA'S DEHRADUN

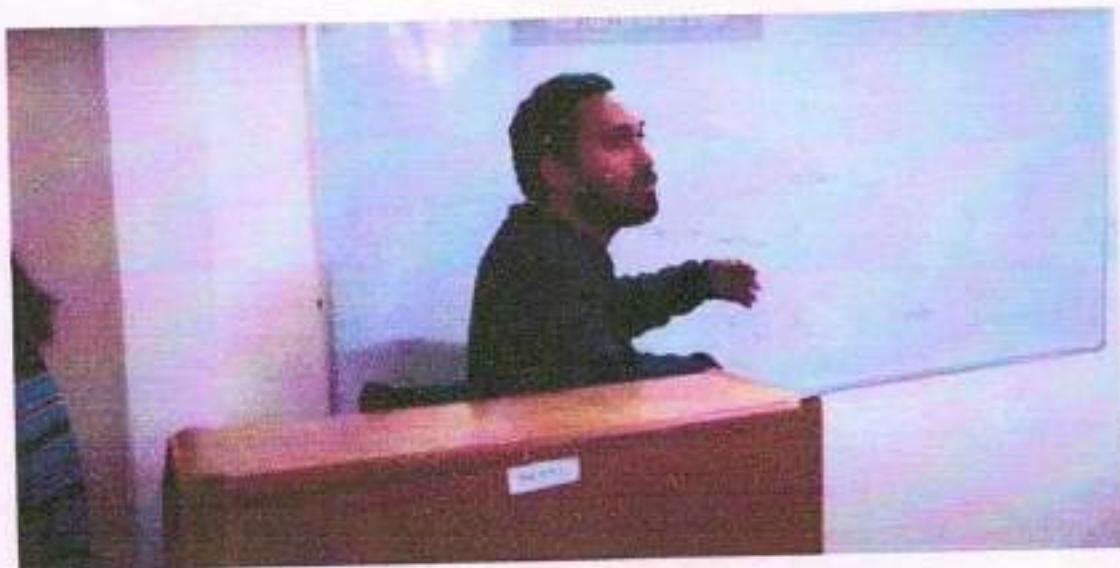
INSTITUTE

\*Approved by AICTE, Ministry of HRD, Govt. of India \* ISO 9001:2015

Affiliated: \*V.M.S.B Uttarakhand Technical University \* Sri Dev Saman Uttarakhand University \*Uttarakhand Board of Technical Education



**Event Photograph**



**Event Photograph**

**Vision**

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# TULA'S DEHRADUN

INSTITUTE

\*Approved by AICTE, Ministry of HRD, Govt. of India • ISO 9001:2015

Affiliated: \*V.M.S.B Uttarakhand Technical University • Sri Dev Suman Uttarakhand University • Uttarakhand Board of Technical Education



Event Photograph

#### Vision

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0135-2699300



Seven DOT  
••••• FILMS

# Certificate OF COMPLETION

Proudly presented to

# Mujtaba Shah Khan

of the Department of Journalism & Mass Communication, Tula's Institute Dehradun  
has successfully completed the *6 Days Add-On-Certificate Course* on

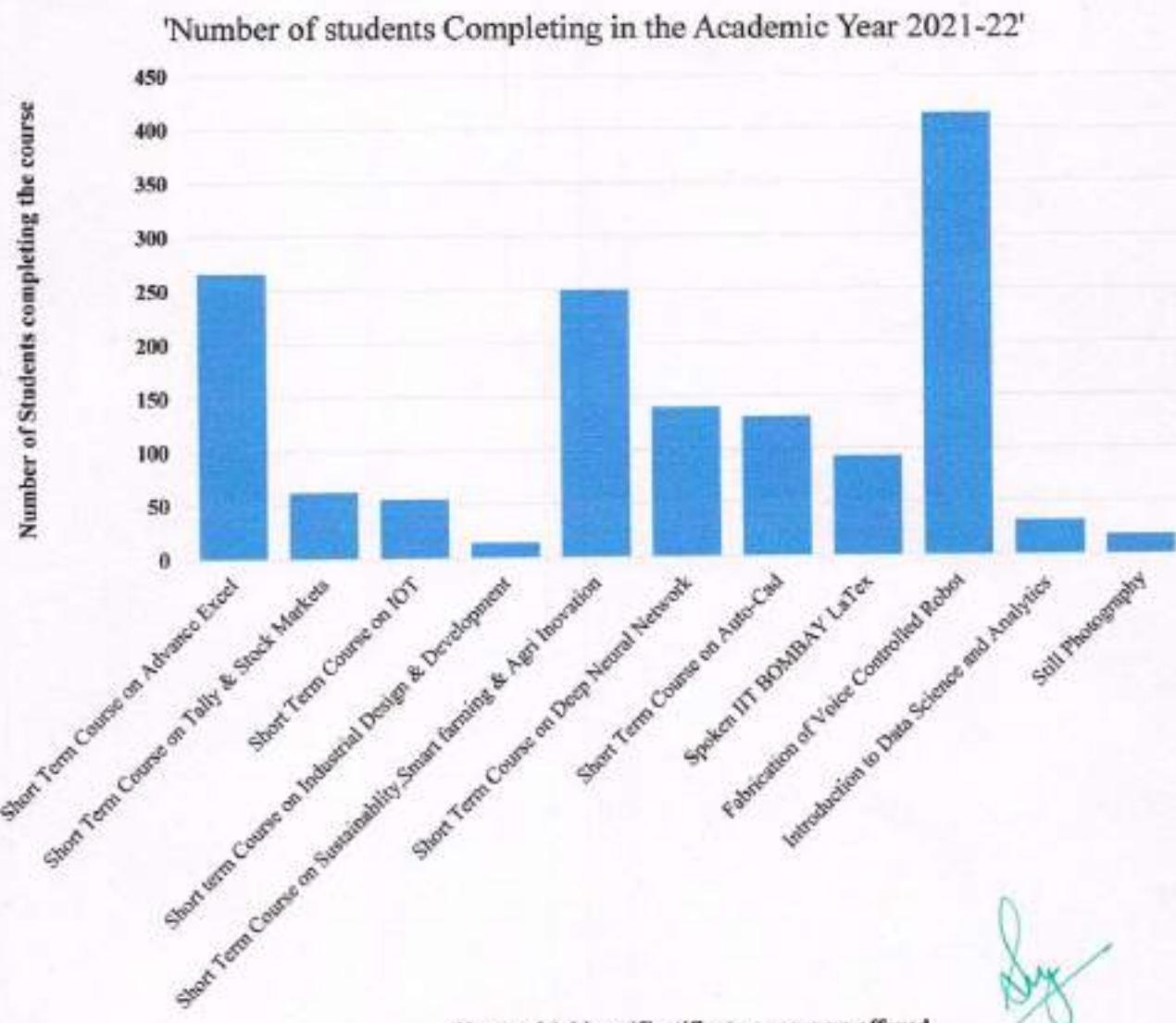
***"Still Photography & Basics of Adobe Photoshop"***

between 09 MAY 2022 - 14 MAY 2022.

Tula's Institute, Dehradun  
Director

Anurag Jakhmola  
Chief Photographer  
Seven Dot Films

## Number of students Completing Add-On Courses in the Academic Year 2021-22



Director  
Tula's Institute, Dehradun

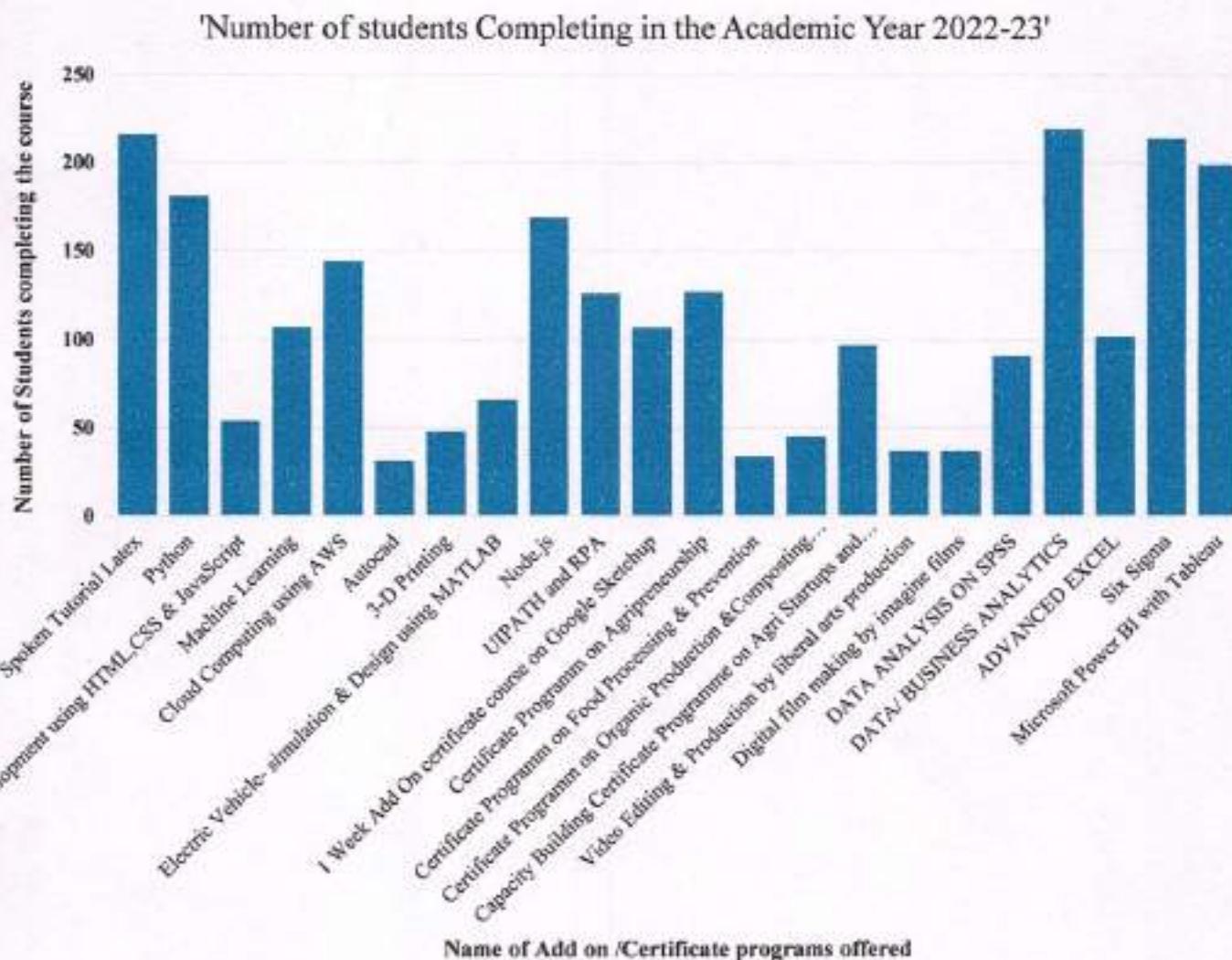
### Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

### Mission:

- To promote intellectual and skilled human capital generation employment and entrepreneurship.
- To be educational centre of excellence of multi ethnicity and diversity.
- To establish as technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.

## Number of students Completing Add-On Courses in the Academic Year 2022-23



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