

In Joint Association with:



5<sup>th</sup> DEHRADUN INTERNATIONAL  
SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

& STARTUP MAHAKUMBH



20<sup>th</sup>-23<sup>rd</sup> November, 2024

Visit us: <http://dehradunsciencefest.org>

*Venue:*

VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun





# 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

Presenting the 5th DISTF 2024 the Science and Technology mega festival with the extreme pleasure and enthusiasm. Dehradun International Science and Technology Festival DISTF is one of its kind a unique event that is continuously organized to provide a platform to everyone from the population of scientific and technological enthusiasts. The past four versions have witnessed the huge participation where the society has been benefitted with the plethora of events suited to cater the thirst and starvation for science and technology. Here we put the numbers of past year's participation and the number of events organized with whom and benefitting whom. As the betterment and growth is a natural phenomenon and so applies to the DISTF and hence this year expected 50,000+ visitors will participate the event from across the state physically and more than 1,00,000+ from across the Himalayan states virtually. The plethora of events can benefit the science and technology community including the school going children, science, engineering & medical students, scientific authors, science & technology bloggers and vloggers or news broadcasters/ podcasters. The teachers, technocrats, communicators, scientists, researchers, venture capitalist, artists, writers, journalists, administrators, policy makers and many more citizens amongst the others having temperament for science and technology all are welcome. The fabric of the 5th DISTF-2024 is full three days during 20<sup>th</sup>-23<sup>rd</sup> November, 2024 assimilating 25+ vibrant events encompassing the every wavelength in the world of the science and technology. There two main categories of the events, the Centralized Events spanning the full day activities and the Specialized Events for a specific interest group spanning through the particular duration.

## PARTICIPATION

Students from schools, engineering/medical & science institutions, universities and children, science communicators, scientists, technocrats, teachers, artists, journalists, young/ budding authors, researchers, other science enthusiasts, science policy makers and citizens—all are welcome to participate in physical/virtual mode.

# DISTF-2024 Programs at a Glance

## Conclaves:

- 4th Green Energy Conclave
- 2nd Biotechnology Conclave BIOCON
- 5th Young Entrepreneurship & Start-up Conclave (Rural Livelihood Ecosystem through Innovation, Start-Up & Traditional Technologies)
- Himalayan Education Leaders' Conclave

## Exhibitions:

- StartUp Expo
- Meditech StartUp Expo
- Science Model Exhibition
- MSME Expo
- Science & Tech. Expo
- Pharma Expo
- Science & Tech. Book Exhibition

## Conferences:

- 1st Medical Technology Conference (MEDI-TECHCON 2024)
- 4th Conference on Science, Technology & Agriculture (CONSTA-2024)
- 7th Himalayan Educators Summit-2024
- 5th Himalayan Meet-2024

## Awards & Felicitations

- Energy Conservation & Innovation Award
- 6th Divya Himgiri Himalayan Education Excellence Award-2024

## Interactive Workshops

- Aero Modeling Work Shop
- Work Shop on Robotics
- Magic of Math
- Work Shop on Model Rocketry
- Work Shop on Cyber Security
- Work Shop on Copyright, Trademark and IPR (Patent)
- Work Shop on Global Warming, Climate change & Natural Calamity
- Electronic Circuit Design and Development Work Shop
- Workshop on Unmanned Aerial Vehicle (UAV) Technology
- Magic of Optical Science

## Science Vibration

- Meet the Scientist
- Science Poster Competition
- Science Quiz
- Science Fashion Show
- Math Quiz

## Interactive Session

- After School Convention (Career Pathway)
- Adventure Tourism: Science and Technology

# SCIENCE VIBRATIONS

- **Science Poster Competition**
- **Science Quiz**
- **Magic of Math**
- **Meet the Scientist**
- **IPR Workshop**
- **Science Model Exhibition**
- **Lightning young mind to Innovate**



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## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# Science Poster COMPETITION

Wednesday, 20<sup>th</sup> November, 2024

On the Spot Registration: 10:00 AM-11:00 AM

On the Spot Competition Time: 11.30 AM to 1.00 PM

### THEME

Health, Environment,  
Food Habit, Save Earth,  
Water Conservation,  
Energy Conservation and  
Climate Change

### PRIZE

1<sup>st</sup> Prize: Rs. 5000/-  
2<sup>nd</sup> Prize: Rs. 3000/-  
3<sup>rd</sup> Prize: Rs. 2000/-  
5 Consolation Prize: Rs. 500/-  
(In Each Group)

### PARTICIPATION

GROUP 1: CLASS 6<sup>th</sup>-8<sup>th</sup> | GROUP 2: CLASS 9<sup>th</sup>-12<sup>th</sup> |  
GROUP 3: College Students

Participation Certificates will be provided to all Participants

### Online Registration:

<https://bit.ly/distf-2024-science-reg>

### Venue:

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun

for further enquires:

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

Ph.:- +91 9027296342



For Registration  
Scan this Code

In Joint Association with:



Knowledge Partner



## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# Space Science Quiz

By Certified ISRO SPACE TUTORS

**Date & Time:**

Thursday, 21<sup>st</sup> November, 2024

**On the Spot Registration:**

10:00 AM to 11:00 AM

**Science Quiz will start at**

11:30 AM and Close at 12:30 PM

**Online Registration Link:**

<https://bit.ly/distf-2024-science-reg>



**PRIZE**

1<sup>st</sup> Prize: Rs. 5000/-

2<sup>nd</sup> Prize: Rs. 3000/-

3<sup>rd</sup> Prize: Rs. 2000/-

5 Consolation Prize: Rs. 500/-  
(In Each Group)

### **PARTICIPATION:**

- GROUP 1: Grade 6<sup>th</sup> to 8<sup>th</sup>
- GROUP 2: Grade 9<sup>th</sup> to 12<sup>th</sup>
- GROUP 3: Open for College Students

**Participation Certificates will be provided to all Participants**

**Venue:**

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun

**for further enquires:**

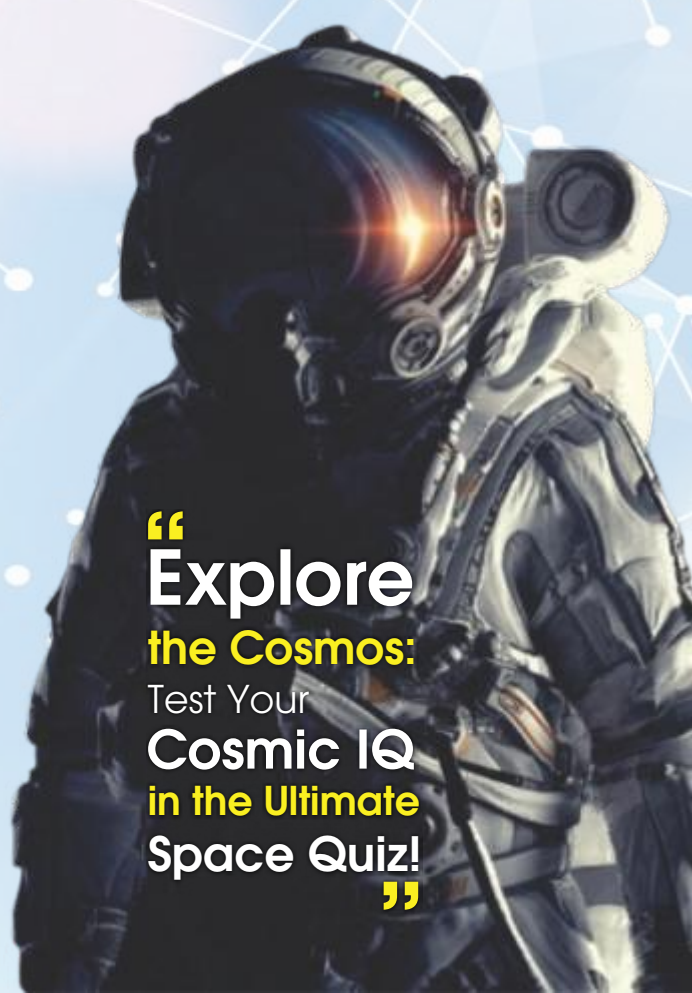
[www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)

Ph.:- +91 9027296342



For Registration  
Scan this Code

“  
**Explore  
the Cosmos:**  
Test Your  
**Cosmic IQ  
in the Ultimate  
Space Quiz!**  
”



In Joint Association with:



## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# MAGIC OF MATHS & Math Quiz

Participation Certificates will be provided to all Participants

### Date & Time:

Thursday, 21<sup>st</sup> November, 2024  
(12:00 PM Onwards)

### Online Registration Link:

<https://bit.ly/distf-2024-math-quiz-reg>



For Registration  
Scan this Code

### Venue:

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun

### for further enquires:

Ph.:- +91 7906546020 | [www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)



In Joint Association with:



Knowledge Partner



## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# STEM WORKSHOP

By Certified ISRO SPACE TUTORS

A STEM workshop provides students with hands-on learning experiences in science, technology, engineering, and mathematics. These workshops foster critical thinking, problem-solving skills, and creativity, preparing students for future careers in STEM fields while making learning engaging and fun.

**Eligibility:** Students from Grade 8<sup>th</sup>-10<sup>th</sup>

**Number of activities:** 2 to 5

**Duration:** 2 Hours

**Take Away Kit included:** Yes

For registration Scan below QR Code



or click this link

<https://bit.ly/distf-2024-stem-reg>

**Participation certificate to all the participants**

**Date & Time:**

Friday, 22<sup>nd</sup> November, 2024 (12:00 PM Onwards)

**Venue:**

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun

For further enquiries:

Mr. Saurabh Kaushal

Contact No.: 8295444079





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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# Model ROCKETRY WORKSHOP

BY CERTIFIED ISRO SPACE TUTORS

DESIGN, BUILD & LAUNCH ROCKET  
Grade 8-12 Students

Students will get the participation certificates

Date & Time:

Friday, 22nd November, 2024 (11:00 AM)

Venue:

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun



Register Now  
Fees : INR 1500/-

<https://bit.ly/distf-2024-rocketry-reg>

Participation: First come, first served bases

For further enquiries:

Mr. Saurabh Kaushal

Contact No.: 8295444079



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## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# MEET THE SCIENTIST

**Date & Time:**

**Friday, 22<sup>nd</sup> November, 2024**  
(10:00 AM Onwards)

**Popular Lecture Theme**

**“Unveiling the Future: Where  
Space and Technology Converge!”**  
“Science for Peace”, “Talk on Climate  
Change”, “Data Science, Artificial  
Intelligence and Cryptography”,  
“The Black hole formation &  
The centre of our galaxy”



*For registration  
Scan QR Code*

<https://bit.ly/meet-the-scientist-reg>

**Participation Certificates  
will be given to all  
the participants**



**Lecture will be delivered  
by eminent scientists**

**Venue:**

**VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun**

**for further enquires:**

**Ph.:- +91 7906546020**

**[www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)**

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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

Interactive Workshop on  
**UAV: Unmanned Aerial Vehicle  
(DRONE) Technology**

Date & Time:

Wednesday, 20<sup>th</sup> November, 2024 (03:00 PM Onwards)



**Venue:**

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun

**for further enquires:**

Ph.:- +91 7906546020  
[www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)

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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

Conference on  
**INTELLECTUAL  
PROPERTY  
RIGHTS (IPR)**



PATENT | RESEARCH PAPER |  
COPYRIGHT | TRADEMARK |  
GEO TAGGING | DESIGN | DATABASE |  
TRADE SECRET

**Date & Time:**

**Thursday, 21st November, 2024  
(11:00 AM Onwards)**

**Participation Certificates  
will be given to all  
the participants**

**Call for further enquires:**

Himanshu Goyal | Ph.:- +91 7500582048

Mail: hmicddn@gmail.com

Visit us: [www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)

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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# STUDENTS' INNOVATION

## Exhibition

Date : 20-23 November, 2024

Venue:

VMSB Uttarakhand Technical University  
Sudhowala, Chakrata Road, Dehradun



For registration  
Scan QR Code



Call for further enquires:

Ms. Anjali Negi | Ph.:- +91 8171379982

Mail: hmicddn@gmail.com

Visit us: [www.dehradunsciencefest.org](http://www.dehradunsciencefest.org)

<https://bit.ly/distf-2024-innovation-model-reg>

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Observatory Set Up By Wisdom Space Labs

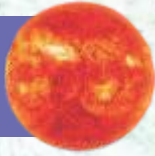


5<sup>th</sup> DEHRADUN INTERNATIONAL  
SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# Explore Wonders of Universe by OBSERVATORY

Never before opportunity to watch Amazing Celestial Wonders live in Sky

Pulsating Coe of Sun &  
Black Spots on Sun



Chandryaan-3 Landing Site  
with Ultra High Definition  
View of Moon



Saturn the most  
beautiful Planet



Jupiter with its  
Four Moons



Introductory ticket  
@Rs. 200/- per person on the spot

Date & Time  
20, 21 & 22 November, 2024 ( 11:00 AM Onwards)

Venue:  
VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun



In Joint Association with:



## 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

# FUN WITH SCIENCE

## Hands on Training



20-22 November, 2024  
12:00 PM Onwards



Class 08<sup>th</sup> to 10<sup>th</sup>

For Enquiry:

+91 7017385852

For more Information:

<http://dehradunsciencefest.org>

Venue:

VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun



### REGISTRATION

Interested teachers, students and parents can register for the workshop by filling out a short form (about 3-5 minutes) at

<https://rb.gy/2sxgh>



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FESTIVAL (5<sup>th</sup> DISTF-2024)

hi-fyh

# hi-fyh Zone

hi-fyh

## Science & Aeromodelling Workshop

Science Toys | Science Kits | Science Projects | Aeromodelling Kits

For Students of class 3rd and above

**HANDS ON EXPERIENCE ON FLYING CONTROL PLANE**

Date & Time

Wednesday, 20<sup>th</sup> November, 2024

11:00 AM Onwards

Venue:

VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun



Scan QR  
for Register:

<https://bit.ly/distf-2024-aeromodeling-reg>

On the spot Registration | For more details: +91 8859505051





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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# HIMALAYAN MEET

The Divine Heritage of Himalay

SPIRITUALISM, YOGA, WELLNESS & AYURVEDA



## THEMES

Saving the Himalayas through Science & Spirituality  
AYUSH – A Healing Touch from Himalayas  
Yoga & Holistic Health | Wellness from Himalayas

**Date & Time:**

20-22 November, 2024 (12:00 PM Onwards)

**Venue:**

VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun

**Participation:**

Participation is open for all

**For More Info.:**

<http://dehradunsciencefest.org>

For enquires call at +91-8433456398, +91 9410353164

In Joint Association with:



5<sup>th</sup> DEHRADUN INTERNATIONAL  
**SCIENCE & TECHNOLOGY**  
FESTIVAL (5<sup>th</sup> DISTF-2024)

**HIMALAYAN MEET**

# ADVENTURE TOURISM

*Science & Technology*



## EXHIBITION

Hot Air Ballon | Paragliding | Mountaineering | River Rafting |  
Water Sports | Air Safari | Scuba Diving |  
Bungee Jumping | Sky Riding

Date : 20-23 November, 2024

Venue: VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun

**4 DAYS | 35 EVENTS | 400 Educational Institutes | 50,000+ Visitors**

For all type of Sponsorship & Participation

Mr. Kunwar Raj Asthana  
Organising Secretary, 5<sup>th</sup> DISTF-24  
Ph.: 8433456398, 9410353164

**For More Info.: <http://dehradunsciencefest.org>**

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5<sup>th</sup> DEHRADUN INTERNATIONAL  
**SCIENCE & TECHNOLOGY**  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# 3<sup>rd</sup> YOUNG SCIENTIST & STARTUP Conclave

SCHOOL STARTUP PITCH COMPETITION

IDEA | INNOVATIONS | PITCH | STARTUPS | EXHIBITIONS



THEME

## Lighting Young Mind to Innovate

Rs. 10,000 CASH PRIZE FOR TOP FIVE SCHOOL TEAMS

Selected teams may receive further incubation support from RUNWAY

20<sup>th</sup>-22<sup>nd</sup> November, 2024

Important Dates:

- Call for Entries: Deadline 31 Oct, 2024
- Evaluation Period: 01-07 Nov, 2024
- Mentorship Workshop: 11 & 15 Nov, 2024
- Final Pitch: 21 Nov, 2024



Scan this  
QR CODE for  
Registration

For registration use link: <https://bitly.cx/wyOC2>

Contact for further enquiry:

Mr. Mohit Nagpal (Programme Convener) +91 8077660434

Venue: VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun

# Conclaves

- **Medi-Techcon-2024**
- **Bio Technology**
- **Green Energy**
- **Rural Startup**





**5<sup>th</sup> DEHRADUN  
INTERNATIONAL  
SCIENCE &  
TECHNOLOGY  
FESTIVAL 2024**

*In Joint Collaboration with*



# 1 MEDI-TECHCON

Conference on Advanced Technology in Modern Healthcare

**& STARTUPS MAHAKUMBH**

**22-23 November, 2024**

## Participation

- 08 hrs. Credit points by UK Medical Council
- 16 hrs. Credit points by Nursing Council

## TIMELINES

Announcement of Medicon-24: 23 September, 2024

Early Bird Registration Opens: 23 September, 2024

Abstract/Paper Submission Opens: 25 September, 2024

Early Bird Registration Deadline: 31 October, 2024

Abstract/Paper Submission Deadline: 10 November, 2024

Medi-Techcon-24 Conference Begins: 22-23 November, 2024



Register Here



Join Whatsapp Group



Telegram Link

Venue: VMSB Uttarakhand Technical University, Sudhowala, Dehradun

Mail: [distfmedicon24@gmail.com](mailto:distfmedicon24@gmail.com) | Mobile: 8433456398, 8527921139



# 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL-2024



## MEDI-TECHCON

Conference on Advanced Technology in Modern Healthcare

Presenting the 5th DISTF 2024 the Science and Technology mega festival with the extreme pleasure and enthusiasm. Dehradun International Science and Technology Festival DISTF, is one of its kind a unique event that is continuously organized to provide a platform to everyone from the population of scientific and technological enthusiasts. In celebration of 5th DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL-2024, we propose a conference on “**Advanced Technology in Modern Healthcare**” to exploring the latest advancements in healthcare. This Medi-Techcon aims to provide a comprehensive platform for celebrating the pioneering spirit of doctors, enhancing their skills, and fostering a culture of continuous improvement and innovation in healthcare. By focusing on critical areas such as application of Artificial intelligence in healthcare, robotics in surgery, telemedicine and digital health, innovative healthcare solutions, green health technology, and holistic healthcare, we hope to contribute significantly to the professional growth of healthcare providers and the advancement of medical practices. In recent years, technological advancements have dramatically transformed the healthcare landscape, making it more accessible, efficient, and effective. Among these advancements, telemedicine, digital health, and artificial intelligence (AI) stand out as key innovations driving this transformation. These technologies are not only bridging the gap between patients and healthcare providers but also enhancing the quality of care delivered. Robotic surgery, a ground breaking innovation in the field of medicine, utilizes advanced robotic systems to perform surgical procedures with high precision, flexibility, and control. This technology has revolutionized the way surgeries are conducted, offering significant advantages over traditional methods. This document explores the various aspects of robotics in surgery, including its development, applications, benefits, and challenges.

### Expected Outcomes:

1. Increased Knowledge: Enhanced understanding of modern healthcare innovations and research methodologies. Improved skills in using advanced technologies such as robotics and telemedicine.
2. Professional Development: Opportunities for continuous learning and skill enhancement among healthcare professionals.
3. Collaboration and Networking: Strengthened professional networks and collaboration opportunities among healthcare providers.
4. Recognition and Motivation: Celebrated contributions of doctors, providing motivation and inspiration to continue innovating and improving patient care.

### Organiser (s)

- Uttarakhand Council of Science and Technology, Government of Uttarakhand
- Department of Medical Education, Government of Uttarakhand
- All India Institute of Medical Science (AIIMS-RISHIKESH)
- Society for Research and Development in Science Technology and Agriculture

### Hosted by

- VMSB Uttarakhand Technical University

## THEME:

- Application of Artificial Intelligence in Healthcare
- Robotics in Surgery
- Telemedicine and Digital Health
- Innovative Healthcare Solutions
- Green Health Technology
- Holistic Healthcare

### Who Can Attend

Doctors  
Medical & Nursing Students  
Pharma Students | Technocrats  
Allied Health Sciences Students

## GUIDELINES FOR AUTHORS :

1. All presented research ideas shall be published in the transactions of research abstract by the scientific publication houses of high international repute.
2. Extended versions of full length research ideas shall be compiled as the chapters in the edited books of research and published by the scientific publication houses of high international repute.
3. Working lunches, snacks & tea etc. would be served during the conference dates to all registered candidates.
4. All Registered Conference Participants shall be given the certificate of participation.
5. Selected research ideas shall be allowed to present during the conference.
6. Maximum words count of abstract is 500 words in Font Times Roman, size 11.

## REGISTRATION FEE

- Rs. 4000 Early bird Registration till 31 October
- Rs. 5000 after 31 October
- Rs. 6000 On spot (subject to availability)
- Rs. 3000 Only for Students till 31 October



Register Here

## WHAT YOU WILL GET

Conference kit | Conference Lunch two | Conference Dinner one | Conference Tea four  
Cultural Evening | Conference Certificate | Networking opportunities with leading  
Doctors, Bureaucrat, Policy makers, Scientist and your's peer

## Account Details for Payment

**Account holder name:** Society for Research and Development in Science Technology and Agriculture

**Bank name:** Axis Bank, Convent Road, Dehradun

**Account number:** 923010055601451

**IFFC code:** UTIB0003624

In Joint Association with:



Supported By:



5<sup>th</sup> DEHRADUN INTERNATIONAL  
**SCIENCE & TECHNOLOGY**  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# 2<sup>nd</sup> BIO TECHNOLOGY Conclave

CONFERENCE | TECHNOLOGIES | INNOVATIONS | EXHIBITIONS

Date:  
22<sup>nd</sup>-23<sup>rd</sup> November, 2024

Venue: VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun



**Important dates:**

Conference registration	: 23 September 2024	CRC Submission	: 07 November, 2024
Paper/abstract submission	: 20 October 2024	Conference	: 22-23 November, 2024
Acceptance for Presentation	: 31 October, 2024		(During 5 <sup>th</sup> DISTF-2024)

Visit us: <http://dehradunsciencefest.org>

Mail: [distfbiocon@gmail.com](mailto:distfbiocon@gmail.com) | Contact: 8433456398, 9410353164



## 2<sup>nd</sup> BIO TECHNOLOGY CONCLAVE- 2024

A **Biotechnology Conclave** is being organized at **VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN** from **22nd-23rd November, 2024**, in joint collaboration with Department of Biotechnology, Government of India, Uttarakhand Biotechnology Council and Uttarakhand Council of Science & technology (UCOST), Government of Uttarakhand under the aegis of 5th Dehradun International Science and Technology Festival. The main objective of this conclave is to attract investors and invite them to invest in the Biotechnology sector. Various biotech entrepreneurs, academicians, industry professionals and biotechnology policy makers can be brought together on one platform. This conclave is being organized to provide a platform to entrepreneurial ideas in key biotechnology sectors like bio-pharma, bio-agriculture, bio-industrial, bio-services, bio-engineering etc. Apart from representatives of biotechnology, agriculture department, industry department and other departments, representatives of biotechnology and pharma industry, students & researchers from various universities are being invited to be the part of this conclave.

**AGRICULTURAL BIO TECHNOLOGY | MEDICINAL & AROMATIC PLANTS | BIO PHARMACEUTICALS & HEALTH CARE | BIOTECHNOLOGY EDUCATION & RESEARCH | STARTUPS & ENTREPRENEURSHIP | AGRO-PROCESSING & FOOD TECHNOLOGY | BIOINFORMATICS**

### MAJOR PRODUCT SERVICES OF THE INDIAN BIOTECH INDUSTRY & priority focus areas for uttarakhand



Biopharma

Vaccines

Medical Devices  
& biosensor based  
diagnostic kits

Therapeutics

Bio-similars



Bio-agri

Hybrid Seeds

Bio-fertilizer,  
Bio-Pesticide

Animal Husbandry &  
Organic meat

Aroma Farming

Organic Farming



Bio-industrial

Enzyme

Probiotics



Bio-service  
Bioinformatics

Drug Discovery

Sequencing & Data  
Analytics

Contract research  
organizations

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SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# GREEN ENERGY

## Conclave

The 21<sup>st</sup> Century Version of Green Energy

### INNOVATION & STARTUP EXHIBITION

Date:

20<sup>th</sup>-22<sup>nd</sup> November, 2024

Venue:

VMSB Uttarakhand Technical University,  
Sudhowala, Chakrata Road, Dehradun



# GREEN ENERGY

## Conclave

The 21<sup>st</sup> Century Version of Green Energy

**DISTF 4<sup>th</sup> Green Energy Conclave-2024** is an initiative to provide a platform for young scientists, entrepreneurs, investors and policymakers to showcase their work for recognitions and possible support by government and industry alike. The idea of the DISTF Green Energy Conclave-2024 was adopted at the 1st DISTF-2020 Festival, where we have organised a session on Green Energy. DISTF Green Energy Conclave-2024 is going to be held in VMSB Uttarakhand Technical University during the 5th Dehradun International Science and Technology Festival, 20th-22nd November, 2024.

**DISTF 4<sup>th</sup> Green Energy Conclave-2024** on "Green Energy and Sustainable Development :Issues, Challenges and Prospects specially focusing on the Emerging Uttarakhand as a Hub of Green Energy Source" is being organized by Society for Research and Development in Science, Technology and Agriculture (SRADSTA) during the 5th Dehradun International Science and Technology Festival (DISTF-2024). Sustainable development is the idea that human societies must live, and meet their needs, without compromising the ability of future generations to achieve their requirements. The conclave aims to stimulate the exchange of information on current research, developments and sharing of relevant experiences in the specific areas of Sustainable Development and Green Energy. Conclave will also provide a platform to discuss about the investment opportunities, policies and area of prospective.

### CONCLAVE THEMES

#### Investment Opportunities in Uttarakhand

#### Renewable Energy, Renewable Energy System & Generation

- Solar, Wind and Bio Energy
- Geothermal Energy
- Renewable Power Generation and Clean Energy Technology
- Demand Side Energy Management

#### Sustainable Energy Manufacturing

- Emerging Manufacturing Trends
- Green Manufacturing
- Carbon Footprint Reduction and Management
- Technology for Waste Recovery

#### Energy Initiative for Rural Areas

- Energy and Agriculture
- Rural Waste Management and Renewable Approaches
- Policy Interventions

#### Modern Power and Smart Energy System

- Power and Energy Systems
- Electricity Market & Electric Vehicles
- Energy Audit

#### Environment and Energy

- Ecosystem Management and Sustainable Development
- Water, Air, Noise and Solid Waste Pollution
- Green Energy, Environment and Economy

#### *Award Ceremony for the energy producers and E-Vehicle manufactures*

In Joint Association with:



Science for Equity Empowerment  
and Development (SEED) Division  
Department of Science & Technology



5<sup>th</sup> DEHRADUN INTERNATIONAL  
SCIENCE & TECHNOLOGY  
FESTIVAL (5<sup>th</sup> DISTF-2024)

# 2<sup>nd</sup> RURAL ENTREPRENEURSHIP & STARTUP Conclave

Rural Livelihood Ecosystem through  
Innovation, Start-Up & Traditional Technologies



THEME

**Himalayan Rural Technologies:  
Strengthen Livelihood  
Ecosystem  
in Himalayan Rural Area**

**STARTUPS | INNOVATIONS | EXHIBITIONS**

**20<sup>th</sup>-22<sup>nd</sup> November, 2024**

**Venue:**

**VMSB Uttarakhand Technical University,  
Suddhowala Chakrata Road, Dehradun**

# RURAL ENTREPRENEURSHIP & STARTUP

## Conclave

STARTUPS | INNOVATIONS | EXHIBITIONS

Uttarakhand hilly state of India, located in the northwestern part of the country. It is bordered to the northwest by the Indian state of Himachal Pradesh, to the northeast by the Tibet, to the southeast by Nepal, and to the south and southwest by the Indian state of Uttar Pradesh. Its capital is the northwestern city of Dehra Dun.

Total area of Uttarakhand is 19,739 square miles (51,125 square km) and according to 2011 Census total population of Uttarakhand is 10,116,752. Although roughly three-fifths of the working population of Uttarakhand is engaged in agriculture, less than one-fifth of the total area of Uttarakhand is cultivable. Steep slopes require careful terracing and irrigation, with water drained from the upper levels used to irrigate the lower ones. This method of terrace cultivation allows fields to be sown more than once per year. Wheat is the most widely cultivated crop, followed by rice and various types of millets, which are planted on the drier leeward slopes. Sugarcane is grown extensively in the gently rolling foothills of the southern region. Other important crops include pulses (legumes) such as peas and chickpeas, oilseeds such as soybeans, peanuts, and mustard seeds, and assorted fruits and vegetables.

Many farmers of Uttarakhand practice animal husbandry. The largest concentration of cattle to support dairy farming is found in the southern foothills. Goats and sheep are more common in the mountainous areas, although some cattle are kept in every village. The search for flourishing grassland has resulted in a tradition of transhumance, whereby livestock are led to graze in the mountain pastures during the warmer months but are transferred to the lower elevations for the winter. Some communities in the Siwalik Range historically have specialized in such seasonal herding.

Forests in Uttarakhand provide timber for construction, fuel wood, and various manufacturing activities, including handicrafts. Reforestation programs sponsored by the state government have moderately increased production, which, in turn, has facilitated development of additional forest-based industries.

Uttarakhand lacks mineral and energy resources sufficient for rapid industrialization. Perennial rivers fed by the perpetual snowfields of the Great Himalaya and the Zaskar ranges carry tremendous potential for the generation of hydroelectric power. Manufacturing activities have continued to expand in Uttarakhand; within just a few years of attaining statehood, the contribution of the sector to the state's gross product, at about 25 percent, had exceeded that of agriculture. The government assists agriculture-based and food-processing industries such as sugar milling, as well as the manufacture of wood and paper products, woolen garments, and leather goods. Among Uttarakhand's other notable manufactures are cement, pharmaceuticals, automobiles and other transportation equipment, and electrical products.

The government of Uttarakhand has invested heavily in the services sector, particularly in the development of the information-technology and tourism industries. In the first decade of the 21st century, the sector already accounted for more than half of the state's gross product. The tourism industry has shown significant growth, as the state's snow-capped peaks, glaciers, lush green river valleys, waterfalls, lakes, flora and fauna, wildlife sanctuaries, and pilgrimage sites attract a large number of domestic and international visitors.

Through the protection of Himalayan traditional knowledge & heritage of rural technologies and use them to create a ecosystem of livelihood in neighborhood, We have plan a conclave **Rural Entrepreneurship & Startup Conclave (Rural Livelihood Ecosystem through Innovation, Start-Up & Traditional Technologies) With Theme "Himalayan Rural Technologies: Strengthen Livelihood Ecosystem in Himalayan Rural Area"**. Where we shall organize dialogue session on relevant topics and provide an exhibition area for showcase of heritage of Himalayan science, technology and knowledge.

## DISCUSSION TOPICS

### **Ecosystem Management and Sustainable Development**

- Integrated Farming System
- Alternative Crop Farming
- Himalayan Tradition Handicraft, knowledge and technologies

### **Use of ICT in Agriculture**

- Krishi Call Center
- Community Radio Station

### **Skill & Education**

- Vocational Training

### **Entrepreneurship Development Program & Incubation**

- Government Self employment Schemes for Rural Areas
- Entrepreneurship training programs
- Support for legal Registration, Investment & Marketing
- Identification of Sectors

### **Water & Sanitation**

- Water, Sanitation and Low Cost Housing

### **Renewable Energy**

- Hybrid (Solar & Wind) Solutions for Remote Villages and Biogas

### **Women Empowerment and Healthcare**

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## **RURAL ENTREPRENEURSHIP & STARTUP CONCLAVE**

**Date & Time: 20-22 November, 2024**

**Venue: VMSB Uttarakhand Technical University, Dehradun**

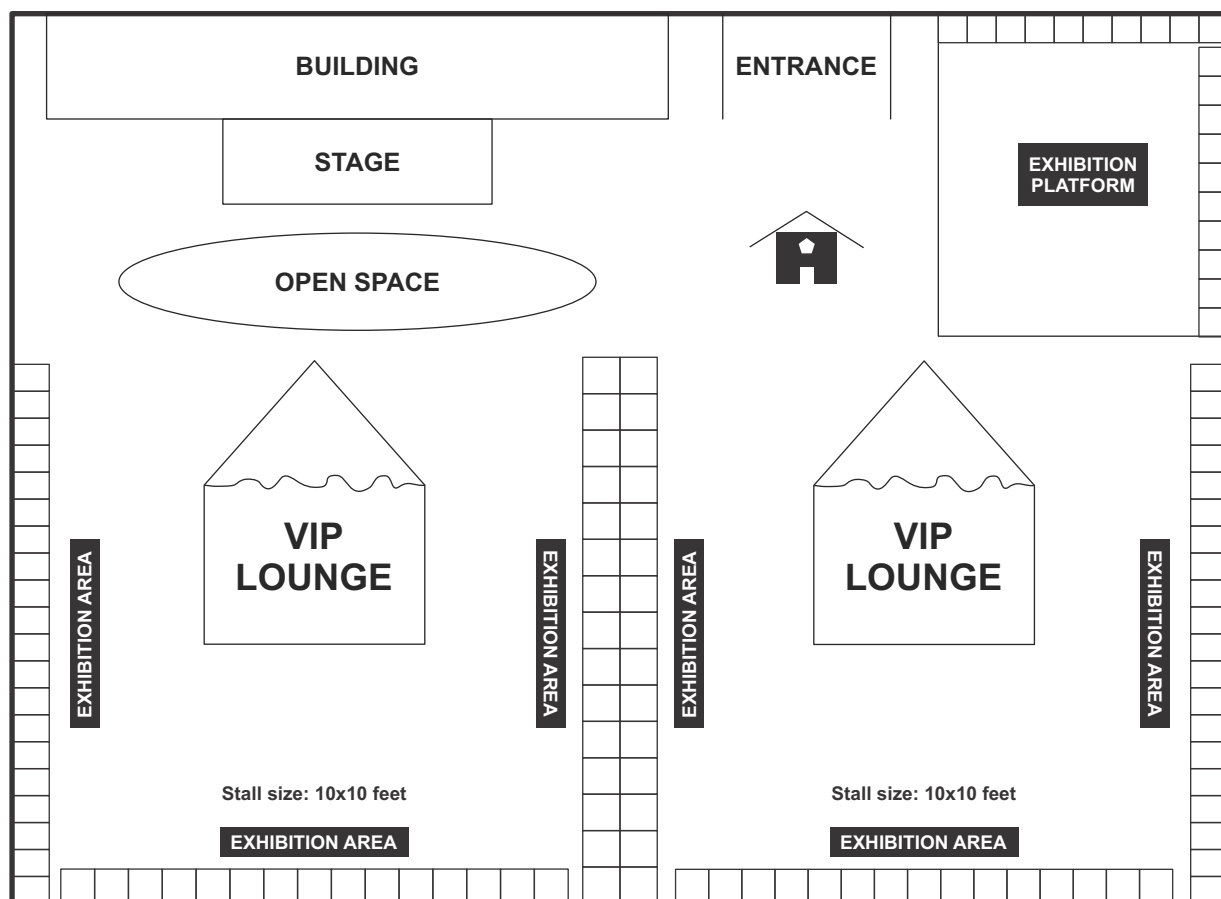
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## Exhibition Layout Plan



# 5th DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5th DISTF-2024)

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# 5<sup>th</sup> DEHRADUN INTERNATIONAL SCIENCE & TECHNOLOGY FESTIVAL (5<sup>th</sup> DISTF-2024)

In Joint Association with:



Science for Equity Empowerment  
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Department of Science & Technology



DEPARTMENT OF BIOTECHNOLOGY  
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## PROGRAM AT A GLANCE

**iMEDI-TECHCON**

**GREEN ENERGY**  
Conclave

**2<sup>nd</sup> BIO  
TECHNOLOGY**  
Conclave

**Science Poster**  
COMPETITION

**3<sup>rd</sup> YOUNG SCIENTIST & STARTUP**  
Conclave

**STUDENTS' INNOVATION**

**Exhibition**

**2<sup>nd</sup> RURAL ENTREPRENEURSHIP  
& STARTUP** Conclave

**MAGIC OF  
MATHS**