

**Dr. B R Ambedkar National Institute of Technology  
Jalandhar  
Innovation Club  
Presents**

**INNOVESTA-2021: A Technical Event  
(September 25-26, 2021)**

**Organising Team**

**Patrn**

**Prof Lalit K Awasthi**  
Director, National Institute of Technology Jalandhar

**Co-Patron**

**Prof R K Garg**, Chairman, Institution's Innovation Council (IIC)  
**Prof Arun K Khosla**, Dean Research and Consultancy  
**Prof Anish Sachdeva**, Dean Academic

**Chairman**

**Dr Lakhwinder Pal Singh**, Coordinator, Innovation Club

**Organising Secretaries**

**Dr T Srinivas**, Coordinator Institution's Innovation Council (IIC)  
**Dr Samayveer Singh**, Department of CSE  
**Dr Shyamkiran Kaur**, Department of HUM  
**Dr Mahesh Kumar Sah**, Department of BT  
**Dr O P Verma**, Department of ICE



**Dr B R Ambedkar National Institute of Technology Jalandhar,  
Punjab (India) -144011**

**About the NIT Jalandhar**

Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Education (Shiksha Mantralaya), New Delhi. Government of India has declared the Institute as "*Institute of National Importance*" under the act of Parliament-2007. A large number of reputed Industrial houses in the country visit the Institution and select the final year students as Engineers/ Management Trainees. As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers B Tech, M Tech, MSc, MBA and PhD programmes in the several disciplines of Engineering, Technology and Sciences.

**About the Innovation Club**

In pursue of National initiative for Design Innovation by Ministry of Education (MoE), Govt. of India, the Innovation Club of NIT Jalandhar is an initiative taken in order to promote and give nourishment to new ideas as well as recycling the existing ones in order to make our daily life easy. The vision of the club is to seek a thriving and sustainable regional economy driven by innovative local entrepreneurs and a competitive start-up ecosystem. The club aims to provide relevant, timely and targeted support for early stage technology-oriented companies in the creation of quality and high-paying jobs.

To achieve this objective, Innovation Club recurrently organises various national events such Innovesta, Rockesta, Technovesta, National Symposiums, National Conferences and National Workshops with a focus on innovation and design.

## Eligibility/Modes of Participation

- ✓ Any UG, PG, PhD Student and faculty can participate.
- ✓ Participant can apply either individually or in a team of 1-3 members.
- ✓ Cross college teams are not allowed.
- ✓ The projects will be judged by a panel of professionals on the basis of the presentation, logic, ideas, content, and uniqueness.
- ✓ The decisions of the judges and organizers will be final and binding on all participants

Rounds 1: **Submission of Projects:** Team Leader have to upload their ideas, model video, presentation or project on our Google Form. The portal for project submission will be open for limited days & will be closed on 23 September, 2021. The best projects will be selected for final judgement on the basis of their innovation, ideas, uniqueness & presentation.

Round 2: **Presentation Round:** The best projects will be selected for final judgement on the basis of their innovation, ideas, uniqueness & presentation. Result will be declared on day 2 of Innovesta-2021. Top projects will get the chance to present their innovations in front of everyone on online platform.

## Contact Us

### Student Coordinators

**Mr Roshan Kumar**, Mob. 9692250969, Email: roshank.hm.20@nitj.ac.in  
**Mr Sushant Sethi**, Mob. 9530651883, Email: sushant.hm.20@nitj.ac.in

### Faculty

**Dr L P Singh**, Mob: 8288947954, Email: singhl@nitj.ac.in  
**Dr Shyamkiran Kaur**, Mob: 8427333415, Email: kaursk@nitj.ac.in  
**Dr Samayveer Singh**, Mob: 9953741966, Email: samays@nitj.ac.in  
**Dr Mahesh Kumar Sah**, Mob: 8340774578, Email: kaursk@nitj.ac.in  
**Dr O P Verma**, Mob: 7579279839, Email: vermaop@nitj.ac.in

## INNOVESTA-2021

INNOVESTA-2021 is one of the flagship events of Innovation Club, NIT Jalandhar that provides a premier platform for students to showcase their unique ideas, concepts, trends in the technological field of science, in front of students along with the challenges faced and solutions adopted while making the project. Focusing upon exploring best ideas of students of various fields, INNOVESTA-2021 is planned for two days (25-26 September, 2021)

### Important Dates

Last Date of Registration: 23.09.2021  
Confirmation of selection: 24.09.2021

## Registration

Please find below the link for the online registration and QR code payment of the said event:

<https://bit.ly/innovesta21>



vaishalisood.94@oksbi

Fees for Indian Student /person	Rs. 100/-
Fees for Indian Faculty/person	Rs. 500/-
Fees for foreign Student/Faculty/person	NIL

## TRACKS

Sustainable Development  
Water Conservation  
Health Care System  
Green Energy  
Any other Allied Area/s

Smart Agriculture  
Solar Energy  
Transportation Management  
Smart Payment Systems  
Smart materials

Smart Cities  
Smart Vehicles  
Smart/Green Houses  
Surveillance and Security  
Artificial Intelligence

Environment Pollution (Air, Soil and Water)  
IOT Applications  
Effective Online Education Systems  
Touchless Attendance  
Robotics and Automation

### Day 1 of the INNOVESTA-2021

#### Session 1

**International workshop on Innovation, IPR and Commercialization (IIC-2021)**

Experts will give hands on practice for preparing proposal for patent filing, copyright and design

#### Session 2

**International symposium on Innovation, IPR and Entrepreneurship (IIE-2021) -**

Participants from various Institution's will present their innovation and research findings through PPTs/Poster and **prototypes fabricated by UG/PG/PhD level students**

### Day 2 of the INNOVESTA-2021

#### Session 1

**International workshop on Innovation, IPR and Commercialization (IIC-2021)**

Experts will give hands on practice for preparing proposal for patent filing, copyright and design

#### Session 2

**International symposium on Innovation, IPR and Entrepreneurship (IIE-2021) -**

Participants from various Institution's will present their innovation and research findings through PPTs/Poster and **prototypes fabricated by UG/PG/PhD level students**

**INNOVESTA-2021  
VELIDICTORY**



- ✓ The link to access online sessions will be shared on registered email.
- ✓ Certificates will be issued to registered candidates after successful participation in the event. Cash prizes sponsored by STEM research Society



**Dr. B. R. Ambedkar National Institute of Technology, Jalandhar**  
**INNOVATION CLUB | DREAM CREATE INSPIRE**

## **INNOVESTA' 21**

**Date: September 25-26, 2021**

### **Organizing Team**

#### **Patron**

Professor (Dr) L. K. Awasthi  
Director, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

#### **Co-Patron**

Prof R K Garg, Chairman, MoE's Institution Innovation Council  
Prof Arun K Khosla, Dean Research and Consultancy  
Prof Anish Sachdeva, Dean Academic

#### **Chairman**

Dr. Lakhwinder Pal Singh (Coordinator, Innovation Club)

#### **Organizing Secretaries**

Dr. Srinivas Tangellapalli  
Dr. Samayveer Singh  
Dr. Shyamkiran Kaur  
Dr. Mahesh Kumar Sah  
Dr. O. P. Verma

#### **Organized by:**

Innovation Club – Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (Punjab)

#### **Prizes Sponsored by: STEM - Research Society**

#### **Student Coordinator:**

Mr. Roshan Kumar Mob. +91 9692250969;  
Mr. Sushant Sethi Mob. +91 9530651883

**INNOVATION CLUB** helps young minds to inculcate and nourish the seed of innovation which is inside every human and provides the platform to showcase their ideas among the finest minds of our country. Stay tuned and follow your ideas because “innovation starts with you”. It aims to inculcate the spirit of innovation and entrepreneurship amongst the students, encourage and support innovation through guidance, mentorship, and support.

**INNOVESTA' 21** is one of the flagship events of Innovation Club, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar that provides a premier platform for students to showcase their unique ideas, concepts, trends in the technological field of science, in front of students along with the challenges faced and solutions adopted while making the project. Focusing upon exploring best ideas of students of various fields, INNOVESTA' 21 is planned for two days (25-26 Sept, 2021)



The INNOVESTA comprise of various events and stages which are described briefly as below -

### **Day 1: 25 September, 2021**

**Session 1: International Workshop on Innovation, IPR and Commercialization (IIC-2021)** - Experts will give hands-on practice for preparing proposals for patent filing, copyright and design.

**Session 2: International Symposium on Innovation, IPR and Commercialization (IIC-2021)** - Participants from various Institution's will present their innovation and research findings through PPTs/Poster and demonstration of Prototypes fabricated by UG/PG/PhD level students.

### **Day 2: 26 September, 2021**

**Session 1: International Workshop on Innovation, IPR and Entrepreneurship (IIE-2021)** - Participants from various Institution's will present their innovation and research findings through PPTs/Poster

**Session 2: International Symposium on Innovation, IPR and Entrepreneurship (IIE-2021)** - Participants from various Institution's will present their innovation and research findings through PPTs/Poster and

demonstration of Prototypes fabricated by UG/PG/PhD level students.

### **Symposium Tracks**

- Sustainable Development
- Smart Agriculture
- Smart Cities
- Environment Pollution (Air, Soil and Water)
- Water Conservation
- Solar Energy
- Smart Vehicles
- IOT Applications
- Health Care System
- Transportation and Traffic Management
- Smart/Green Houses
- Green Energy
- Smart Payment Systems
- Surveillance and Security
- Touchless Attendance
- Effective Online Education Systems
- Smart materials
- Artificial Intelligence
- Robotics and automation
- Any other Allied Area/s

## **Constitution**

### **ORGANISATIONAL RULES**

#### **Administration**

- The Innovation Club of Dr. B. R. Ambedkar National Institute of Technology, Jalandhar under the scheme of National Initiative of Design Innovation by Ministry of Education (MoE), Government of India, organize the



competition. The Organization Committee shall function as the authoritative and administrative body for the purposes of organizing the competition. Important points of contact within the Organization Committee, and relevant changes, shall be notified by e-mail to all participating teams.

- The official e-mail for all correspondence with respect to the competition is roshank.hm.20@nitj.ac.in.
- The OC will have the exclusive authority to interpret these rules. The rules will be interpreted in fairness and equality, and may at times include deviations from the text of the rules to uphold such fairness and equality. In the event of such a deviation the OC will inform all participating teams within a reasonable time from the occurrence of the event.

### **Final and Binding Interpretation**

- Any circumstance not envisaged by these rules will be judged by the OC.
- All decisions of the OC shall be final and binding.

### **Qualifications of Team-members**

- The competition is open to school students (20 teams only) and students in an under-graduate or postgraduate degree.
- The competition is also open for PhD scholars.

### **Authorization for Team Members**

- Students interested in participating in the competition must first contact the concerned authorities in their respective institutions and receive the requisite authorization to represent the institution in the competition.

### **Number of Team Members**

- Teams shall comprise at most three members.
- No other individual may assist the team with researching, writing, editing or otherwise constructing its arguments.
- Failure to observe this rule may result in disqualification.

### **Team Coaches or Advisors and Observers**

- The participation of observers affiliated to the team must be communicated to the OC, and must be approved by the OC. Observers are allowed to attend merely in an observational capacity and are not allowed to assist the team in preparation or at the competition in any way during the competition, for avoidance of doubt, individuals participating as coach/advisor/observers must be clearly marked as such. Failure to comply with this rule may result in the team being disqualified.
- The team coach/advisor shall not be allowed to contribute towards the preparation of the memorials of the team, and shall not be allowed to function as a speaker or researcher during oral pleadings. A coach/advisor should limit her/his role to providing general guidance with respect to the subject- matter of the competition.

### **Demonstration of Prototypes fabricated by UG/PG/PhD level students**

- An exhibition of fabricated projects by final year students. All the project representatives are requested to join the Google Meet before 9 AM or reach the venue before 9 AM
- All the members of the team are requested to accompany the project else the team will be disqualified.

### **International Symposium on Innovation, IPR and Entrepreneurship (IIE-2021):**

- Teams have to propose their unique and innovative idea in front of the panel in the form of a working model or project. The idea may be a new one or an older one which has some improvements over present implementations. The participants also need to propose a solution to their idea.
- Judgement will be based upon many factors like Innovation, recycling of the existing idea, feasibility, cost efficiency etc.
- Teams have to report at the registration desk on time provided by the organizing team, if not it may lead to disqualification.



## Registration and Submission

- Teams are invited through schools (20 teams only), engineering colleges, polytechnic institutes and universities.
- The teams will have to register themselves at the specified registration portal or the specified email address.
- At the time of registration, teams shall select an official point of contact from the participating team who will be responsible for all official correspondence between the team and the Organizing Committee.
- Changes to the registered information will not normally be permitted. Exceptional circumstances may be brought to the attention of the OC, whom any permit modifications on a discretionary basis. The decision of the OC shall be final in this regard.
- After the registration, participating teams will be provided with a team Number, which will serve as their unique identifier for submitting Memorials and at the Oral Rounds.
- The registration fees per person is Rs. 100/-.

### ❖ Competition Prizes

Apart from cash rewards to winning team, first runner up and second runner up there are multiple other awards as mentioned below:

- |                      |                        |
|----------------------|------------------------|
| ✓ Winner             | ✓ Best Presenter Award |
| ✓ 1st Runner Up      | ✓ Best Idea            |
| ✓ 2nd Runner Up      | ✓ Best Social Impact   |
| ✓ Best Project Award |                        |

**Registration Link:** <https://forms.gle/eSvEXfkvkjufgCGs5>

### Important Dates

Registration Open – August 12, 2021  
Registration Close – September 23, 2021  
Confirmation of Selection – September 24, 2021

### Registration Fee:

Fees per Indian student/person Rs. 100/-  
Fees per Indian faculty/person Rs. 500/-  
Fees per foreign student/faculty/person NIL

For any queries, please contact the OC

### Student Coordinators

Mr. Roshan Kumar Mob. +91 9692250969, Email: roshank.hm.20@nitj.ac.in  
Mr. Sushant Sethi Mob. +91 9530651883 Email: sushants.hm.20@nitj.ac.in



NITJ/IC/\_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Dear Sir/Madam,

Greetings of the Day!

It is our great pleasure to share that after an immense success of “INNOVESTA 2020,” Innovation Club, Dr. B. R. Ambedkar National Institute of Technology Jalandhar is all set to organise “INNOVESTA 2021”, during September 25-26, 2021. The technical event would help in imparting sound and practical knowledge to the young innovators of the world.

I cordially invite students of your esteemed Institution to participate in the event. We further request you to disseminate this information in your institute and network to give wide publicity and help us to reach a larger number of students/scholars to seize the opportunity.

The details of “INNOVESTA 2021”, are as follows:

**Day 1: September 25, 2021**

**Session I**

**International Workshop on Innovation, IPR and Commercialization (IIC-2021)** - Experts will give hands-on practice for preparing proposals for patent filing, copyright and design.

**Session II**

**International Symposium on Innovation, IPR and Commercialization (IIC-2021)** - Participants from various Institution's will present their innovation and research findings through PPTs/Poster and demonstration of Prototypes fabricated by UG/PG/PhD level students.

**Day 2: September 26, 2021**

**Session I**

**International Workshop on Innovation, IPR and Commercialization (IIC-2021)** - Experts will give hands-on practice for preparing proposals for patent filing, copyright and design.

**Session II**

**International Symposium on Innovation, IPR and Commercialization (IIC-2021)** - Participants from various Institution's will present their innovation and research findings through PPTs/Poster and demonstration of Prototypes fabricated by UG/PG/PhD level students.

**Symposium Tracks**

Sustainable Development • Smart Agriculture • Smart Cities • Environment Pollution (Air, Soil and Water) • Water Conservation • Solar Energy • Smart Vehicles • IOT Applications • Health





Care System • Transportation and Traffic Management • Smart/Green Houses • Green Energy  
• Smart Payment Systems • Surveillance and Security • Touchless Attendance • Effective  
Online Education Systems • Smart materials, Artificial Intelligence, Robotics and automation,  
Any other Allied Area/s

The event will be conducted on a virtual mode **via** Google Meet platform

**Last Date of Registration:** September 23, 2021

Registration Link: <https://forms.gle/eSvEXfkvkjufgCGs5>

**E-Certificate will be provided for the participation,** may visit website for more information  
([https://www.nitj.ac.in/Innovation\\_Club/](https://www.nitj.ac.in/Innovation_Club/))

The brochure and rules book are appended herewith for your reference.

Looking forward to active participation of your Institution.

Thank you

**Team, INNOVESTA-2021, NITJ**