



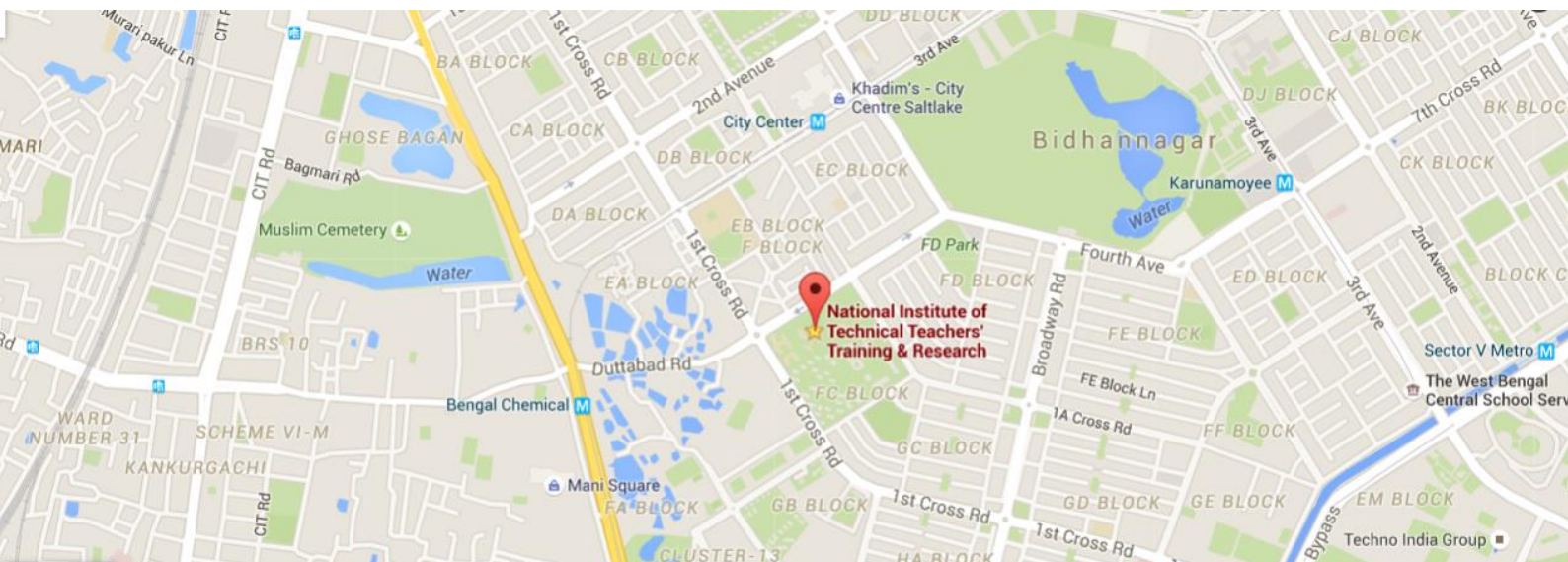
## 2<sup>nd</sup> NATIONAL INNOVATION TALENT CONTEST FOR POLYTECHNIC, 2019



National Institute of Technical Teachers'  
Training and Research, Kolkata

## How to Reach NITTTTR, Kolkata

The Institute is located near Labony Bus Stand (Sector-III), FC Block in Salt Lake City, Kolkata 700106 and can be reached by taxi from Netaji Subhas Chandra Bose International Airport and also from Howrah, Shalimar, Sealdah and Kolkata Railway Stations.



### Distance:

- From Howrah Railway Station: **42 min** (8.1 km) via Maniktala Main Road
- From Sealdah Station: **26 min** (7.4 km) via Beliaghata Main Road and Broadway Road
- From Kolkata Railway Station: **16 min** (4.8 km) via Canal Circular Road
- From Shalimar Station: **38 min** (18.8 km) via Parama Island Flyover
- From Netaji Subhas Chandra Bose International Airport: **27 min** (11.5 km) via Kazi Nazrul Islam Sarani/VIP Road

**Google map link:** <https://goo.gl/maps/L5ipiMcukWR2>

### Contact Details

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## *Acknowledgement*



We acknowledge the support provided by all the members of the Board of Governors in launching the National Innovation Talent Contest for Polytechnics in this year.

We are thankful to the Ministry of Human Resource & Development, Department of Higher Education, Government of India, for its supportive role in this regard. Our special thanks are due to Mr. Harshavardhan Neotia and the Chairman, Board of Governors of the Institute for his continuous inspiration and encouragement to make such a nationwide initiative.

The support provided by faculty and staff members of the Institute are also appreciated.

**Professor Dipankar Bose**

**Coordinator**

*2<sup>nd</sup> National Innovation Talent Contest for Polytechnics*

*National Institute of Technical Teachers' Training & Research, Kolkata*

# Introduction

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, (formerly known as Technical Teachers' Training Institute, Eastern Region, Calcutta) was established in 1965 by the then Ministry of Education, Govt. of India. Its primary focus is to provide in-service training to the teachers and staff of Polytechnic Institutions. In 2003, Ministry of Human Resource Development, Govt. of India, accorded national status to this Institute in recognition to its expert services for overall improvement of the quality of Technical Education System. NITTTR, Kolkata's other focal activities include staff development programmes, development of learning resource materials, curriculum development, research, educational management, and rendering extension services to various academic bodies. At present NITTTR, Kolkata is also offering four AICTE approved regular Postgraduate Programmes.



The Institute has two Extension Centers, one at Guwahati and another at Bhubaneswar to cater the training need of the respective regions.

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, (Established by the Ministry of Human Resource Development, Government of India) is one of the best known institutes in the country who is engaged in uplifting of the

polytechnic education system of the

country by imparting training to polytechnic teaching fraternity. To ensure motivation in skill training among the students, teachers, technical staff members and to foster innovation literacy for improved downstream innovation and productivity in the industries, the Institute has organized 1<sup>st</sup> National Innovation Talent Contest (1<sup>st</sup> NITCP) among various polytechnics in the country in February 2017. After successfully conducting 1<sup>st</sup> NITCP, NITTTR Kolkata cordially inviting polytechnics all over the country to participate 2<sup>nd</sup> National Innovation Talent Contest for Polytechnics (2<sup>nd</sup> NITCP).



## Key Objectives

- To identify the levels of skills and innovation potentials of the students, teachers, technical staff members of polytechnic institutes.
- To develop cost effective technological support to the society in the domain of conventional Engineering and Technology.
- To foster innovation literacy for improved downstream work and productivity in industry.

*“Through our skill development initiatives, we are strengthening our surplus manpower with skills & abilities to tackle global challenges.” – Prime Minister Narendra Modi*

## Output and Outcome

*“A winner is someone who recognizes his God-given talents, works his tail off to develop them into skills, and uses these skills to accomplish his goals.” - Larry Bird*

- Confidence building by increasing the innovation potential of the students, teachers and technical staff members of the respective polytechnic;
- Development of cost effective and innovative technology for the benefit of the society.
- Helping the industry gaining the access of young and bright polytechnic talents to launch new products and services into the marketplace through the Incubation Centre at NITTR, Kolkata where the champions are expected to develop the final product.

## Theme and Potential Areas

- Emphasis on research and development of appropriate technology or rural technology for rural development (some differentiate appropriate technology with rural technology, in common they are almost similar with the characteristic feature of being sustainable).
- Development of the establishment of a new technology extension service system (which may differ from the common technology transfer system for natural resource exploitation and management).

The potential areas for the application of rural technology in different sectors are:

1. **Agriculture:** Mobile application and or device for precision agriculture and farming, improved techniques of cultivation, agricultural machines and tools etc.
2. **Health:** Pure drinking water, improvement in sanitation, Cloud Computing Technology for Health etc.
3. **Energy:** Development of practical application of renewable sources like solar, wind, tidal, geothermal, water power, bio-mass/gas, urban waste etc. for lighting and motive power.
4. **Low cost housing and technology village:** Developing rural housing towards designing, constructing and fabricating cheap and affordable houses in rural areas using locally available materials and resources, technology village etc.
5. **Roads and communication:** improvement in village roads, transport and communication systems.

## The Innovations should not be

1. Unnecessary duplication of efforts,
2. Programme redundancy,
3. Uneconomical/wasteful/ use of limited resource,
4. Continued dependency on foreign technology and above all,
5. Absence of national capability to bring about sustained, self reliant and popular-based socio-economic development.

## Key Dates

Start date of Registration: 16<sup>th</sup> July, 2018

Last date of Registration: 30<sup>th</sup> September, 2018

Notification of Registration Status: 15<sup>th</sup> October, 2018

Date of Contest: 23<sup>rd</sup> and 24<sup>th</sup> February, 2019

## Terms & Conditions:

1. Composition of the team
  - a. 1 faculty member as coordinator
  - b. 1 technician or 1 faculty member
  - c. 3 students
2. Partial travel support upto Rs. 3000 and accommodation during the contest will be provided
3. IPR, if any, will be with NITTTR Kolkata and the participating Institute
4. No seed money will be provided for designing the model
5. Model (functioning) has to be submitted to the host Institute and will be the property of NITTTR, Kolkata
6. Reimbursement of maximum Rs. 25000 will be provided upon submission of the original attested bill, of actual expanses

Please register online or download this form at <http://www.nitttrkol.ac.in/nitcp2019> and send it after filling on or before **30<sup>th</sup> Sept, 2018** by email to [nitcp@nitttrkol.ac.in](mailto:nitcp@nitttrkol.ac.in)

February 23-24, 2019 | NITTTR, Kolkata

**Registration Form****1. PERSONAL INFORMATION OF FACULTY SUPERVISOR**

FULL NAME	(Kindly write your full name in CAPITAL Letters)	
DESIGNATION	MOBILE NO	E-MAIL ADDRESS

**2. PERSONAL INFORMATION OF TECHNICIAN/ FACULTY MEMBER**

FULL NAME	(Kindly write your full name in CAPITAL Letters)	
DESIGNATION	MOBILE NO	E-MAIL ADDRESS

**3. PERSONAL INFORMATION OF STUDENT PARTICIPENTS**

(Kindly write your full name in CAPITAL Letters)	MOBILE NO	E-MAIL ADDRESS
(Kindly write your full name in CAPITAL Letters)	MOBILE NO	E-MAIL ADDRESS
(Kindly write your full name in CAPITAL Letters)	MOBILE NO	E-MAIL ADDRESS

**4. STATE****5. NAME OF THE INSTITUTE**

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**6. OFFICE ADDRESS (FOR COMMUNICATION)**

(Dept./Div./Unit/ + Street Name &amp; Number + City + PIN Code)

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**7. PROJECT TITLE**

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**8. BRIEF OF THE PROJECT**

(Write within 100-200 words, please add an annexure for detail explanation, if required)
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**9. PROJECT DISCIPLINE**
 CIVIL       CS       EE       ME       Inter Disciplinary
**10. PROJECT COORDINATOR BANK DETAILS**Account Type: Saving A/c  Current A/c  IFSC Code:  MICR Code: Bank A/c Number: Name of A/c Holder: Bank Name: Branch Name and Address:

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**11. CERTIFICATION BY PROJECT TEAM MEMBERS**

We certify that we will comply with all necessary policies and procedures in discharging our responsibilities under the scheme "National Innovation Talent Contest for Polytechnics 2019" organized by NITTTR Kolkata.

1. Student	2. Student
Name	Name
(Full Signature)	(Full Signature)
(Department)	(Department)
3. Student	
Name	
(Full Signature)	
(Department)	
4. Technician/Faculty Member	5. Faculty Member- Coordinator
Name	Name
(Full Signature)	(Full Signature)
(Department)	(Department)

**12. CERTIFICATION BY INSTITUTE HEAD**

I certify that the project can be accommodated within the general facilities in my organizational unit and that sufficient laboratory facility is available for the proposed work.

**Signature of Institute Head**

(Name)

(With Date and Stamp)

**Name of Institute Head****Terms & Conditions:**

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  - b. 1 technician or 1 faculty member
  - c. 3 students
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