

# **RESEARCH, INNOVATION AND EXTENSION**

## **TRIDENT ACADEMY OF TECHNOLOGY (TAT), BHUBANESWAR CRITERIA - 3**



### ***3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years***



**TRIDENT ACADEMY OF TECHNOLOGY (TAT),  
BHUBANESWAR-751024**

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non- Government)	Total Amount in Lakhs
An intelligent IoT based system for Sensing Hazardous Gases in Manhole and Analysis	PI- Dr. Sakuntala Mahapatra Co-PI's: Asst. Prof Shaik Mohammed Ali , Asst. Prof. Shuvendra Kumar Tripathy and Dr. Dayal Kumar Behera	Electronics and Tele Communication	2018	15.96	2018-2023	Device Development Programme (DDP),Department of Science and Technology (DST), Government of India	Govt	15.96
Fund for Improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	PI- Dr. Sakuntala Mahapatra	Electronics and Tele Communication	2019	56	2019-2024	Department of Science and Technology (DST), Government of India	Govt	
IoT Based Smart Dustbin for Smart City	PI- Dr. Sakuntala Mahapatra Co-PI's:Asst. Prof Shaik Mohammed Ali and Asst. Prof. Shuvendra Kumar Tripathy	Electronics and Tele Communication	2019	2.89	2019-2020	BPUT, Odisha under TEQIP-III scheme	Govt	
Development of a Proof of Concept Model for the Implementation of Smart Nano Grid Automation System for Monitoring, Control and Automation	PI-Dr. Abhaya Kumar Samal	Computer Science and engineering	2019	3	2019-2020	BPUT, Odisha under TEQIP-III scheme	Govt	
Automatic door opening and closing of vehicle using IOT & AI	PI-Dr. RabinarayanSatpathy	Computer Science and engineering	2019	3	2019-2020	BPUT, Odisha under TEQIP-III scheme	Govt	

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“Upgradation of control and instrumentation lab”	PI- Dr. Deba Pattanayak	Electrical Engineering	2019	10.86	2021-2023	MODROBs scheme , AICTE	Govt
STTP Short Term Teacher Programme	PI-Dr. RabinarayanSatpathy	Computer Science and engineering	2019	1.81	2020-2021	BPUT, Odisha under TEQIP-III scheme	Govt
Load flow analysis of Malkangiri cluster of Megalift irrigation project	PI- Mir Manjur Elahi	Electrical & Electronics Engineering	2019	5.20	2019-2020	GVPR Engineers Ltd.	Non-Govt
Capacity Building on Web GIS using google Map API	PI-Subhra Swetanisha	Computer Science and engineering	2019	11.00	2019-2020	SPARC, Bhubaneswar	Non-Govt
Online Monitoring of Power line Phase Synchronization status	PI-Dr. Abhaya Kumar Samal	Computer Science and engineering	2019	18.44	2019-21	Inland Engineers	
Skill Development Project- Odisha	PI- Dr. Dipti Mayee Sahoo	MBA	2019	329.81	2019-2022	ORMAS	Govt
Skill Development Project- Chhatisgarh	PI- Dr. Nargis Begum	MBA	2019	104.60	2019-2023	CSRLM	Govt
Skill Development Project- Uttarakhand	PI- Dr. Sonam Subhadarsini	MBA	2019	54.32	2019-2021	USRLM	Govt
Skill Development Project- Assam	PI- Dr. Sonam Subhadarsini	MBA	2019	105.19	2019-2023	ASRLM	Govt
PMKVY-TI	PI- Dr. Dipti Mayee Sahoo	MBA	2019	5.92	2019-2020	AICTE	Govt
Design and Development of Real-Time Ground Behavior Monitoring System for Underground Metal Mines: An Innovative ICT-Based Solution	PI-Dr. Abhaya Kumar Samal	Computer Science and engineering	2020	49.88	2021-2024	Ministry of Mines, Government of India, 16 June 2022	Govt
Earthing calculation of pump house	PI- Mir Manjur Elahi	Electrical & Electronics Engineering	2020	6.30	2020-2021	GVPR Engineers Ltd.	Non-Govt
Development of general purpose configurable sensor Node module for WSN setup	PI-Dr. Abhaya Kumar Samal	Computer Science and engineering	2020	14.00	2020-2021	Trident Software Park Limited, Bhubaneswar	Non-Govt

712.03382

153.92

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MASON	PI- Dr. Dipti Mayee Sahoo	MBA	2020	5.73	2021-2023	ORMAS	Govt	71.03
Skill Development Project- Odisha	PI- Dr. Dipti Mayee Sahoo	MBA	2020	15.24	2020-2022	ORMAS	Govt	
Skill Development Project- Chhatisgarh	PI- Dr. Nargis Begum	MBA	2020	58.58	2020-2023	CSRLM	Govt	
Skill Development Project- Uttarakhand	PI- Dr. Sonam Subhadarsini	MBA	2020	4.19	2020-2021	USRLM	Govt	
STTP Short Term Teacher Programme	PI- Dr. Sakuntala Mahapatra	Electronics and Tele Communication	2021	3.25	2020-2021	FDC, Faculty Development Cell, AICTE	Govt	
STTP Short Term Teacher Programme	PI- Dr. Deba Pattanayak	Electrical Engineering	2021	2.06	2021-2022	FDC, Faculty Development Cell, AICTE	Govt	
Finalization of conductor and cable from main source grid to Main Step Down Sub-station and Main Step Down Sub-station to PH	PI- Lohit Kumar Sahoo	Electrical & Electronics Engineering	2021	8.10	2021-2022	Inland Engineers	Non-Govt	
PMKVY CSSM	PI- Dr. Nargis Begum	MBA	2021	2.52	2021-2022	OSDA	Govt	
PRAYAS	PI- Dr. Dipti Mayee Sahoo	MBA	2021	48.10	2021-2023	OTDS	Govt	
MASON	PI- Dr. Dipti Mayee Sahoo	MBA	2021	7.00	2021-2022	ORMAS	Govt	
Optimization of Main Step Down Sub-station locations of Cluster-21 Mega lift irrigation project	PI- Lohit Kumar Sahoo	Electrical & Electronics Engineering	2022	5.60	2022-2023	Inland Engineers	Non-Govt	5.6

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Bhubaneswar-751024



**Pramod S**  
Scientist-C  
Technology Development Programme  
Phone : (011) 26590219 (Direct)  
E-mail: Pramod.snkr@gov.in

भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
विज्ञान और प्रौद्योगिकी विभाग  
टेक्नोलॉजी भवन, नया महरौली मार्ग  
नई दिल्ली-110 016

Tel : 26590219, 26567373,  
26562134, 26562122 (EPBAX)  
Fax : 26569908, 26515637,  
26863847, 26862418  
website : www.dst.gov.in



GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD  
NEW DELHI-110 016

19.01.2021

**No. DST/TDT/DDP-39/2018**

**Sub: Financial support for the project titled "An intelligent IoT based system for Sensing Hazardous Gases in Manhole and Analysis".**

**Dear Dr. Mahapatra,**

I am pleased to inform you that Department of Science & Technology under DDP Program. Has sanctioned the above mentioned project at a Rs. 15,96,844/- (Rupees Fifteen lakh Ninety Six Thousand Eight Hundred and Forty Four only) A Copy of sanction for recurring and Non-Recurring both has been already sent in mail. As per DST guidelines, the date of start of the project is the date of receipt of the fund through RTGS transfer to the Host institution. Please intimate the date of start of the project to DST immediately-

Under the manpower head, 1-Junior Research Fellow (JRF) (Consolidated) Consultant has been sanctioned. Kindly recruit the manpower as per DST norms (OM No. SR/S9/Z-08/2018 dated 30.01.2019 and SR/S9/Z-05/2019 dated 10.07.2020)

Detailed norms of emolument and guidelines on service condition for search personnel engaged in R & D programme 

manpower	available
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 at:<http://www.dst.gov.in/sites/default/files/OM-Revision%20of%20Research%20Fellowships-2019.pdf>

Foreign travel is not permitted out of the grant sanctioned under "Travel Head" of the project. For any consumable item costing more than Rs. 20,000/- a copy of the purchase order may kindly be furnished to undersigned. Diversion of funds from one head to another head is normally not allowed. The diversion of funds from recurring head i.e. Manpower, contingencies, consumables, travel etc. is also not allowed. However, any re-allocation of grants under different heads requires prior approval of this Department. The Statement of Expenditure and Financial year wise Utilization Certificate may be submitted to DST at the end of every financial year. You are requested to submit UC in Public Financial Management System (PFMS) and submit the progress report to DST.

You may be called for review after the completion of the project meanwhile, you are requested to update us regarding progress of the project at half yearly basis at the end of the project, you are requested to submit project completion report (PCR) along with the final UC and SE to the DST.

We wish you a grand success during the implementation of the above project.

With Regards,

Yours Sincerely,

*Pramod S*  
(Pramod S)  
19/01/2021

**Dr. Sakuntala Mahapatra**  
Department of Electronics and Telecommunication Engineering,  
Trident Academy of Technology, F-2/A,  
Chandaka Industrial Estate, Near Infocity Area,  
Chandrasekharpur,  
Bhubaneswar-751024, Odisha

**ATTESTED**

*Sakuntala Mahapatra*  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024  
10/02/2021

You can also follow us on

Government of India  
Ministry of Science & Technology  
Department of Science & Technology  
Technology Bhavan, New Delhi  
Dated. 07.01.2021.

**ORDER**

Sub: - Financial support for the project entitled "An Intelligent IoT based system for Sensing Hazardous Gases in Manhole and Analysis" by Dr. Sakuntala Mahapatra, Department of ETC, Trident Academy of Technology, Bhubaneswar-751024, Orissa- Release of the first installment regarding.

Sanction of the President is hereby accorded to the approval to the above mention project at a total cost of **Rs.15,96,844/- (Rupees Fifteen lakh Ninety Six Thousand Eight Hundred and Forty Four only)** for the duration of **2 years**. The detailed breakup of the grant for general as well as capital components are given below:-  
**Total Project Cost= Rs. 15, 96,844/-**

Non-Recurring Total Cost = Rs. 11, 96,844/-  
Recurring Total Cost = Rs. 4,00,000/-

SN	Item	Recurring Head( In Rs.)		Total
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
1.	Manpower 1 JRF@31,000+ 16% HRA)	4,31,520	4,31,520	8,63,040
2.	Consumables	35,000	25,000	60,000
3.	Contingencies	35,000	30,000	65,000
4.	Travel	50,000	50,000	1,00,000
5.	Overhead Charges	55,152	53,652	1,08,804
	<b>Total</b>	<b>6,06,672</b>	<b>5,90,172</b>	<b>11,96,844</b>


2. The sanction of the President is also accorded to release **Rs.6,06,672/- (Rupees Six Lakh Six Thousand Six Hundred and Seventy-Two Only)** to the "Chairperson, Trident Academy of Technology, Chandaka Industrial Estate, Bhubaneswar-751024, Orissa " being the first installment of "General Component" the project with the stipulation that continuation of the project beyond 31/03/2021 will be subject to appraisal and approval of the umbrella scheme "Innovation, Technology Development and Deployment" under which the project is funded.

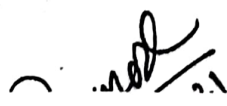
3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grant received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s) separate SE/UC has to be furnished for the release Capital head grant.

**ATTESTED**

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024





Mohammed Ali &lt;alimohammed4@gmail.com&gt;

**Fwd:**

1 message

**HOD(ETC) Trident Academy of Technology** <hodetc@tat.ac.in>  
To: Mohammed Ali <alimohammed4@gmail.com>

Thu, Jan 23, 2020 at 9:51 AM

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

From: **dst Fist** <dstfist662@gmail.com>  
Date: Thu 22 Aug, 2019, 4:48 PM  
Subject: Fwd:  
To: <hodetc@tat.ac.in>

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

From: **dst Fist** <dstfist662@gmail.com>  
Date: Mon, Aug 5, 2019 at 3:28 PM  
Subject:  
To: <rabinarayan.satpathy@gmail.com>

Dear Sir/Madam

This refers to your above mentioned project. **Tridentacadmy of Technology Bhubneswar. Orissa, 425405**, has been sanctioned a total amount of **Rs. 56.0 Lakhs** to augment research facilities in the College in 50:50 mode. Being a private institute, you are requested to submit a new Bond on a Stamp Paper of Rs. 10/- as per the format attached. Out of the total sanctioned amount of Rs. 27.0 Lakhs (**DST's** contribution is: Rs.27.0 Lakh & The **Tridentacadmy of Technology Bhubneswar. Orissa,425405**, contribution is Rs. 27.0 Lakhs).

Already submitted bond seems to be in wrong format/with mistakes, An example PDF (**for an amount 45,00,000/- and their share is 22,50,000/-**) and a blank format is attached, please read both documents **carefully**, fill up the blank format in bond paper with signature of competent authorities. Please send **this** document as single PDF file below 20mb to this mail and CC toshiva.prasad@nic.in,a.bhattacharyya@nic.inbefore 09/08/2019.

**Kindly take it as most urgent**

With Kind Regards

DST TEAM

2 attachments

**BOND (2).pdf**  
42K

**bondexample (1).pdf**  
1652K

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Bhubaneswar-751024



**BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA**  
**ROURKELA**

**TEQIP-3**  
Technical Education Quality Improvement Programme

**NOTIFICATION**

**No. : BPUT-XIX-TEQIP-III/17/19/89**

**Date: 18.10.2019**

In pursuance to recommendation of the Expert Committee for award of projects/ proposals under Collaborative Research and Innovation Scheme(CRIS), TEQIP-III, Biju Patnaik University of Technology(BPUT), Rourkela in the field of Electrical Engineering, Mechanical Engineering, Civil Engineering, Computer Science Engineering and application, Electronics and communication Engineering, and subsequent approval of Hon'ble Vice Chancellor, the following (Annexure-1) project proposals are approved for grant/award as per the guidelines for Collaborative Research and Innovation Scheme(CRIS), TEQIP-III.

*E. Patra*  
 18/10/2019

Co-Ordinator

TEQIP-III

**Memo No: No. : BPUT-XIX-TEQIP-III/17/19/89(A)**

**Date: 18.10.2019**

Copy forwarded for information and necessary action to the:

1. OSD to Vice Chancellor for kind information of Hon'ble Vice Chancellor
2. Registrar/ Nodal Officer Finance.
3. SPA, SPIU, Odisha
4. Information Officer, BPUT, Odisha will request for web circulation

*E. Patra*  
 18/10/2019

Co-Ordinator

TEQIP-III

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**ANNEXURE-1**

Sl No	Name of the PI with address	Name of the Co- PI Address	Title of the Project	Branch	Amount
1	Dr. Sakuntala Mahapatra, Regular, TAT, BBSR	1. Ananya Dastidar, Regular, College of Engineering & Technology, BBSR 2. Shuvendra Kumar Tripathy, Regular, Trident Academy of Technology 3. Shaik Mohammed Ali, Regular, Trident Academy of Technology	IOT based Smart Dustbin for Smart City.	ECE	2,88,650/-
2	Dr. Nabnit Panigrahi, Regular GIFT, BBSR	Dr. Srutiranjana Mishra, Regular, GIET, Baniatangi	Energy and Exergy analysis of a CI engine fuelled with blend of liquid Hydro Carbon waste plastic fuels and Mahua biodiesel.	Mechanical	2,40,000/-
3	Amar Kumar Das, Regular GIFT, BBSR	Dr. Sudhansu Sekhar Sahoo, Regular, College of Engineering & Technology Dr. Dulari Hansdah, Regular, NIT, Jamsedpur	Studies on the improvement of engine performance, emission and combustion characteristics of CI engine using Plastic oil blended diesel.	Mechanical	2,50,000/-
4	Dr. Sujit Kumar Bhuyan, Regular BIT, Bhadrak	Dr. Bhagabat Panda, Regular, Paraja Maharaja Engineering College Dr. Babita Panda, Regular, KIIT University	Design and Implementation of Hybrid Energy System used for Electrification in Rural areas.	Electrical	2,15,000/-
5	Dr. Tapas Kumar Mishra, Regular NIST, Berhampur	Dr. Niranjana Panigrahi, Regular, Paraja Maharaja Engineering College	On Street Parking Data Analysis using Machine Learning Approaches for Parking Behavioural Study in Smart Cities.	Computer Science	2,97,000/-
6	Dr. Sachi Nandan Mohanty, Regular GIFT, BBSR	Dr. Sambit Kumar Mishra, Regular, Gandhi Institute of Engineering & Technology, Baniatangi Dr. Sarika Jain, Regular, NIT, Kurukshetra	A digital health advisor in the domain of depression patient	Computer Science	2,58,000/-
7	Bhimavarapu Sambu Reddy, Regular NIST, Berhampur	Ranjan Kumar Swain, Regular, Paraja Maharaja Engineering College	Design of Orthopaedic Material for Artificial Hip Prosthesis.	Mechanical	2,70,000/-

1 ATTESTED

*Charan*

*Prasanna*

8	Dr. Ambarish Gajendra Mohapatra, Regular Silicon Institute of Technology	Dr. Pradyumna Kumar Tripathy, Regular, Silicon Institute of Technology Mr. Tarini Charan Mishra, Regular, Silicon Institute of Technology Dr. Somanath Tripathy, Regular, IIT, Patna Dr. Asish Khanna, Regular, Maharaja Agrasen Inst. Of Tech., Sec-22, Rohini, ND	Design and Development of fibre bragg grating based cardiac probe for MRI Environment.	ECE	1,80,000/-
9	Dr. Rabinarayan Satpathy, Regular TAT, BBSR	Dr. Sivkumar Mishra, Regular, CAPGS, BPUT Mr. Pradipta Kumar Mishra, Regular, Trident Academy of Technology. Mr. Satya Sundar Mishra, Regular, Trident Academy of Technology	Automatic door opening and closing of vehicle using IOT & AI.	Computer Science	3,00,000/-
10	Dr. Sachindra Kumar Rout, Regular C.V Raman College of Engineering	Balaji Kumar Choudhury, Regular, Parala Maharaja Engineering College Dr. Suraj Kumar Behera, Regular, NIT, Rourkela	Development of an affordable liquid nitrogen generator for medical, veterinary and life science application.	Mechanical	3,00,000/-
11	Dr. Abhaya Kumar Samal, Regular TAT, BBSR	Prof. (Dr.) Banshidhar Majhi, Regular, National Institute of Technology, RKL Dr. Sivkumar Mishra, Regular, CAPGS, BPUT Mr. Gyananjaya Tripathy Trident Academy of Technology Mr. Swagat Kumar Jena, Regular, Trident Academy of Technology	Development of a proof of a concept of Model for the implementation of Smart Nano grid automation system for monitoring, control and operation	Computer Science	3,00,000/-
12	Dr. Manmatha Kumar Roul, Regular GITA, BBSR	Dr. Ashok Kumar Barik, Regular, College of Engineering & Technology	Numerical Investigation of Heat Transfer Enhancement by nano-practical Enhanced Ionic Liquids in a Return U-bend of different cross section.	Mechanical	2,15,000/-

*Chandra*

*Prasanna*

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Principal

Trident Academy of Technology  
Bhubaneswar-751024

13	Gopinath Palai, Regular GITA, BBSR	Tapas Kumar Patra, Regular, CET, BBSR	A novel technique to estimate the concentration of fluoride in mines water with the combination of photonics and machine learning technique.	ECE	2,92,270/-
14	Joygopal Jena, Regular GITA, BBSR	Dr. Deba Prakash Satapathy, Regular, CET, BBSR	Behaviour of irrigation canals in case of canal Designed as Lined Operated Unlined.	Civil	3,00,000/-

*Sharma*

*P. Jena*

**ATTESTED**



All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)

MODROB - Sanction Letter

Date: 20.07.2020

F.No.9-126/IDC/MODROB/Policy-1/2019-20

To  
The Drawing and Disbursing Officer,  
All India Council for Technical  
Education, Nelson Mandela Marg,  
Vasant Kunj, New Delhi - 110070

**Sub:** Release of a sum of **Rs.868706/- (Rupees Eight Lakh SixtyEight Thousand Seven Hundred Six Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2020-21**- reg.

Sir,  
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1085882/- (Rupees Ten Lakh EightyFive Thousand Eight Hundred EightyTwo Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>TRIDENT ACADEMY OF TECHNOLOGY, F2A, INFRONT OF INFOCITY, CHANDAKA INDUSTRIAL ESTATE, CHANDRASEKHARPUR, BHUBANESWAR-751 024</b>		
2.	Title of Project:	"Up gradation of Control and Instrumentation Lab"		
3.	Name of Coordinator:	Dr. DEBA PATTANAYAK		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.1085882/-	Non-Recurring (85%): Rs.922999/-	Recurring (15%): Rs.162882/-
5.	Amount to be released during the year 2020-21:	<b>1<sup>st</sup> Installment</b> Rs.868706/-	Non-Recurring (85%): Rs.738400/-	Recurring (15%): Rs.130305/-
6.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
2. This **Grant-in-Aid** is being released in conformity with the terms & conditions as well as norms of the scheme as **already** communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**I. Release of funds**

- a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

**ATTESTED**

F.No.9-126/IDC/MODROB/Policy-1/2019-20  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024

Institute IN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATD73 38L	UNION BANK OF INDIA	INFOCITY BRANCH, BHUBANESW AE	INFOCITY BRANCH, BHUBANESWAR, ORISSA. 751024	TRIDENT ACADEMY OF TECHNOL OGY	Current Account	380801011030 001	UBIN055 9512

In case of any omission the same should be reported to AICTE immediately.

- The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

## II. Maintenance of accounts

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-126/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

## III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

**ATTESTED**

F.No.9-126/IDC/MODROB/Policy-1/2019-20  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024

As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
  - (i) Principal/Director/Registrar of the Institution(Chairperson)
  - (ii) Coordinator of the project (Member Secretary),
  - (iii) Two HODs and one subject expert(Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

#### V. General instructions

- a. The **amount of interest** accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of

**ATTESTED**

No.9-126/IDC/MODROB/Policy-1/2019-20  
Principal  
Talent Academy of Technology  
Bhubaneswar-751022

the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.

- e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

**List of Equipment's approved:**

Name of Equipments
Sweep Frequency Response Analyzer
Power Analyzer
Energy Monitoring System
Systems

Yours sincerely,

*Neeraj*  
Dr. Neeraj Saxena  
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

- Name and Address of the Coordinator,**  
Dr. DEBA PATTANAYAK  
TRIDENT ACADEMY OF TECHNOLOGY, F2A, INFRONT OF INFOCITY, CHANDAKA INDUSTRIAL ESTATE, CHANDRASEKHARPUR, BHUBANESWAR-751 024
- The Registrar / Director / Principal,**  
**Name and Address of the Coordinator,**  
Dr. DEBA PATTANAYAK  
TRIDENT ACADEMY OF TECHNOLOGY, F2A, INFRONT OF INFOCITY, CHANDAKA INDUSTRIAL ESTATE, CHANDRASEKHARPUR, BHUBANESWAR-751 024
- Guard File**

*Neeraj*  
Dr. Neeraj Saxena  
Advisor - II (IDC)

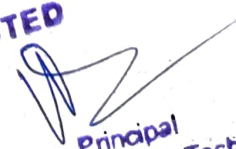
**ATTESTED**

*Neeraj*  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024

No. 9-126/IDC/MODROB/Policy-1/2019-20

13	
Project No.	SNTMOM/517/2021
Project Title	Design and Development of Real-Time Ground Behaviour Monitoring System (RT-GBMS) for Underground Metal Mines - An Innovative ICT based Solution
Institution	Trident Academy of Technology, Bhubaneswar (NGO - Dinabandhu Foundation for Educational Research and Socio economic Development) and National Institute of Technology Rourkela
Principal Investigator	Abhaya Kumar Samal E Mail- abhaya@tat.ac.in Singam Jayanthu
Project Cost & Duration	Rs.4988689.98 (Duration: 3 Yrs, 0 Mth )
Objectives of the project	<ul style="list-style-type: none"> <li>To monitor the ground behavior in real-time using electronic instrumentation and ICT based innovative approaches.</li> <li>To design and develop the real-time ground behavior monitoring system (RT-GBMS) for the underground metal mines (UGMM) for online monitoring to form the basis of an effective early warning system.</li> <li>Conduct field study and performance monitoring of the RT-GBMS</li> </ul>
<b>REMARKS/SUGGESTION:</b>	
<b>Recommended with Modification</b>	
<ol style="list-style-type: none"> <li>Panel appreciated the proposed work</li> <li>Project is recommended for approval with a revised budget of Rs 39.88 Lakhs</li> <li>The MoM fund will be released only after the industry budget of Rs. 10 Lakhs is confirmed for release by MOIL.</li> <li>The deliverables can be useful for mining sector</li> <li>The PI should revise the deliverables / scope of work to include validation trials that the entire working module will be confirmed by MOIL in the field at their mine before the submission of the final report.</li> </ol>	

**ATTESTED**

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024

Government of India  
Ministry of Mines

F. No. Met4- 14/11/2022

New Delhi, Dated: 19<sup>th</sup> May 2022

To

The Pay & Accounts Officer,  
Principal Accounts Office,  
Ministry of Mines,  
Lok Nayak Bhavan, Khan Market, New Delhi.

Subject: Administrative Approval / Financial Sanction for the Project "Design and Development of Real-Time Ground Behaviour Monitoring System (RT-GBMS) for Underground Metal Mines- An Innovative ICT based Solution", jointly by Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development) and National Institute of Technology, Rourkela. approved in the 53rd Standing Scientific Advisory Group meeting held on 20.01.2022.

Madam / Sir,

I am directed to convey the approval of the President for the implementation of the Project titled "Design and Development of Real-Time Ground Behaviour Monitoring System (RT-GBMS) for Underground Metal Mines- An Innovative ICT based Solution", at a cost of Rs. 49.88 lakh (MoM- Rs. 39.88 lakh + MOIL - Rs. 10 lakh) for a duration of 3 years from the zero date, out of which Rs. 39.88 lakh shall be a grant-in-aid of this Ministry to Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development) and National Institute of Technology, Rourkela being the implementing agencies under the scheme Science and Technology Programme.

2. The pattern of release of the grant-in-aid shall be as follows:-

Trident Academy of Technology, Bhubaneswar

Item	(Amount in lakhs)		
	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> year
Capital Cost	16.891	-	-
Recurring Cost	7.218	7.161	8.61
Total	24.109	7.161	8.61
Grand Total	39.88		

National Institute of Technology, Rourkela - NIL

3. I am further directed to convey the approval of the President to the release of Rs. 24,10,900/- (Rupees Twenty-four lakh ten thousand nine hundred only) as 1<sup>st</sup> year installment to Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development).

DW 217  
19.5.2022

Contd. 2/

ATTESTED

Principal  
Trident Academy of Technology  
Bhubaneswar-751024

The details of expenditure of Rs. 24,10,900/- is as under:

S.No.	Budget Head	1st year Installment
1	Capital	Rs. 16,89,198
2	Contingency	Rs. 50,000
3	Dissemination of Research	Rs. 50,000
4	Expendables/Consumables	Rs. 75,000
5	Fabrication, Operational Job works, Field work, AMCs, Repairs and Maintenance etc	Rs. 50,000
6	Human Resource	Rs. 3,72,000
7	Travel	Rs. 75,000
8	Institution Over/Head	Rs. 49,702
	Total	Rs. 24,10,900

4. The amount of Rs. 24,10,900/- (Rupees Twenty-four lakh ten thousand nine hundred only) will be debitible under Demand No. 69 of Ministry of Mines for the year 2022-23 as under:

'2853' Non-Ferrous Mining and Metallurgical Industries (Major Head) 02-Regulation and development of mines (Sub-Major head) 02.102-Mineral Exploration (Minor Head) 04-Other Programmes/Bodies 04.04-Other Research Programmes 04.04.31-Grants-in-aid-General.

5. Certified that the pattern of assistance under which the Grant-in-aid has been sanctioned has the prior approval of Ministry of Finance. As per GFR 2017-Rule 238(1), the Utilization Certificate in form No. 12-A is to be furnished by the Institute / Organization. The Utilization Certificate should be submitted within twelve months of the closure of the financial year by the Institution/Organization. Where such certificate is not received within the prescribed time, the Ministry will be at liberty to black list such institution or Organization from any future grant, subsidy or other type of financial support from the Government.

6. In terms of GFR 2017 - Rule 235 and 236 (1), the Institute / Organization is required to furnish to the Accounts Officer a set of audited statement of accounts, after utilization of the ~~grants-in-aid~~ or whenever called for. Further, the accounts of the Institute / Organization shall be open to inspection, both by the Comptroller and Auditor-General of India under the provision of CAG (DPC) Act, 1971 and internal audit by the Principal Accounts Office of the Ministry of Mines, whenever the Centre is called upon to do so.

7. To monitor the physical progress, technical progress and financial progress of R&D project, Institute is required to submit the half yearly progress report on expiry of every six months from the date of sanction of the project till its completion to the Department as per the proforma. The Institute will be responsible for fruitful completion of the project with due information to Ministry of Mines.

8. Assets acquired wholly or substantially out of Government Grant shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grant-in-Aid.

DWS 215  
19.5.2022

ATTESTED

Contd... 3/

Principal  
Trident Academy of Technology  
Bhubaneswar-751024

The details of expenditure of Rs. 24,10,900/- is as under:

S.No.	Budget Head	1st year Installment
1	Capital	Rs. 16,89,198
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3	Dissemination of Research	Rs. 50,000
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6	Human Resource	Rs. 3,72,000
7	Travel	Rs. 75,000
8	Institution Over/Head	Rs. 49,702
	Total	Rs. 24,10,900

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'2853' Non-Ferrous Mining and Metallurgical Industries (Major Head) 02-Regulation and development of mines (Sub-Major head) 02.102-Mineral Exploration (Minor Head) 04-Other Programmes/Bodies 04.04-Other Research Programmes 04.04.31-Grants-in-aid-General.

5. Certified that the pattern of assistance under which the Grant-in-aid has been sanctioned has the prior approval of Ministry of Finance. As per GFR 2017-Rule 238(1), the Utilization Certificate in form No. 12-A is to be furnished by the Institute / Organization. The Utilization Certificate should be submitted within twelve months of the closure of the financial year by the Institution/Organization. Where such certificate is not received within the prescribed time, the Ministry will be at liberty to black list such institution or Organization from any future grant, subsidy or other type of financial support from the Government.

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8. Assets acquired wholly or substantially out of Government Grant shall not be disposed of without obtaining the prior approval of the sanctioning authority of Grant-in-Aid.

DWS 215  
19.5.2022

ATTESTED

Contd... 3/

Principal  
Trident Academy of Technology  
Bhubaneswar-751024

9. DDO (Drawing and Disbursing Officer) will act as DDO for the purpose of drawl of Rs. 24,10,900 /- (Rupees Twenty-four lakh ten thousand nine hundred only) for payment to the Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development), A/C Name - Trident Academy of Technology, through RTGS in Union Bank of India, Branch- Infocity Branch (Code- 559512), IFSC Code **UBIN0559512** A/c type- Current and Beneficiary Account No. **380801011030001**.

10. This issues with the concurrence of I.F.D vide their Dy. No. Met-4 - 14/11/2022 dated 18.05.2022 subject to registration and reflection of the expenditure on the EAT Module.

Yours faithfully

DR. VIKAS RAJ  
Under Secretary to the Govt. of India  
Ministry of Mines  
New Delhi-110001

*(Signature)*  
19.5.2022  
(Vikas Raj)

Under Secretary to the Govt. of India  
Email: vikas.raj@nic.in

Copy for information and further necessary action:-

1. The Director General of Audit (Mines), NO-1, Council House Street, Kolkata-700001
2. Principal, Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development), Plot-F2/A. Chandaka Industrial Estate, Infocity area, Chandrasekharapur, Bhubaneswar, Odisha-751024 - With reference to your request submitted to this Ministry. The terms & Conditions for S&T projects with regard to grant-in-aid are attached, which may be returned after acceptance (duly signed) by the Principal Investigator and the Head of the Institution.
3. DDO, Ministry of Mines for making payment to the Trident Academy of Technology, Bhubaneswar (NGO- Dinabandhu Foundation for Educational Research and Socioeconomic Development), A/C Name - Trident Academy of Technology, through RTGS in Union Bank of India, Branch- Infocity Branch (Code- 559512), IFSC Code **UBIN0559512** A/c type- Current and Beneficiary Account No. **380801011030001**.
4. I.F. Section Ministry of Mines, New Delhi with respect of their Dy. No. Met-4 - 14/11/2022 dated 18.05.2022
5. Advisor, Deptt. of Science and Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110062
6. NITI Aayog, Yojana Bhawan, New Delhi-110001
7. PPS to Secretary (Mines)
8. Sanction file.
9. Guard file.

*(Signature)*  
19.5.2022  
(Vikas Raj)

Under Secretary to the Govt. of India  
Email: vikas.raj@nic.in

DR. VIKAS RAJ  
Under Secretary to the Govt. of India  
Ministry of Mines  
New Delhi-110001

ATTESTED

*(Signature)*  
Principal

Trident Academy of Technology  
Bhubaneswar-751024

**SHORT TERM TRAINING PROGRAMME (STTP)  
STATEMENT OF EXPENDITURE**

AICTE File No.  
Title of the Programme  
Name of the Co-ordinator

:Ref.No.34-66/446/FDC/STTP/Policy-1/2019-20  
:"CHALLENGES IN SMART GRID ENVIRONMENT USING IOT"  
:Dr.DEBA NARAYAN PATTANAYAK

Sanction Order No. and Date	Grant Sanctioned	Details of expenditure Incurred Item-wise		No.of Participants	Duration of the Program (with dates)		
E.No.34-66/446/FDC/STTP/Policy-1/2019-20	Rs.2,05,833.00	Honorarium to Coordinator(2x5000)	10000	STTP-1-57	STTP-1 24.09.2021 to 30.09.2021		
		Honorarium to Experts(2x75000)	150000	STTP-2-55			
		Payment to Lab attendants engaged during lab practices(2x3000)	6000		STTP-2 04.10.2021 to 09.10.2021		
		Miscellaneous charges(9835+9912)	19747				
		<b>Total</b>	Rs. 1,85,747.00				
				<b>Grant Received</b>	Rs. 2,05,833.00		
				<b>Unutilised Amount</b>	Rs.20,086.00		

**1. Signature of Coordinator  
With Seal**

*[Signature]*  
28/9/22

**PRINCIPAL**  
TRIDENT ACADEMY OF TECHNOLOGY  
BHUBANESWAR-751024

**2. Signature of Chartered Accountant**

Name of Chartered Accountant: Dharani Dhar Sha  
Membership No.:0306013  
Plot No-459(P),  
Nayapalli  
Nuasahi  
Bhubaneswar-751012

**SHARANI AND COMPANY**  
Chartered Accountants  
FR No-0320649E

**CA. DHARANI DHARA SHA**  
M. NO-306013

**3. Signature of Head of the Institute**

Name & Designation  
Dr. D. N Pattanayak  
Principal  
Trident Academy of Technology  
F2A, Chandaka Industrial Estate  
Chandrasekharapur,  
Bhubaneswar-751024

**PRINCIPAL**  
TRIDENT ACADEMY OF TECHNOLOGY  
BHUBANESWAR-751024

**ATTESTED**

*[Signature]*  
**Principal**  
Trident Academy of Technology  
Bhubaneswar-751024

Name & Address of the Institute: **TRIDENT ACADEMY OF TECHNOLOGY**  
F2A, Chandaka Industrial Estate,  
Chandrasekharpur, Khurda,  
Bhubaneswar, Odisha-751024

**UTILISATION CERTIFICATE FOR THE FINANCIAL YEAR (2020-21).**

Name of the Scheme under which the amount was sanctioned under **SHORT TERM TRAINING PROGRAMME (STTP)**

(to be submitted separately for each sanction order)

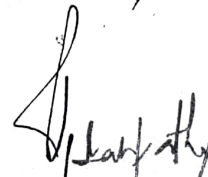
Sl. No	AICTE Sanction Order/Letter No. & Date under which the amount was sanctioned	Amount (Rs.)	
1.	F.No.34-66/445/FDC/STTP/Policy-1/2019-20	<b>Rs. 1,80,500.00/- (One Lakh Eighty Thousand Five hundred only)</b>	Certified that out of the grant-in-aid of <b>Rs. 1,80,500.00</b> sanctioned by the AICTE during the financial year 2020-21 in favor of Trident Academy of Technology as per letter mentioned in the margin, a sum of <b>Rs.184336.00</b> has been utilized for the purpose for which it was sanctioned and a sum of Rs.Nil remained unutilized.

Certified that I have satisfied myself that the conditions on which the amount was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised:-**

1. Audited Annual Accounts of the Institute
2. Receipt and Payment account
3. Periodical Progress Reports.

1. Name, Signature & Address of the claimant/ Awardee/ Coordinator with seal:

  
Dr. R.N. Satpathy  
Trident Academy of Technology  
F2A, Chandaka Industrial Estate  
Chandrasekharpur,  
Bhubaneswar-751024



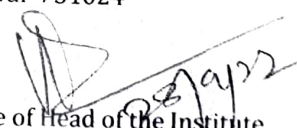
**ATTESTED**

2) Signature of Chartered Accountant

Name of Chartered Accountant: Dharani Dhar Sha  
Membership No.: 0306013  
Plot No-459(P),  
Nayapalli  
Nuasahi  
Bhubaneswar-751012

**DHARANI AND COMPANY**  
Chartered Accountants  
FR No-0320849E

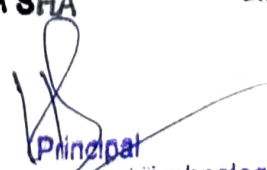
**CA. DHARANI DHARA SHA**  
M. NO-306013

  
3) Signature of Head of the Institute  
Name & Designation  
Dr. D.N Pattanayak  
Principal  
Trident Academy of Technology  
F2A, Chandaka Industrial Estate  
Chandrasekharpur,  
Bhubaneswar-751024

**PRINCIPAL**

**TRIDENT ACADEMY OF TECHNOLOGY**  
**BHUBANESWAR-751024**

Place: Bhubaneswar  
Date: 28.09.2022

  
**Principal**  
**Trident Academy of Technology**  
Bhubaneswar-751024

Name & Address of the Institute: TRIDENT ACADEMY OF TECHNOLOGY  
F2A, Chandaka Industrial Estate,  
Chandrasekharpur, Khurda,  
Bhubaneswar, Odisha-751024

UTILISATION CERTIFICATE FOR THE FINANCIAL YEAR (2020-21).

Name of the Scheme under which the amount was sanctioned under **SHORT TERM TRAINING PROGRAMME (STTP)**

(to be submitted separately for each sanction order)

Sl. No	AICTE Sanction Order/Letter No. & Date under which the amount was sanctioned	Amount (Rs.)	
1.	F.No.34-66/447/FDC/STTP/Policy-1/2019-20	Rs. 3,24,667.00/- (Three Lakhs Twenty Four Thousand six hundred sixty seven only)	Certified that out of the grant-in-aid of Rs. 3,24,667.00 sanctioned by the AICTE during the financial year 2020-21 in favor of Trident Academy of Technology as per letter mentioned in the margin, a sum of Rs. 2,78,126.00 has been utilized for the purpose for which it was sanctioned and the balance of Rs.46,541.00 remained unutilized.

Certified that I have satisfied myself that the conditions on which the amount was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised:-**

1. Audited Annual Accounts of the Institute
2. Receipt and Payment account
3. Periodical Progress Reports.

1. Name, Signature & Address of the claimant/  
Awardee/ Coordinator with seal:



2) Signature of Chartered Accountant  
Name of Chartered Accountant: Dharani Dhar Sha  
Membership No.:0306013  
Plot No-459(P),  
Nayapalli  
Nuasahi  
Bhubaneswar-751012

**DHARANI AND COMPANY**  
Chartered Accountants  
FR No-0329649E

CA. DHARANI DHARA SHA  
M. NO-306013

ATTESTED

Place: Bhubaneswar  
Date: 28.09.2022

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024

  
28/09/22

Dr. Sakuntala Mahapatra  
Trident Academy of Technology  
F2A, Chandaka Industrial Estate  
Chandrasekharpur,  
Bhubaneswar-751024  
**HOD**  
Deptt. of E 8  
TAT, BBSI

3) Signature of Head of the Institute  
Name & Designation  
Dr. D.N. Pattanayak  
Principal  
Trident Academy of Technology  
F2A, Chandaka Industrial Estate  
Chandrasekharpur,  
Bhubaneswar-751024  
**PRINCIPAL**  
TRIDENT ACADEMY OF TECHNOLOGY  
BHUBANESWAR-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS

To Whomsoever it may concern

This is to certify that the audited statement of account for the FY 2018-19, 2019-20, 2020-21, 2021-22, 2022-23, submitted by **Trident Academy of Technology (TAT), Bhubaneswar** for verification and validation of data during the accreditation process of NAAC, belongs solely to Trident Academy of Technology (TAT), Bhubaneswar which is managed by **Dinabandhu Foundation Trust.**

This certificate is issued for Data Verification and Validation of Trident Academy of Technology (TAT), Bhubaneswar during NAAC accreditation process.

Principal  
Trident Academy of Technology

**PRINCIPAL**  
**TRIDENT ACADEMY OF TECHNOLOGY**  
**BHUBANESWAR-751024**

Chartered Accountants  
Dharani and Company

**DHARANI AND COMPANY**  
Chartered Accountants  
FR No-0329649E

CA. DHARANI DHARA SHA  
M.No-306013

**ATTESTED**

Principal  
Trident Academy of Technology  
Bhubaneswar-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS


DINABANDHU FOUNDATION TRUST		
(Trident Academy of Technology)		
A/127, Sahid Nagar		
Bhubaneswar-751007		
Financial year 2018-19		
	Account Head	As per Audited Financials ( INR in Lakhs )
1	Income	
a	Course fees	1644.789772
b	Facilities Income	640.151499
c	Research Income	28.342
d	Project Income ( DDU-GKY )	104.86325
e	Other Income	26.702389
f	Donation	300
g	Interest Income	775.5489705
	Total	3,520.39788

**DHARANI AND COMPANY**

Chartered Accountants  
FR No-0529649E

  
CA. DHARANI DHARA SHA  
M.No-306013

**ATTESTED**

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS

DINABANDHU FOUNDATION TRUST		
(Trident Academy of Technology)		
A/127, Sahid Nagar		
Bhubaneswar-751007		
Financial year 2019-20		
	Account Head	As per Audited Financials ( INR in Lakhs )
<b>1</b>	<b>Income</b>	
a	Course fees	1637.130717
b	Facilities Income	622.06462
c	Research/Project Income	37.97623
d	Project Income ( DDU-GKY )	593.93146
e	Other Income	33.3044
f	Interest Income	761.1959662
	<b>Total</b>	<b>3,685.60339</b>

DHARANI AND COMPANY  
Chartered Accountants  
FR No-0329649E

CA. DHARANI DHARA SHA  
M.No-306013

ATTESTED

Principal  
Trident Academy of Technology  
Bhubaneswar-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS

DINABANDHU FOUNDATION TRUST		
(Trident Academy of Technology)		
A/127, Sahid Nagar		
Bhubaneswar-751007		
Financial year 2020-21		
	Account Head	As per Audited Financials ( INR in Lakhs )
1	Income	
a	Course fees	1142.252497
b	Facilities Income	169.08805
c	Research/Project Income	41.71793
d	Project Income ( DDU-GKY )	228.03613
e	Other Income	2.3800417
f	Interest Income	514.0865939
	Total	2,097.56124

DHARANI AND COMPANY  
Chartered Accountants  
PR No-329649E  
  
CA. DHARANI DHARA SHA  
M.No-306013

ATTESTED

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS

DINABANDHU FOUNDATION TRUST		
(Trident Academy of Technology)		
A/127, Sahid Nagar		
Bhubaneswar-751007		
Financial year 2021-22		
	Account Head	As per Audited Financials ( INR in Lakhs )
1	Income	
a	Course fees	1511.11025
b	Facilities Income	361.6809
c	Research/Project Income	9.27544
d	Project Income ( DDU-GKY )	55.09113
e	Other Income	18.53812
f	Interest Income	505.8559
	Total	2,461.55174

DHARANI AND COMPANY

Chartered Accountants  
FR No-0329849E

CA. DHARANI DHARA SHA  
M.No-306013

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Principal  
Trident Academy of Technology  
Bhubaneswar-751024



# DHARANI AND COMPANY

CHARTERED ACCOUNTANTS

DINABANDHU FOUNDATION TRUST		
(Trident Academy of Technology)		
A/127, Sahid Nagar		
Bhubaneswar-751007		
Financial year 2022-23		
	Account Head	As per Audited Financials ( INR in Lakhs )
<b>1</b>	<b>Income</b>	
a	Course fees	2033.83389
b	Facilities Income	775.38167
<b>c</b>	<b>Research/Project Income</b>	<b>22.0735</b>
d	Other Income	48.42722
e	Interest Income	590.01735
	<b>Total</b>	<b>3,469.73363</b>

DHARANI AND COMPANY  
Chartered Accountants  
FR.No-0329849E  
  
CA. DHARANIDHARA SHA  
M.No-306013

**ATTESTED**

  
Principal  
Trident Academy of Technology  
Bhubaneswar-751024