

Khs:092:HR-EDC:2017:328

Date 30 /06 /2017

**CERTIFICATE**

This is to certify that Mr. Kumar Gaurav S/o Shri Upendra Prasad Mandal, a student of 3rd year, Electrical Engineering from Gautam Buddha University, Uttar Pradesh has undergone Vocational Training at NTPC Limited, Kahalgaon from 01.06.2017 to 30.06.2017.

We wish all success in his future endeavours.

  
(Sanjib Kumar)

**Addl. General Manager (HR-EDC)**

**संजीव कुमार/SANJIB KUMAR**

अपर महाप्रबंधक (मानव संसाधन, कर्मचारी विकास केन्द्र)/AGM (HR-EDC)

एन टी पी सी लिमिटेड/NTPC Limited

कहलगाँव, भागलपुर, Kailashpur, Bihar



दिल्ली मेट्रो रेल कॉर्पोरेशन लि०  
DELHI METRO RAIL CORPORATION LTD.

( भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम )

(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

No. DMRC/HR/O&M/Trg/2017

Date: 05.07.2017

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Lalit Chaudhary, student of Electrical Engineering of Gautam Buddha University, G.B. Nagar has successfully completed his summer training in DMRC from 22.05.2017 to 03.07.2017.

His approach towards the training program was very enthusiastic.

During this period, we found him very sincere, pro-active and hardworking.

We wish him best wishes and success in his career.

Mr. R.D Chaudhary

General Manager (HR)



दिल्ली मेट्रो रेल कॉर्पोरेशन लि०  
DELHI METRO RAIL CORPORATION LTD.

(भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम)  
(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

No. DMRC/HR/O&M/Trg/2017

Date: 05.07.2017

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Gaurav Kumar, student of Electrical Engineering of Gautam Buddha University, G.B. Nagar has successfully completed his summer training in DMRC from 22.05.2017 to 03.07.2017.

His approach towards the training program was very enthusiastic.

During this period, we found him very sincere, pro-active and hardworking.

We wish him best wishes and success in his career.

Mr. R.D Chaudhary

General Manager (HR)



INDRAPRASTHA POWER GENERATION COMPANY LTD.

&

PRAGATI POWER CORPORATION LIMITED

(GOVT. OF NCT OF DELHI UNDERTAKING)

## *Certificate of Training*

This is to certify that Mr./Ms. AYUSH MISHRA


Roll No. 14/IEE/010 of GAUTAM BUDDHA UNIVERSITY has successfully completed

his/her Industrial Training in our organization from 05-06-2017 To 14-07-2017

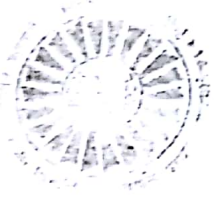
During this training his/her performance and conduct was excellent.

VWT No.: VST No.: 112-

Date: 17 / 07 / 2017

  
अलोक कुमार  
उप प्रबंधक (मा. से.)  
प्रशिक्षण विभाग (डी.पी.सी.एल.)  
Deputy Manager  
(दिल्ली सरकार द्वारा)  
राजघाट मार्ग हाऊस  
दिल्ली-110002





**INDRAPRASTHA POWER GENERATION COMPANY LTD.**  
**&**  
**PRAGATI POWER CORPORATION LIMITED**  
(GOVT. OF NCT OF DELHI UNDERTAKING)

***Certificate of Training***

This is to certify that Mr./Ms. ANANT JEE KRISHANAN  
Roll No. 14/EE/064 of GATAM BUDDHA UNIVERSITY has successfully completed  
his/her Industrial Training in our organization from 12-06-2017 To 17-07-2017.  
During this training his/her performance and conduct was excellent.

VWT No.: VST No.: 109

Date: 27/07/2017

आलोक कुमार  
उप प्रबन्धक (मा. सं.)  
आई पी जी सी यू  
राजघाट मार्ग हाउस  
Deputy Manager (HR) Training  
आई दिल्ली-110002



CIN : U60300UP201356C060836

## LUCKNOW METRO RAIL CORPORATION LIMITED

Administrative Building, Vipin Khand, Gomti Nagar, Lucknow-226010  
Phone : 0522- 2304015

No. LMRC/HR-64/2015

Dated:- 27.07.2017

### TO WHOM IT MAY CONCERN

This is to certify that Shri Rishu Shrivastava, Roll No. 14/IEE/037, a student of B.Tech. Electrical Engineering of Gautam Buddha University has successfully completed 05 weeks, Summer Training in Lucknow Metro Rail Corporation Ltd. i.e. from 22.05.2017 to 24.06.2017, during the period of his Summer Training in LMRC he was found disciplined, punctual and hardworking.

We wish him every success in life.

*B.K. Chaturvedi*  
(B.K Chaturvedi) 27-7-2017  
DGM/HR(Op.)



# SAINI SQUARE 2010

(Govt. Approved Order Supplier for Electrical, Water Supply & Other Engineering Stores)

Specialised In : Civil Construction, IT Solutions, Power Projects, Water Supply Schemes,  
Precision Fabrication, Air Conditioning & Facility Management Services

Ref. No. : E/001/2017

Dated : 27/06/2017

## Certificate of Internship

This is to certify that Mr. Aditya Saini has successfully completed an internship under the guidance of the undersigned. The 4 week duration of the internship starting from 29<sup>th</sup> May 2017 to 26<sup>th</sup> June 2017 included learning and execution of services rendered by SAINI SQUARE 2010. The company is based in New Delhi, offers Civil Construction, IT Solutions, Power Projects, Water Supply Schemes, Air Conditioning and Facility Management Services.

During this period, Aditya was a part of the project for design, estimation and execution of internal wiring of housing project. He has completed all given assignments/projects honestly which he is allowed to show/submit as a part of his academic curriculum.

We wish him all the very best for his future!

Chandra Prakash  
(co-founder)  
SAINI SQUARE 2010  
Date: 27<sup>th</sup> June 2017



# CERTIFICATE



This is to certify that **Mr. KAUSHAL KUMAR SINGH**, student of B.Tech/M.Tech third Year Electrical Engineering Branch of Gautam Buddha University Noida, has successfully completed his/her summer training as very good in Traction Distribution Including Power Supply & SCADA during the period 05.06.2017 to 03.07.2017.

I wish all the success in his/her life.

  
(S.P. Pandey)

Divisional Electrical Engineer (TRD)  
for Sr. Divisional Electrical Engineer (TRD)  
Allahabad Division, N.C.R. Allahabad



ISO-9001-2008  
ISO-14001-2004  
Certified

# सेन्ट्रल इलेक्ट्रॉनिक्स लिमिटेड Central Electronics Limited

भारत सरकार का उद्यम  
(A GOVERNMENT OF INDIA ENTERPRISE)

4, औद्योगिक क्षेत्र, साहिबाबाद - 201010 (यू०पी०)  
4, Industrial Area, Sahibabad - 201010 (U.P.)

Web Site : www.celindia.co.in  
E-mail : cel@celsolar.com  
Fax : 0120-2895148

Phone Nos. :

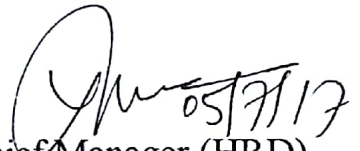
0120-2895143

No.C-5 (b)/11-76/15

Dated: 05/07/2017

## To Whomsoever It May Concern

This is to certify that Mr. Paras Sharma S/o Shri Pawan Kumar Sharma a student of Integrated M.Tech. (Electrical Engg.), Gautam Buddha University, Greater Noida, G.B. Nagar, Roll/Enrl. No. 14/IEE/030 has undergone summer/ industrial training (unpaid) from (15/05/2017) to (26/06/2017) in the Company, as per this office letter of even no. dated 15/05/2017.

  
Chief Manager (HRD)

पंजीकृत कार्यालय : 781, देशबन्धू गुप्ता रोड, नई दिल्ली-110005 दूरभाष: 011-23526836, 23549336  
Regd. Office : 781, Desh Bandhu Gupta Road, Karol Bagh, New Delhi - 110 005 Ph.: 011-23526836, 23549336  
क्षेत्रीय कार्यालय : 51, सी एम एच रोड, पहली मंजिल, इंदिरा नगर, बंगलुरु-560038 दूरभाष: 080-252 51740  
Regional Office : 51, CMH Road, 1st Floor, Indira Nagar, Bengaluru - 560038 Ph. : 080-252 51740  
CIN : U74899DL1974GOI007325



Ref No.- PSC/0058/2017-18

Dated:- 08<sup>th</sup> Aug. 2017

To,  
Mr. Harsh Maurya  
S/o Mr. A. K Maurya  
Greater Noida - 201312

**SUMMER TRAINING CERTIFICATE**

This is to certify that Mr. Harsh Maurya s/o Mr. A.K Maurya had undergone summer training from May 15, 2017 to June 26, 2017 under the guidance of Mr. Sohan Patwal (Technical Head).

He has widely interacted with the employees of PRECISION SYSTEM CONTROL and has undergone a structured and analytical study on the topic assigned to him. During his training period, we found him to be diligent, punctual and sincere.

We wish him all good luck for his future.

Thanks & Regards

PRECISION SYSTEM CONTROL

  
AVINASH

(HR)

बुधवार भवन  
विद्युत्ताप प्रयोगशाला निर्दिष्ट  
प्रमाण परीक्षा, मार्च - 2017, वर्ष  
Page (Page) : 0022-2200550



ACCESSORIES DIVISION  
HINDUSTAN AERONAUTICS LIMITED  
Post Office 144, Lucknow-226 016  
Pin. (Page) : 0022-2200550-40

तकनीकी प्रशिक्षण केन्द्र

TECHNICAL TRAINING CENTRE

प्रमाण पत्र

CERTIFICATE

नाम / Name: POOJA RAMSHAROP TRIPATHI

क्षेत्र / Area: B.TECH (ELECTRICAL )

संस्थान / Institute: GAUTAM BUDDHA UNIVERSITY

प्रशिक्षण अवधि / Training Period: 01/06/2017 To 30/06/2017

प्रशिक्षण क्षेत्र / Training Area: TECHNICAL TRAINING CENTRE

प्रशिक्षण अवधि में प्रगति / Training Performance: संतोषजनक / Satisfactory

प्रशिक्षण अवधि में भाग लेना / Conduct During Training Period:

संतोषजनक / Satisfactory

Reg. No.: JN112

दिनांक / Date: 30/06/2017

*Dr. Anurag K.*  
वरिष्ठ प्रबन्धक (प्रशिक्षण)  
SENIOR MANAGER (Trg.)

# CETPA INFOTECH PRIVATE LIMITED

(An ISO 9001:2008 Certified Company)

## Certificate of Training

This is to certify that

**HARSH VARDHAN CHAUDHARY**

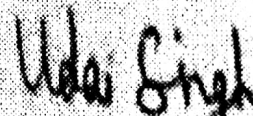
has successfully completed Four Weeks Summer Training on  
"PLC SCADA"

from 24 May to 27 June, 2017  
at CETPA INFOTECH PVT. LTD. Lucknow.

**CETPA**

Because Knowledge Matters  
[www.cetpainfotech.com](http://www.cetpainfotech.com)

  
**Girish Singh**  
Director

  
**Udal Singh**  
Director-General



# टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED

(भारत सरकार एवं उ.प्र. सरकार का संयुक्त उपक्रम)  
(A joint venture of Govt. of India & Govt. of UP)

## Training Completion Certificate

Registration No ST-597 / XII-2/P-597/ 3933

Certificate No. 306

This is to Certify that Sh. Vivek Kumar Dwevedi S/o. Sh. Shiv Dutt Dwevedi, Student of B.Tech (Electrical) 6<sup>th</sup> Semester from Guatam Budha University (GBU), Greater Noida (U.P) has successfully completed training from 01.06.2017 to 18.06.2017 at Power House, (O&M) & 19.06.2017 to 30.06.2017 at Pumped Storage Plant (PSP) Deptt., Tehri, Uttarakhand.

A Project Report has been submitted by him on the Topic " An overview of Tehri Hydro Power Plant (4X250 MW) Excitation System Generator, GIS " .

We wish all the best for his future endeavours.

Date : 05.07.2017

*(Signature)*  
(Neki Ram) 5/7/17

Sr.E.S. (HRD)

Mob. 09412058182

THDC INDIA LIMITED

अधिकारिता प्राप्त है।

THDC INDIA LIMITED

THDC INDIA LIMITED





**टीएचडीसी इंडिया लिमिटेड**  
**THDC INDIA LIMITED**

(भारत सरकार एवं उ.प्र. सरकार का संयुक्त उपक्रम)  
(A joint venture of Govt. of India & Govt. of UP)

प्रशिक्षण पूर्ण होने का प्रमाण पत्र

पंजीकरण संख्या एसटी-433 / XII-2 / पी-433 / ५८७०


प्रमाण पत्र संख्या 358

प्रमाणित किया जाता है कि Km. Namesha Chauhan D/o Shri V.K. Chauhan, B. Tech. (Electrical), 6<sup>th</sup> Semester, Gautam Buddha University (GBU), Greater Noida (UP) की छात्रा ने 01.06.2017 से 15.07.2017 अवधि तक Electro-Mechanical Design विभाग ऋषिकेश में प्रशिक्षण सफलतापूर्वक पूर्ण कर लिया है।

छात्रा के द्वारा “ Project Report on Gas Insulated Switchgears & Gas Insulated Bus Duct System of Tehri Hydro Power Project ” पर रिपोर्ट प्रस्तुत की गई है।

भै इनके उज्जवल भविष्य की कामना करता हूँ।

दिनांक: 25.07.2017

  
(नेकी राम)

वरिष्ठ अधि. सचिव (मा0सं0वि0)

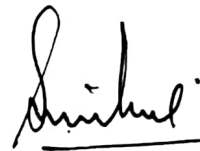
मो0 9412058182

नेकी राम / NEELAM RAM  
वरिष्ठ अधि. सचिव / Sr. Exe. Secretary  
टीएचडीसी इंडिया लि., ऋषिकेश  
THDC INDIA Ltd., Rishikesh



## **CERTIFICATE**

This is to certify that Miss Nameesha chauhan, student of Integrated M.Tech (Electrical), Gautam Buddha University, Greater Noida has undergone summer training at THDC India Limited (THDCIL), Rishikesh under the guidance of undersigned from 01-06-2017 to 15-07-2017.



(R.K. Semwal) 18/7/17  
DGM (EM -Design)  
THDCIL, Rishikesh



टीएचडीसी इंडिया लिमिटेड  
THDC INDIA LIMITED

(भारत सरकार एवं उ.प्र. सरकार का संयुक्त उपक्रम)  
(A joint venture of Govt. of India & Govt. of UP)

### Training Completion Certificate

Registration No ST-550/XII-2/P-550/ 3936

Certificate No. 303

This is to Certify that Sh. Priyesh Prakash S/o. Sh. Shiv Sankar Mahto, Student of B.Tech (Electrical) 6<sup>th</sup> Semester from Guatam Budha University (GBU), Greater Noida (U.P) has successfully completed training from 01.06.2017 to 18.06.2017 at Power House, (O&M) & 19.06.2017 to 30.06.2017 at Pumped Storage Plant (PSP) Deptt., Tehri, Uttarakhand.

A Project Report has been submitted by him on the Topic " An overview of Tehri Hydro Power Plant (4X250 MW) Excitation System Generator, GIS " .

We wish all the best for his future endeavours.

Date : 05.07.2017

  
(Neki Ram)

Sr.E.S. (HRD)

Mob. 09412058182

श्री राम / नेकी राम  
ज्येष्ठ सहायक निदेशक (HRD)  
टीएचडीसी इंडिया लि., अजमेर  
THDC INDIA Ltd., Ajmer



# टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED

(भारत सरकार एवं उ.प्र. सरकार का संयुक्त उपक्रम)  
(A joint venture of Govt. of India & Govt. of UP)

## Training Completion Certificate

Certificate No. 304

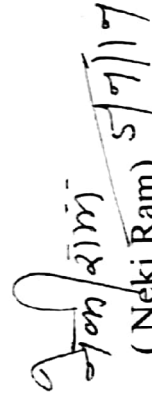
Registration No ST-549 / XII-2/P-549/ 3935

This is to Certify that Sh. Shubham Kumar S/o. Sh. Gajender Bhagat, Student of B.Tech (Electrical ) 6<sup>th</sup> Semester from Guatam Budha University (GBU), Greater Noida (U.P) has successfully completed training from 01.06.2017 to 18.06.2017 at Power House, (O&M) & 19.06.2017 to 30.06.2017 at Pumped Storage Plant (PSP) Deptt., Tehri, Uttarakhand .

A Project Report has been submitted by him on the Topic “ An overview of Tehri Hydro Power Plant (4X250 MW) Excitation System Generator, GIS ” .

We wish all the best for his future endeavours.

Date : 05.07.2017

  
( Neki Ram ) 5/7/17

Sr.E.S. (HRD)

Mob. 09412058182

श्री राम / NEKI RAM  
Sr. Executive / Sr. Exec. Secretary  
अवकाश विकास विभाग, गजेंद्र भगत  
THDC INDIA Ltd., Dehradun

INDRAPRASTHA POWER GENERATION COMPANY LTD.

&

PRAGATI POWER CORPORATION LIMITED


(GOVT. OF NCT OF DELHI UNDERTAKING)

### *Certificate of Training*

This is to certify that Mr./Ms. KANV LESH SINGH YADAV  
Roll No. 14/EE/018 of INDRAPRASTHA UNIVERSITY has successfully completed  
his/her Industrial Training in our organization from 07-06-2017 To 17-07-2017  
During this training his/her performance and conduct was excellent.

VWT No.: VST No.: 110

Date: 27/07/2017

  
अशोक कुमार  
उप-प्रबंधक (प्र. सं.)  
आई.पी.जी.सी.एल. / पी.पी.सी.एल.  
(दिल्ली सरकार के उपक्रम)

Deputy Manager Training



**INDRAPRASTHA POWER GENERATION COMPANY LTD.**



**PRAGATI POWER CORPORATION LIMITED**


**(GOVT. OF NCT OF DELHI UNDERTAKING)**

# Certificate of Training

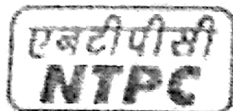
This is to certify that Mr./Ms. ASHISH K. HINDWAL.....  
 Roll No. 14/IEE/008 of GAUTAM BUDDHA UNIVERSITY..... has successfully completed  
 his/her Industrial Training in our organization from 05-06-2017 To 14-07-2017.....  
 During this training his/her performance and conduct was excellent.

VWT No.: VST No.: 111

Date: 17/07/2017

  
 आलोक कुमार  
 अध्यक्ष (ता. सं.) एल.  
 Deputy Manager  
 आ. सं. ता. सं. विकास (ता. सं.)  
 आ. सं. ता. सं. विकास  
 दिल्ली सरकार के विकास  
 (दिल्ली सरकार के विकास)  
 कानगाट पोस्ट हाऊस  
 नई दिल्ली-110002





एन टी पी सी लिमिटेड

(भारत सरकार का उद्यम)

**NTPC Limited**

(A Government of India Enterprise)

दादरा

DADRA

संदर्भ संख्या / Ref No

08/HR-LDC/1.22/16

दिनांक / Date

To,

The Training & Placement Officer

Gautam Buddha

University, Gz. Noida

Sub.: Completion of Summer/Vacational/Industrial Training.

Dear Sir/Madam,

With pleasure we would like to inform you that Mr./Ms. Dushyant K. Tavatia S/o/D/o Sh. R. K. Tavatia student of Electrical Engg. 3<sup>rd</sup> year has undergone Vocational/Industrial training under Registration No. 2578 at NTPC-Dadr w.e.f 31/05/17 to 27/06/17 in reference to the letter issued by your Institution. During the training he/she has shown keen interest in familiarization of the following area(s) Electrical Thermal

We have no adverse comments from any Deptt / section during the training period.

(Authorized Signatory)

विद्युत निगम लिमिटेड का विद्युत नगर, जिला गौतम बुद्ध नगर, नगर 201008 टेली - (011) 2677283-2677284 टैक्स - 2677285

POWER STATION PO-Vidya Nagar, Dist. Gautam Buddha Nagar-201008 Tel. (011) 2677283, 2677284 Fax - 2677285

विद्युत निगम लिमिटेड का एनटीपीसी इण्डिया नवी सेक्टर, नई दिल्ली - 110003 टैक्स / Tel. 011-2606004 टैक्स / Fax 2606005

Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 भारत / Overseas: www.ntpc.co.in



एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**

(A Government of India Enterprise)

दादरी  
DADRI

संदर्भ संख्या / Ref. No. 08/HR-EDC/1.22/16/

दिनांक / Date

To,

*The Training & Placement Officer*

Gautam Buddha

University, Gz. Noida

**Sub.: Completion of Summer/Vacational/Industrial Training.**

Dear Sir/Madam,

With pleasure we would like to inform you that  
Mr./Ms. Ravi Sagar S/o / D/o Sh. Hariram  
student of Electrical Engg. 3<sup>rd</sup> year has  
undergone Vocational/Industrial training under Registration No. 2043 at  
NTPC-Dadri w.e.f. 31/05/17 to 27/06/17 in reference to the letter issued by  
your Institution. During the training he/she has shown keen interest in familiarization  
of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत स्टेशन, डा. विद्युत नगर, जिला : गौतम बुद्ध नगर, पिन कोड : 201008 टेली - (फोन) 0120-2671283, 2671284 फैक्स 2672330  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyal Nagar, Distt. Gautam Buddha Nagar-201008 Tel. (O) 2671283, 2671284 Fax 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 टेली-फोन : 91-11-2638004 फैक्स : 91-11-2638030  
Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 वेबसाइट/Website : www.npc.co.in

# THE CERTIFICATE OF TRAINING



एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)

दादरी  
DADRI

संदर्भ संख्या / Ref No.

08/HR-EDC/1.22/16

दिनांक / Date 27.06.2017

To,

*The Training & Placement Officer*

*School of Engineering*

*Gautam Buddha University, Gr. Noida*

**Sub.: Completion of Summer/Vacational/Industrial Training.**

Dear Sir/Madam,

With pleasure we would like to inform you that  
Mr./Ms. ROHINI S/o / D/o Sh. Balvinder Singh  
student of Electrical Engineering 3rd year has  
undergone Vacation/Industrial training under Registration No. 2026 at  
NTPC-Dadri w.e.f. 31.05.17 to 27.06.17 in reference to the letter issued by  
your Institution. During the training he/she has shown keen interest in familiarization  
of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training period.



राष्ट्रीय राजधानी विद्युत स्टेशन, जे. विद्युत नगर, जिला : गौतम बुद्ध नगर, 201008 टेली - (क) 0126-2671283, 2671284 फैक्स : 2672330  
NATIONAL CAPITAL POWER STATION, PO-Vidyut Nagar, Distt. Gautam Buddha Nagar-201008 Tel. (O) 2671283, 2671284 Fax : 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 टेली : 91-11-2436004 फैक्स / Fax : 91-11-2436050  
Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 भारत / Website : www.ntpc.co.in



नटीपीसी  
NTPC

एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**

(A Government of India Enterprise)

दादरी  
DADRI

संख्या / Ref. No. 08/HR-EDC/1.22/16/

दिनांक / Date

To,

*The Training & Placement Officer*

Gautam Buddha

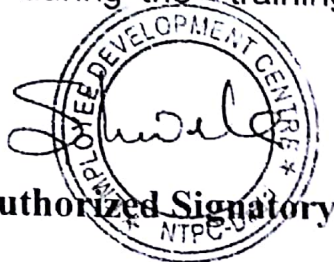
University, Gz. Noida

**Sub.: Completion of Summer/Vacational/Industrial Training.**

Dear Sir/Madam,

With pleasure we would like to inform you that  
Mr./Ms. Suresh Kumar S/o / D/o Sh. Tejpal  
student of Electrical Engg. 3rd year has  
undergone Vacation/Industrial training under **Registration No.** 2064 at  
NTPC-Dadri w.e.f. 31/05/16 to 27/06/17 in reference to the letter issued by  
your Institution. During the training he/she has shown keen interest in familiarization  
of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training period.

  
(Authorized Signatory)



नेशनल थर्मल पावर कॉर्पोरेशन लिमिटेड  
(भारत सरकार का उद्यम)

**National Thermal Power Corporation Ltd.**  
(A Govt. of India Enterprise)

**दादरी**  
**DADRI**

संदर्भ संख्या / Ref. No. : 08/HR-EDC/

दिनांक / Date : 06/07/17

To,

Training & Placement Officer

Gautam Buddha  
University, Gz. Noida

**Sub.: Completion of Summer/Vocational/Industrial Training.**

Dear Sir/Madam,

With pleasure we would like to inform you that  
Ms./Mr. Mukul Singh S/o, D/o Sh. Ram Niwas  
student of Electrical Engg. III<sup>rd</sup> year has undergone  
Vocational / Industrial training under Reg. No. 1026 at NTPC-Dadri w.e.f.  
22/05/17 to 17/06/17, in reference to the letter issued by your Institution.  
During the training he has shown keen interest in familiarization of the following  
area(s): Electrical Department

We have no adverse comments from any Deptt. / section during the training period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत स्टेशन, डा० विद्युत नगर जिला : गौतम बुद्ध नगर, उ०प्र० : 201008 टेली.- (का०) 4717797, 4712619 फैक्स : 4723530  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyut Nagar, Distt. Gautam Buddha Nagar-201008. Tel. : (O) 4717797, 4712619 Fax : 4723530

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7, इन्सटीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 दूरभाष : 6416135



संदर्भ संख्या / Ref No. 08/HR-EDC/1.22/16/

दिनांक / Date 03/07/17

To,

*The Training & Placement Officer,*

GAUTAM BUDDHA

UNIVERSITY, GREATER NOIDA

**Sub.: Completion of Summer/Vacational/Industrial Training.**

Dear Sir Madam,

With pleasure we would like to inform you that

Mr./Ms. AMIT KUMAR SHARMA S/o/D/o Sh. SUSHIL KUMAR SHARMA  
student of ELECTRICAL ENGINEERING, 4<sup>th</sup> year has  
undergone Vacation/Industrial training under Registration No. 2024 at  
NTPC-Dadri w.e.f. 22/05/17 to 03/07/17. In reference to the letter issued  
by your Institution. During the training he/she has shown keen interest in  
familiarization of the following area(s): ELECTRICAL THERMAL

We have no adverse comments from any Deptt. / section during the training period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत स्टेशन, डा. विद्युत नगर, जिला : गौतम बुद्ध नगर, उ०प्र० : 201008 टेली.- (का.) 0120-2671283, 2671284 फैक्स : 2672330  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyut Nagar, Distt. Gautam Buddha Nagar-201008 Tel. : (O) 2671283, 2671284 Fax . 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 दूरभाष/Tel.: 91-11-2436004 फैक्स/Fax : 91-11-2436050

Regd. Office : NTPC Bhawan, Scope Complex, 7. Institutional Area, Lodhi Road, New Delhi-110013 वेबसाइट/Website : www.ntpc.co.in



एक महारत्न कम्पनी



फार्म सं. : बीटीपीएस/क्यू.इ.एच.एस./एच.आर.-इ.बी.सी./एच-२२

**एनटीपीसी लिमिटेड**  
(भारत सरकार का उद्यम)

**NTPC Limited**

(A Govt. of India Enterprise)

बदरपुर / Badarpur

संदर्भ सं. : बीटीपीएस/क्यू.इ.एच.एस./एच.आर.-इ.बी.सी./बीटी

Ref. No. : BTPS/QEHS/HR-EDC/NT- 18065

Date : 08.07.2017

## प्रमाण पत्र

प्रमाणित किया जाता है कि श्री/सुश्री.....समृद्धि.....सजवान.....  
रोल नं. ....13/IEE/031.....विद्यार्थी गौतम बुद्ध विश्वविद्यालय.....  
ने बदरपुर धर्मल पावर स्टेशन में दिनांक ..29-05-2017..से..08-07-2017.....तक व्यवसायिक  
प्रशिक्षण प्राप्त किया। प्रशिक्षण अवधि में इनका कार्यनिष्पादन एवं आचरण अच्छा रहा।  
हम इनके सुअग्र भविष्य की कामना करते हैं।

ट्रेनिंग कोऑर्डिनेटर

सतवेन्द्र कुमार वर्मा / S. K. VERMA  
सहायक प्रबंधक (भा.सं.-य.वि.के.) / Asst. Manager (HR-EDC)  
एनटीपीसी लिमिटेड/बीटीपीएस बदरपुर  
NTPC LIMITED/ BTPS BADARPUR  
नई दिल्ली / NEW DELHI -110044

## CERTIFICATE

This is to certify that Mr./Ms. ....SAMRIDHI.....SAJWAN.....  
Roll No. ....13/IEE/031.....student of ....GAUTAM BUDDHA UNIVERSITY.....  
has undergone Vocational Training at Badarpur Thermal Power Station From..29-05-2017..  
to...08-07-2017... His/Her performance and conduct during the training was good.  
We wish him/her success in life.

Training Coordinator

सतवेन्द्र कुमार वर्मा / S. K. VERMA  
सहायक प्रबंधक (भा.सं.-य.वि.के.) / Asst. Manager (HR-EDC)  
एनटीपीसी लिमिटेड/बीटीपीएस बदरपुर  
NTPC LIMITED/ BTPS BADARPUR  
नई दिल्ली / NEW DELHI -110044

हमारी दृष्टि :- भारत के विकास को भति देते हुए, विश्व की सबसे बड़ी और सर्वोत्तम विद्युत उत्पादक कंपनी बनना।  
Our Vision : To Be The World's Largest And Best Power Producer, Powering India's Growth.

एनटीपीसी लिमिटेड, बदरपुर, नई दिल्ली - 110044, दूरभाष : 011-26972576, फैक्स : 011-26947160  
NTPC Limited, Badarpur, New Delhi-110044, Ph.: 011-26972576, Fax : 011-26947160  
पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003

संदर्भ संख्या / Ref. No. 08/HR-EDC/1.22/16/

दिनांक / Date 03/07/17

To,

The Training & Placement Officer,

Gautam Buddha University  
Greater Noida

Sub.: Completion of Summer/Vacational/Industrial Training.

Dear Sir Madam,

With pleasure we would like to inform you that  
Mr./Ms. Vaibhav Kr. Singh S/o / D/o Sh. Vijay Singh  
student of Electrical engg., 4<sup>th</sup> year has  
undergone Vocational/Industrial training under Registration No. 2004 at  
NTPC-Dadri w.e.f. 22/05/17 to 03/07/17 in reference to the letter issued  
by your Institution. During the training he/she has shown keen interest in  
familiarization of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training  
period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत स्टेशन, डा. विद्युत नगर, जिला : गौतम बुद्ध नगर, उ०प्र० : 201008 टेली.- (का.) 0120-2671283, 2671284 फैक्स : 2672330  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyut Nagar, Distt. Gautam Buddha Nagar-201008 Tel. : (O) 2671283, 2671284 Fax : 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 दूरभाष / Tel.: 91-11-2436004 फैक्स / Fax : 91-11-2436050

Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 वेबसाइट / Website : www.ntpc.co in



## **ACKNOWLEDGEMENT**

The summer training of 6 weeks has been completed under the expert guidance of Er. Sunil Tyagi. I hereby heartily acknowledge their unstinted help & valuable assistance.

I would like to thank **Er. A.K. CHOUDHARY** (SDO EE), and entire staff of EE Department for providing me the guidance and relevant data and information about the topic.

**SANJAY SINGH**



**Aravali Power Company Private Limited**

(A Joint Venture of NTPC Ltd, HPGCL and IPGCL)

# SUMMER TRAINING REPORT



**SUBMITTED BY**

**TUSHAR SHARMA**

**13/IEE/042**

**SUBMITTED TO**

**ELECTRICAL  
DEPARTMENT**



To,

**The Training & Placement Officer,**  
Gautam Buddha University,  
Greater Noida

**Sub.: Completion of Summer/Vacational/Industrial Training.**

Dear Sir Madam,

With pleasure we would like to inform you that  
Mr./Ms. Nitin Sharma S/o/D/o Sh. K.P. Sharma  
student of Electrical Engg., 4<sup>th</sup> year has  
undergone Vacation/Industrial training under Registration No. 2016 at  
NTPC-Dadri w.e.f. 22/05/17 to 03/07/17 in reference to the letter issued  
by your Institution. During the training he/she has shown keen interest in  
familiarization of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training  
period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत स्टेशन, डा. विद्युत नगर, जिला : गौतम बुद्ध नगर, उ०प्र० : 201008 टेली.- (का.) 0120-2671283, 2671284 फैक्स : 2672330  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyut Nagar, Distt. Gautam Buddha Nagar-201008 Tel : (O) 2671283, 2671284 Fax : 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 दूरभाष/Tel.: 91-11-2436004 फैक्स/Fax: 91-11-2436050

Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 वेबसाइट/Website : www.ntpc.co.in



एक महारत्न कम्पनी



कार्य सं. : बीटीपीएस/ब्यू.इ.एच.एस./एच.आर.-इ.बी.सी./एक-२२

**एनटीपीसी लिमिटेड**  
(भारत सरकार का उद्यम)

**NTPC Limited**

(A Govt. of India Enterprise)

बदरपुर / Badarpur

संदर्भ सं. : बीटीपीएस/ब्यू.इ.एच.एस./एच.आर.-इ.बी.सी./बीटी

Ref. No. : BTPS/QEHS/HR-EDC/VT- 18067

Date : 08.03.2017

## प्रमाण पत्र

प्रमाणित किया जाता है कि श्री/श्री... मनीज कुमार सिंह.....  
रोल नं. ....13/IEE/018..... विद्यार्थी..... गौतम बुद्ध विश्वविद्यालय.....  
ने बदरपुर थर्मल पावर स्टेशन में दिनांक ...29-05-2017... से ...08-07-2017... तक व्यवसायिक  
प्रशिक्षण प्राप्त किया। प्रशिक्षण अवधि में इनका कार्यनिष्पादन एवं आचरण अच्छा रहा।  
हम इनके सुखद भविष्य की कामना करते हैं।

ट्रेनिंग कोऑर्डिनेटर

सतवेन्द्र कुमार वर्मा / S. K. VERMA  
सहायक प्रबंधक(प्र.सं.-क.वि.के.) / Asst. Manager(HR-EDC)  
एनटीपीसी लिमिटेड/बीटीपीएस बदरपुर  
NTPC LIMITED/ BTPS BADARPUR  
नई दिल्ली / NEW DELHI -110044

## CERTIFICATE

This is to certify that Mr./Ms. ....MANOJ KUMAR SINGH.....  
Roll No. ....13/IEE/018..... student of ....GAUTAM BUDDHA UNIVERSITY.....  
has undergone Vocational Training at Badarpur Thermal Power Station From...29-05-2017...  
to....08-07-2017.... His/Her performance and conduct during the training was good.  
We wish him/her success in life.

Training Coordinator

सतवेन्द्र कुमार वर्मा / S. K. VERMA  
सहायक प्रबंधक(प्र.सं.-क.वि.के.) / Asst. Manager(HR-EDC)  
एनटीपीसी लिमिटेड/बीटीपीएस बदरपुर  
NTPC LIMITED/ BTPS BADARPUR  
नई दिल्ली / NEW DELHI -110044

हमारी दृष्टि :- भारत के विकास को गति देते हुए, विश्व की सबसे बड़ी और सर्वोत्तम विद्युत उत्पादक कंपनी बनना।  
Our Vision : To Be The World's Largest And Best Power Producer, Powering India's Growth.

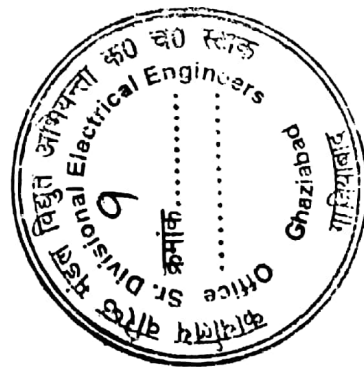
एनटीपीसी लिमिटेड, बदरपुर, नई दिल्ली - 110044, दूरभाष : 011-26972576, फैक्स : 011-26947160  
NTPC Limited, Badarpur, New Delhi-110044, Ph.: 011-26972576, Fax : 011-26947160  
पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003



150 GLORIOUS YEARS

## ELECTRIC LOCO SHED, GHAZIABAD TRAINING CERTIFICATE

MR./MS.....Mahendra.....S/o/D/o.....Leetam Singh.....  
A student of (college).....Gautam Buddha University.....branch.....Electrical Engg.....  
Has undergone practical training from 29-05-17.....to 08-07-17.....in this organization.  
His performance & conduct during the above training period was found.....V.Good.....  
This training is imported under the Curriculum of the institute of study.



Date: 27.7.17

Sr. Divisional Electrical Engineer  
Electric Loco Shed, Ghaziabad.

## NORTHERN RAILWAY

No. 230 Elect/TRS/LDH/T-27  
Dated: 24/07/2017

Office of The  
Sr. Divisional Electrical Engineer  
Electric Loco Shed, Ludhiana

To,  
Manager, Corporate Relations  
Gautam Buddha University  
Greater Noida, Distt. Gautam Budh Nagar  
Uttar Pradesh-201312

Sub: - Regarding Industrial Training at Electric loco shed, Ludhiana, Northern Railway  
Ludhiana

In connection with above, it is certified that Mr. Nikhil Kumar Giri of Gautam Buddha University, Greater Noida (UP), reported at this organization on date 05/06/2017 for Industrial training.

Period of Training		Nos. of days for not reported to training	Remarks
From	To		
05/06/2017	18/07/2017	-	Availed weekly off sunday

He has shown good interest or learning various Electrical maintenance activities of Electric Locomotive.

He is relieved on 18/07/2017 after shed working with the instruction to report at your end.

This office also wishes for his bright future and success.

मंत्रालय अतिरिक्त (कै. & वे.)  
D.M.E (C&W)  
ग्रो. मण्डल कार्यालय  
N.R.W. DRM Office  
DEE/EES/LDH

NORTHERN RAILWAY

No. 230 Elect/TRS/LDH/T-27  
Dated: 24/07/2017

Office of The  
Sr. Divisional Electrical Engineer  
Electric Loco Shed, Ludhiana

To,  
Manager, Corporate Relations  
Gautam Buddha University  
Greater Noida, Distt. Gautam Budh Nagar  
Uttar Pradesh-201312

Sub: - Regarding Industrial Training at Electric loco shed, Ludhiana, Northern Railway  
Ludhiana

In connection with above, it is certified that Mr. Ankit Singh of Gautam Buddha University, Greater Noida (UP), reported at this organization on date 05/06/2017 for Industrial training.

Period of Training		Nos. of days for not reported to training	Remarks
From	To		
05/06/2017	18/07/2017	-	Availed weekly off sunday

He has shown good interest or learning various Electrical maintenance activities of Electric Locomotive.

He is relieved on 18/07/2017 after shed working with the instruction to report at your end.

This office also wishes for his bright future and success.

मंत्रालय अमि०(कै०&वै०)  
D.M.E (C&W)  
मंडल कार्यालय  
N.R.W. DRM Office  
DEE/ELS/LDH



NORTHERN RAILWAY

No. 230 Elect/TRS/LDH/T-27  
Dated: 24/07/2017

Office of The  
Sr. Divisional Electrical Engineer  
Electric Loco Shed, Ludhiana

To,  
Manager, Corporate Relations  
Gautam Buddha University  
Greater Noida, Distt. Gautam Budh Nagar  
Uttar Pradesh-201312

Sub: - Regarding Industrial Training at Electric loco shed, Ludhiana, Northern Railway  
Ludhiana

In connection with above, it is certified that **Mr. Grijesh Barawal** of Gautam Buddha University, Greater Noida (UP), reported at this organization on date 05/06/2017 for Industrial training.

Period of Training		Nos. of days for not reported to training	Remarks
From	To		
05/06/2017	18/07/2017	-	Availed weekly off sunday

He has shown good interest or learning various Electrical maintenance activities of Electric Locomotive.

He is relieved on 18/07/2017 after shed working with the instruction to report at your end.

This office also wishes for his bright future and success.

मोया. अमिण (कै. वी.)  
D.M.E (C&W)  
उपरे. मण्डल कार्यालय  
N.Rly., DRN Circle  
DE/EL/LDH

## **DELHI TRANSCO LIMITED**

Regd. Office: Shakti Sadan, Kotla Road, New Delhi -110 002.

CIN: U40103DL2001SGC111529

Training Department

220KV S/Stn. Building, Okhla Ph. II,

(Opp. Pocket A-13. DDA Flats, Kalkaji Extn.), New Delhi-19.

Tel. - 011-29984164

Website - [www.delhitransco.gov.in](http://www.delhitransco.gov.in)

E-mail-[dtl.trg@gmail.com](mailto:dtl.trg@gmail.com)

No. F.DTL/1012/17-18/ 7 /HR(Trg.)/270

Dt. 20/07/2017

### **To Whom It May Concern**

*It is to certify that Sh. Omkar Sharma studying B.Tech. in Electrical Engineering from Gautam Buddha University, Greater Noida, Distt, Gautam Budh Nagar, (U.P) was nominated to attend the practical/industrial training at Delhi Transco Limited.*

*Sh. Omkar Sharma has attended the practical/industrial training w.e.f. 23/05/2017 to 07/07/2017 in Delhi Transco Limited.*

*His attendance and conduct during the training period was Very good.*

*I wish him all the success in future.*



**(Vasu Dev)**

**Dy. General Manager (HR)**

## DELHI TRANSCO LIMITED

Regd. Office: Shakti Sadan, Kotla Road, New Delhi -110 002.

CIN: U40103DL2001SGC111529

Training Department

220KV S/Stn. Building, Okhla Ph. II,

(Opp. Pocket A-13. DDA Flats, Kalkaji Extn.), New Delhi-19.

Tel. - 011-29984164

Website - [www.delhitransco.gov.in](http://www.delhitransco.gov.in)

E-mail-[dtl.trg@gmail.com](mailto:dtl.trg@gmail.com)

No. F.DTL/1012/17-18/ 7 /HR(Trg.)/ 333

Dt. 02/08/2017

### To Whom It May Concern

*It is to certify that Mr. Vishu Singh studying B.Tech. in Electrical Engineering from Gautam Buddha University, Greater-Noida (U.P) was nominated to attend the practical/industrial training at Delhi Transco Limited.*

*Mr. Vishu Singh has attended the practical/industrial training w.e.f. 23/05/2017 to 07/07/2017 in Delhi Transco Limited.*

*His attendance and conduct during the training period was very good.*

*I wish him all the success in future.*



(Vasu Dev)

Dy. General Manager (HR)

Khs:092:HR-EDC:2017:400

Date 30 /06 /2017

**CERTIFICATE**

This is to certify that Mr. Sudhanshu Shekhar S/o Shri Chandra Shekhar Singh, a student of 3rd year, Electrical Engineering from Gautam Buddha University, Gr. Noida has undergone Vocational Training at NTPC Limited, Kahalgaon from 01.06.2017 to 30.06.2017.

We wish all success in his future endeavours.

  
(Sanjib Kumar)

**Addl. General Manager (HR-EDC)**

**संजीव कुमार/SANJIB KUMAR**

अपर महाप्रबंधक (मानव संसाधन, कर्मचारी विकास केन्द्र)/AGM (HR-EDC)

एन टी पी सी लिमिटेड/NTPC Limited

कहलगाँव, भागलपुर/Kahalgaon, Bhagalpur





एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)

दादरी  
DADRI

संदर्भ संख्या / Ref. No. 08/HR-EDC/1.22/16/

दिनांक / Date

To,

*The Training & Placement Officer*

Gautam Buddha


University, Gz. Noida

Sub.: Completion of Summer/Vacational/Industrial Training.

Dear Sir/Madam,

With pleasure we would like to inform you that  
Mr./Ms. Satyam Tiwari S/o / D/o Sh. Ashish Kumar Tiwari  
student of Electrical Engg. year has  
undergone Vocational/Industrial training under Registration No. 2039 at  
NTPC-Dadri w.e.f. 31/05/17 to 27/06/17 in reference to the letter issued by  
your Institution. During the training he/she has shown keen interest in familiarization  
of the following area(s): Electrical Thermal

We have no adverse comments from any Deptt. / section during the training  
period.

  
(Authorized Signatory)

राष्ट्रीय राजधानी विद्युत, स्टेशन, डा. विद्युत नगर, जिला : गौतम बुद्ध नगर, 201008 टेली - (का.) 0120-2671283, 2671284 फैक्स : 2672330  
NATIONAL CAPITAL POWER STATION, P.O.-Vidyal Nagar, Distt. Gautam Buddha Nagar-201008 Tel : (O) 2671283, 2671284 Fax : 2672330

पंजीकृत कार्यालय : एन.टी.पी.सी. भवन, स्कोप कॉम्प्लेक्स, 7 इन्स्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 दूरभाष / Tel : 91-11-2436004 फैक्स / Fax : 91-11-2436050

Regd. Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110013 ईमेल / Website : www.ntpc.co.in





**GAUTAM BUDDHA  
UNIVERSITY**

## **PROJECT REPORT**

# **LPG LEAKAGE DETECTOR (MQ-6)**

Submitted By

Lalit Chaudhary

13/IEE/015

B.Tech+ M.Tech (I&C)

Under Guidance of

Dr. C.B.Vishwakarma

Department Of Electrical Engineering

School Of Engineering

Gautam Buddha University

Greater Noida, Uttar Pradesh

## **CERTIFICATE**

This is to certify that Deepansh Pathak having enrolment number 13/IEE/037 from Gautam Buddha University, has undergone through the project on clap switch for 6 months from 1<sup>st</sup> January to 2<sup>nd</sup> May, 2018, under my guidance. His performance has been satisfactory so as to fulfil all the requirements for successful completion of the project. This document is a bona fide testimony of the project undergoing and works carrying out by him in this course till now.

Guided By:

Dr. C.B. Vishwakarma

School of Engineering

**GAUTAM BUDDHA UNIVERSITY**

**Greater noida**



**MINOR PROJECT REPORT**

**SOLAR ENERGY BASED OBSTACLES**

**AVOIDING CAR**

**UNDER GUIDENCE OF**

**DR.OMVEER SINGH**

**SUBMITTED BY**

**SUYASHA**

**14/IEE/048**

**EE (IV year) power system**

**GAUTAM BUDDHA UNIVERSITY**

**Greater Noida, Uttar Pradesh, India**



---

**PROJECT REPORT**

***Arduino based MOTION SENSING ALARM using SOLAR ENERGY***

**School of Engineering**

**Electrical Engineering Department**

**SUBMITTED BY:** **MUKUL SINGH (14/IEE/023)**

**INTEGRATED M.TECH. (POWER SYSTEMS)**

**SUBMITTED TO:** **Dr. OMVEER SINGH**

**A PROJECT REPORT**  
**ON**  
**SOLAR TRACKING SYSTEM**



**School of Engineering**  
**GAUTAM BUDDHA UNIVERSITY,**  
**GREATER NOIDA**  
**2017-2018**

**SUBMITTED BY**

**BHAVANA SAINI**

**14/1EE/011**

**8<sup>th</sup> SEMESTER**

**(POWER SYSTEM)**

**UNDER SUPERVISION OF**

**DR OMVEER SINGH, ASST. PROF.**



# **Modeling and Control of Grid Connected Photovoltaic System**



Gautam Buddha University

Department of Electrical Engineering

By,

Paras Sharma

(14/IEE/030)

Supervisor,

Nidhi Singh Pal

# Micro-controller based Water Pumping System using Solar Energy

Submitted By  
PRAKHAR KUMAR SINGH

14/IEE/034

Under Guidance of  
Dr. OMVEERSINGH



Department of Electrical Engineering  
SCHOOL OF ENGINEERING  
GAUTAM BUDDHA UNIVERSITY

*A Report On*

***Load Frequency Control of a two area power system  
Composing PV Grid using Firefly Algorithm***



**Department of Electrical Engineering**

**School of Engineering**

**Gautam Buddha University**

**Gr. Noida , Uttar Pradesh , India - 201312**

**May 2018**

**Under Guidance of :- Dr. Omveer Singh**

**Submitted By :- Rohan Chaudhary**

**Integrated B.Tech + M.tech**

**14/IEE/039**

# **Project Report**

## **DG Optimization**



# **Gautam Buddha University**

## **Department of Electrical Engineering**

**By Harsh Maurya**

**14/IEE/015**

**Guide: Nidhi Singh Pal**





**GAUTAM BUDDHA UNIVERSITY**

**DEPARTMENT OF ELECTRICAL**

**ENGINEERING**

**PROJECT REPORT**

**AUTOMATIC IRRIGATION SYSTEM**

**USING WATER LEVEL SENSOR**

**NAME: TARUNA SHARMA**

**ROLL No: 14/IEE/050**

**COLLEGE: GAUTAM BUDDHA UNIVERSITY**

**BRANCH: ELECTRICAL ENGINEERING**

**PROJECT SUPERVISOR: DR. OMVEER SINGH**

# PROJECT REPORT ON ARDUINO BASED SOLAR TRACKER



Department of Electrical Engineering  
GAUTAM BUDDHA UNIVERSITY  
Greater Noida

**SUBMITTED TO:**

**DR. OMVEER SINGH**

**SUBMITTED BY:**

**PRACHI RANI**

**14/IEE/032**

# **ARDUINO BASED HOME SECURITY ALARM**



**GAUTAM BUDDHA UNIVERSITY  
ELECTRICAL ENGINEERING DEPARTMENT  
(SCHOOL OF ENGINEERING)  
INTEGRATED B.TECH+M.TECH**

Submitted by-  
Kaushal Kumar Singh

14/IEE/020

Under the supervision of  
Dr. C.B.Vishwakarma

## Speed control of Dc motor using Chopper



Department of electrical engineering

Gautam Buddha university

Omkar Sharma | Electrical Engineering (PED) IVth yr.

Guided By: - Dr.Nidhi Singh Pal



**MINOR PROJECT REPORT  
ON  
WATER LEVEL INDICATOR**



**BY  
RAVI SAGAR (14/IEE/036)  
UNDER SUPERVISION  
OF  
Dr. C B VISHWAKARMA**

## **Acknowledgement**

On the submission of my project entitled “**Automatic Street Lights**” I would like to extend my gratitude and sincere thanks to my project guide, **Dr. Nidhi Singh Pal** for her constant motivation and support during the course work. I am very thankful to her for giving me good basics during the course work, which makes a good part of the project. I truly appreciate and value her esteemed guidance and encouragement in the beginning. This helped me gain more deeper insight of the project and helped me to understand the different aspects and application areas of the project idea.

Last but not the least, I would like to thank my parents, teachers, and my friends who have been a constant source of encouragement and inspiration during my project and have always provided me their support in every walk of my life.

Rohini

14/IEE/040

# Control of DC Drive in four quadrant Mode



**GAUTAM BUDDHA UNIVERSITY**

**ELECTRICAL ENGINEERING DEPARTMENT**

**Integrated B.Tech + M.tech**

**(With specialization in Power Electronic Devices)**

**Guide -: Dr.Nidhi Singh Pal**

**Submitted by-: Ayush Mishra**

**(14/IEE/010)**

## **ACKNOWLEDGEMENT**

On the submission of my project entitled “Automatic Plant Watering System using soil moisture sensor and voltage regulator”. I would like to extend my gratitude and sincere thanks to my project guide, **Dr. Omveer Singh** Professor, Department of Electrical Engineering for his constant motivation and support during the course work. I am very thankful to him for giving me good basics in circuits and IC chips, which makes a good part of the project. I truly appreciate and value his esteemed guidance and encouragement in the beginning.

Last but not the least, I would like to thank my teachers, parents, and my friends who have been a constant source of encouragement and inspiration during my project and have always provided me their support in every walk of my life.

**Shubham Yadav**

**Roll.No-14/IEE/045**



# Project Report

## DESIGN AND SIMULATION OF PID CONTROLLER FOR POSITION CONTROL OF DC SERVO MOTOR



Shubham Kumar | Electrical Engineering (PED) 4<sup>th</sup> yr.  
Guided By: - Dr. C B Vishwakarma

# GAUTAM BUDDHA UNIVERSITY



PROJECT REPORT  
ON  
AUTOMATIC ACCIDENT DETECTOR

Supervised By:

**Dr. Nidhi Singh Pal**

**(HOD)**

**(ELETRICAL DEPARTMENT)**

Submitted By:

**Shubhangini Singh**

# Multi Diode Modelling of PV Cell Using MATLAB



By- Vaibhav Sharma

(14/IEE/052)

Under Supervision of

Dr. Nidhi Singh Pal

Department of Electrical Engineering,  
Gautam Buddha University