



# Guru Nanak Dev Engineering College

**Mailoor Road, Bidar, KA – 585403**

**Approved by AICTE New Delhi and Affiliated to VTU Belagavi**

## **Criterion 1 – Curricular Aspects**

### **Department of Civil Engineering**

## **INDEX: PROJECT AND INTERNSHIP**

SL. NO.	USN	NAME OF THE STUDENT	MINI PROJECT/INTERNSHIP	DEPT.
1	3GN17CV067	RAVIRAJ MANE	MINI PROJECT	CV
2	3GN18CV088	SANGAMESH	MINI PROJECT	CV
3	3GN19CV002	ABHISHEK BIRADAR	MINI PROJECT	CV
4	3GN19CV003	ABHISHEK M	MINI PROJECT	CV
5	3GN19CV005	AJAY BHAVIKATTE	MINI PROJECT	CV
6	3GN19CV007	AKASH GAYAKWAD	MINI PROJECT	CV
7	3GN19CV009	ANILKUMAR	MINI PROJECT	CV
8	3GN19CV012	ARVIND	MINI PROJECT	CV
9	3GN20CV400	ABDUL SUFIYAN	MINI PROJECT	CV
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13	3GN18CV102	SUDARSHAN JADHAV	MINI PROJECT	CV
14	3GN18CV104	SUMITH	MINI PROJECT	CV
15	3GN19CV025	KAILASH	MINI PROJECT	CV
16	3GN19CV026	MAHADEVAYYA	MINI PROJECT	CV
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21	3GN19CV035	MD OMER FARAZ	MINI PROJECT	CV
22	3GN20CV406	MIRZA SHAHZAIB ALI BAIG	MINI PROJECT	CV
23	3GN20CV409	MOHD AHSAN ULLAH KHAN	MINI PROJECT	CV
24	3GN20CV410	MOHD SHAKER AHMED	MINI PROJECT	CV

25	3GN20CV404	FURQUAN JALEEL	MINI PROJECT	CV
		AHMED		
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30	3GN19CV020	GURUPRASAD	MINI PROJECT	CV
31	3GN19CV021	HRUSHIKESH GADALE	MINI PROJECT	CV
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37	3GN18CV060	MOHAMMED OWAIS	MINI PROJECT	CV
38	3GN18CV107	SYED BURHAN UDDIN QUADRI	MINI PROJECT	CV
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75	3GN19CV052	NAGARAJ	MINI PROJECT	CV
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237	3GN19CV415	SUPRIYA	INTERNSHIP	CV

# GURU NANAK DEV ENGINEERING COLLEGE

BIDAR-585 403

(Affiliated to VTU Belagavi, approved by AICTE)



## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that the "EXTENSIVE SURVEY" project work is a bonafied work carried out in partial fulfillment for the award of degree in Bachelor of Engineering in Civil Engineering in GURU NANAK DEV ENGINEERING COLLEGE BIDAR affiliated to Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/suggestion indicated for internal assesment have been incorpareted in the report and a copy of report is deposited in the deparerment library. The project has been approved as it satisfies the academic requiremnets in respect of project work prescribed for said degree.

1. RAVIRAJ MANE	3GN17CV067
2. SANGAMESH	3GN18CV088
3. ABHISHEK BIRADAR	3GN19CV002
4. ABHISHEK M	3GN19CV003
5. AJAY BHAVIKATTE	3GN19CV005
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10. FARHAN AHMED KHAN	3GN20CV403
11. MOHAMMED SOHAIL	3GN19CV043
12. MOHAMMED UMAIS AHMED	3GN19CV045

Dr. P.M. SINGA

Project coordinator

Dr. B.B. KORI

H.O.D OF CIVIL ENGG. DEPT.

## INTRODUCTION

### **1.0 IMPORTANCE OF SURVEYS:-**

Before undertaking any project, the first and foremost job is to carry out the survey work of the project area under consideration. Surveying is the art of determining the relative positions of points on, above or beneath the surface of the earth by means of direct or indirect measurements of distance, direction, and elevation.

For any Engineering Survey the following steps are followed.

1. Map Study
2. Reconnaissance Survey
3. Preliminary Survey
4. Detailed Survey

#### **1. MAP STUDY:**

All different possible alignment and nature of the terrain should be studied with the help of available toposheet and map of area.

#### **2. RECONNAISSANCE SUREVY:**

Reconnaissance Survey can be defined as an investigation carried out for obtaining details required for the commencement of any project by gathering information about the terrain of the project area. The main objective of this survey is to make preliminary inspection of the area to be surveyed with the view of selection of good station points. And after inspecting the ground, a rough sketch of drawings are prepared showing details of roads, buildings, trees and other important features surrounding it.

#### **3 PRELIMINARY SURVEYS:**

Preliminary Survey is large scale investigation of the result of reconnaissance survey. Their objective is to prepare a plan showing the location & nature of the field. The survey Consists of establishment a base line traverse, which is series of straight alignment. The Physical feature such as building, trees, monuments utilities, railway lines Canals etc. are located. Also the information of ground water level, rainfall intensity, type of the soil, catchment area etc. are collected.



**GURU NANAK DEV ENGINEERING COLLEGE**  
**BIDAR-585 403**

*(Affiliated to VTU Belagavi, approved by AICTE)*



**DEPARTMENT OF CIVIL ENGINEERING**

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3. KAILASH
4. MAHADEVAYYA
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3GN20CV409  
3GN20CV410

  
P.M. SINGA

Project guide

  
Dr. B.B. KORI

H.O.D OF CIVIL ENGG. DEPT.



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



## INTRODUCTION

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgaum – 590014, Karnataka India

GURU NANAK DEV ENGINEERING COLLEGE BIDAR – 585403




## DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

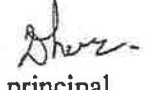
This is to certify that the project entitled “EXTENSIVE SURVEY” is a Bonafide work carried out, in partial fulfillment of requirements for the award of degree of Bachelor of Engineering in Civil Engineering from Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The activity report has been approved as it satisfies the academic requirements in aspect of activity work prescribed for the Bachelor of Engineering degree.

### SUBMITTED BY:-

1. FURQAAN JALEEL AHMED	3GN20CV404
2. SHAIK UBAIDULLAH	3GN18CV095
3. ASLAM KHAN	3GN19CV015
4. AVINASH	3GN19CV016
5. AVISHKAR METRE	3GN19CV017
6. GURUPRASAD	3GN19CV020
7. HRUSHIKESH GADALE	3GN19CV021
8. IMRAN BIN ALI	3GN19CV022
9. JANARDHAN	3GN19CV023
10. SYED SHAZEB	3GN17CV096
11. MOHAMMED OWAIS AHMED	3GN19CV041
12. MOHAMMED SAJEED AHMED	3GN19CV042
13. MOHAMMED OWAIS	3GN18CV060

  
Project guide  
Prof. pradeep kumar singa

  
head of department  
Dr. B.B kori

  
principal  
Dr. dhananjay D. maktedar

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## INTRODUCTION

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# GURU NANAK DEV ENGINEERING COLLEGE

BIDAR-585 403

(Affiliated to VTU Belagavi, approved by AICTE)



## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that the extensive survey project work is a bonafied work carried out by BATCH A<sub>4</sub> in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering in GURU NANAK DEV ENGINEERING COLLEGE BIDAR affiliated to Visveshvaraya Technological University, Belgaum during the year 2021-2022. It is certified that all corrections/suggestion indicated for internal assessment have been incorporated in the report and a copy of report is deposited in the department library. The project has been approved as it satisfies the academic requirements in respect of project work prescribed for said degree.

A<sub>4</sub>

SYED BURHAN UDDIN QUADRI  
SYED SAHEEL HUSSAIN  
MANJUNATH KABA  
MD SUFIYAN AHSAN  
MIRZA AZMATULLA BAIG  
MOHAMMED ABDULLAH SHADAN  
MOHAMMED ARBAZ  
MOHAMMED KHAIRULLA  
MOHAMMED ABDUL HAISAFI  
MOHAMMED AZEEM AHMED  
SHAIK MOHAMMED OMAR  
SHAIK SALAUDDIN

(3GN18CV107)  
(3GN18CV111)  
(3GN19CV029)  
(3GN19CV036)  
(3GN19CV037)  
(3GN19CV038)  
(3GN19CV039)  
(3GN19CV040)  
(3GN20CV407)  
(3GN20CV408)  
(3GN20CV411)  
(3GN20CV412)

Co-ordinator

DR.PM SINGA

Head of the Department

DR. B.B KORI

Principal

DR. RAVINDRA E.

Examiners

- 1.
- 2.

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

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## INTRODUCTION

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BIDAR-585 403

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1. ASHWINI
2. PRIYADARSHINI
3. AMRITHA
4. ANJALI
5. ASHALATA METRE
6. ASHWINI KANNA
7. JAVERIYA FATIMA
8. SOUNDARYA
9. VANITHA

3GN18CV021  
3GN18CV082  
3GN19CV008  
3GN19CV010  
3GN19CV013  
3GN19CV014  
3GN19CV024  
3GN20CV414  
3GN20CV417

  
P.M. SINGA

Project guide

  
Dr. B.B. KORI

H.O.D OF CIVIL ENGG. DEPT.

  
PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JnanaSangama, Belgaum - 590014, Karnataka India

GURU NANAK DEV ENGINEERING COLLEGE BIDAR - 585403



## DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE


This is to certify that the project entitled "EXTENSIVE SURVEY" is a Bonafide work carried out, in partial fulfillment of requirements for the award of degree of Bachelor of Engineering in Civil Engineering from Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The activity report has been approved as it satisfies the academic requirements in aspect of activity work prescribed for the Bachelor of Engineering degree.

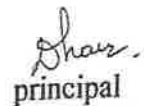
SUBMITTED BY B1:-

1. MA ABUBAKAR SIDDIQUI
2. AFFAN SHOEB
3. ALLEN JOSUHA
4. PRATHVIRAJ
5. ABHISHEK
6. ARUN KABA
7. GURU MAYUM NIVAS
8. MOHD ABDUL RAHMAN
9. MOHD ABDUL SABOOR SOHAIL
10. MOHD ASLAM AHMED
11. VINOD
12. ANIL
13. VENKATESH

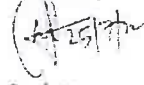

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3GN19CV011  
3GN19CV019  
3GN19CV047  
3GN19CV048  
3GN19CV049  
3GN19CV080  
3GN20CV401  
3GN20CV418


  
Projectguide  
Prof. pradeepkumarsinga

  
H. O. D.  
Civil Engg. Dept.  
head of department  
Dr. B. Bkori

  
principal  
Dr. dhananjay D. maktedar

Examiners:

1. 
2. 

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

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Dept of Civil Engineering, GNDEC, BIDAR.

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

Page 1



# GURU NANAK DEV ENGINEERING COLLEGE

BIDAR-585 403

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1. AMIT
2. DEEPAK
3. G. AKASH KUMAR
4. NAGARAJ
5. NAGESH
6. NAVANATH
7. NIKHIL
8. RAVI KUMAR
9. SAAD ULLAH KHAN
10. SALOMAN
11. SIDDHAROOD
12. BALAJI
13. SUNIL

3GN18CV016  
3GN18CV025  
3GN18CV028  
3GN19CV052  
3GN19CV053  
3GN19CV054  
3GN19CV057  
3GN19CV060  
3GN19CV061  
3GN19CV062  
3GN19CV068  
3GN20CV402  
3GN20CV416

  
P.M. SINGA

Project guide

  
H. O. D.  
Civil Engg. Dept.

Dr. B.B. KORI

H.O.D OF CIVIL ENGG. DEPT.

  
PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

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# GURU NANAK DEV ENGINEERING COLLEGE

BIDAR – 585403

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## DEPARTMENT OF CIVIL ENGINEERING

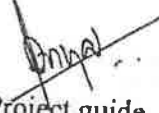
### CERTIFICATE


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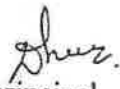
#### SUBMITTED BY:

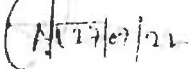
1. DIKSHA SINGODE
2. NEHA MALGE
3. NIDHI
4. PREETI POLEKAR
5. PRIYANKA
6. SIRASGE AKSHATA
7. SOUNDARYA
8. SUSHMA
9. VANISHREE
10. PRANITA
11. MONIKA YAMME

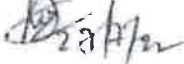
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3GN19CV069  
3GN19CV070  
3GN19CV072  
3GN19CV079  
3GN19CV085  
3GN19CV051

  
Project guide  
Prof. pradeep kumar singa

  
head of department  
Dr. B.B kori

  
principal  
Dr. dhananjay D. maktedar

Examiners: 1. 

2. 

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

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Guru Nanak Dev Engg. College, Bidar

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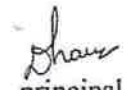
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#### SUBMITTED BY:

1. GURURAJ	3GN18CV033
2. MD ZUBER	3GN18CV053
3. MOHAMMED MIFTAH UDDIN	3GN18CV058
4. MOHAMMED TALHA AHMED	3GN18CV063
5. SANKET DHUMMANSURE	3GN19CV063
6. SHASHIKUMAR H K	3GN19CV064
7. SHIVSHANKAR KHERE	3GN19CV065
8. SHUBHAM	3GN19CV066
9. SHUBHAM	3GN19CV047
10. KRISHNA	3GN20CV405
11. VIVEK ROSHAN NANDA	3GN19CV084
12. STEVEN	3GN20CV415

  
Project guide  
Prof. pradeep kumar singa

  
H. O. D.  
Civil Engg. Dept.  
head of department  
Dr. B.B kori

  
principal  
Dr. dhananjay D. maktedar

  
24/05



PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



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BIDAR-585 403

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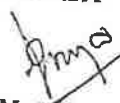


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1. MOHD IMADUDDIN	3GN18CV067
2. MUSTAFA KHAN	3GN18CV069
3. NIKHAIL CH	3GN18CV073
4. SRIKANT	3GN19CV071
5. SYED AHMED HASHMI	3GN19CV073
6. SYED FATEEN AHMED	3GN19CV074
7. SYED MASOOD AHMED	3GN19CV076
8. SYED OMAR FAROOQ HUSSAIN	3GN19CV077
9. ULLAS	3GN19CV078
10. SHIVKUMAR	3GN20CV413
11. VENKATESH	3GN18CV115
12. VIPUL	3GN19CV081
13. VISHNU KUMAR	3GN19CV082
14. VIVEK	3GN19CV083

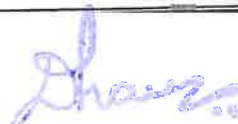
  
P.M. SINGA

Project guide

  
Dr. B.B. KORI

H.O.D OF CIVIL ENGG. DEPT..

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PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

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**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



**Er. Shridhar S. Pujar**

B.E. (Civil), M.Tech, AIIV

Consulting Engineer & Chartered Valuer

Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi - 590 011  
E-mail : [sppujar89@gmail.com](mailto:sppujar89@gmail.com),  
Cell : +91-88845 17037, 9900536929

◆ Approved Valuer

◆ Consulting Civil Engineer

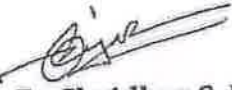
◆ Contractors

DATE: 08.10.2021

**TO WHOM IT MAY CONCERN .**

This is to certify that Mr. Siddaraj(USN: 3GN14CV105) a student BE Civil Engineering from Guru Nanak Dev Engineering College Bidar, has done Site Engineer at our firm from 02.09.2021 to 30.09.2021. During this period of his internship program with us. He was found punctual, hardworking and inquisitive.

We wish him every success in life



**Er. Shridhar S. Pujar**

B.E. (Civil), M. Tech, AIIV  
Consulting Engineer & Chartered Valuer  
Address: Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi-590011.



**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INT/ENR/2021/1093



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

## Certificate of Completion

This is to certify that Mr./Ms. D.Pragful student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

  
Dr. P.R. Swarup  
D.G., CIDC



PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



# RIGHT HAUS CONSTRUCTIONS

Date :- 9/10/21

To Whom So Ever it May Concern

This is To Certify That **SHIVSHANKAR S/O MALLIKARJUN**, a student of Civil Engineering in Gurunanak Dev Engineering College Bidar. Has successfully completed his short term internship programmed at our company.

He was assigned different activities of our company such as rcc slab, staircase, beams, client interaction, supervision at construction site Etc, between 09/09/2021 and 09/10/2021. During this tenure he has Successfully undertaken the task assigned to him and completed them to our almost satisfaction. We find him punctual, honest, diligent, hardworking and inquisitive.

We wish him success in his career.

Authorized signatory

Md Owais Saud

Design Structural Consultant



Opposite Food Zone, M.G. Road, Kalaburgi - 585104  
Call: 9742886225 - 7019342919 Email: info@righthaus.in

PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

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## CERTIFICATE OF COMPLETION

Certification No: MOS-INTERN/21-12/2081  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that STEFFI REEZA bearing USN 30415CV118 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 8 weeks industrial training & practice as part of internship.

STEFFI REEZA has worked on Create a 3D model for site measurement 60' x 40' with following details:  
Ground floor parking, First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found STEFFI REEZA, sincere, hardworking, and result oriented.

We wish STEFFI REEZA all the best for his future endeavors.

Period: 8th Sept to 7th Oct 2021

Respectfully,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini



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Guru Nanak Dev Engg. College, Bidar



Number: CIDC/INTERN/2021/1105



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Mohd Ahtesham Ahmed student of 7<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INTERN/2021/1104



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Mohammed Abubakar Talha student of 7th Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

A handwritten signature in blue ink, appearing to read 'Dr. R.R. Swarup', is written over the printed name.

Dr. R.R. Swarup  
D.G., CIDC

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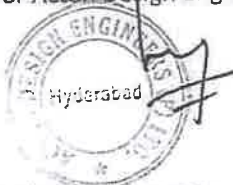
## TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Md Fasiuddin bearing USN 3GN16CV042 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 07 Sep 2021 to 07 Oct-2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~We wish him all the success in his future endeavors.~~~~~

For Acton Design Engineers (P) Ltd,



Authorized Signatory

*Shauz*

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Guru Nanak Dev Engg. College, Bidar

Flat no: 303, Manzil Chamber ,Pillar No 17, Mehdiapatnam. www.hvacmep.com

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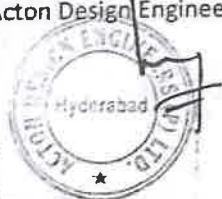
### TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Mohd Abdul Nadeem bearing USN 3GN16CV064 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 07 Sep 2021 to 07 Oct 2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~We wish him all the success in his future endeavors.~~~~~

For Acton Design Engineers (P) Ltd,



Authorized Signatory

Flat no: 303, Manzil Chamber, Pillar No 17, Mehdiapatnam. www.hvacmep.com

Ph : +914035937574, Cell : 08497987000, Email id : info@hvacmep.com

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*Shauz*

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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2084

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that PAVITRA REDDY USN 3GN16CV079 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MANJULA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MANJULA, sincere, hardworking, and result oriented.

We wish MANJULA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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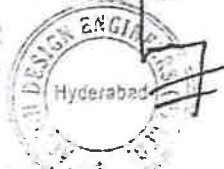
## TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. SAIFAN AHMED bearing USN 3GN16CV096 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 07 Sep 2021 to 07 Oct 2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~"We wish him all the success in his future endeavors."~~~~~

For Acton Design Engineers (P) Ltd,



Authorized Signatory

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

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Ph : +914035937574, Cell : 08497987000, Email id : info@hvacmep.com



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Syed Ishfaqul Haq Hashmi

GURU NANAK DEV ENGINEERING COLLEGE

3GN16CV113

Intern Has Successfully Completed The Internship.  
Intern Was Found To Be Good And Disciplined.  
September 1 to october 15th, 2021.



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# CERTIFICATE

## OF INTERNSHIP

UI: CMTINOV21126

This is to certify that MD Mushtaq USN No. 3GN16CV125 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

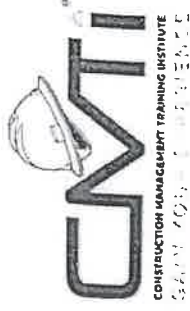
Internship Duration

From 06/09/2021 to 07/10/2021

Member of



Training Partner For



S. G. Ashok Kumar

Er. S.G. Ashok Kumar PMP, IGBC-AP  
CEO & Founder  
Construction Management Training Institute  
[www.cmti.co.in](http://www.cmti.co.in)

Contact: +91-8884422179

PRINCIPAL  
Anand Dev Engg. College Bidar

Number: CIDC/INTERN/2021/1100



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(Established by Planning Commission, Govt. of India)



Engineering Council of India

# *Certificate of Completion*

This is to certify that Mr./Ms. Bhagesh Sunagar student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi

Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar





# RIGHT HAUS CONSTRUCTIONS

Date :- 9/10/21

To Whom So Ever it May Concern

This is To Certify That **GANESH S/O SRIMANT**, a student of Civil Engineering in Gurunanak Dev Engineering College Bidar. Has successfully completed his short term internship programmed at our company.

He was assigned different activities of our company such as rcc slab, staircase, beams, client interaction, supervision at construction site Etc, between 09/09/2021 and 09/10/2021. During this tenure he has Successfully undertaken the task assigned to him and completed them to our almost satisfaction. We find him punctual, honest, diligent, hardworking and inquisitive.

We wish him success in his career.

Authorized signatory

Md Owais Saud

Design Structural Consultant



Opposite Food Zone, M.G. Road, Kalaburgi - 585104  
Call: 9742886225 - 7019342919 Email: info@righthaus.in

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Guru Nanak Dev Engg. College, Bidar

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**RIGHT HAUS  
CONSTRUCTIONS**

Date :-

**To Whom So Ever it May Concern**

This is To Certify That **JIBI JOSEPH S/O JOSEPH GEORGE** , a student of Civil Engineering in Gurunanak Dev Engineering College Bidar. Has successfully completed his short term internship programmed at our company.

He was assigned different activities of our company such as rcc slab, staircase, beams, client interaction, supervision at construction site Etc, between 09/09/2021 and 09/10/2021. During this tenure he has Successfully undertaken the task assigned to him and completed them to our almost satisfaction. We find him punctual, honest, diligent, hardworking and inquisitive.

We wish him success in his career.

Authorized signatory

Md Owais Saud

Design Structural Consultant



Opposite Food Zone, M.G. Road, Kalaburgi - 585104  
Call: 9742886225 - 7019342919 Email: info@righthaus.in

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## CERTIFICATE OF COMPLETION

Certification No.: MDS,INTERN/21-22/2083  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MANE YOGESHWARI SANJAY bearing USN 3GN17CV032 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MANE YOGESHWARI SANJAY has worked on Create a 3D model for site measurement 60' x 40' with following details

Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MANE YOGESHWARI SANJAY, sincere, hardworking, and result oriented.

We wish MANE YOGESHWARI SANJAY all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. MD Kaleemuddin bearing USN-3GN17CV051 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 09th September 2021 to 09th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



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EC-11, Santosh Nagar | Masabtank | Dubai, Ph. +917097673344, +919700910004



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. MD Shoeb Ahmed bearing USN-3GN17CV054 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 09th September 2021 to 09th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



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*[Signature]*  
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Gurunanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS,INTERN/21-22/2087  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that NAGARAJ PANCHAL bearing USN 3GN17CV058 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

NAGARAJ PANCHAL has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found NAGARAJ PANCHAL, sincere, hardworking, and result oriented.

We wish NAGARAJ PANCHAL all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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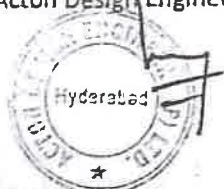
## TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Shaik Basheer Aywaz bearing USN 3GN17CV075 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 01 Sep 2021 to 07 Oct 2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~We wish him all the success in his future endeavors.~~~~~

For Acton Design Engineers (P) Ltd,



Authorized Signatory

PRINCIPAL  
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Ph : +914035937574, Cell : 08497987000, Email id : info@hvacmep.com





Date :-

To Whom So Ever it May Concern

This is to Certify that SHAIK FURQAN S/O SHAIK VAZEER, a student of Civil Engineering in Gurumanak Dev Engineering College Bidar. Has successfully completed his short term internship programmed at our company.

He was assigned different activities of our company such as rec slab, staircase, beams, client interaction, supervision at construction site Etc. between 09/09/2021 and 09/10/2021. During this tenure he has Successfully undertaken the task assigned to him and completed them to our almost satisfaction. We find him punctual, honest, diligent, hardworking and inquisitive.

We wish him success in his career.

Authorized signatory

Md Owais Saud

Design Structural Consultant



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Number: CIDC/INTERN/2021/1097



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Engineering Council of India


# Certificate of Completion

This is to certify that Mr./Ms. Sumeet Patil student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

  
Dr. P.R. Swarup  
D.G., CIDC



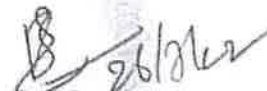
# GURU NANAK DEV ENGINEERING COLLEGE BIDAR

Mailur Road, Mailoor, Bidar, Karnataka 585403



## Department of Civil Engineering CERTIFICATE

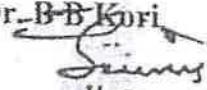
Certified that the project work entitled "Optimization of Pervious Concrete Performance Using Central Composite Design: A Response Surface Methodology Approach" carried out by TRIMBAK (3GN17CV098), VIKAS REDDY (3GN17CV106), SURAJ PHULE (3GN17CV089) bonafide students of Guru Nanak Dev Engineering College Bidar in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Guide

Prof. BASAWAKUMAR

  
Co-ordinator

Prof. Uma Shankar Yaligar

HOD  
Dr. B. B. Kori  
  
H. O. D.  
Civil Engg. Dept.

Name of Examiners

1.

2.

Principal  
Dr DHANANJAY D M

Signature with Date



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## ABSTRACT

Pervious Concrete is a specially formulated concrete having minimal or no fines in it, which makes the concrete to form voids in it. The Pervious concrete is casted with only three main ingredients cement, coarse aggregate and water. As the pervious concrete omits fine aggregate, the strength of the concrete is decreased so that it cannot be used as a Conventional Concrete. It can be used in the areas where there is low traffic volume. The main characterises of the pervious concrete is, it allows the water to pass through it. By the virtue of this property the pervious concrete is used in the water-logged areas. In this study an investigation has been done on the materials which are suitable for the pervious concrete to enhance the Compressive strength. Coarse aggregate has been varied and tested with different W/C ratio as prescribed by the Response Surface Methodology (RSM) and the Responses Permeability and Compressive strength of the Pervious Concrete is recorded and inputted in the Response surface Methodology later the results are analysed using Central Composite Design. The results of the analysis show the optimized values i.e., 0.34 W/C ratio and 10mm size of aggregate that can be adopted to cast pervious concrete to attain the permeability of 4.41mm/sec and compressive strength of 8N/mm<sup>2</sup>. The optimized values are noted, using these values pervious concrete using bricks as aggregates are casted and tested after the curing period. The responses permeability and compressive strength are then compared with the Conventional pervious concrete. The effect of porosity on the permeability was significant as the maximum porosity attained was 20% which has a maximum flow rate of 4.41 mm/sec which shows that the porosity is directly proportional to the flow rate of the pervious concrete mixtures. The Predicted Maximum Compressive strength of the PC mixtures was 17 N/mm<sup>2</sup>. Later the results show the maximum compressive strength of 12 N/mm<sup>2</sup> for Coarse aggregate induced Pervious Concrete mixtures. The bricks induced Pervious Concrete mixtures has a Maximum Compressive strength of 5.5 N/mm<sup>2</sup> which describes that the compressive strength of the PC mixtures having bricks as aggregate has a less compressive strength as compared to the PC mixtures induced with coarse aggregate.



PRINCIPAL

Guru Nanak Dev Engg. College, Bider

Date :-

To Whom So Ever it May Concern

This is To Certify That **SYED ASIM ZAID S/O SYED MOHAMMAD ALI**, a student of Civil Engineering in Gurunanak Dev Engineering College Bidar. Has successfully completed his short term internship programmed at our company.

He was assigned different activities of our company such as rcc slab, staircase, beams, client interaction, supervision at construction site Etc, between 09/09/2021 and 09/10/2021. During this tenure he has Successfully undertaken the task assigned to him and completed them to our almost satisfaction. We find him punctual, honest, diligent, hardworking and inquisitive.

We wish him success in his career.

Authorized signatory



Md Owais Saud

Design Structural Consultant



PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Opposite Food Zone, M.G. Road, Kalaburgi - 585104  
Call: 9742886225 - 7019342919 Email: info@righthaus.in

**Er. Shridhar S. Pujar**

B.E.(Civil), M.Tech, AIIV

Consulting Engineer & Chartered Valuer

Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi - 590 011.

E-mail : sspujar89@gmail.com,  
Cell : +91-88845 17037, 9900536923

◆ Approved Valuer

◆ Consulting Civil Engineer

◆ Contractors

DATE: 08.10.2021

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. Trimbak (USN: 3GN17CV098) a student BE Civil Engineering from Guru Nanak Dev Engineering College Bidar, has done Site Engineer at our firm from 02.09.2021 to 30.09.2021. During this period of his internship program with us. He was found punctual, hardworking and inquisitive.

We wish him every success in life



**Er. Shridhar S. Pujar**

B.E. (Civil), M. Tech, AIIV

Consulting Engineer & Chartered Valuer

Address: Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi-590011.



**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



**Er. Shridhar S. Pujar**

B.E.(Civil), M.Tech, AIIV

Consulting Engineer & Chartered Valuer

Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi - 590 011  
E-mail: sapujar89@gmail.com  
Cell: +91-88845 17037, 9900536929

◆ Approved Valuer

◆ Consulting Civil Engineer

◆ Contractors

DATE: 08.10.2021

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. Vikas Reddy (USN: 3GN17CV106) a student BE Civil Engineering from Guru Nanak Dev Engineering College Bidar, has done Site Engineer at our firm from 02.09.2021 to 30.09.2021. During this period of his internship program with us. He was found punctual, hardworking and inquisitive.

We wish him every success in life



**Er. Shridhar S. Pujar**

B.E. (Civil), M. Tech, AIIV  
Consulting Engineer & Chartered Valuer  
Address: Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi-590011.



**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2061

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that AAKASH BIRADAR bearing USN 3GN18CV001 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

AAKASH BIRADAR has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found AAKASH BIRADAR, sincere, hardworking, and result oriented.

We wish AAKASH BIRADAR all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



PRINCIPAL  
Guru Nanak Dev College, Kolar





## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Abdul Rafey Hisham Khan bearing USN-3GN18CV002 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



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ECIL | Santoshi Nagar | Masabtank | Dubai, Pl. +917097673344, +919700910004

*[Signature]*

PRINCIPAL

Guru Nanak Dev

College, Bidar

Number: CIDC/INTERN/2021/1095



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)




Engineering Council of India

## Certificate of Completion

This is to certify that Mr./Ms. Abhishek student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

  
Dr. P.R. Swarup  
D.G., CIDC



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INTERN/2021/1090



**Construction Industry Development Council**  
(Established by Planning Commission, Govt. of India)



**Engineering Council of India**

# *Certificate of Completion*

This is to certify that Mr./Ms. Abhishek Biradar student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INTERN/2021/1091



**Construction Industry Development Council**  
(Established by Planning Commission, Govt. of India)



**Engineering Council of India**

# *Certificate of Completion*

This is to certify that Mr./Ms. Abhishek Patil student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

*Sharma*  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



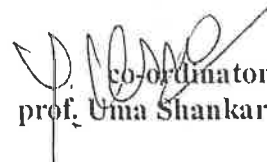
**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**  
Mailur Road, Mailoor, Bidar, Karnataka 585403




**Department of Civil Engineering**  
**CERTIFICATE**

Certified that the project work entitled "STUDY ON FLEXURAL BEHAVIOUR OF DECK SLAB USING GFRP BARS" carried out by **Mr. Adil Ahemed (3GN18CV007)**, **Mr. Ajay Kumar Singh (3GN18CV010)**, **Mr. D Krishna (3GN18CV024)** and **Mr. Md habeeb ali (3GN18CV046)** bonafide students of Guru Nanak Dev Engineering College Bidar in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Guide  
Prof. Uma Shankar Yaligar


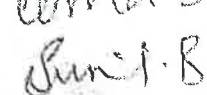
  
co-ordinator  
prof. Uma Shankar Yaligar

  
Hod  
Dr. B B Kori

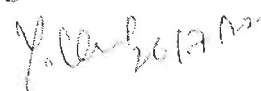
  
Principal  
Dr. Dhananjay D. Maktedar  
**PRINCIPAL**  
Guru Nanak Dev Engg. College  
BIDAR

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

**Name of Examiners**

1.  Yaligar
2.  Kori

**signature with Date**

 26/7/22

## ABSTRACT

To meet the needs of modern infrastructure, new innovative materials and technologies have started their way in the construction industry. Any technology or material has its limitations with structures became older and with increasing bar corrosion, older buildings began to demand extra retrofits to increase their durability and life. Recent studies suggest that glass fibers may help replace cement in the concrete industry in this project we tried to overcome the above stated structural and environmental problems faced by the engineers in day to day construction. The major objective of the is to overcome the retrofitting and reconstruction and repairs capital investment. As the GFRP bars GFRP-S) (.20%) used in the deck slab gives higher ultimate load bearing capacity (102KN) and minimal deflection (.061 m) as and when compared with conventional deck slab made of steel(SS) and the fully replaced with (GFRP-F)(.30%). From this we can say that it can be a game changer and has the ability to revolutionize the field of civil engineering and its applications.



**PRINCIPAL**  
Guru Mahesh Day Singh College, Bidar



**CERTIFICATE OF COMPLETION**

Certification No.: MDS-INTERN/21-22/2098  
Date: 25th Oct 2021

**Industrial Training & practice. (Internship Certificate)**

This is to certify that AISHWARYARANI bearing USN 3GN18CV009 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 4 weeks industrial training & practice as part of internship.

AISHWARYARANI has worked on Create a 3D model for site measurement ~~60' x 40' with~~ following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the course with us we found AISHWARYARANI, sincere, hardworking, and result oriented.

We wish AISHWARYARANI all the best for his future endeavors.

Duration: 5 Sept to 7 Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini  
Prag Medini



SERVICES: Design | Construction | Software Solutions | School of Design




MEDINI,  
#29-43/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA

Pin: 030 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road,

Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Filar

|   |  |   |
|---|--|---|
|  <p>Shakra Education's Private</p> | <p style="text-align: center;"><b>भाखडा व्यास प्रबन्ध बोर्ड</b></p> <p style="text-align: center;">नंगल बाध मण्डल<br/>बीबीएमबी, नंगल टाउनशिप-140124</p> <p>Phone No.:  01887 - 227563</p> |  |
|---|--|---|

**TO WHOM IT MAY CONCERN**  
**CERTIFICATE**

It is certified that Sh. Ajay Kumar Singh, student of BE Civil Engineering, Guru Nanak Dev Engineering college, Bidar had taken the practical training for the period 01-09-2021 to 30-09-2021 in this division. The work & conduct of the above named trainee is very good.

During the above training period, he was hard worker/ obediently/ punctual.

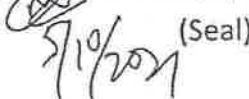
I wish him for success in future life.

Signature of the concerned.

No. 9427 / 51-E  
Dated 5/10/2021.

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

(ER. RAJESH VASHISHT)  
Addl. Superintending Engineer,  
Nangal Dam Division, BDMB,  
Nangal Township.

  
05/10/2021 (Seal)

## CERTIFICATE OF COMPLETION

Certification No.: MDS-INTERN/21-22/2105

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that **AKSHATA PAWAR** bearing USN 3GM18CV011 studying Civil Engineering at Guru Hanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

AKSHATA PAWAR has worked on Create a 3D model for site measurement 60' x 40' with following details:  
Ground floor parking, First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found AKSHATA PAWAR, sincere, hardworking, and result oriented.

We wish AKSHATA PAWAR all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
219/3/E, Opp Manohar Market,  
Vijayanagara, Bengaluru-40  
KARNATAKA, INDIA  
Pin-560 033, 117-11005

Offices: Belgaum, Kalyanuragi, Kolar, Kuvempu Road,  
Services in: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



PRINCIPAL  
Guru Hanak Dev Engg. College, Bidar



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2062

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that AKSHATA M bearing USN 3GN18CV012 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

AKSHATA M has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found AKSHATA M, sincere, hardworking, and result oriented.

We wish AKSHATA M all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 980 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2088

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that ANIL KUMAR BUDIHAL bearing USN 3GN18CV017 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

ANIL KUMAR BUDIHAL has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ANIL KUMAR BUDIHAL, sincere, hardworking, and result oriented.

We wish ANIL KUMAR BUDIHAL all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301095

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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2063

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that ANNAPURNA bearing USN 3GN18CV020 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

ANNAPURNA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ANNAPURNA, sincere, hardworking, and result oriented.

We wish ANNAPURNA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations head & HR INDIA  
Medini.  
hr@medini.in



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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
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Guru Nanak Dev Engg. College, Bida

Number: CIDC/INTERN/2021/1089



**Construction Industry Development Council**  
(Established by Planning Commission, Govt. of India)



**Engineering Council of India**

# *Certificate of Completion*

This is to certify that Mr./Ms. Ayush student of 7<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Dr. P.R. Swarup  
D.G., CIDC

Number: CIDC/INTERN/2021/1096



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)




Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Baswaraj student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

  
Dr. P.R. Swarup  
D.G., CIDC

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

SP/IN/21/A/21

19<sup>th</sup> October, 2021

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. D. Krishna (USN- 3GN18CV024), 4<sup>th</sup> Year, enrolled in the 4-week internship program during September 2021, at STeP Construction Consultants, completing a cost and quantity building estimation project, along with a detailed site visit, for multi-storeyed R.C.C building, as part of their undergrad thesis, under the supervision of professional engineers.

-----All safety guidelines were followed on-site in compliance with Covid-19 measures.-----

We wish him success.



**Mohammed Faraz**  
Managing Partner

*[Signature]*  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bihar



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2064

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that GARAD UTKARSH MANIKRAO bearing USN 3GN18CV029 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

GARAD UTKARSH MANIKRAO has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found GARAD UTKARSH MANIKRAO, sincere, hardworking, and result oriented.

We wish GARAD UTKARSH MANIKRAO all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



**Mohan Kumar K**  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INTERN/2021/1094



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Govind Pola student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2065

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that JSHIKODCHIRKAR DEVANG bearing USN 3GN18CV034 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

JSHIKODCHIRKAR DEVANG has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found JSHIKODCHIRKAR DEVANG, sincere, hardworking, and result oriented.

We wish JSHIKODCHIRKAR DEVANG all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

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Karnataka, INDIA  
Ph: 080 13301005

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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.

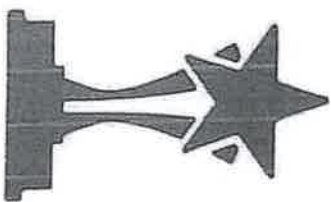


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Guru Nanak Dev Engg. College, Bidar

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# CERTIFICATE OF INTERNSHIP

UI: CMTIDEC21115



**CMT**  
CONSTRUCTION MANAGEMENT TRAINING INSTITUTE  
GAIN YOUR EXPERIENCE



This is to certify that Mr. Kamal Bilerpam Sah USN No. 3GN18CV035 has undergone the Industry Oriented online Internship Training "Green Building Technology / Practices" organised by Construction Management Training Institute and submitted his learning report. We certify the internship is as per the industry standards.

Topic Covered: Green Building Technology / Practices

Internship Duration

From 05/09/2021 to 05/10/2021

S.G. Ashok Kumar

Er. S.G. Ashok Kumar PMP, IGBC-AP  
CEO & Founder  
Construction Management Training Institute

www.cmti.co.in



Training Partner For

Contact: +91 8884422179



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2066

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that KRASHNAVENI bearing USN 3GN18CV037 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

KRASHNAVENI has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found KRASHNAVENI, sincere, hardworking, and result oriented.

We wish KRASHNAVENI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K.  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
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PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

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## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Maaz Mahmood Khan bearing USN-3GN18CV038 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*Maaz Khan*  
Managing Director  
(KG MECH Group)

MECHANICAL | ELECTRICAL | CIVIL | COMPUTERS | HEALTH & SAFETY  
ECIL, Sindhoi Nagar | Alwarhobli | Dabul, Ph. +917097673344, +919700910004



*Shankar*  
PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2067

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MAGRET METRE bearing USN 3GN18CV039 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of Internship.

MAGRET METRE has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MAGRET METRE, sincere, hardworking, and result oriented.

We wish MAGRET METRE all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2068  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MANOHAR SINGH bearing USN 3GN18CV042 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MANOHAR SINGH has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MANOHAR SINGH, sincere, hardworking, and result oriented.

We wish MANOHAR SINGH all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

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Guru Nanak Dev Engg. College, Bidar



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

This is to certify that Mr./Ms. **MD Arshad Hussain** bearing **USN-3GN18CV044** student of B.E. Department of Civil Engineering, **GURUNANAK DEV Engineering College Bidar** has successfully completed **Technical Internship Training** conducted on Civil Engineering, including **Architecture Design, AutoCAD Software, Drawing Preparation & Site Errection for Residential & Commercial Projects** from **07th September 2021 to 07th October 2021** in Collaboration with **KG Constructions, Hyderabad** as a partial fulfilment of curriculum requirement.



  
Managing Director  
(KG MECH Company)



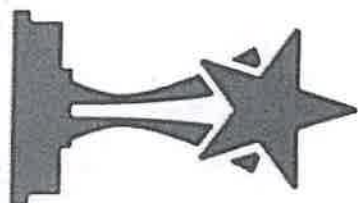
MECHANICAL | ELECTRICAL | **CIVIL** | COMPUTERS | HEALTH & SAFETY  
ECIL | Santosh Nagar | Masabtank | Dubai, Ph. +917897673344, +919700910004



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

# CERTIFICATE OF INTERNSHIP

UI: CMTINOV21123



**CMTI**  
CONSTRUCTION MANAGEMENT TRAINING INSTITUTE  
GAIN KNOWLEDGE  
IN PRACTICE



This is to certify that Md Faizuddin USN No. 3GN18CV045 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the industry standards.

Topic Covered: Construction Finishes

Internship Duration

From 06/09/2021 to 07/10/2021

*S. G. Ashok*

**Er. S.G. Ashok Kumar** MAN. IGC-AP  
CEO & Founder  
Construction Management Training Institute  
[www.cmti.co.in](http://www.cmti.co.in)

Proud Member of



Training Partner For



Contact: +91 8884422179

*Shaw*

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**  
Mailur Road, Mailoor, Bidar, Karnataka 585403





**Department of Civil Engineering**  
**CERTIFICATE**

Certified that the project work entitled "STUDY ON FLEXURAL BEHAVIOUR OF DECK SLAB USING GFRP BARS" carried out by Mr. Adil Ahemed (3GN18CV007), Mr. Ajay Kumar Singh (3GN18CV010), Mr. D Krishna (3GN18CV024) and Mr. Md habeeb ali (3GN18CV046) bonafide students of Guru Nanak Dev Engineering College Bidar in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Guide  
Prof. Uma Shankar Yaligar

  
co-ordinator  
prof. Uma Shankar Yaligar

  
Hod  
Dr. B. B. Kori

  
Principal  
Dr. Dhananjay D. Maktedar  
**PRINCIPAL**  
Guru Nanak Dev Engg. College  
BIDAR

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College

**Name of Examiners**

1. Uma Shankar Y
2. B. B. Kori

**signature with Date**

  
26/7/22

  
26/7/22



## ABSTRACT

To meet the needs of modern infrastructure, new innovative materials and technologies have started their way in the construction industry. Any technology or material has its limitations with structures became older and with increasing bar corrosion, older buildings began to demand extra retrofits to increase their durability all life. Recent studies suggest that glass fibers may help replace cement in the concrete industry in this project we tried to overcome the above stated structural and environmental problems faced by the engineers in day to day construction. The major objective of the is to overcome the retrofitting and reconstruction and repairs capital investment. As the GFRP bars GFRP-S) (.20%) used in the deck slab gives higher ultimate load bearing capacity (102KN) and minimal deflection (.061 m) as and when compared with conventional deck slab made of steel(SS) and the fully replaced with (GFRP-F)(.30%).From this we can say that it can be a game changer and has the ability to revolutionize the field of civil engineering and its applications.



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# CERTIFICATE OF INTERNSHIP

UI: CMTINOV21124



This is to certify that Md. Majid USN No. 3GN18CV047 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

Internship Duration  
From 06/09/2021 to 07/10/2021

S.G. Ashok Kumar

Er. S.G. Ashok Kumar PMP, IGBC-AP  
CEO & Founder  
Construction Management Training Institute  
www.cmti.co.in

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Contact: +91 8884422179

*Shau...*

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Guru Nanak Dev Engg. College, Bidar

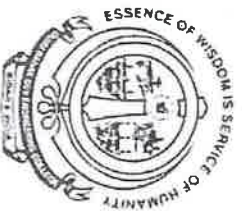
## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. MD Muntaha Shuja bearing USN-3GN18CV048 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*

*Shuja*

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Guru Nanak Dev Engg. College, Bidar



**Managing Director**  
(KG MIECH Group)



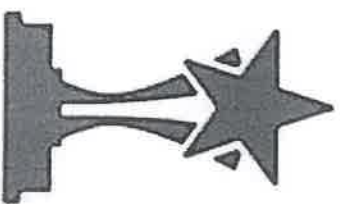
**MECHANICAL | ELECTRICAL | CIVIL | COMPUTERS | HEALTH & SAFETY**

100 H., Samarth Nagar | Abusabhanik | Dubai, Ph. +917097673344, +919700910004

**Guru Nanak**

# CERTIFICATE OF INTERNSHIP

UI: CMTINOV21163



This is to certify that Mr. Md Razuddin

USN No. 3GN18CV049

has undergone the Industry Oriented online Internship Training "Construction  
Finishes" organised by Construction Management Training Institute and submitted  
his learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

Internship Duration

From 10/09/2021 to 11/10/2021

S.G. *Signature*

Er. S.G. Ashok Kumar PMP, IGBCAP  
CEO & Founder  
Construction Management Training Institute  
www.cmti.co.in

Contact: +91 8884422179

Member of



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Guru Nanak Dev College, Bikaner





Electro - Mechanical Pvt. Ltd.  
ISO 9001 - 2015 Certified



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. MD Shahbaz Saquib Ali bearing USN-3GN18CV050 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



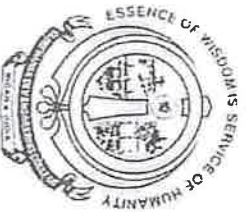
MECHANICAL | ELECTRICAL | CIVIL | COMPUTERS | HEALTH & SAFETY  
ECIL | Sanjosh Nagar | Mysore | Dubai, Ph. +917097673344, +919700910004

*[Signature]*  
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Guru Nanak Dev Engg. College, Bidar



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. **MD Shahebaz Ahmed** bearing **USN-3GN18CV051** student of **B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar** has successfully completed **Technical Internship Training** conducted on **Civil Engineering**, including **Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021** in **Collaboration with KG Constructions, Hyderabad** as a **partial fulfillment of curriculum requirement.***



**Managing Director**  
(KG MECH Group)

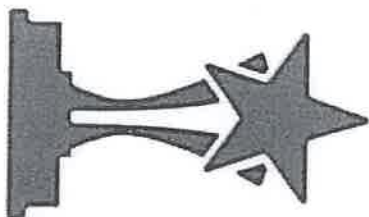


**MECHANICAL | ELECTRICAL | CIVIL | COMPUTERS | HEALTH & SAFETY**

**ECIL | Santosh Nagar | Alusabank | Dabai, Ph. +917097673344, +919700910004**

# CERTIFICATE OF INTERNSHIP

UI: CMTINOV21131



**CMTI**  
CONSTRUCTION MANAGEMENT TRAINING INSTITUTE  
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This is to certify that Mr. Mohammad Sohel USN No. 3GN18CV054 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

Internship Duration

From 06/09/2021 to 07/10/2021

PRINCIPAL

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S.G.

Er. S.G. Ashok Kumar PMP, IGBC-AP

CEO & Founder  
Construction Management Training Institute

[www.cmti.co.in](http://www.cmti.co.in)

Member of

Training Partner For

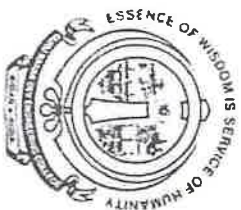




## TECHNICAL INTERNSHIP TRAINING

### CERTIFICATE

*This is to certify that Mr./Ms. Mohammed Imaduddin bearing USN-3GN18CV055 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



**Managing Director**  
(KG MECH Group)



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ECIL | Sunilosh Nagar | Masabtank | Dubai, Ph. 9917097673344, +919700910004

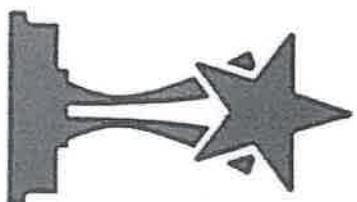
*Shauz*

*Shauz*

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# CERTIFICATE OF INTERNSHIP



**CMTI**  
CONSTRUCTION MANAGEMENT TRAINING INSTITUTE  
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UI: CMTINOV21098

This is to certify that Mr. Mohammed Impan Ishaan USN No. 3GN18CV056 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

Internship Duration

From 05/09/2021 to 05/10/2021

S.G. Ashok Kumar

Er. S.G. Ashok Kumar PMP, IGBC-AP  
CEO & Founder  
Construction Management Training Institute  
www.cmti.co.in

Contact: +91 8884422179



Member of

Training Partner For



*Shankar*

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Mohammed Luqman bearing USN-3GN18CV057 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



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**PRINCIPAL**

*[Signature]*  
Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/1069

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MOHAMMED MUNAVAR ALI bearing USN 3GN18CV059 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MOHAMMED MUNAVAR ALI has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture

During the tenure with us we found MOHAMMED MUNAVAR ALI, sincere, hardworking, and result oriented.

We wish MOHAMMED MUNAVAR ALI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



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# CERTIFICATE OF INTERNSHIP

UI: CMTINOV21116



This is to certify that Mohammed Rizwanuddin USN No. 3GN18CV061 has undergone the Industry Oriented online Internship Training "Practical Aspects of Construction Management" organised by Construction Management Training Institute and submitted her learning report. We certify the internship is as per the Industry standards.

Topic Covered: Construction Finishes

Internship Duration

From 10/08/2021 to 11/10/2021

S.G. Ashok Kumar

Er. S.G. Ashok Kumar Ph.D., IASCE-40  
CEO & Founder  
Construction Management Training Institute  
[www.cmti.co.in](http://www.cmti.co.in)

Contact: +91 8884422179



Training Partner For



*Dhans*

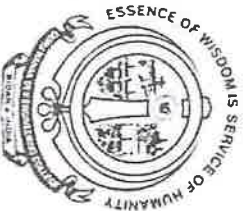
PRINCIPAL

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## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Mohammed Saqib Ali Attari bearing USN-3GN18CV062 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions. Hyderabad as a partial fulfillment of curriculum requirement.*



**Managing Director**  
(KG MECH Group)



IAS-ANZ

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**FCI | Samosh Nagar | Masabtank | Dubai, Ph. +917097673344**

+91700910004

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## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Mohammed Ubaiduddin bearing USN-3GN18CV064 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



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(KG MECH Group)



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KG MECH  
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ISO 9001 - 2015 Certified

KG CONSTRUCTIONS

## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Mohd Aif bearing USN-3GN18CV065 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



Managing Director  
(KG MECH Group)



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ECIL | Sanjosh Nagar | Manshank | Dabul, Ph. +917097673344, +919700910004

*Shau..*

PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



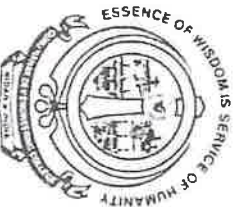
### TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Mohd Ibrahim Noor Uddin bearing USN-3GN18CV066 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions. Hyderabad as a partial fulfillment of curriculum requirement.*

*Shree*

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Guru Nanak Dev Engg. College, Bidar



**Managing Director**  
(KG MECH Group)



JAS-ANZ

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EG 11, | Sanshodh Nagar | Masabtank | Dubai, Pk. +917097673344, +919700910004

Number: CIDC/INTERN/2021/1088



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Neelkanth Bivadar student of 6<sup>th</sup> Sem,  
Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the  
industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

PRINCIPAL

Dr. P.R. Swarup  
D.G., CIDC

Guru Nanak Dev Engg. College, Bidar



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2102  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that NEHA bearing USN 3GN18CV071 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

NEHA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found NEHA, sincere, hardworking, and result oriented.

We wish NEHA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI.  
#2943 E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2085

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that NIHAL JADHAV bearing USN 3GN18CV072 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

NIHAL JADHAV has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found NIHAL JADHAV, sincere, hardworking, and result oriented.

We wish NIHAL JADHAV all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2070  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that NISHANT bearing USN 3GN18CV074 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

NISHANT has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found NISHANT, sincere, hardworking, and result oriented.

We wish NISHANT all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
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Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2071

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to cert fy that POOJA bearing USN 3GN18CV075 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

POOJA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found POOJA, sincere, hardworking, and result oriented.

We wish POOJA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



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Guru Nanak Dev Engg. College, Bidar

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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2095

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that PRANESH bearing USN 3GN18CV076 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

PRANESH has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found PRANESH, sincere, hardworking, and result oriented.

We wish PRANESH all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

SketchUp  
Authorized Partner

Foundation  
Institute

AUTODESK  
Learning Partner

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
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Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



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Guru Nanak Dev Engg. College, Bidar

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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2072

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that PRASHANTH bearing USN 3GN18CV077 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

PRASHANTH has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found PRASHANTH, sincere, hardworking, and result oriented.

We wish PRASHANTH all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

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#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23301005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



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Number: CIDC/INTERN/2021/1092



Construction Industry Development Council  
(Established by Planning Commission, Govt. of India)



Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Prateek Kumar Jagadev student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Dr. P.R. Swarup  
D.G., CIDC

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2073

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that **PRAVEENA** bearing **USN 3GN18CV081** studying **Civil Engineering** at **Guru Nanak Dev College of Engineering** has completed 5 weeks industrial training & practice as part of internship.

**PRAVEENA** has worked on **Create a 3D model for site measurement 60' x 40'** with following details  
**Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.**

During the tenure with us we found **PRAVEENA**, sincere, hardworking, and result oriented.

We wish **PRAVEENA** all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



**Mohan Kumar K**  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



SERVICES: Design | Construction | Software Solutions | School of Design.

MEDINI,  
#2943/E, Opp Maruthi Mandir,  
Vijayanagara, Bengaluru-40  
Karnataka, INDIA  
Ph: 080 23381005

Offices: Belgaum, Kalaburagi, Kolar, Kanakpura Road.  
Services at: Karnataka | Andhra Pradesh | Telangana | Maharashtra | New Delhi.



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2074

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that REVANASIDDAYYA bearing USN 3GN18CV083 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

REVANASIDDAYYA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found REVANASIDDAYYA, sincere, hardworking, and result oriented.

We wish REVANASIDDAYYA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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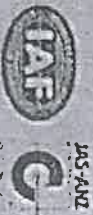
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

**TECHNICAL INTERNSHIP TRAINING**  
**CERTIFICATE**

*This is to certify that Mr./Ms. Saif Khan bearing USN-3GN18CV085 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architectural Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*[Signature]*  
Managing Director  
(KG MECH Group)



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*[Signature]*  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2104

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SAMEEKSHA WADEKAR bearing USN 3GN18CV086 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SAMEEKSHA WADEKAR has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SAMEEKSHA WADEKAR, sincere, hardworking, and result oriented.

We wish SAMEEKSHA WADEKAR all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2075  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that **SANDESH KUMAR KALEKAR** bearing USN 3GN18CV087 studying Civil Engineering at **Guru Nanak Dev College of Engineering** has completed 5 weeks industrial training & practice as part of internship.

**SANDESH KUMAR KALEKAR** has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found **SANDESH KUMAR KALEKAR**, sincere, hardworking, and result oriented.

We wish **SANDESH KUMAR KALEKAR** all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini  
hr@medini.in



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#194/5/E, Opp. Marudhi Mandir,  
Vijayanagara, Bengaluru 56  
Karnataka, INDIA  
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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2076  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SANGAMESH PATIL bearing USN 3GN18CV090 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SANGAMESH PATIL has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SANGAMESH PATIL, sincere, hardworking, and result oriented.

We wish SANGAMESH PATIL all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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**CERTIFICATE OF COMPLETION**

Certification No.: MDS.INTERN/21-22/2190  
Date: 15th Nov 2021

**Industrial Training & practice. (Internship Certificate)**

This is to certify that **SANJEEV KUMAR** bearing USN 3GN18CV091, studying Civil Engineering at **GURU NANAK DEV COLLEGE OF ENGINEERING**, has completed 5 weeks industrial training & practice as part of internship.

**SANJEEV KUMAR** has worked on 60' X 40' G+2 duplex residential building using AUTOCAD, REVIT ARCHITECTURE.

During the tenure with us we found him, sincere, hardworking, and result oriented.  
We wish him all the best for his future endeavors.

Duration: 17<sup>th</sup> Aug to 28<sup>th</sup> Sept 2021.

Regards,



Mohan Kumar K  
Operations Head  
MEDINI  
hr@medini.in



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Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2077

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SAROJA bearing USN 3GN18CV092 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SAROJA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SAROJA, sincere, hardworking, and result oriented.

We wish SAROJA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Guru Nanak Dev Engg. College, Bidar

**TECHNICAL INTERNSHIP TRAINING  
CERTIFICATE**

*This is to certify that **Mr./Ms. Shah Umar Ahmed Quadri** bearing USN-3GN18CV093 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*Signature*  
**Managing Director**  
(KG MECH Group)



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*Signature*

**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar



## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

*This is to certify that Mr./Ms. Shaik Danish Ahmed bearing U/SN-3GN18CV094 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.*



*Shafiq*  
Managing Director  
(KG MECH Group)



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*Shauk*

**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

## TECHNICAL INTERNSHIP TRAINING CERTIFICATE

This is to certify that Mr/Ms. Shaikh Aaqib Khaja Nizamuddin bearing USN-3GN18CV096 student of B.E. Department of Civil Engineering, GURUNANAK DEV Engineering College Bidar has successfully completed Technical Internship Training conducted on Civil Engineering, including Architecture Design, AutoCAD Software, Drawing Preparation & Site Erection for Residential & Commercial Projects from 07th September 2021 to 07th October 2021 in Collaboration with KG Constructions, Hyderabad as a partial fulfillment of curriculum requirement.

*Shawar*

**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

*Shawar*  
**Managing Director**  
(KG MECH Group)



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Number: CIDC/INTERN/2021/1103



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Engineering Council of India

# *Certificate of Completion*

This is to certify that Mr./Ms. Sharanu Khanapure student of 7<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2078

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SHIVA KANERI bearing USN 3GN18CV099 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of Internship.

SHIVA KANERI has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SHIVA KANERI, sincere, hardworking, and result oriented.

We wish SHIVA KANERI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Construction Industry Development Council  
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Engineering Council of India

## Certificate of Completion

This is to certify that Mr./Ms. Sujeet More student of 7<sup>th</sup> Sem. Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2106  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SUSHMA BALURE bearing USN 3GN18CV105 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SUSHMA BALURE has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SUSHMA BALURE, sincere, hardworking, and result oriented.

We wish SUSHMA BALURE all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2091

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that **SUSHMITA JADHAV** bearing USN 3GN18CV106 studying Civil Engineering at **Guru Nanak Dev College of Engineering** has completed 5 weeks industrial training & practice as part of internship.

SUSHMITA JADHAV has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SUSHMITA JADHAV, sincere, hardworking, and result oriented.

We wish SUSHMITA JADHAV all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

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Institute  
Product Training Provider

AUTODESK  
Learning Partner

Regards,



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Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Engineering Council of India

## Certificate of Completion

This is to certify that Mr./Ms. Syed Hyderali student of 7<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



# GURU NANAK DEV ENGINEERING COLLEGE BIDAR

Mallur Road, Mailoor, Bidar, Karnataka 585403



## Department of Civil Engineering CERTIFICATE

Certified that the project work entitled "EXPERIMENTAL INVESTIGATION ON HARDENED PROPERTIES OF ENGINEERED CEMENTITIOUS COMPOSITES" carried out by **Mr. SYED MUZAFFAR (3GN18CV110)**, Mr. MOHAMMED MUNAVAR ALI (3GN18CV059), Mr. MD SAQLAIN AHMED (3GN18CV414) and Mr. NIHAL JADHAV (3GN18CV072) bonafide students of Guru Nanak Dev Engineering College Bidar in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Guide

Prof. PRASHURAM LOKRE

  
H. O. D.  
Civil Engg. Dept.  
Dr. B. B. Kofi

Co-ordinator

Prof. Uma Shankar Yaligar

Principal

Dr. Ravinder Kher  
Guru Nanak Dev Engg. College, Bidar

### Name of Examiners

1. Uma Shankar
2. Sumit - B.

### Signature with Date

  
26/5/22

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

## ABSTRACT

Engineered Cementitious composite is an ultra ductile cementitious composite which is highly crack resistant, with a tensile strain capacity over that of normal concrete. In this study, three different types of PP. fibers are added to cement mortars with the aim to determine how they can be used to develop ECC materials. Fibers are used in different (aspect ratio, tensile strength and different proportions in volume fraction (1.0, 2.0, 3.0 and 4%)) in concrete mixture design. Hardened concrete properties, 28-days splitting tensile strength, flexural strength, cracking width were evaluated. Statistically significant effects were observed for polypropylene fibers on the splitting tensile and flexural strength, toughness indexes, and durability parameters showed an increase in the presence of polypropylene fibers. Increased fiber availability (fiber aspect ratio) in the concrete matrix, in addition to the ability of longer polypropylene fibers to bridge on the micro cracks, are suggested as the reasons for the enhancement in mechanical properties. Finally, crack width in fiber-reinforced concrete is calculated analytically with fiber property variables (fiber type, length, diameter and proportion). Results are compared with experimental values and concluded that with an increase in fiber length and/or decrease in fiber diameter crack width, decrease significantly



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Number: CIDC/INTERN/2021/1101



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Engineering Council of India

# Certificate of Completion

This is to certify that Mr./Ms. Vishvajeeth student of 7<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

**CERTIFICATE OF COMPLETION**

Certification No.: MDS.INTERN/21-22/2090  
Date: 25th Oct 2021

**Industrial Training & practice. (Internship Certificate)**

This is to certify that ARUTI bearing USN 3GN18CV405 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of Internship.

ARUTI has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ARUTI, sincere, hardworking, and result oriented.

We wish ARUTI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Vijayanagara, Bengaluru-40  
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07.10.2021

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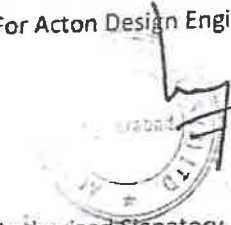
This is to certify that Mr. MA Rehan Ahmed Atari bearing USN 3GN18CV409 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 07 Sep 2021 to 07 Oct 2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~ We wish him all the success in his future endeavors. ~~~~~

For Acton Design Engineers (P) Ltd,

Authorized Signatory



Guru Nanak Dev Engg. College, Bidar

Flat no: 303, Manzil Chamber ,Pillar No 17, Mehdiapatnam. [www.hvacmep.com](http://www.hvacmep.com)

Ph : +914035937574, Cell : 08497987000, Email id : [info@hvacmep.com](mailto:info@hvacmep.com)

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2084  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MANJULA bearing USN 3GN18CV411 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MANJULA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MANJULA, sincere, hardworking, and result oriented.

We wish MANJULA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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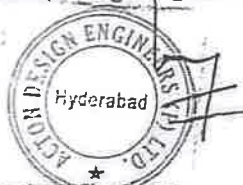
### TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Md Aijaz Dargawale bearing USN 3GN18CV412 of Guru Nanak Dev Engineering College, Bidar has worked in our organization with the designation as Trainee Intern, Construction Department from 07 Sep 2021 to 07 Oct 2021. He has been relieved from the Service Of the organization from the closing hours of 07 Oct 2021. During the tenure he was trained on Site execution.

We found him to be sincere, responsible and hard working in his assigned work. During the above tenure in our organization his conduct is satisfactory.

~~~~~We wish him all the success in his future endeavors.~~~~~

For Acton Design Engineers (P) Ltd,



Authorized Signatory

*[Signature]*  
CENTRAL  
Guru Nanak Dev Engg. College, Bidar

Flat no: 303, Manzil Chamber ,Pillar No 17, Mehdipatnam. www.hvacmep.com

Ph : +914035937574, Cell : 08497987000, Email id : info@hvacmep.com

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2097  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MD SAQLAIN AHMED bearing USN 3GN18CV414 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MD SAQLAIN AHMED has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MD SAQLAIN AHMED, sincere, hardworking, and result oriented.

We wish MD SAQLAIN AHMED all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



**Er. Shridhar S. Pujar**

B.E.(Civil), M.Tech, AIIV

Consulting Engineer & Chartered Valuer

Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi - 590 011  
E-mail : sspujar89@gmail.com.  
Cell : +91-88845 17037, 9900536929

❖ Approved Valuer

❖ Consulting Civil Engineer

❖ Contractors

DATE: 08.10.2021

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. Rasik(USN: 3GN18CV422) a student BE Civil Engineering from Guru Nanak Dev Engineering College Bidar, has done Site Engineer at our firm from 02.09.2021 to 30.09.2021. During this period of his internship program with us. He was found punctual, hardworking and inquisitive.

We wish him every success in life



**Er. Shridhar S. Pujar**

B.E. (Civil), M. Tech, AIIV  
Consulting Engineer & Chartered Valuer  
Address: Shop No. 19, Corporation Complex,  
Goaves, Hindwadi, Belagavi-590011.



**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2092

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that **AMIR KHAN** bearing **USN 3GN19CV400** studying Civil Engineering at **Guru Nanak Dev College of Engineering** has completed 5 weeks industrial training & practice as part of internship.

**AMIR KHAN** has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found **AMIR KHAN**, sincere, hardworking, and result oriented.

We wish **AMIR KHAN** all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

SketchUp  
Authorized Training  
Partner



Bentley  
Institute  
Authorized Training  
Partner



AUTODESK  
Learning Partner



Regards,



**Mohan Kumar K**  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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**MEDINI,**  
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PRINCIPAL  
Guru Nanak Dev Engg. College, Bangalore

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2086  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that ASHA RANI bearing USN 3GN19CV401 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

ASHA RANI has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ASHA RANI, sincere, hardworking, and result oriented.

We wish ASHA RANI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2096  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that ASHWINI bearing USN 3GN19CV402 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

ASHWINI has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ASHWINI, sincere, hardworking, and result oriented.

We wish ASHWINI all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Guru Nanak Dev College, Dhar



## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2101

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that ASHWINI NAGREY bearing USN 3GN19CV403 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

ASHWINI NAGREY has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found ASHWINI NAGREY, sincere, hardworking, and result oriented.

We wish ASHWINI NAGREY all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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# Acharya Associates

We undertake building plans, Estimates, Designs, Constructions, Supervision and Blue prints

No 2513, 10th Main Road, 'D' Block, 2nd Stage, Rajajinagar (Near Salamuri Ganapati Temple), Bangalore-10.

## TO WHOM IT MAY CONCERN

This is to certify that Mr. CHENNAVEER ~~s/o~~ SADANAND a student of BE (major in Civil = VII<sup>th</sup> semester) GURU NANAK DEV ENGINEERING COLLEGE BIDAR-585403 has successfully completed one month (from 16<sup>th</sup> Sep to 15<sup>th</sup> Oct 2021) short term internship complete at this Branch /Company. During the period of his internship completed with us he was found punctual, hard working and inquisitive.

We wish him all success in his future endeavors.

Thanking you,

Acharya Associates

*Shankar G.*

SHANKAR. G. D.C.E  
B.C.C/B.L.(3-2-3/5-400/54-95  
ACHARYA ASSOCIATES  
No.2513, 10th Main Road, 'D' Block  
2nd Stage, Rajajinagar  
BANGALORE 560 010

*Shankar G.*

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Number: CIDC/INTERN/2021/1109



**Construction Industry Development Council**  
(Established by Planning Commission, Govt. of India)



**Engineering Council of India**

# *Certificate of Completion*

This is to certify that Mr./Ms. Chetan student of 6<sup>th</sup> Sem, Guru Nanak Dev Engineering College, Bidar, Karnataka has completed the industry oriented internship conducted from 15.09.21 to 14.10.21.

The opted course is Project Management & Project Planning.

New Delhi  
Date: 18/10/2021

Dr. P.R. Swarup  
D.G., CIDC

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2089

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that DEVARAJ bearing USN 3GN19CV406 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

DEVARAJ has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found DEVARAJ, sincere, hardworking, and result oriented.

We wish DEVARAJ all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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#1943/E, Opp Maruthi Mandir,  
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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2093

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MOHAMMED ZIYA UL HASSAN bearing USN 3GN19CV407 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

MOHAMMED ZIYA UL HASSAN has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MOHAMMED ZIYA UL HASSAN, sincere, hardworking, and result oriented.

We wish MOHAMMED ZIYA UL HASSAN all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2094

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that MOHD ASHFAQ AHMED bearing USN 3GN19CV408 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of Internship.

MOHD ASHFAQ AHMED has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found MOHD ASHFAQ AHMED, sincere, hardworking, and result oriented.

We wish MOHD ASHFAQ AHMED all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

SketchUp  
Certified User

Institute  
Medini Technologies

AUTODESK  
Training Partner

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2079  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that NAGSHETTY bearing USN 3GN19CV409 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks Industrial training & practice as part of internship.


NAGSHETTY has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found NAGSHETTY, sincere, hardworking, and result oriented.

We wish NAGSHETTY all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,

  
Mohan Kumar K  
Operations head & HR INDIA  
Medini.  
m@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2103

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that POOJA bearing USN 3GN19CV410 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

POOJA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found POOJA, sincere, hardworking, and result oriented.

We wish POOJA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2099

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that PREETI BASAVASHREE bearing USN 3GN19CV411 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

PREETI BASAVASHREE has worked on Create a 3D model for site measurement 60' x 40' with following details Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found PREETI BASAVASHREE, sincere, hardworking, and result oriented.

We wish PREETI BASAVASHREE all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2100

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that PREMA bearing USN 3GN19CV412 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

PREMA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found PREMA, sincere, hardworking, and result oriented.

We wish PREMA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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Regd 418/2006



Constructions & General Trading  
Civil & Electrical Consultant

Date: 06/10/2021

### INTERNSHIP CERTIFICATE

This is to certify Mr. SHAIK UMER FAROOQ having USN-3GN19CV413 a student of student of Final year (7 semesters) B.E. Civil Engineering from Guru Nanak Dev Engineering College, Bidar has joined our office as engineering trainee intern on 06-september-2021.

He will continue to work with us for a period of 1 month, up to 06-October-2021. He will be permitted to work towards satisfactory completion of the training requirements which he has shown to us.

He will be allowed to use the copies of drawings for purely academic purpose of his report and viva-voice, with clear understanding that he will return the drawings as and when required by us.

  
Authorized signature

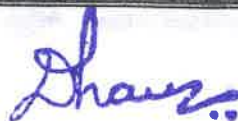


Email : badaruzzamanm@gmail.com

GSTIN : 36ABEFM3644H1Z9

Call : 81868 37447 | 78427 70804

# Flat No.306, 3rd Floor, Metro Plaza, MehdiPalnam, Hyderabad - 500028



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Guru Nanak Dev Engg. College, Bidar

## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2080

Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SHASHIKANTH bearing USN 3GN19CV414 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SHASHIKANTH has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor: parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SHASHIKANTH, sincere, hardworking, and result oriented.

We wish SHASHIKANTH all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini,  
m@medini.in



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## CERTIFICATE OF COMPLETION

Certification No.: MDS.INTERN/21-22/2107  
Date: 25th Oct 2021

### Industrial Training & practice. (Internship Certificate)

This is to certify that SUPRIYA bearing USN 3GN19CV415 studying Civil Engineering at Guru Nanak Dev College of Engineering has completed 5 weeks industrial training & practice as part of internship.

SUPRIYA has worked on Create a 3D model for site measurement 60' x 40' with following details  
Ground floor parking First and second floor duplex 3bhk house using AutoCAD & Revit architecture.

During the tenure with us we found SUPRIYA, sincere, hardworking, and result oriented.

We wish SUPRIYA all the best for his future endeavors.

Duration: 8<sup>th</sup> Sept to 7<sup>th</sup> Oct 2021

Regards,



Mohan Kumar K  
Operations Head & HR INDIA  
Medini.  
hr@medini.in



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**PRINCIPAL**  
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