



# Guru Nanak Dev Engineering College

Mailoor Road, Bidar, KA – 585403

Approved by AICTE New Delhi and Affiliated to VTU Belagavi

## Criterion 3 – Research, Innovations and Extension

### Key Indicator 3.5: Collaboration

3.5.1: Number of functional MoUs /linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

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# Guru Nanak Dev Engineering College

Mailoor Road, Bidar, KA – 585403

Approved by AICTE New Delhi and Affiliated to VTU Belagavi

## Summary

### Activity under MOU

A.Y 2019-20

Sl.No	Name of the Collaborating Agency /MOU	Activity	Academic Year
1.	Prayojana CMTI	1. Construction management training 9-06-2020 2. Opportunities in construction industry in post COVID time 02-11-2020	2019-20
2.	Shri Vithal Education and Research Institute College of Engineering , Gopalpur Pandharpur	Joint Research Publication by Faculty members	2019-20
3.	seventh Sense	soft skill training - 10-08-2019 - 19-11-2019	2019-20
4.	Aspiring Minds	Orientation session by AMCAT 21-09-2019	2019-20

**PRINCIPAL**

Guru Nanak Dev Engg. College. Bidar

## Memorandum of Understanding

### GURU NANAK DEV ENGINEERING COLLEGE



AND

### PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INSTITUTE



*Shan...*

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar





सत्यमेव जयते

INDIA NON JUDICIAL

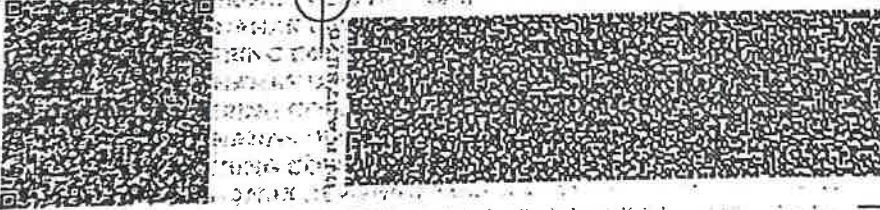
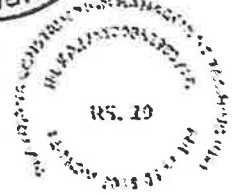
**Government of Karnataka**

Page 20

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Certificate No. : IN-KA37857005298371R  
 Certificate Issued Date : 12-Nov-2019 03:55 PM  
 Account Reference : NONACC (FI)/ kacrs1108/ JAYANAGAR7/ KA-BA  
 Unique Doc. Reference : SUBIN-KAKACRSFL0893775583986428R  
 Purchased by : PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INST  
 Description of Document : Article 37 Note or Memorandum  
 Description : MEMORANDUM OF UNDERSTANDING  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : GURUNANAK DEV ENGINEERING COLLEGE BIDAR  
 Second Party : PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INST  
 Stamp Duty Paid By : PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INST  
 Stamp Duty Amount(Rs.) : 20  
 (Twenty only)

सत्यमेव जयते



Please write or type below this line

This Memorandum of Understanding (herein after called as MOU), agreement will be made from 25.02.2020 to 25.02.2023 between

Guru Nanak Dev Engineering College, Mailur Rd, Malloor, Bidar, Karnataka 585403, herein referred to as FIRST PARTY

AND

Prayojana Construction Management Training Institute, # 197 E/5, 2<sup>nd</sup> Floor, 27<sup>th</sup> Cross, 8<sup>th</sup> Main Road, 3<sup>rd</sup> Block, Jayanagar, Bengaluru - 560011, herein referred to as SECOND PARTY

*S.G. Mah*  
 Statutory Alert:

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

the details on this Certificate and as

Now this agreement witness as follows:

1. The First Party is Guru Nanak Dev Engineering College which is a higher education technical institute, approved by AICTE, affiliated to Vishweshwaraya Technological University, Belagavi, to conduct the technical programs at the college site of [www.gndecb.ac.in](http://www.gndecb.ac.in)
2. The Second Party is Prayojana Construction Management Training Institute situated at Jayanagar, Bengaluru - 560011, affiliated to National Development Agency (NDA), promoted by Govt. of India, is into providing employment based value added certified courses for Civil Engineers & Civil Engineering students,
3. Both the parties have the common interest of training the students and making them industry ready by the time they come out of the institution. Both the parties believe that close cooperation between the two would be of major benefit to the student community to enhance their skills and knowledge.
4. The First Party shall be providing the infrastructure and other facilities to conduct seminars, workshops, training programs, demonstrations of any new equipment's etc.
5. The Second Party shall provide assistance in organizing field visits, training the students in various fields, internships, student projects and any other related programs. A nominal fee shall be collected from the first party for these activities.
6. The Second Party shall support in conducting technical seminars, workshops and conferences etc., organized by the first party on various topics related to industry requirements.
7. The Second Party shall be assisting the students for the placement, First party to provide CV's of students to the Second Party.
8. The Second Party shall help the First Party to develop the consultancy in the department of civil engineering.
9. Both the parties can use the Logo for the documentation / Certificates / Newsletters.
10. The First Party shall extend their laboratory facilities for testing of materials of Second Party at very nominal fees.
11. This agreement shall come into effect from 25.02.2020
12. The duration of this MoU shall be for period of 3 (THREE) years from the date of effect, i.e., from 25.02.2020 To 25.02.2023 If not renewed or amended in writing the same shall be considered as expired or terminated.
13. Any alteration, addition or modification in this MOU shall be in writing and signed by both the parties.
14. The Civil Engineering Department will be updated frequently on available placements for the passed out Civil Engineering Students, the information on placements to reach students at the earliest.
15. The Placements happening with through Prayojana, the offer letters will be shared to the College for records.

S. G. [Signature]

[Signature]

PRINCIPAL

Guru Nanak Dev Engg. College, Belagavi



16. Any notice, request or other communication required or permitted to be given or made under this agreement to First Party or Second Party, shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, mail with a copy by facsimile to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request.

17. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

AUTHORISED SIGNATORIES



Dr. Ravindra Eklarker

Principal

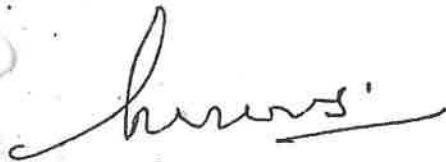
Guru Nanak Dev Engineering College  
Mailur Rd, Mailoor, Bidar - 585403



Er. S G Ashok /kumar

Executive Director

Prayojana Construction Management  
Training Institute, Jayanagar 3rd Block,  
Bengaluru - 560011



Dr. B B Kori  
Professor & HOD, Civil Engineering Department  
Guru Nanak Dev Engineering College  
Mailur Rd, Mailoor, Bidar - 585403



PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgavi  
Approved by AICTE, New Delhi

## Memorandum of Understanding

### GURU NANAK DEV ENGINEERING COLLEGE, BIDAR



AND

### CONSTRUCTION MANAGEMENT TRAINING INSTITUTE BENGALURU



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





# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belagavi  
Approved by AICTE, New Delhi

This Memorandum of Understanding (herein after called as MoU), agreement will be made from 16.06.2023 to 15.06.2028 between

Guru Nanak Dev Engineering College, Mailoor Road, Bidar, Karnataka – 585403 India here in referred to as **FIRST PARTY**

AND

Construction Management Training Institute, 4th floor, 177/1, 7th B Main Rd, Jayanagar 1st Block, Jayanagar 3rd Block, Jayanagar, Bengaluru, Karnataka 560011, herein referred to as **SECOND PARTY**

Now this agreement witness as follows;

1. The First Party is **Guru Nanak Dev Engineering College, Bidar** which is a higher education technical institute, approved by AICTE, affiliated to Visvesvaraya Technological University, Belagavi, to conduct the technical programs at the college site of <https://gndecb.ac.in/>
2. The Second Party is **Construction Management Training Institute** situated at Jayanagar, Bengaluru – 560011, is into providing employment based value added certified courses for Civil Engineers & Construction professionals for more details <https://www.cmti.co.in/>
3. Both the parties have the common interest of training the students and making them industry ready by the time they come out of the institution. Both the parties believe that close cooperation between the two would be of major benefit to the student community to enhance their skills and knowledge.
4. The First Party shall be providing the infrastructure and other facilities to conduct online trainings seminars, workshops, offline training programs, Practical Trainings
5. The Second Party shall provide assistance in organizing field visits, training the students in various fields, Internships, student projects and any other related programs related to Placements assistance. Second party intended to support with resources from Industries and project works guidance and education on Green Buildings.
6. The Second Party shall support in conducting technical seminars, workshops and conferences etc., organized by the first party on various topics related to industry requirements.
7. The Second Party shall be assisting the students for the placements / Internships / Projects / Entrepreneurship skills.
8. The Second Party shall help the First Party to develop the consultancy in the department of civil engineering.
9. Both the parties to utilize their Credentials in Marketing Materials, permitted to use in Website, posters and can conduct jointly the programme.

PRINCIPAL



# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belga  
Approved by AICTE, New Delhi

Students data to be shared, we have official e learning WhatsApp Groups for each associated college, daily construction news, job updates, project updates are posted by our Trainers and Nominations to be given by HOD for campus Ambassador programme (Free Programme, mentors will be assigned for the students)

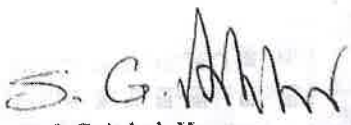
11. This agreement shall come into effect from 16.06.2023
12. The duration of this MOU shall be for period of 5 (FIVE) years from the date of effect, i.e., from 16.06.2023 to 15.06.2028 If not renewed or amended in writing the same shall be considered as expired or terminated.
13. Any alteration, addition or modification in this MOU shall be in writing and signed by both the parties.
14. First Party / Second Party can't hire the trainers from CMTI directly or CMTI can't hire the staff without the permission of Authorized Signature.
15. Any notice, request or other communication required or permitted to be given or made under this agreement to First Party or Second Party, shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, mail with a copy by facsimile to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request.
16. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.
17. Both the parties can promote each other for the Promotions in the Posters, events and in Website.
18. All the Civil Engineering students to Install CMTI – Civil Engg Connect App, Internship Self Learning programme will be provided free access to all the students.
19. College to share the Data of the students and their Interest area's to CMTI for finding search on right placements.

## AUTHORISED SIGNATORIES

  
Dr. Dhananjay M  
Principal

Guru Nanak Dev Engineering College  
Bidar – 585 403

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

  
Er. S. G. Ashok Kumar  
Founder & CEO, CMTI  
Jayanagar 3rd Block  
Bangalore - 560011

Ref. No.: GNDECB/CV/ACA/2019-20/

Date: 08/06/2020

**CIRCULAR**

All the students of 5<sup>th</sup> semester are hereby informed to attend the following training program to be conducted online mode by "Prayojana Construction Management Training Institute, Bangalore" Pvt Ltd" going to held from 9<sup>th</sup> June 2020.

Title of the training program – "Introduction to Construction Management and Opportunities"



HOD  
HOD

Department Of Civil Engineering  
GNDEC-BIDAR.



PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
**DEPARTMENT OF CIVIL ENGINEERING**

To

04/06/2020

Er. Ashok Kumar  
Executive Director  
CMTI  
Bangalore

**Sub – Seminar on Introduction to Construction Management and Opportunities**

Respected Sir,

It gives me immense pleasure to invite you as guest speaker to address our students on 'construction Management and opportunities'. Your thoughts would enable our faculties to gain knowledge from your expertise.

Kindly communicate your acceptance at the earliest. This will enable us to prepare for successful lecture. This is to be noted that this activity is within the scope of the signed MoU.

Anticipating favourable reply from your end.

Thank you

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

**HOD**  
Civil Engineering Department  
**HOD**  
Department Of Civil Engineering  
GNDEC-BIDAR.





## **GURU NANAK DEV ENGINEERING COLLEGE BIDAR**

Malloor Road, Bidar – 585403 (Karnataka)

Affiliated to Visvesvaraya Technological University, Belgaum

Approved by AICTE, New Delhi

ISO Certified Institute ISO 9001/2015



### **DEPARTMENT OF CIVIL ENGINEERING**

#### **About the Program:**

Department Of Civil Engineering Organized one day seminar on introduction to construction management and opportunities On 9<sup>th</sup> June 2019 For Civil Engineering Students And Civil Engineering Faculties.

Students of Civil Engineering Department and all the Faculties of Civil Engg Dept have participated in one day seminar organized by Department of Civil Engineering GNDEC, Bidar.

The Students took part in seminar of civil engineering department. Further Students gain the knowledge during the seminar on construction management and opportunities in the field civil engineering.

#### **The Resource person was,**

**Er.Ashok Kumar**

Executive director CMTI, Bangalore

#### **OBJECTIVES:**

- To train the students with the latest and the best in the rapidly changing fields of Construction Engineering, Technology and Management.
- To prepare the students to be industry leaders who implement the best Engineering and management practices and technologies in the construction industry.
- To continually work with industry to enhance the program's effectiveness and the opportunities for innovation in the construction industry.
- To conduct research to develop advanced technologies and management Approaches.

#### **EVENT OUTCOM**

1. On successful completion of the seminar the students will Be able to apply theoretical and practical aspects of project management techniques to achieve project goals.
2. Possess organizational and leadership capabilities for effective management of construction projects.
3. Be able to apply knowledge and skills of modern construction practices and techniques.
4. Have necessary knowledge and skills in accounting, financing, risk analysis and contracting.
5. Be capable of using relevant software packages for planning, scheduling, executing and controlling of construction projects.

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

  
**HOD (CIVIL)**  
**HOD**  
Department Of Civil Engineering  
GNDEC-BIDAR.



**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
**DEPARTMENT OF CIVIL ENGINEERING**

To

20/10/2020

Er. Natrajan  
CMTI  
Bangalore

**Sub – Opportunities in Construction Industry for Civil Engineering Professionals – Post Covid Times**

Respected Sir,

It gives me immense pleasure to invite you as guest speaker for the webinar on Opportunities in Construction Industry for Civil Engineering Professionals – Post Covid Times for our students. Your thoughts would enable our students to gain knowledge from your expertise.

Kindly communicate your acceptance at the earliest. This will enable us to prepare for successful lecture. This is to be noted that this activity is within the scope of the signed MoU.

Anticipating favourable reply from your end.

Thank you

PRINCIPAL  
Guru Nanak Dev Engg. College

HOD  
Civil Engineering Department

Department Of Civil Engineering  
GNDEC-BIDAR.



## GURU NANAK DEV ENGINEERING COLLEGE BIDAR

Mailoor Road, Bidar - 585403 (Karnataka)

Affiliated to Visvesvaraya Technological University, Belgaum

Approved by AICTE, New Delhi

ISO Certified Institute ISO 9001/2015



### Department of Civil Engineering

30/10/2020

#### Notice

The Students of final Semester are hereby informed to attend webinar on **opportunities in construction industry for civil engineering professional post covid times** by **Er.Natarajan** on 2<sup>nd</sup> nov 2020 at 12:00 noon.

**Co-ordinator**

**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar

**HOD (CIVIL)**

**HOD**

**Department Of Civil Engineering  
GNDEC-BIDAR.**





# Guru Nanak Dev Engineering College, Bidar



Affiliated to Visvesvaraya Technological University, Belagavi  
approved by AICTE New Delhi, ISO Certified Institute ISO 9001/2015

**Department of Civil Engineering**  
organizing a webinar on

## **OPPORTUNITIES IN CONSTRUCTION INDUSTRY FOR CIVIL ENGINEERING PROFESSIONALS POST COVID TIMES**

On 2th November, 2020, Monday | 12.00PM



**Resource Person**

**Er. Natarajan**  
**CMTI Bangalore**

**Prof. Sunil Kumar Birkur**  
Coordinator, Civil Dept.

**Dr. B.B. Kori**  
Prof. and Head, Civil Dept.

**Dr. Ravindra Eklarker**  
Principal, GNDEC Bidar

**Dr. B.S. Dhaliwal**  
Director.

**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**

Malloor Road, Bidar - 585403 (Karnataka)

Affiliated to Visvesvaraya Technological University, Belgaum

Approved by AICTE, New Delhi

ISO Certified Institute ISO 9001/2015



## **(Department of Civil Engineering)**

### **REPORT OF WEBINAR ON OPPORTUNITIES IN CONSTRUCTION INDUSTRY FOR CIVIL ENGINEERING PROFESSIONAL POST COVID TIMES**

A webinar session was arranged for the final year students on the topic opportunities in construction industry for civil engineering professional post covid19 times.

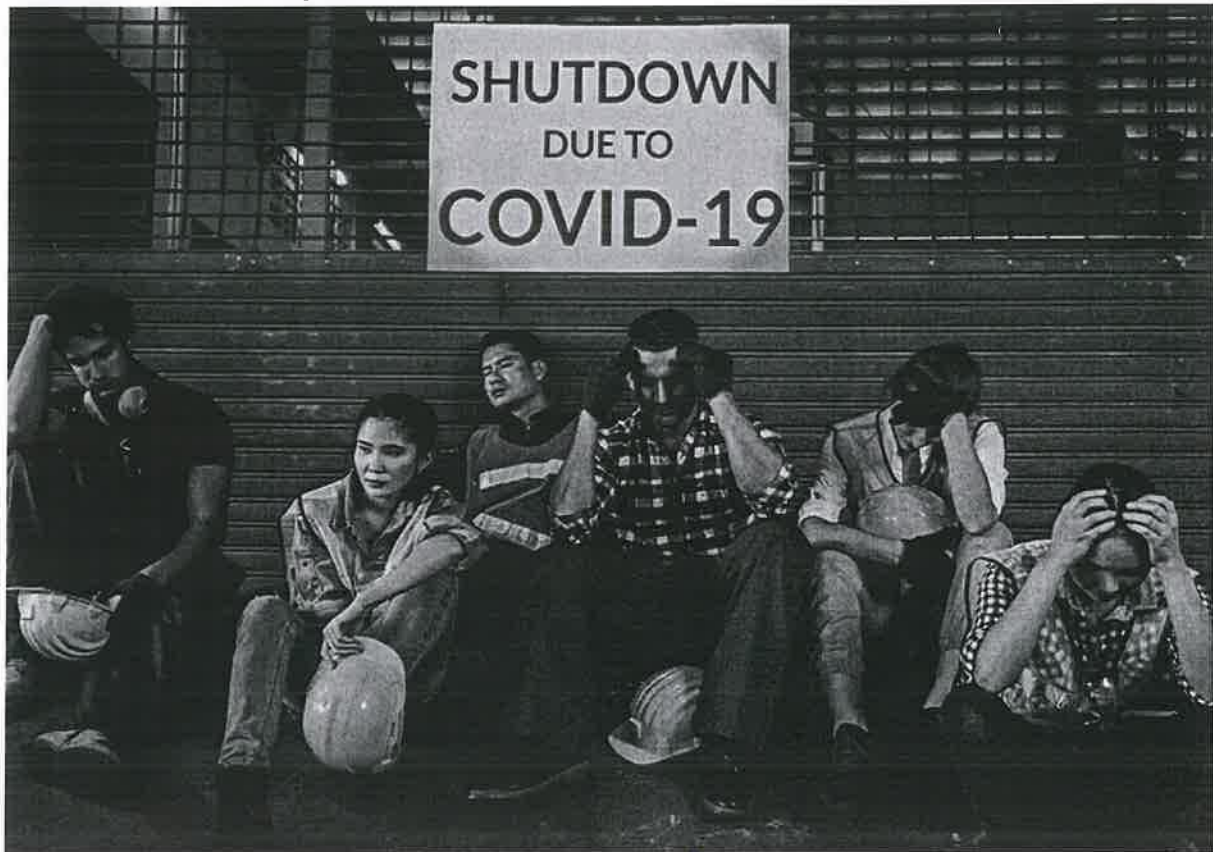
Speaker: ErNatrajan from CMTI Bangalore

Date: 02-11-2020

Time: 12pm

Coordinator: Mr. Sunil Kumar BirkurAsst prof.

Convener: Dr. Baswaraj Kori HOD civil



*Shaw...*

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Engineering and construction (E&C) companies are used to cyclical downturns, but the speed and strength with which COVID-19 has struck is unprecedented. Projects are being delayed or cancelled. Supply chains are under threat. Employee and subcontractor labour health is a concern, and there are practical challenges around social distancing on construction sites. Companies that have had to furlough workers might find the future availability and skills of those workers uncertain. And because many construction and contracting companies operate without substantial capital reserves, the impact of the lockdowns could force some to restructure debt, seek new sources of capital or risk insolvency.

It is an extraordinarily difficult time, but swift yet thoughtful action can help E&C leadership teams manage the immediate crisis, stabilise supply chains and reinforce their companies' financial position to emerge from the crisis with a more solid foundation.

"Working remotely with good digital infrastructure might be easy for designers, consultants, educators and students but more difficult for large construction site workers and network maintenance operators," says Bachar. "Hence, the first priority is to improve the digital infrastructure and communication skills, followed by offsite construction and automation."

"On a positive note and on a global scale, it is enlightening to see news stories emerge of Venetian canals running clear and nitrogen dioxide levels in China lowering," says Chris. "However the ongoing corona virus pandemic will most certainly have impacted the global Net Zero agenda and pushed it down the list of priorities. We're faced with economic uncertainty but as civil engineers we should ensure that decarbonization remains a vital agenda item. When organizations bounce back let's do so with Net Zero Carbon at the forefront."

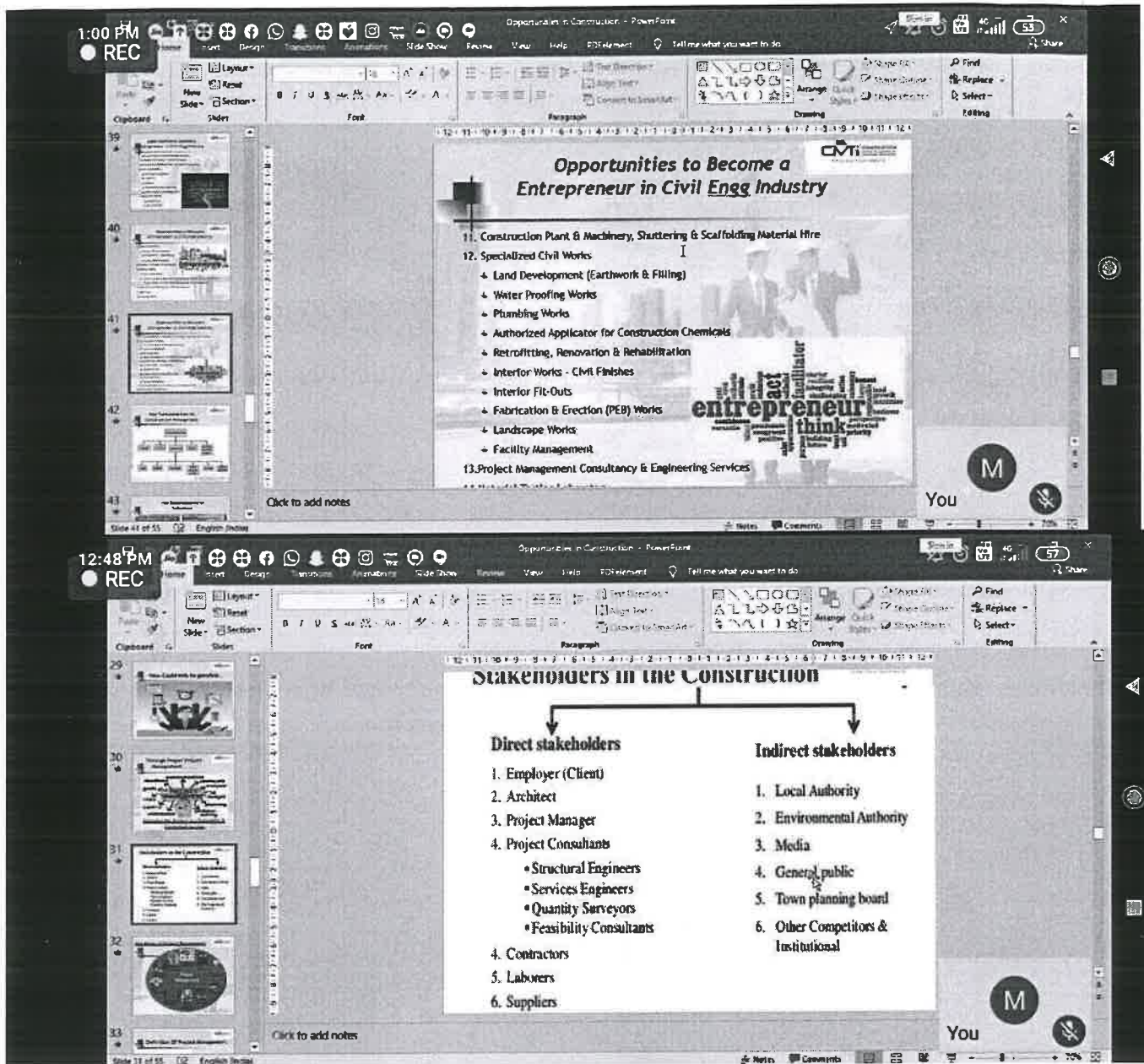
"In some projects, skilled-workers could be substituted by robotic mechanisms such as welding with robotic arms. It could increase productivity and accuracy but some might express concern as robots currently lack the power of a person's mind to make instant changes or decisions."

"Hard copies of documents and drawings could be replaced by the use of digital copies, BIM (Building Information Modeling) and VR. Not only are these methods more environmentally friendly, they are more effective and well-rounded for presentations, discussions and solution of issues.



Ali Al-Ridar





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

12:47 PM REC

Stakeholders in the Construction

```

graph TD
    Root[Stakeholders in the Construction] --> Direct[Direct stakeholders]
    Root --> Indirect[Indirect stakeholders]
    Direct --> D1[1. Employer (Client)]
    Direct --> D2[2. Architect]
    Direct --> D3[3. Project Manager]
    Direct --> D4[4. Project Consultants]
    D4 --> D4_1[• Structural Engineers]
    D4 --> D4_2[• Services Engineers]
    D4 --> D4_3[• Quantity Surveyors]
    D4 --> D4_4[• Feasibility Consultants]
    Direct --> D5[4. Contractors]
    Direct --> D6[5. Lawyers]
    Direct --> D7[6. Suppliers]
    Indirect --> I1[1. Local Authority]
    Indirect --> I2[2. Environmental Authority]
    Indirect --> I3[3. Media]
    Indirect --> I4[4. General public]
    Indirect --> I5[5. Town planning board]
    Indirect --> I6[6. Other Competitors & Institutional]
  
```

Click to add notes

You

12:30 PM REC

KRISHNA RAJA SAGAR DAM  
Karnataka

**ENGINEERING FACTS**

- ↓ Type - Gravity Dam across river Kaveri.
- ↓ Construction Period - 1911 to 1931
- ↓ Height: 130.8 feet above river bed.
- ↓ Catchment area - 10619 sq.km
- ↓ Designed by M.Visveswaraya Chief Engineer KPWD.
- ↓ Design yield 189 TMC at 50% dependability.
- ↓ Full Reservoir Level (FRL) 124.8 Feet
- ↓ Length of the Dam 8597 Feet.
- ↓ Number of Sluice Gate 152.

Click to add notes

You

*Sharma*  
PRINCIPAL  
Nanak Dev Engg. College



12:29 PM REC

Home Insert Design Transitions Animations Slide Show Review View Help Presentation Tell me what you want to do


File Edit Layout New Slide Section Paragraph Font Paragraph Drawing Find Replace Select Editing

Clipboard Slides

3 4 5 6 7

Slide 5 of 55 English (India)

## VIDHANA SOUDHA Bangalore.



### ENGINEERING FACTS

- Construction Period : 1952-1956
- Architectural style: Neo-Dra
- Architect - Kengal Hanuma
- Largest legislative building in India.
- Floor count, 4 + 1 basement. Floor area, 505,505 square feet (46,963.0 m<sup>2</sup>).
- The grand edifice has 300 rooms apart from 2 assembly chambers It measures 700Mx350M. The central dome of the building is 60 feet in diameter and is supported by 8

Click to add notes

Notes Comments

80%

REC

Home Insert Design Transitions Animations Slide Show Review View Help Presentation Tell me what you want to do

File Edit Layout New Slide Section Paragraph Font Paragraph Drawing Find Replace Select Editing

Clipboard Slides


51 52 53 54

Slide 54 of 55 English (India)

## How to acquire Special Skills?

### Where to get the desired Knowledge?

PASS THE TRUTH TO THE NEXT GENERATION...TEACH THEM EARLY WHAT WE LEARN LATE.



Through the Value Added Courses provided by the Professional training bodies.

Click to add notes

Notes Comments

70%

M  
 You  
 Nataraja...  
 Basavara...  
 Sunil Bir...

  
 PRINCIPAL  
 Gurpreet Singh, D.O.E. Engg. College, ...





# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgaavi  
Approved by AICTE, New Delhi

## MEMORANDUM OF UNDERSTANDING

BETWEEN



**Guru Nanak Dev Engineering College**  
Mailoor Road, Bidar, Karnataka-585403

And



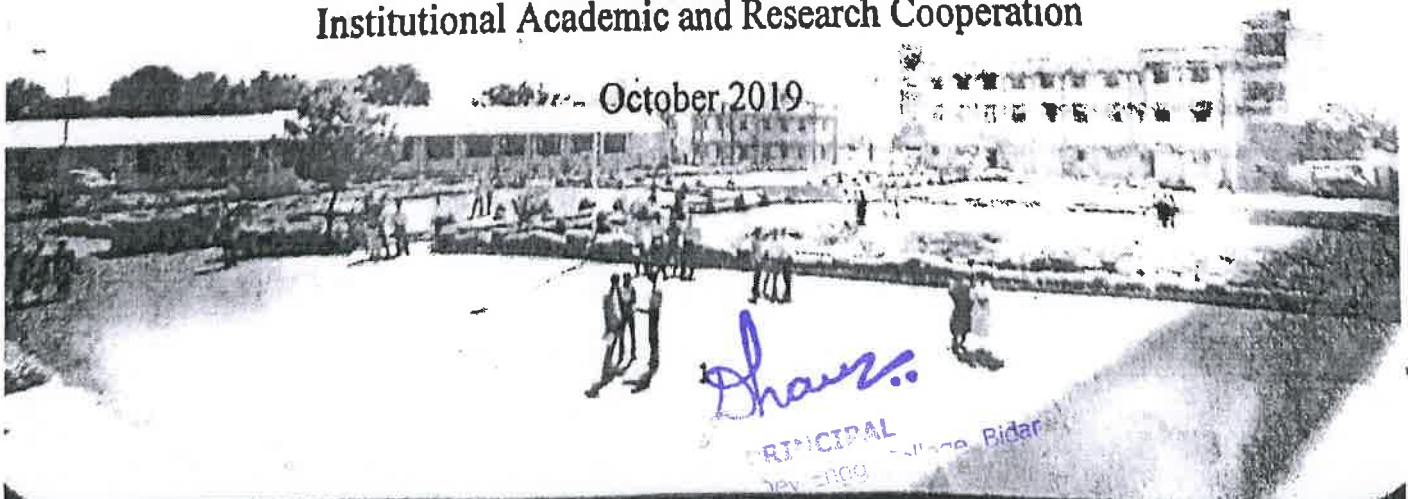
**SVERI**

**Sri Vithal Education and Research Institute's**  
**College of Engineering, Gopalpur-Ranjani Road,**  
**Gopalpur, Pandharpur-413304.**

For

**Institutional Academic and Research Cooperation**

October 2019



PRINCIPAL  
Guru Nanak Dev Engineering College, Bidar

# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgaum  
Approved by AICTE, New Delhi

such students. Both the institutes will provide all the facilities concerning the academics to the students of each other, however, provision of hostel facility will depend on availability.

- GNDEC and SVERI mutually agree to help each other to establish and develop laboratories, research centers, etc., as and when required.
- Faculty of GNDEC and SVERI depending on their qualifications and experience can act as co-guides to the students pursuing the M. Tech, and Ph.D. programs at GNDEC and SVERI as the case may be.
- Areas for staff development shall be identified and joint proposals shall be submitted to various funding organizations like MHRD, DTS, BRNS, RGSTC, AICTE, etc.
- Both the institutes will help each other in placement and industrial collaborations.

## AMENDMENTS TO THE MOU

No amendment or modification of this MOU shall be valid unless the same is made in writing by both the parties or their authorized representatives and specifically stating the same to an amendment of this agreement. The modifications/changes shall be effective from the date on which they are made / executed unless otherwise agreed to.

## ARBITRATION

In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual discussion between the Principal of GNDEC and Principal of SVERI.

Now, therefore, for and in consideration of the foregoing premises the parties have signed the Memorandum of Understanding on 10 day of October 2019.







# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgaovi  
Approved by AICTE, New Delhi.

## PREAMBLE:

The MEMORANDUM OF UNDERSTANDING (MOU) between Guru Nanak Dev Engineering College, Mailoor Road, Bidar, Karnataka-585403 and Shri Vithal Education and Research Institute's College of Engineering, Pandharpur for Academic and Research Cooperation, is signed on the 10 day of October 2019.

This MoU entered into between Guru Nanak Dev Engineering College, Mailoor Road, Bidar, Karnataka-585403 (hereafter called GNDEC) and Shri Vithal Education and Research Institute's College of Engineering, Pandharpur (hereafter called SVERI) represented in this MoU by the Principal, GNDEC and Principal, SVERI, respectively, on behalf of Board of Governors of their institutes, which shall mean and include their successors in interest and assigns.

## SCOPE AND OBJECTIVES OF MOU

The scope and objective of MoU are defined as:

GNDEC and SVERI agree for Academic and Research Cooperation between all their departments for mutual benefits to the institute.

## DURATION OF MOU

This MoU comes into effect from the date of its signing and will remain in force for a period of FIVE YEARS. Its validity can be extended by mutual agreement between both the parties.

## RESPONSIBILITIES OF GNDEC, BIDAR AND SVERI, PANDHARPUR

GNDEC and SVERI mutually agree to identify various areas of interest and depute faculty as per requirements for conducting courses or research. The inviting Institute will meet the travel expenses of the invited faculty members. Both the institutes i.e. GNDEC and SVERI will organize technical competitions, conferences, workshops, seminars, quizzes, etc. The faculty and students shall be encouraged to participate in such activities so as to interact with each other for their academic and professional growth, such programs will be conducted by both the institutions on regular basis during winter/summer vacations with information to each other in advance.

GNDEC and SVERI mutually agree to exchange students for their projects, for the exchanged students, no tuition fees will be charged by the institute accepting.





# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgavi  
Approved by AICTE, New Delhi

## PARTIES

  
Principal

Guru Nanak Dev Engineering College  
Mailoor Road, Bidar,  
Karnataka-585403

For and on Behalf of Board of Governors  
Guru Nanak Dev Engineering College,  
Bidar

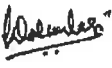
  
Principal


Shri Vithal Education and Research  
Institute's

College of Engineering, Pandharpur,  
Gopalpur-Ranjani Road,  
Pandharpur-413304

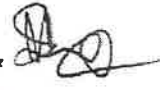
For and on Behalf of Board of  
Governors SVERI'S College of Engineering,  
Pandharpur


## WITNESS

1. Dr. Veenasdra. D.   
Dean (R&D), GNDEC B

2. Dr. Md. Bakhar   
Prof. (EC), GNDEC B  
Dated

## WITNESS

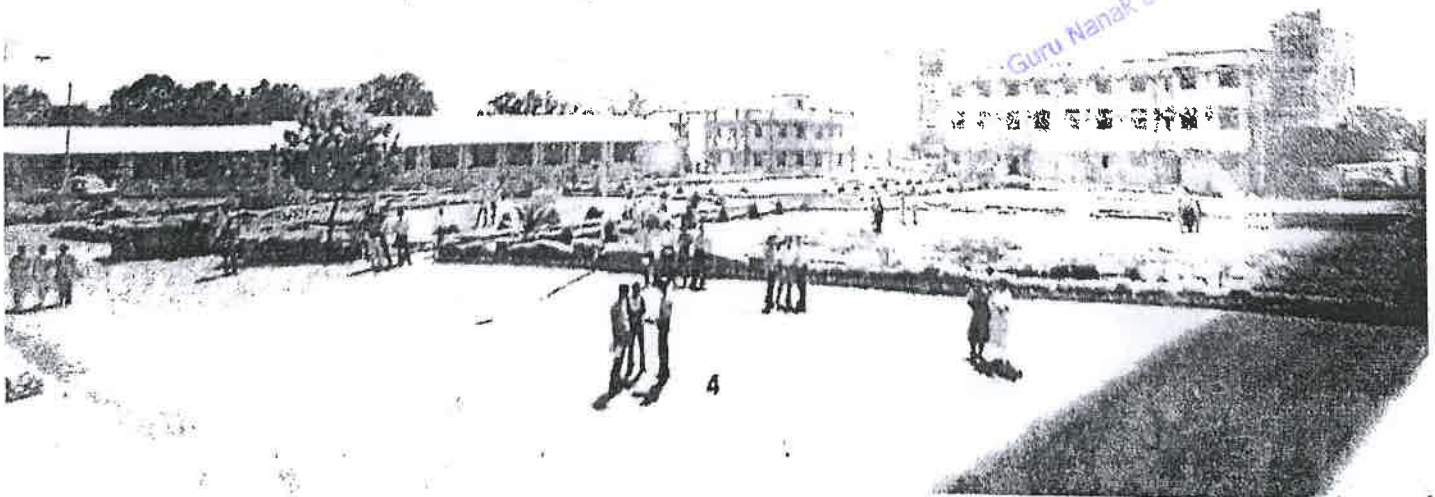
1. Mr. M. S. Mathpati   
ESTC Dept SVERICOEP

2. Dr. A. S. Vibhute   
ESTC Dept SVERICOEP

Dated



  
PRINCIPAL  
Guru Nanak Dev Engg. College,



## MEMORANDUM OF UNDERSTANDING

14

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this 23<sup>rd</sup> day of July 2020 by and between:

**National Highways Authority of India (NHA)** which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns), of the First party;

AND

The **Guru Nanak Dev Engineering College, Bidar** (hereinafter called as **Technical Institute (TI)** which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Second Party.

WHEREAS,

Both the **Technical Institute (TI)** and NHA are desirous of working together with mutual cooperation for dissemination of respective expertise in civil/highway engineering field through the road infrastructure development.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

### 1. INTENT:

National Highways Authority of India (NHA) intends to associate the **TI** who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

### 2. SCOPE OF THE MoU

The primary scope of MOU inter alia includes the following:

(i) NHA shall facilitate the faculty, researchers and students of the Institute to familiarize with the latest trends in the highway/transportation sector with a common objective of sharing the knowledge in their respective domain. This will, in one hand, facilitate to bridge the industry-institution gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHA.

(ii) The Institute shall adopt nearby stretches of NHs as specified in the **Appendix-1** as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion/addition by mutual consent of NHA and the Technical Institute.

(iii) The adopted stretch may be used as a field of study for faculty, researchers and students.

(iv) NHA shall offer internship to 15 number of undergraduate/postgraduate students of the Institute periodically and also extend monthly stipend as will be subsequently decided by NHA.

(v) All other arrangements including stay shall be responsibility of the Institute. However, depending upon availability, NHA may extend transportation facility to the interns within the project jurisdiction.

### 3. Roles and Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHA and the Technical Institute. The Roles & Responsibilities of NHA and the Technical Institute in performing the defined objective shall be as follows:

#### NHA

- a. NHA shall provide the list of potential candidate National Highway stretches for adopting by the Technical Institute;
- b. NHA shall facilitate availability of relevant data required with specific reference to the above stretches through its field office/consultant/concessionaire/contractor engaged in the



- d. NHAI shall facilitate the faculty, researchers and students of the Institute to give access to the site of the identified stretch being adopted by the Technical Institute, relevant documents for the purpose of activities to be carried by these intellectuals of the Institute;
- e. NHAI through its field office/Consultant/Concessionaire/Contractor engaged in the project, as per reasonable requirement, will disseminate and familiarize the latest trends and know how in highway/transportation sector in general and the identified project in specific to the authorized faculty, researchers and students of the Institute;
- f. NHAI may suitably adopt the research output and feedback received from the Technical Institute in practice for qualitative improvement as deemed fit at appropriate stage of implementation.
- g. NHAI may support creation of Lab infrastructure in the Institute and can sponsor relevant research project that helps in using alternative resource material and improving quality of roads.
- h. The NH stretch adopted can be co-branded with the associated technical institute by NHAI

### The Technical Institute

- a. The Institute shall adopt stretch of NHs as specified in the **Appendix-1** as a voluntary initiative.
- b. The Technical Institute through its authorized faculty, researchers and students will carry out periodic investigation and give suitable suggestions for improving the efficiency of existing highway asset inter alia covering the following aspects:
  - (i) Improvements in safety provision by removing existing deficiencies;
  - (ii) Improvements in continual maintenance of the stretch using new technologies;
  - (iii) Localized solutions for removal of congestion points thereby increasing the average speed of traffic flow;
  - (iv) Improvements in the riding comfort through cost effective measures based on innovative technologies on practices applicable in the area;
  - (v) Viability of new way side amenities for road user based on the existing traffic pattern and user expectations;
  - (vi) Potential solutions to old recurring problems based on local experience etc.
- c. The Institute may also associate with the Consultants/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resource potential for better socio economic outcome
- d. The Technical Institute will nominate a coordinator as a point of contact for all correspondence in carrying out the defined objective as well as inform, from time to time.

### 4. **EFFECTIVE DATE AND PERIOD OF MOU**

This MoU shall come into effect for all its intents and purposes from the immediate effect and shall remain valid for a period of 5 years from the date of signing unless terminated earlier by mutual consent by either party by giving 60 days' notice in writing to the other party.

**For the Technical Institute**

(Authorised Signatory)

Witness:



**For NHAI**

Project Director  
NHAI-PIU-Gulbarga  
(Karnataka)

(Authorised Signatory)

Witness: Mehboob




## APPENDIX-1

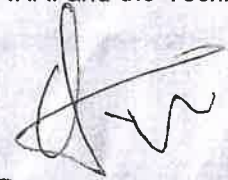
The Institute shall adopt the following stretch(es) of NHs as a voluntary initiative under the ambit of Institutional Social Responsibility (ISR).

S.No	Details of the stretch (From Chainage to Chainage)	NH No	Length	Stage of implementation (completed/under construction/under maintenance/project preparation)	Remarks
1	Four Laning of MH-KNT Border-Sangareddy from KM.348.800 to KM.493.000 in the State of Karnataka and Telangan of NH-09 (New NH-65) under NHDP- III on DBFOT Basis in BOT (TOLL) Model	65 (Old NH-09)	145km	Completed/under maintenance	

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.



  
**PRINCIPAL**  
Guru Nanak Dev Engg. College  
BIDAR



Project Director  
NHAI-PIU-Gulbarga  
(Kalaburagi) Karnataka



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

## Design and Analysis of Sierpinski Fractal Antenna Array for Wireless Applications

Mahesh. S. Mathpati<sup>1\*</sup>, Mohammed Bakhar<sup>2</sup>, Veerendra Dakulagi<sup>2</sup>,

<sup>1</sup>Research Scholar, GNDEC, Bidar and Asst. Prof, Electronics & Telecommunication Dept., SVETRI's College of Engg., Pandharpur, India.

<sup>2</sup>Department of E&CE, Guru Nanak Dev Engineering College, Bidar, India

\* mahesh.mathpati@gmail.com

### Abstract

The growing demand of customers requires reduced size, low profile, multiband and conformal antenna for wireless communication. In this paper, I have presented the Sierpinski fractal antenna array techniques at a different level of iteration. The proposed antenna resonates at multiple operating frequencies, to give broader bandwidth. The simulation of the antenna was done using CAD FEKO software and tested using VNA. The presentation of different level of iterations of antenna shape has been studied in terms of parameters like Bandwidth, Return Loss, VSWR and Radiation Pattern. Compared simulated and the experimental results which are good in agreement. The proposed antenna is suitable for the bandwidth enhancement like 100MHz, 1220MHz, and 2450MHz respectively at resonant frequencies 2.05GHz, 3.68GHz, and 7.85GHz. Designed antenna is suitable for FM radio broadcasting, GPS system, RFID, and fixed microwave applications.

**Keywords:** Bandwidth Sierpinski structure, VNA, fractal antenna array, GPS, RFID

### 1. Introduction

Now a day's wireless communication system (GSM, UMTS, ZigBee) requires a compact antenna which is capable of operating at different bands. Fractal geometry antennas have been studied to answer those requirements [1]. The goal of this work is to research, analyze, and to implement the design of an antenna with the properties of fractal geometry which results in an antenna that resonates at multiple frequencies.

The fractal concept is used as a size reduction technique for different types of antennas such as dipoles, loops, patches, and so on leading to the development of fractal antenna [2]. Studies in this area establish that using fractal structure radiation pattern is much better as compared to the conventional antennas. Usually, a single antenna could work at a single frequency only means multi-band operation could be achieved by using multiple antennas only. Nowadays, to achieve multiband performance a fractal antenna structure is used because of its self-similar structure at different scales [3,4].

The proposed work aims to design a Sierpinski fractal antenna array to give the wide-band and frequency independent behaviour. Physical size of the antenna decides the radiation pattern, which is related to the wavelength of operating frequency. The geometry used in this proposed work is carpet structure or rectangular, which provides the multiband behaviour with improved bandwidth of the antenna. The dimensions of the antenna like, width (W), length (L), substrate dielectric constant are calculated and parameters such as reflection coefficient, VSWR and bandwidth have been studied by simulating the proposed



# Comparative Analysis and Simulation of Koch and Sierpinski Fractal Antenna for Ultra wideband Applications

Mahesh Mathpati<sup>1</sup>, Mohammed Bakhar<sup>2</sup>, Veerendra D<sup>3</sup>, H K Bhaldar<sup>4</sup>, A Ajadhav<sup>5</sup>

<sup>1,4,5</sup> Dept. E&TC, SVERI's College of Engineering, Pandharpur, India

<sup>2,3</sup> Dept. of E&CE, Guru Nanak Dev Engineering College, Bidar-585403, Karnataka.

**Abstract-** In this paper sierpinski and Koch fractal structures has been designed to obtain multiband characteristics in ultra wideband which is having operating range of 3.1 -10.6 GHz as per the standards of FCC(Federal communication commission).The proposed antenna consists of FR4 substrate material having dielectric constant  $\epsilon_r = 4.4$  and height  $h=1.6\text{mm}$ . The dimension of the antenna is  $21.45\text{mm} \times 17.89\text{mm}$ . The antenna structure was simulated using CADFEKO 14.0 software. The antenna simulation parameters such as reflection coefficient, gain and VSWR are simulated and presented. Comparison of sierpinski fractal iterations with Koch fractal iterations are presented , the second iteration of sierpinski fractal structure gives the dual bands 3.78GHz and 6.88GHz with lowest reflection coefficients -17.41dB,-24.40dB and bandwidths are 450 MHz and 581MHz which satisfies the ultra wideband characteristics.

**Keywords-** Koch, Sierpinski, Fractal antenna, Ultra wideband, CADEFEKO 14.0.

## 1. Introduction:

The need for miniaturized antenna is ever growing in view of the advancements in wireless communication technology. The conventional microstrip antennas take any shape like square, rectangular, triangle and so on. They provide normally single resonance frequency with high quality factor because of narrow bandwidth. However, the fractal antennas are able to provide either multi-band resonances or broad bandwidth because of the self-similar and space-filling properties. The fractal antennas are different from traditional antennas because it is capable of operating at many different frequencies at a time. The key advantages of fractal antennas are reduced antenna size, support multiband and wideband operation with improved antenna performance. Sierpinski fractal antenna for off-body communication is presented in proposed work. The realized prototype is designed for operation in the 868MHz and 915MHz Industrial Scientific Medical bands[1]. A small isosceles triangle is cut off from center of each side of the initial isosceles triangle, then the procedure iterates along the sides like Koch curve does, forming the Koch-like fractal bow-tie geometry[2]. Circle and square slot fractal technique is adopted to improve radiation characteristics of the

antenna. The impedance bandwidth of the proposed fractal antenna is 9.4 GHz ranging from 3.2GHz to 12.6 GHz with maximum gain of 6.2dB and efficiency of 98.66% [3]. Fractal antenna engineering represents a relatively new field of research that combines the attributes of fractal geometry with antenna theory and the attributes of fractal antenna geometries, applications and advantages of fractals have been discussed[4].Current regulations and standards for wireless medical applications within the ITU-R, Canada, and some other countries required for medical implant communications systems, medical telemetry systems, ultra-wideband (UWB) medical radar imaging, the use of various communication networks for telehealth, and the emerging body area sensor networks and also data rate and spectrum requirements for some medical applications, and the harmonization of regulations and standards for current and emerging wireless medical devices and networks[5].Fractal antenna engineering represents a relatively new field of research that combines the attributes of fractal geometry with antenna theory.

*(Signature)*

PRINCIPAL

Guru Nanak Dev Engg. College Bidar



**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding made and entered on 21<sup>st</sup> August, 2019, between

**Seventh Sense People Development Solutions Pvt Ltd, Bengaluru.**

**AND**

**Guru Nanak Dev Engineering College,  
Bidar.**

**Whereas**

**Seventh Sense People Development Solutions Pvt Ltd** is engaged in the business of providing Campus Recruitment Training Program along with Placement Assistance - First Party

**Guru Nanak Dev Engineering College, Bidar** is engaged in providing education to the students in the capacity of an educational institution - Second Party

**Seventh Sense People Development Solutions Pvt Ltd and Guru Nanak Dev Engineering College, Bidar** have decided to work together for mutual benefit with respective expertise in their fields, in providing training to the students of the college. Both the parties intended to record the terms and conditions of the Memorandum of Understanding in writing.

**Now this Memorandum of Understanding witnessed that** In consideration of the mutual covenant contained herein, the parties have agreed as follows:

**Period of Memorandum of Understanding:**

This Memorandum of Understanding is valid for a period of 24 months from the date it is signed by authorized representatives from both the parties. The terms and conditions remain same for 2019-20 batch students of the college.

**Statement of mutual intention:**

First Party and Second Party hereby confirm their mutual intention to work together and co-operate with each other

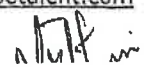
- The professional fee is Rs. 1,000 inclusive of GST per student for the final year engineering students of Guru Nanak Dev Engineering College for the entire Training Program. The expected strength of the students will be 350 and the actual numbers will be confirmed before the commencement of the program. This number will be considered for invoice purposes by the First Party and will have to be paid by the Second Party.
- The full professional fees for the training should be paid as and when the training completes (within 10 days).
- Accommodation and Food for the trainers will be ensured by th

Seventh Sense People Development Solutions Private Lim...

#56, 2<sup>nd</sup> and 3<sup>rd</sup> Floor, 24<sup>th</sup> main, 3<sup>rd</sup> Cross, JP Nagar Phase 2, Bangalore - 78 Ph: 080 - 4174 4141

CIN: U80221KA2010PTC056150 [www.seventhsensetalent.com](http://www.seventhsensetalent.com) [info@seventhsensetalent.com](mailto:info@seventhsensetalent.com)

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



- First Party would assist the Second Party in the following aspects:
  - Training Assistance of 36 hours training for final year engineering students.
  - 15+ Online Assessments for Final Year Students (Second party need not assist in conducting the tests).
  - Apart from regular class work and material, students also get take **home material which would run into 100's of pages on each branch** in the form of concepts refresher, exercises and full length company pattern tests.
  - **Detailed Pre & Post Assessment reports** of each student will be sent to college to track students' performance.
  - Providing necessary online support to the Second Party for the correct display of results and performance of its students for every assessment conducted.
- Prior information should be given by the second party to the first party in the event of any classes being called off (At least a day in advance), else those hours will be considered for billing.
- The duration of the Training Program will be 6 hours per day per batch of students.

In witness whereof the parties hereto have hereunto set their hands and seals the day and year first above - written

**FIRST PARTY**

**Seventh Sense People  
Development Solutions  
Private Limited**

*Nithin Kumar*  
21/08/2019

Name: Nithin Kumar S P  
Designation: Assistant Manager - Karnataka  
Date: 21<sup>st</sup> August 2019

**SECOND PARTY**

**Guru Nanak Dev Engineering  
College, Bidar**

*Rh.*  
21/8/19

Name: Dr. Ravindra Eklarker  
Designation: Principal, GNDEC.  
Date: 21<sup>st</sup> August 2019

*Shau.*  
PRINCIPAL

Guru Nanak Dev Engg. College Bidar

**A**  
**Report on**  
**“SOFT SKILLS”**  
**Organized by**  
**TRAINING AND PLACEMENT CELL**

**Title- Soft Skills**

**Event Type: Offline**

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



### Objective of Program:

- By the end of the soft skills training program, the students should be able to:
- Develop effective communication skills (spoken and written).
- Develop effective presentation skills.
- Conduct effective business correspondence and prepare business reports which produce results.
- Become self-confident individuals by mastering inter-personal skills, team management skills, and leadership skills.
- Develop all-round personalities with a mature outlook to function effectively in different circumstances.
- Develop broad career plans, evaluate the employment market, identify the organizations to get good placement, match the job requirements and skill sets.
- Take part effectively in various selection procedures adopted by the recruiters.

### Details of Program:

Training and Placement Cell of the College, organized soft skills training program in association with. Seventh Sense Talent Solution Bangalore Following topics covered during the soft skills program.

Here are the topics and the commercial below:-

<b>Probability</b>
<b>Tenses</b>
<b>Para Jumbles</b>
<b>Cloze Passage</b>
<b>Technical</b>
<b>Logarithms+ Numbers</b>
<b>Geometry</b>
<b>Vocabulary+ Phrasal Verbs</b>
<b>Mensurations</b>
<b>Technical</b>
<b>Permutation Combination</b>
<b>Technical</b>
<b>Time and work</b>
<b>Technical</b>

  
PRINCIPAL  
Guru Nanak Dev Engg  
College

**Sentence Correction**

**Technical**

**Progressions**

**Technical**

**Time Speed and Distance**

**Technical**

**Simple Interest**

**Technical**

**Compound Interest**

**Technical**

**Technical**

**Technical**

**Equations**

**Technical**

**Profit and Loss**

**Technical**

**Percentages**

**Technical**

**Prepositions+ Vocabulary**

**Technical**

**Forms of voice and Speech**

**Technical**

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

All the students of final year attended the program.

**Program Outcome:**

**Resilience** – learning to keep going when things don't go according to plan, coping with the unfamiliar, managing disappointment and dealing with conflict

**Teamwork** – learning to connect and work with others to achieve a set task

**Leadership** – assessing the requirements of a task, identifying the strengths within the team, utilising the diverse skills of the group to achieve the set objective, awareness of risk/safety

**Communication** – demonstrating clear briefing and listening skills, not being afraid to ask for help and support when necessary

**Emotional maturity and emotional health** – learning to handle emotions including tolerance and behavioural responses, building positive friendships and bonding with peers and classmates, learning to show understanding and to demonstrate respect for the opinions, personal space and beliefs of others

**Confidence and enthusiasm for learning** – developing self-motivation, raised aspirations and belief in one's own abilities, defining and committing to achieving one's goals

*Shan*

Guru N:-





# Guru Nanak Dev Engineering College, Bidar

Affiliated to Visvesvaraya Technological University, Belgaavi  
Approved by AICTE, New Delhi

17 ✓

TO,

Aspiring Minds

CORPORATE OFFICE: 323, UDYOG VIHAR, PHASE - 2  
GURGAON, HARYANA 122012

**SUB: WORK ORDER FOR AVAILING THE PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM FROM ASPIRINGMINDS FOR STUDENTS OF GURU NANAK DEV ENGINEERING COLLEGE**

This WORK ORDER is made and placed at Bidar on the .... day of August, 2019

BY

**A) M/s Guru Nanak Dev Engineering College**

Mailoor Road, Bidar, KA-585403, herein after referred to as the "Institute" which expression shall mean and include its heirs, legal representatives, executors, successors-in-interest, administrators and assignees etc of the One Part.

TO

**B) M/s Aspiring Minds**

Corporate & registered at 323, Udyog Vihar, Phase - 2 Gurgaon, Haryana 122012 here in after referred to as "ASPIRINGMINDS" which expression shall mean and include its heirs, legal representatives, executors, successors-in-interest, administrators and assignees etc, of the Other Part.

WITH REFERENCE TO THE ABOVE, THE INSTITUTE IS PLEASED TO PLACE THIS WORK ORDER ON ASPIRING MINDS FOR AVAILING THE PROFESSIONAL SERVICES AS DETAILED BELOW WITH FOLLOWING SCOPE OF WORK AND COMMERCIAL TERMS & CONDITIONS:

**As proposed, ASPIRINGMINDS will conduct PRE-EMPLOYMENT SKILLS ASSESSMENT PROGRAM for B Tech students passing out in 2020, 2021 and 2022**

## **SCOPE OF WORK**

The scope of this Work Order is **valid for all batches of B Tech students in the institute** and will cover the following program conducted by ASPIRINGMINDS:

### **PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM**

*Shaw*  
PRINCIPAL

#### **1. The objectives of the PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM will be to:**

- Determine Employment Potential of the candidate related to HR & Generic skill area
- Benchmark the candidate in terms of Industry specific recruitment standards
- Provide Psychometric-based behavioral attributes profiling and mapping
- Expose the candidate to a real life complete recruitment process used by companies in terms of fresher or campus recruitment.

## FINANCIALS

8. The Institute shall conduct the pre-employment skill assessment program in following fashion -

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance
2020	B.Tech	2019 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1	325	INR 1100 + GST	100% Applicable
		2019 Aug	4th year (7th Sem)	Preparedness Tools (3) *			
		2019 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2			

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance	Balance
2021	B.Tech	2019 Aug	3rd year (5th Sem)	AMCAT + Automata FIX	325	INR 1600 + GST	50% Applicable	50% before Aug 2020
		2019 Aug	3rd year (5th Sem)	WriteX + SVAR				
		2020 Feb	3rd year (6th Sem)	AMCAT + Automata FIX				
		2020 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1				
		2020 Aug	4th year (7th Sem)	Preparedness Tools (3) *				
		2020 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2				

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance	Balance
2022	B.Tech	2019 Aug	2nd year (3rd Sem)	Basic AMCAT + Automata FIX	325	INR 2100 + GST	34% Applicable	33% before Aug 2020
		2020 Feb	2nd year (4th Sem)	Basic AMCAT + Automata FIX				
		2020 Aug	3rd year (5th Sem)	AMCAT + Automata FIX				
		2020 Aug	3rd year (5th Sem)	WriteX + SVAR				
		2021 Feb	3rd year (6th Sem)	AMCAT + Automata FIX				33% before Aug 2021
		2021 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1				
		2021 Aug	4th year (7th Sem)	Preparedness Tools (3) *				
		2021 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2				

- Basic AMCAT is easier version of assessment test
- Automata L1 is Automata Level 1
- Automata L2 is Automata Level 2
- Preparedness Tools (3) are WriteX, SVAR & Mock-AI.
- Resume Buddy will be charged separately for INR 50,000 + GST for all the participating candidates. 100% advance will be applicable. Candidates will utilize this product during their respective final year.

Additional students taking the pre-employment skill assessment program would be charged the amount as mentioned under Financial section.

10. The Institute shall pay 100% of the total value of the work order within 15 days of first assessment.

11. All students shall be provided with an opportunity to take assessments as mentioned in the plan. The re-assessment program can be conducted only after a minimum 50 days from the date of previous test and before the completion of the academic year.

12. The institute shall not be charged any other fee apart from the pre-employment skill assessment program fee agreed upon. Hence all transportation cost for Aspiring Minds Testing Team, event management cost or any other operational cost will not be levied to the Institute.

13. The Assessment Program as per the calendar mentioned above shall be conducted in an organized way to enhance the effectiveness of the whole program.

Aspiring Minds Assessment Pvt.Ltd  
323 Udyog Vihar  
Phase 2, Gurgaon  
Haryana



PRINCIPAL  
Guru Nanak Dev Engg. College Bidar

  
Guru Nanak Dev Engineering College  
Mailloor Road,  
Bidar,  
Karnataka

## 2. Analytics:

Students will get:

- **Feedback & Diagnostic Report:** - Every assessed student will get a feedback report reflecting his/her performance in AMCAT. The report will highlight their strengths and employability across various sectors.
- **AMPI Report:** - Aspiring Minds Personality Inventory is based on FFM: Five Factor Model. FFM is the widely accepted model for personality assessment.
- **Preparedness Tools Reports:** - Detailed reports on Oral English communication ability, Written English Communication Ability will be provided via tools of SVAR and WriteX. Performance during an interview will be gauged by AI based tool Mock-AI. Students will get subscription for Resume Buddy Tool in order to create crisp and professional Resume via Resume Buddy Tool.

Management will get:

- **Campus Performance Report:** - Aspiring Minds has prepared a unique report for Management that gives an in-depth analysis of the college performance based on the test. The report is highly useful for the management as a tool to further improve the educational system through the results shared in the report.
- **Comparative analysis Report:** - Improvement after each assessment will be gauged and compared with previous assessment and will be presented to the campus

## PLACEMENT (CAMPUS) SUPPORT INITIATIVE

3. ASPIRINGMINDS works towards bridging the gap between India Inc. and fresh Indian talent by providing a **NEUTRAL & PROFESSIONAL PLATFORM** to both the corporate & the institutes (fresh candidates).

4. Apart from the PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM, as **a special value added support**, ASPIRINGMINDS will also undertake **PLACEMENT (CAMPUS) SUPPORT INITIATIVE** for the final year students for the next three years.

5. **The PLACEMENT (CAMPUS) SUPPORT INITIATIVE** will be a joint initiative of ASPIRINGMINDS & the INSTITUTE with the final objective / aim at bridging the gap between potential employer's intake requirements (across India & abroad) and the fresh talent pool passing out of the institute.

6. Aspiring Minds will be sharing the database of AMCAT assessed students with its client list. Students shortlisted by the clients for internships/final recruitment may be interviewed through multiple modes like joint campus drives, telephonic interviews, and interviews at central locations, company office or any other means decided by the company.

7. We agree to the fact that the **PLACEMENT (CAMPUS) SUPPORT INITIATIVE** will only be applicable for all the students who will be attending & completing the pre-employment skill assessment program as mentioned in the schedule below and who will be in their final engineering year

  
PRINCIPAL  
Guru Nanak Dev Engg. College Bidar





TO,  
Aspiring Minds  
CORPORATE OFFICE: 323, UDYOG VIHAR, PHASE - 2  
GURGAON, HARYANA 122012

**SUB: WORK ORDER FOR AVAILING THE PRE-EMPLOYMENT SKILL ASSESSMENT  
PROGRAM FROM ASPIRINGMINDS FOR STUDENTS OF GURU NANAK DEV ENGINEERING COLLEGE**

This WORK ORDER is made and placed at Bidar on the .... day of August, 2019

BY

A) M/s Guru Nanak Dev Engineering College  
Malloor Road, Bidar, KA-585403, herein after referred to as the "Institute" which expression shall mean and include its heirs, legal representatives, executors, successors-in-interest, administrators and assignees etc of the One Part.

TO

B) M/s Aspiring Minds  
Corporate & registered at 323, Udyog Vihar, Phase - 2 Gurgaon, Haryana 122012 here in after referred to as "ASPIRINGMINDS" which expression shall mean and include its heirs, legal representatives, executors, successors-in-interest, administrators and assignees etc, of the Other Part.

WITH REFERENCE TO THE ABOVE, THE INSTITUTE IS PLEASED TO PLACE THIS WORK ORDER ON ASPIRING MINDS FOR AVAILING THE PROFESSIONAL SERVICES AS DETAILED BELOW WITH FOLLOWING SCOPE OF WORK AND COMMERCIAL TERMS & CONDITIONS:

As proposed, ASPIRINGMINDS will conduct PRE-EMPLOYMENT SKILLS ASSESSMENT PROGRAM for B Tech students passing out in 2020, 2021 and 2022

**SCOPE OF WORK**

The scope of this Work Order is valid for all batches of B Tech students in the institute and will cover the following program conducted by ASPIRINGMINDS:

**PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM**

**1. The objectives of the PRE-EMPLOYMENT SKILL ASSESSMENT PROGRAM will be to:**

- Determine Employment Potential of the candidate related to HR & Generic skill area
- Benchmark the candidate In terms of Industry specific recruitment standards
- Provide Psychometric-based behavioral attributes profiling and mapping
- Expose the candidate to a real life complete recruitment process used by companies in terms of fresher or campus recruitment.

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar

## FINANCIALS

8. The Institute shall conduct the pre-employment skill assessment program in following fashion -

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance
2020	B.Tech	2019 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1	325	INR 1100 + GST	100% Applicable
		2019 Aug	4th year (7th Sem)	Preparedness Tools (3) *			
		2019 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2			

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance	Balance
2021	B.Tech	2019 Aug	3rd year (5th Sem)	AMCAT + Automata FIX	325	INR 1600 + GST	50% Applicable	50% before Aug 2020
		2019 Aug	3rd year (5th Sem)	WriteX + SVAR				
		2020 Feb	3rd year (6th Sem)	AMCAT + Automata FIX				
		2020 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1				
		2020 Aug	4th year (7th Sem)	Preparedness Tools (3) *				
		2020 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2				

Batch	Course	Schedule	Study year	Products	Min. Count	Price	Advance	Balance
2022	B.Tech	2019 Aug	2nd year (3rd Sem)	Basic AMCAT + Automata FIX	325	INR 2100 + GST	34% Applicable	33% before Aug 2020
		2020 Feb	2nd year (4th Sem)	Basic AMCAT + Automata FIX				
		2020 Aug	3rd year (5th Sem)	AMCAT + Automata FIX				
		2020 Aug	3rd year (5th Sem)	WriteX + SVAR				
		2021 Feb	3rd year (6th Sem)	AMCAT + Automata FIX				33% before Aug 2021
		2021 Aug	4th year (7th Sem)	AMCAT + Automata FIX + Automata L1				
		2021 Aug	4th year (7th Sem)	Preparedness Tools (3) *				
		2021 Oct	4th year (7th Sem)	AMCAT + Automata FIX + Automata L2				

- Basic AMCAT is easier version of assessment test
- Automata L1 is Automata Level 1
- Automata L2 is Automata Level 2
- Preparedness Tools (3) are WriteX, SVAR & Mock-AI.
- Resume Buddy will be charged separately for INR 50,000 + GST for all the participating candidates. 100% advance will be applicable. Candidates will utilize this product during their respective final year.

Additional students taking the pre-employment skill assessment program would be charged the amount as mentioned under Financial section.

10. The Institute shall pay 100% of the total value of the work order within 15 days of first assessment.

11. All students shall be provided with an opportunity to take assessments as mentioned in the plan. The re-assessment program can be conducted only after a minimum 50 days from the date of previous test and before the completion of the academic year.

12. The institute shall not be charged any other fee apart from the pre-employment skill assessment program fee agreed upon. Hence all transportation cost for Aspiring Minds Testing Team, event management cost or any other operational cost will not be levied to the Institute.


13. The Assessment Program as per the calendar mentioned above shall be conducted in an organized way to enhance the effectiveness of the whole program.



**Aspiring Minds Assessment Pvt.Ltd**  
323 Udyog Vihar  
Phase 2, Gurgaon  
Haryana



**Guru Nanak Dev Engineering College**  
Mailoor Road,  
Bidar,  
Karnataka

  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



A session by Sausik Regional Manager AMCAT ,Bangalore on Aspiring minds of AMCAT on 9/4/18 for Pre final year student. 17

Department of Computer science and Engineering has organized a session on "Aspiring minds of AMCAT". This Session was organised by "Prof Rajshekar Gaithond , CSE Dept , "Prof.Ramesh Patil(HOD, CSE Dept) for Final year student.



Sausik Regional Manager interacting with students of sixth semester .

This session benefited the student in knowing about

1. What is AMCAT?
2. What makes us to get inspired to know about AMCAT.
3. Advantage of AMCAT.
4. What outcomes after knowing about AMCAT?
5. Lively interaction with trainer made student to feel much about AMCAT.

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







# GURU NANAK DEV ENGINEERING COLLEGE

## Student Monthly Attendance Report

09-Apr-2018 To 09-Apr-2018 | Under Graduate | Computer Science and Engineering | 2017-2018 |  
Computer Science and Engineering | 6 Semester | A | 6001 - RAJSHEKAR GAITHOND | 15CS64 -  
OPERATING SYSTEM

For the Month: April 2018

Roll No.	Name	9 10/20	P	%
3GN14CS054	RACHANA rachana	x	0	0
3GN14CS074	SANGEETA	✓	1	100
3GN14CS085	SIDDIQUI SAYMA	✓	1	100
3GN15CS001	ADITYA DIXIT	✓	1	100
3GN15CS003	AISHWARYA	✓	1	100
3GN15CS006	ALIYA FARHEEN	✓	1	100
3GN15CS010	ANKITA	✓	1	100
3GN15CS013	AYESHA MAZHER	✓	1	100
3GN15CS015	AYESHA TAHREEM	✓	1	100
3GN15CS017	BETTAD SOUMYA	✓	1	100
3GN15CS020	BHANUPRIYA	✓	1	100
3GN15CS024	CHANDRAKALA KALBURKE	✓	1	100
3GN15CS026	DINESH	✓	1	100
3GN15CS027	GEETABAI MORE	x	0	0
3GN15CS029	HARSHARANI	✓	1	100
3GN15CS030	HARSHITA	✓	1	100
3GN15CS032	IFRAH YAMEEN	✓	1	100
3GN15CS033	JOSHUA	✓	1	100
3GN15CS034	KAJAL HALMANDGE	✓	1	100
3GN15CS035	KEERTI POL	✓	1	100
3GN15CS036	KIRTI PATIL	✓	1	100
3GN15CS037	KULSUM KASHIFA	✓	1	100
3GN15CS038	LAVANYA	✓	1	100
3GN15CS039	LEKITHA K BAJAJ	✓	1	100
3GN15CS041	MAYURI ADEPPA	✓	1	100
3GN15CS045	MEGHA	✓	1	100
3GN15CS046	MONIKA REDDY	✓	1	100
3GN15CS047	NADA KHIZAR HASHMI	✓	1	100
3GN15CS048	NAGMANI MADNURE	x	0	0
3GN15CS050	NIDA TAHREEM	✓	1	100
3GN15CS054	NISHA MULGE	✓	1	100
3GN15CS059	PANDURANG DAWARGAVE	✓	1	100
3GN15CS060	PATERSON SUNDER	✓	1	100
3GN15CS064	POOJA	✓	1	100
3GN16CS401	DURGA NARWATE	✓	1	100
3GN16CS402	MD.TAJAMMUL. SHAIK	✓	1	100
3GN16CS403	PUSHPA PUSHPA	✓	1	100
3GN16CS406	VARUN BAPPANNA	✓	1	100

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